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
idential 5.			
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	<del>336.52</del>	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	<del>2,510</del>	House
Energy Code Compliant New Home (2012-2013)	Energy Star Homes - Gas Heating	<del>1,054</del>	House
Unweatherized Home	Weatherized Home	891.41	each
Unweatherized Attic (R<10)	Weatherized Attic (Additional R>10)	0.51	Savings/sqf
Unweatherized Wall (R<5)	Weatherized Wall (Additional R>10)	1.83	Savings/sqf
Unweatherized Floor (R<5)	Weatherized Floor (Additional R>10)	1.83	Savings/sqf
Lighting			
Retail Purchase - Standard Incandescent	Retail Purchase - Standard CFL	<del>21.62</del>	Bulk
Retail Purchase - Specialty Incandescent	Retail Purchase - Specialty CFL	<del>28.62</del>	Bull
Retail Purchase - 3 Way Specialty Incandescent	Retail Purchase - 3-Way Specialty CFL	<del>32.96</del>	Bull
Existing Standard Incandescent	Geographic Give Away Standard CFL	23.74	Bull
Existing Specialty Incandescent	Geographic Give Away Specialty CFL	21.98	Bull
Appliance Recycling			
Unwanted or Second Refrigerator	Recycled Refrigerator (2012)	1,082.99	eacl
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)	<del>490.14</del>	<del>each</del>
Non Energy / Federal Standard Compliant Clothes Washer (Gas DHWH).	ENERGY STAR qualified Clothes Washer (Gas DHWH) (2012)	<del>318.43</del>	<del>each</del>
Non Energy / Federal Standard Compliant Freezer	ENERGY STAR qualified Freezer (2012)	<del>46.52</del>	each
Non Energy / Federal Standard Compliant Refrigerator	ENERGY STAR qualified Refrigerator (2012)	<del>65.52</del>	<del>each</del>

## 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

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Residential 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

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

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						Measure Life	Annual Savings	=
<u>Line # Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program  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 claimied within the same program. Any Style and style-specific	(years)	Site (kwh/yr)	<u>UOM</u>
7 ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 1 (10% to 15% more efficient than federal standard) - Upright, Automatic Defrost	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.  Manufacturer, Dealer, or Consumer Rebate. Freezer must have a capacity of at least 7.75 cu.ft. Energy Star	22	36	EA
				Energy Star Freezer - Tier 1 (10% to	(no tiers) and Tier measures may not be claimied within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any			
8 ResFreezer_v2_2	Residential	Appliances	Refrigeration	15% more efficient than federal standard) - Upright, Manual Defrost	defrost measures may not be claimed within the same program.  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 claimied within the same program. Any Style and style-specific	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	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.  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 claimied	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	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.  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 claimied within the same program. Any Style and style-specific	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	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.  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 claimied	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	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. 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 claimied within the same program. Any Style and style-specific	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	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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						Measure Life	Annual Savings	<u>i -</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name  Energy Star Freezer - Tier 2 (15% to	Delivery Mechanism or Program  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 claimied within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any	(years)	Site (kwh/yr)	<u>UOM</u>
14 ResFreezer_v2_2	Residential	Appliances	Refrigeration	20% more efficient than federal standard) - Any Upright Freezer	defrost measures may not be claimed within the same program.  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 claimied within the same program. Any Style and style-specific measures may not be claimed within the same	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	program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.  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 claimied within the same program. Any Style and style-specific measures may not be claimed within the same	22	44	I EA
16 ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 3 (20% to 25% more efficient than federal standard) - Chest, Any Defrost	program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.  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 claimied within the same program. Any Style and style-specific	22	55	5 EA
17 ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 3 (20% to 25% more efficient than federal standard) - Upright, Automatic Defrost	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.  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 claimied within the same program. Any Style and style-specific	22	106	5 EA
18 ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 3 (20% to 25% more efficient than federal standard) - Upright, Manual Defrost	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.  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 claimied within the same program. Any Style and style-specific	22	76	5 EA
19 ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 3 (20% to 25% more efficient than federal standard) - Any Upright Freezer	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.  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 claimied within the same program. Any Style and style-specific	22	97	7 EA
20 ResFreezer_v2_2	Residential	Appliances	Refrigeration	Energy Star Freezer - Tier 3 (20% to 25% more efficient than federal standard) - Any Freezer	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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						Measure Life	Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program  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 claimied within the same program. Any Style and style-specific measures may not be claimed within the same	(years)	Site (kwh/yr) UOM
				Energy Star Freezer - Tier 4 (25% to 30% more efficient than federal	program. Upright defrost-specific and upright any defrost measures may not be claimed within the same		
21 ResFreezer_v2_2	Residential	Appliances	Refrigeration	standard) - Chest, Any Defrost	program.  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 claimied within the same program. Any Style and style-specific	22	76 EA
				Energy Star Freezer - Tier 4 (25% to 30% more efficient than federal standard) - Upright, Automatic	measures may not be claimed within the same program. Upright defrost-specific and upright any defrost measures may not be claimed within the same		
22 ResFreezer_v2_2	Residential	Appliances	Refrigeration	Defrost	program.  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 claimied within the same program. Any Style and style-specific measures may not be claimed within the same	22	104 EA
				Energy Star Freezer - Tier 4 (25% to 30% more efficient than federal	program. Upright defrost-specific and upright any defrost measures may not be claimed within the same		
23 ResFreezer_v2_2	Residential	Appliances	Refrigeration	standard) - Upright, Manual Defrost	program.  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 claimied within the same program. Any Style and style-specific measures may not be claimed within the same	22	75 EA
24 ResFreezer v2 2	Posidontial	Appliances	Refrigeration	Energy Star Freezer - Tier 4 (25% to 30% more efficient than federal standard) - Any Upright Freezer	program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.	22	95 EA
24 Nesi reezer_vz_z	Residential	Appliances	Kenigeradon		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 claimied within the same program. Any Style and style-specific measures may not be claimed within the same	22	93 LA
				Energy Star Freezer - Tier 4 (25% to 30% more efficient than federal	program. Upright defrost-specific and upright any defrost measures may not be claimed within the same		
25 ResFreezer_v2_2	Residential	Appliances	Refrigeration	standard) - Any Freezer	program.  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 claimied within the same program. Any Style and style-specific measures may not be claimed within the same	22	88 EA
				Energy Star Freezer - Tier 5 (30% to 35% more efficient than federal	program. Upright defrost-specific and upright any defrost measures may not be claimed within the same		
26 ResFreezer_v2_2	Residential	Appliances	Refrigeration	standard) - Chest, Any Defrost	program.  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 claimied within the same program. Any Style and style-specific	22	125 EA
				Energy Star Freezer - Tier 5 (30% to 35% more efficient than federal	measures may not be claimed within the same program. Upright defrost-specific and upright any		
27 ResFreezer_v2_2	Residential	Appliances	Refrigeration	standard) - Upright, Automatic Defrost	defrost measures may not be claimed within the same program.	22	209 EA

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	<u>Category</u>	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program  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 claimied within the same program. Any Style and style-specific measures may not be claimed within the same	(years)	Site (kwh/yr) UOM
20 Per[secret v2 2	Decidential	Appliances	Defuigemention	Energy Star Freezer - Tier 5 (30% to 35% more efficient than federal	program. Upright defrost-specific and upright any defrost measures may not be claimed within the same	22	140 54
28 ResFreezer_v2_2	Residential	Appliances	Refrigeration	standard) - Upright, Manual Defrost	program.  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 claimied within the same program. Any Style and style-specific measures may not be claimed within the same	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	program. Upright defrost-specific and upright any defrost measures may not be claimed within the same program.  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 claimied	22	191 EA
				Energy Star Freezer - Tier 5 (30% to	within the same program. Any Style and style-specific measures may not be claimed within the same program. Upright defrost-specific and upright any		
30 ResFreezer_v2_2	Residential	Appliances	Refrigeration	35% more efficient than federal standard) - Any Freezer	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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						Measure Life Annual Saving		
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
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	5 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	2 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	L 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	9 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	1 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	2 EA

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
				MFE 2.46 or higher Clothes Washer -	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		
43 ResClothesWashersSF_v3_2	Residentia	Appliances	Clothes Washer	Electric DHW, Gas Dryer	other "MEF X.XX or higher Clothes Washer" measures.	14	33 EA
					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		
44 ResClothesWashersSF_v3_2	Residentia	Appliances	Clothes Washer	Gas DHW, Electric Dryer	other "MEF X.XX or higher Clothes Washer" measures.	14	68 EA
45 ResClothesWashersSF_v3_2	Residentia	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	Residentia	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	Residentia	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

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						Measure Life Annual Savings -		
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<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	5 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	2 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	B 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	i 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	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	5 EA

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							Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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

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

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	Subcategory	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u> Manufacturer, Dealer, or Consumer rebate. Energy	(years)	Site (kwh/yr) UOM
					Star and CEE measures may not be claimied within the same program. Style- and icemaker-specific measures		
77 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 1 Refrigerator - Top Freezer w/Ice thru door	and "Any" measures may not be claimed with in the same program.	20	32 EA
					Manufacturer, Dealer, or Consumer rebate. Energy		
					Star and CEE measures may not be claimied within the same program. Style- and icemaker-specific measures		
70 Dan Dafricantons v. 2. 4	Danisla akial	A	Refrigeration	CEE Tier 1 Refrigerator - Top Freezer w/o Ice thru door	and "Any" measures may not be claimed with in the	20	39 EA
78 ResRefrigertors_v2_1	Residential	Appliances	Kerrigeration	w/o ice till a door	same program.  Manufacturer, Dealer, or Consumer rebate. Energy	20	39 EA
					Star and CEE measures may not be claimied within the		
					same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the		
79 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 1 Refrigerator - Any	same program.	20	37 EA
					Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimied within the		
					same program. Style- and icemaker-specific measures		
00 DesDefriesetare v2 4	Davida atial	Amalianasa	Defeienation	CEE Tier 2 Refrigerator - Bottom	and "Any" measures may not be claimed with in the	20	54.54
80 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	Freezer w/Ice thru door	same program.  Manufacturer, Dealer, or Consumer rebate. Energy	20	54 EA
					Star and CEE measures may not be claimied within the		
				CEE Tier 2 Refrigerator - Bottom	same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the		
81 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	Freezer w/o Ice thru door	same program.	20	65 EA
					Manufacturer, Dealer, or Consumer rebate. Energy		
					Star and CEE measures may not be claimied within the same program. Style- and icemaker-specific measures		
				-	and "Any" measures may not be claimed with in the		
82 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	w/Ice thru door	same program.  Manufacturer, Dealer, or Consumer rebate. Energy	20	64 EA
					Star and CEE measures may not be claimied within the		
				CEE Tion 2 Bofrigoroton Sido by Sido	same program. Style- and icemaker-specific measures and "Any" measures may not be claimed with in the		
83 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	w/o Ice thru door	same program.	20	87 EA
					Manufacturer, Dealer, or Consumer rebate. Energy		
					Star and CEE measures may not be claimied within the same program. Style- and icemaker-specific measures		
					and "Any" measures may not be claimed with in the		
84 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	w/Ice thru door	same program.  Manufacturer, Dealer, or Consumer rebate. Energy	20	62 EA
					Star and CEE measures may not be claimied within the		
				CEE Tion 2 Defricements. Ton Frances	same program. Style- and icemaker-specific measures		
85 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 2 Refrigerator - Top Freezer w/o Ice thru door	and "Any" measures may not be claimed with in the same program.	20	65 EA
			-		Manufacturer, Dealer, or Consumer rebate. Energy		
					Star and CEE measures may not be claimied within the same program. Style- and icemaker-specific measures		
					and "Any" measures may not be claimed with in the		
86 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 2 Refrigerator - Any	same program.	20	65 EA
					Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimied within the		
				05571 00 51	same program. Style- and icemaker-specific measures		
87 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 3 Refrigerator - Bottom Freezer w/Ice thru door	and "Any" measures may not be claimed with in the same program.	20	74 EA
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						Measure Life	Annual Savings -	
<u>Line # Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program  Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimied within the same program. Style- and icemaker-specific measures	(years)	Site (kwh/yr) U	<u>JOM</u>
				CEE Tier 3 Refrigerator - Bottom	and "Any" measures may not be claimed with in the			
88 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	Freezer w/o Ice thru door	same program.  Manufacturer, Dealer, or Consumer rebate. Energy Star and CEE measures may not be claimied within the	20	90 E.	Ā
					same program. Style- and icemaker-specific measures			
					and "Any" measures may not be claimed with in the			
89 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	w/Ice thru door	same program.  Manufacturer, Dealer, or Consumer rebate. Energy	20	91 E	:A
					Star and CEE measures may not be claimied within the			
					same program. Style- and icemaker-specific measures			
				CEE Tier 3 Refrigerator - Side-by-Side	and "Any" measures may not be claimed with in the			
90 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	w/o Ice thru door	same program.	20	107 E	A
					Manufacturer, Dealer, or Consumer rebate. Energy			
					Star and CEE measures may not be claimied within the same program. Style- and icemaker-specific measures			
				CEE Tier 3 Refrigerator - Top Freezer	and "Any" measures may not be claimed with in the			
91 ResRefrigertors v2 1	Residential	Appliances	Refrigeration	w/Ice thru door	same program.	20	85 E	A
<b>5</b>			•	·	Manufacturer, Dealer, or Consumer rebate. Energy			
					Star and CEE measures may not be claimied within the			
					same program. Style- and icemaker-specific measures			
02 Deep-friedram v2 4	Danisla astal	A	Defidence		and "Any" measures may not be claimed with in the	20	25.5	
92 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	w/o Ice thru door	same program.  Manufacturer, Dealer, or Consumer rebate. Energy	20	85 E	:A
					Star and CEE measures may not be claimied within the			
					same program. Style- and icemaker-specific measures			
					and "Any" measures may not be claimed with in the			
93 ResRefrigertors_v2_1	Residential	Appliances	Refrigeration	CEE Tier 3 Refrigerator - Any	same program.	20	86 E	Α
					Manufacturer, Dealer or Consumer Rebate New MF			
					construction with >10 units, electric resistance water heat, preheating shower & DHW tank in balanced flow			
				Gravity Film Heat Exchanger in New	mode. Model S3-60, two-unit coil or equivalent with			
			Waste Water Heat	MultiFamily Construction, DHW &	combined heat transfer surface area of 3.74sf or			
94 ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Recovery	Shower Preheat, Electric Resistance	greater.	N/A	N/A E	A
					Manufacturer, Dealer or Consumer Rebate New SF			
					construction, electric resistance water heat,			
				Gravity Film Heat Exchanger in New	preheating shower & DHW tank in balanced flow mode. Model S3-60,two-unit coil or equivalent with			
			Waste Water Heat	Single Family Construction, DHW &	combined heat transfer surface area of 3.74sf or			
95 ResDHWDrainWasteHeatRecovery v1 2	Residential	Water Heating	Recovery	Shower Preheat, Electric Resistance	greater.	N/A	N/A E	A
· <del>-</del> -		-						
					Manufacturer, Dealer or Consumer Rebate New MF			
				0 11 511 11 15 1	construction with >10 units, electric resistance water			
			Waste Water Heat	Gravity Film Heat Exchanger in New MultiFamily Construction, DHW	heat, preheating DHW tank only. Model G3-60, single unit coil or equivalent with heat transfer surface area			
96 ResDHWDrainWasteHeatRecovery v1 2	Residential	Water Heating	Recovery	Preheat, Electric Resistance	of 3.85 sf or greater.	N/A	N/A E	Α
			,				.,	
					Manufacturer, Dealer or Consumer Rebate SF or MF			
					retrofit, electric resistance water heat, preheating			
			Masta Matau Haat	,	shower & DHW tank in balanced flow mode. Model S3-			
97 ResDHWDrainWasteHeatRecovery v1 2	Residential	Water Heating	Waste Water Heat Recovery	Preheat, Electric Resistance	60,two-unit coil or equivalent with combined heat transfer surface area of 3.74sf or greater.	N/A	N/A E	Δ
	.100.00		,			,,,	,/	

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Manufacturer, Dealer or Consumer Rebate New SF construction, electric resistance water heat,	<u>(years)</u>	Site (kwh/yr) UOM
98 ResDHWDrainWasteHeatRecovery_v1_2	Residential	Water Heating	Waste Water Heat Recovery	Gravity Film Heat Exchanger in New Single Family Construction, DHW Preheat, Electric Resistance	preheating DHW tank only. Model G3-60, single unit coil or equivalent with heat transfer surface area of 3.85 sf or greater.  Manufacturer, Dealer or Consumer Rebate SF or MF retrofit, electric resistance water heat, preheating	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	DHW tank only. Model G3-60, single unit coil or equivalent with heat transfer surface area of 3.85 sf or greater.  Manufacturer, Dealer or Consumer Rebate New MF construction with >10 units, heat pump water heat,	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	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.  Manufacturer, Dealer or Consumer Rebate New MF construction with >10 units, heat pump water heat,	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	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	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	gallons, <35 gallons)	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	59 EA
107 ResDHW_v2_3	Residential	Water Heating	Efficient Tanks	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	gallons, <55 gallons_EF0.94+)	Manufacturer, Dealer or Consumer Rebate and Direct Installations. Manufacturer, Dealer or Consumer Rebate and Direct	15	142 EA
110 ResDHW_v2_3	Residential	Water Heating	Efficient Tanks	gallons, <75 gallons)	Installations.  Manufacturer, Dealer or Consumer Rebate and Direct	15	190 EA
111 ResDHW_v2_3	Residential	Water Heating	Efficient Tanks	gallons, <100 gallons) Residential-type Water Heater (>= 75	Installations.  Manufacturer, Dealer or Consumer Rebate and Direct	15	129 EA
112 ResDHW_v2_3	Residential	Water Heating	Efficient Tanks	100 gallons, <120 gallons)	Installations.	15	120 EA

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						Measure Life	Annual Savings	_
Line # Reference	Sector	Category	<u>Subcategory</u>	<u>Procost Full Measure Name</u> HPWH - Tier 1 - 50 to 75 gallons - Any	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
113 Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	Heat Type - Unheated Buffer Location - PNW HPWH - Tier 1 - 50 to 75 gallons - Gas	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	881	EA
114 Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	Heated Home - Interior Location - PNW HPWH - Tier 1 - 50 to 75 gallons -	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	1,547	EA
115 Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	Heat Pump Heated Home - Interior Location - PNW HPWH - Tier 1 - 50 to 75 gallons -	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	1,189	EA
116 Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	Zonal Electric Heated Home - Interior Location - PNW HPWH - Tier 1 - 50 to 75 gallons -	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	648	EA
117 Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	Electric Furnace Heated Home - Interior Location - PNW HPWH - Tier 1 - greater than 75	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	556	EA .
118 Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	gallons - Any Heat Type - Unheated Buffer Location - PNW HPWH - Tier 1 - greater than 75	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	1,811	EA
119 Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	5	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	2,169	EA
120 Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	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 HPWH - Tier 1 - greater than 75	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	957	EA
122 Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	gallons - Electric Furnace Heated Home - Interior Location - PNW HPWH - Tier 2 - Any Size - Any Heat	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	833	EA
123 Res_HPWH_v1_2	Residential	Water Heating	Efficient Tanks	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
					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			
				Residential Showerhead Replacement_2_00gpm_Any	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			
128 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Shower_ Any Water Heating_Retail	A112.18.1M.	10	81	. EA

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	<u>Category</u>	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
				Residential Showerhead	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		
129 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Replacement_1_75gpm_Any Shower_ Any Water Heating_Retail	(552 kPa) in accordance with ANSI standard A112.18.1M. 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	10	121 EA
130 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Any Shower_ Any Water Heating_Retail	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 the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence.	10	157 EA
131 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Primary 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 the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence.	10	140 EA
132 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Primary 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 the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence. Replacement showerhead shall be pressure	10	224 EA
133 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Primary Shower_Electric Water Heating_Mail- by-Request	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 the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence.	10	310 EA
134 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Secondary 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 the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence. Replacement showerhead shall be pressure	10	71 EA
135 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Secondary Shower_Electric Water Heating_Mail- by-Request	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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						Measure Life	Annual Savings	<u>s -</u>
Line# Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program 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	(years)	Site (kwh/yr)	<u>UOM</u>
				Residential Showerhead Replacement_1_50gpm_Secondary Shower_ Electric Water Heating_Mail	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			
136 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	by-Request	A112.18.1M.	10	158	8 EA
				Residential Showerhead Replacement_2_00gpm_Any	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			
137 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	by-Request	- tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M.	10	117	7 EA
					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			
138 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	by-Request	standard A112.18.1M.	10	187	7 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	26(	O EA
		Ü		Residential Showerhead Replacement_2_00gpm_Primary Shower_Gas Water Heating_Mail-by-	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			
140 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Request  Residential Showerhead	A112.18.1M.  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	10		6 EA
				Replacement_1_75gpm_Primary Shower_ Gas Water Heating_Mail-by-	have flow rate of 1.75 gpm or less as tested at 80 psi (552 kPa) in accordance with ANSI standard			
141 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Request	A112.18.1M.	10	10	0 EA

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						Measure Life	Annual Savings	<u>-</u>
<u>Line # Reference</u>	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program 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	(years)	Site (kwh/yr)	<u>UOM</u>
				Residential Showerhead Replacement 1 50gpm Primary	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			
142 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Request	A112.18.1M.  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	10	13	S EA
				Residential Showerhead Replacement 2 00gpm Secondary	compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as tested at 80 psi			
				Shower_ Gas Water Heating_Mail-by-	(552 kPa) in accordance with ANSI standard			
143 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Request	A112.18.1M.  Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence.	10	3	S EA
			Fff class Chance has do		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		_	
144 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Request	A112.18.1M.  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	10	5	i EA
				Residential Showerhead Replacement 1 50gpm Secondary	compensating with non-removable flow controller and have flow rate of 1.5 gpm or less as tested at 80 psi			
445.0			Efficient Charrent and		(552 kPa) in accordance with ANSI standard	10	_	
145 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Request	A112.18.1M.	10	7	' EA
				Decident's (Channels and	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			
				Residential Showerhead Replacement 2 00gpm Any	pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or less as			
445.2 51			Efficient Charrent and		tested at 80 psi (552 kPa) in accordance with ANSI	10	_	
146 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Request	standard A112.18.1M.	10	5	EA .
				Residential Showerhead Replacement_1_75gpm_Any Shower Gas Water Heating Mail-by-	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			
147 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Request	standard A112.18.1M.	10	8	S EA

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	<u>Category</u>	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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.  Showerhead shall be delivered to the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence.	10	11 EA
149 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Primary 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 the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence.	10	92 EA
150 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Primary 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 the consumers in fulfillment of their request. Showerhead shall be designated for the primary shower in the residence.	10	147 EA
151 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Primary 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 the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence.	10	203 EA
152 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Secondary 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 the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence.	10	47 EA
153 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Secondary 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 the consumers in fulfillment of their request. Showerhead shall be designated for the secondary shower in the residence.	10	75 EA
154 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Secondary 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.	10	104 EA

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						Measure Life	Annual Savings -	
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM	<u>I</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	

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							Annual Savings -
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
161 ResShowerheads_v1	Residential	I 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	Residentia	I 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	Residentia	l 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.  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	10	187 EA
164 ResShowerheads_v1	Residentia	l Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Any Shower_ Electric Water Heating_Direct Install	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. Showerhead shall be installed in either the primary or secondary shower in the residence.  Replacement showerhead shall be pressure	10	139 EA
165 ResShowerheads_v1	Residentia	l Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Any Shower_ Electric Water Heating_Direct Install	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. Showerhead shall be installed in either the primary or secondary shower in the residence.	10	222 EA
166 ResShowerheads_v1	Residentia	l Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Any 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.	10	307 EA
167 ResShowerheads_v1	Residentia	l 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

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							Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
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	Residentia	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.  Showerhead shall be installed by utility staff or utility contractor. Showerhead shall be installed in either the primary or secondary shower in the residence.	10	8 EA
173 ResShowerheads_v1	Residentia	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Any 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. Showerhead shall be installed in either the primary or secondary shower in the residence.  Replacement showerhead shall be pressure	10	6 EA
174 ResShowerheads_v1	Residentia	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Any Shower_ Gas Water Heating_Direct Install	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

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						Measure Life	Annual Savings -
Line # Reference  175 ResShowerheads v1	<u>Sector</u> Residential	Category  Water Heating	<u>Subcategory</u> Efficient Showerheads	Residential Showerhead Replacement_1_50gpm_Any Shower_ Gas Water Heating_Direct Install	Delivery Mechanism or Program 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.	(years)	Site (kwh/yr) UOM
1/3 Resolitive Heads_v1	Residential	water freating	Lincent Showerheads	Residential Showerhead Replacement_2_00gpm_Primary Shower Any Water Heating Direct	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	10	13 LA
176 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Install	with ANSI standard A112.18.1M.  Showerhead shall be installed by utility staff or utility	10	109 EA
177 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_1_75gpm_Primary Shower_ Any Water Heating_Direct Install	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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						Measure Life	Annual Savi	ngs -
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> 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	<u>(years)</u>	Site (kwh/	<u>yr) UOM</u>
182 ResShowerheads v1	Residential	Water Heating	Efficient Showerheads	Residential Showerhead Replacement_2_00gpm_Any Shower_ Any Water Heating_Direct Install	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
_		Ü			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			
				Residential Showerhead Replacement_1_75gpm_Any Shower_ Any Water Heating_Direct	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			
183 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Install	A112.18.1M.  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	10	) <u>:</u>	145 EA
				Residential Showerhead Replacement_1_50gpm_Any Shower_ Any Water Heating_Direct	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			
184 ResShowerheads_v1	Residential	Water Heating	Efficient Showerheads	Install Existing Manufactured Home HVAC Conversion - Convert FAF w/CAC to Heat Pump (7.7 HSPF/13 SEER) -	A112.18.1M.  Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a	10	) 2	201 EA
185 ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion		requirement of this measure. Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a	20	) 3,9	971 EA
186 ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Heating Zone 2 Existing Manufactured Home HVAC Conversion - Convert FAF w/CAC to	requirement of this measure.  Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS	20	) 4,9	909 EA
187 ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 3	Commissioning, Controls, and Sizing are not a requirement of this measure.	20	5,2	269 EA
				Heat Pump (7.7 HSPF/13 SEER) -	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a			
188 ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Heating Zone 1 - Cooling Zone 1  Existing Manufactured Home HVAC Conversion - Convert FAF w/o CAC to	requirement of this measure.  Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS	20	) 3,	722 EA
189 ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 1 - Cooling Zone 2	Commissioning, Controls, and Sizing are not a requirement of this measure.	20	3,4	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
- <del>-</del>			•	Existing Manufactured Home HVAC Conversion - Convert FAF w/o CAC to	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS		,	
191 ResMHHPConversion_v2_5	Residential	HVAC	HVAC System Conversion	Heat Pump (7.7 HSPF/13 SEER) - Heating Zone 2 - Cooling Zone 1	Commissioning, Controls, and Sizing are not a requirement of this measure.	20	4,6	660 EA

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			Measure Life Ann			Measure Life Annual Saving		<u>:-</u>
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
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	L <b>EA</b>
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	5 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	l <b>EA</b>
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	5 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	I 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	5 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	Heat Pump - Heating Zone 1 - Cooling	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	Heat Pump - Heating Zone 1 - Cooling	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	I EA

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
202 ResSFHPConversion_v2_6	Residential	HVAC	HVAC System Conversion	Heat Pump - Heating Zone 1 - Cooling	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	Residentia	HVAC	HVAC System Conversion	Heat Pump - Heating Zone 2 - Cooling	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	0 4,683 EA
204 ResSFHPConversion_v2_6	Residentia	HVAC	HVAC System Conversion	Heat Pump - Heating Zone 2 - Cooling	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	Residentia	HVAC	HVAC System Conversion	Heat Pump - Heating Zone 2 - Cooling	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	Residentia	HVAC	HVAC System Conversion	Heat Pump - Heating Zone 3 - Cooling	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	Residentia	HVAC	HVAC System Conversion	Heat Pump - Heating Zone 3 - Cooling	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	Residentia	HVAC	HVAC System Conversion	Heat Pump - Heating Zone 3 - Cooling	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. Heat pump system must be installed in substantial	20	4,256 EA
209 ResMHHPUpgrades_v2_5	Residentia	HVAC	HVAC System Upgrade	HVAC Upgrade - Heat Pump Upgrade to 8.2 HSPF/13 SEER - Heating Zone 1 New or Existing Manufactured Home	compliance with PTCS specifications. Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.  Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS	20	184 EA
210 ResMHHPUpgrades_v2_5	Residentia	HVAC	HVAC System Upgrade	to 8.2 HSPF/13 SEER - Heating Zone 2	Commissioning, Controls, and Sizing are not a requirement of this measure.  Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS	20	214 EA
211 ResMHHPUpgrades_v2_5	Residentia	HVAC	HVAC System Upgrade	HVAC Upgrade - Heat Pump Upgrade to 8.2 HSPF/13 SEER - Heating Zone 3 New or Existing Manufactured Home	Commissioning, Controls, and Sizing are not a	20	236 EA
212 ResMHHPUpgrades_v2_5	Residentia	HVAC	HVAC System Upgrade	to 8.5 HSPF/14 SEER - Heating Zone 1 Cooling Zone 1	- Commissioning, Controls, and Sizing are not a requirement of this measure.	20	293 EA

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						Measure Life	<b>Annual Savings</b>	<u>s -</u>
Line # Reference	Sector	Category	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr)	<u>UOM</u>
				_	Heat pump system must be installed in substantial			
					compliance with PTCS specifications. Exception: PTCS			
					- Commissioning, Controls, and Sizing are not a			
213 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 2	requirement of this measure.	20	321	1 EA
				_	Heat pump system must be installed in substantial			
					compliance with PTCS specifications. Exception: PTCS			
244.0. \$41111011   1   2.5				_	- Commissioning, Controls, and Sizing are not a	20	251	
214 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 3	requirement of this measure.	20	362	2 EA
				_	Heat pump system must be installed in substantial			
					compliance with PTCS specifications. Exception: PTCS			
21E BocMHHDHagrados v2 E	Residential	HVAC	HVAC System Ungrade	Cooling Zone 1	- Commissioning, Controls, and Sizing are not a requirement of this measure.	20	22-	7 EA
215 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	•	Heat pump system must be installed in substantial	20	337	/ EA
				· ·	· · ·			
					compliance with PTCS specifications. Exception: PTCS - Commissioning, Controls, and Sizing are not a			
216 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 2	requirement of this measure.	20	261	5 EA
210 ResivininPopgrades_v2_5	Residential	пиас	TIVAC System Opgrade	•	•	20	303	) EA
					Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS			
217 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 3	- Commissioning, Controls, and Sizing are not a requirement of this measure.	20	401	5 EA
217 NesiviTiTFOpgrades_v2_3	Residential	TIVAC	TIVAC System Opgrade	•	Heat pump system must be installed in substantial	20	403	) LA
					compliance with PTCS specifications. Exception: PTCS			
					- Commissioning, Controls, and Sizing are not a			
218 ResMHHPUpgrades v2 5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 1	requirement of this measure.	20	361	5 EA
210 Nesivii iii Opgrades_v2_5	Residential	IIVAC	Tranc System Opgrade	•	Heat pump system must be installed in substantial	20	303	, LA
				_	compliance with PTCS specifications. Exception: PTCS			
					- Commissioning, Controls, and Sizing are not a			
219 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 2	requirement of this measure.	20	39:	3 EA
215 Neshim	riesiaericia:		Transfer opposit	•	Heat pump system must be installed in substantial	20	333	, _,,
					compliance with PTCS specifications. Exception: PTCS			
					- Commissioning, Controls, and Sizing are not a			
220 ResMHHPUpgrades v2 5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 3	requirement of this measure.	20	43/	4 EA
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			, , , , ,	•	Heat pump system must be installed in substantial			
				_	compliance with PTCS specifications. Exception: PTCS			
				to 9.0 HSPF/14 SEER - Heating Zone 1	- Commissioning, Controls, and Sizing are not a			
221 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 1	requirement of this measure.	20	418	8 EA
				New or Existing Manufactured Home	Heat pump system must be installed in substantial			
				HVAC Upgrade - Heat Pump Upgrade	compliance with PTCS specifications. Exception: PTCS			
				to 9.0 HSPF/14 SEER - Heating Zone 1	- Commissioning, Controls, and Sizing are not a			
222 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 2	requirement of this measure.	20	447	7 EA
				New or Existing Manufactured Home	Heat pump system must be installed in substantial			
				HVAC Upgrade - Heat Pump Upgrade	compliance with PTCS specifications. Exception: PTCS			
				to 9.0 HSPF/14 SEER - Heating Zone 1	- Commissioning, Controls, and Sizing are not a			
223 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 3	requirement of this measure.	20	487	7 EA
				_	Heat pump system must be installed in substantial			
					compliance with PTCS specifications. Exception: PTCS			
				,	- Commissioning, Controls, and Sizing are not a			
224 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 1	requirement of this measure.	20	482	2 EA
				-	Heat pump system must be installed in substantial			
					compliance with PTCS specifications. Exception: PTCS			
				_	- Commissioning, Controls, and Sizing are not a			
225 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 2	requirement of this measure.	20	510	0 EA
					Heat pump system must be installed in substantial			
					compliance with PTCS specifications. Exception: PTCS			
226 BocMHHDLIngrados v2 F	Docidantia!	HVAC	HIVAC Systom Harrad	_	- Commissioning, Controls, and Sizing are not a	20	F.F.	O EA
226 ResMHHPUpgrades_v2_5	Residential	TVAL	HVAC System Upgrade	Cooling Zone 3	requirement of this measure.	20	550	0 EA

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						Measure Life	Annual Saving	<u>gs -</u>
<u>Line #</u> <u>Reference</u>	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yı	<u>) UOM</u>
				_	Heat pump system must be installed in substantial			
					compliance with PTCS specifications. Exception: PTCS			
227.0 444404 1 2.5					- Commissioning, Controls, and Sizing are not a	20		
227 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 1	requirement of this measure.	20	52	21 EA
				_	Heat pump system must be installed in substantial			
					compliance with PTCS specifications. Exception: PTCS			
220 DecMIIIDHaggades v2 F	Residential	LIVAC	LIVAC Custom Hagrada		- Commissioning, Controls, and Sizing are not a	20		19 EA
228 ResMHHPUpgrades_v2_5	Residential	nvac	HVAC System Upgrade	Cooling Zone 2	requirement of this measure.  Heat pump system must be installed in substantial	20	54	19 EA
				_	compliance with PTCS specifications. Exception: PTCS			
					- Commissioning, Controls, and Sizing are not a			
229 ResMHHPUpgrades_v2_5	Residential	HVAC	HVAC System Upgrade	Cooling Zone 3	requirement of this measure.	20	58	39 EA
223 Neshiiii	nesiaenia.		Trito bystem oppidae	cooming Zonic 5	Heat pump system must be installed in substantial	20	3.	,,
				Existing Single Family Home HVAC	compliance with PTCS specifications. Exception: PTCS			
				Upgrade - Heat Pump Upgrade to 9.0	Commissioning, Controls, and Sizing are not a			
230 ResHeatingCoolingHeatPumpsUpgradeSFexisting v2 8	Residential	HVAC	HVAC System Upgrade	HSPF/14 SEER - Heating Zone 1	requirement of this measure.	15	1:	28 EA
			,	, , ,	Heat pump system must be installed in substantial			
				Existing Single Family Home HVAC	compliance with PTCS specifications. Exception: PTCS			
				Upgrade - Heat Pump Upgrade to 9.0	·			
231 ResHeatingCoolingHeatPumpsUpgradeSFexisting v2 8	Residential	HVAC	HVAC System Upgrade	HSPF/14 SEER - Heating Zone 2	requirement of this measure.	15	1:	L6 EA
0 0 1 10 02 2			, 10	,	Heat pump system must be installed in substantial			
				Existing Single Family Home HVAC	compliance with PTCS specifications. Exception: PTCS			
				Upgrade - Heat Pump Upgrade to 9.0	Commissioning, Controls, and Sizing are not a			
232 ResHeatingCoolingHeatPumpsUpgradeSFexisting_v2_8	Residential	HVAC	<b>HVAC System Upgrade</b>	HSPF/14 SEER - Heating Zone 3	requirement of this measure.	15	1:	L5 EA
					Heat pump system must be installed in substantial			
				New Single Family Home HVAC	compliance with PTCS specifications. Exception: PTCS			
				Upgrade - Heat Pump Upgrade to 9.0	Commissioning, Controls, and Sizing are not a			
233 ResHeatingCoolingHeatPumpsUpgradeSFnew_v1_0	Residential	HVAC	<b>HVAC System Upgrade</b>	HSPF/14 SEER - Heating Zone 1	requirement of this measure.	15	1:	L5 EA
					Heat pump system must be installed in substantial			
				New Single Family Home HVAC	compliance with PTCS specifications. Exception: PTCS			
				Upgrade - Heat Pump Upgrade to 9.0	Commissioning, Controls, and Sizing are not a			
234 ResHeatingCoolingHeatPumpsUpgradeSFnew_v1_0	Residential	HVAC	<b>HVAC System Upgrade</b>	HSPF/14 SEER - Heating Zone 2	requirement of this measure.	15	10	9 EA
					Heat pump system must be installed in substantial			
				New Single Family Home HVAC	compliance with PTCS specifications. Exception: PTCS			
				Upgrade - Heat Pump Upgrade to 9.0	<u> </u>			
235 ResHeatingCoolingHeatPumpsUpgradeSFnew_v1_0	Residential	HVAC	<b>HVAC System Upgrade</b>	HSPF/14 SEER - Heating Zone 3	requirement of this measure.	15	1:	l1 EA
					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			
				High Efficience Develope College	unit. All DHP claims, BPA funded or utility self funded,			
			Casa Canditioning	High Efficiency Ductless Split Heat	need to follow the Pilot Program requirements as			
22C DUD Descriptional Ediation FMAC 4 2 Designated	Danisla akial	111/46	Space Conditioning	Pump System - Existing Single Family w/ Zonal Electric Heat	defined by the NEEA/Fluid Marketing Strategies DHP	20	2.54	00 54
236 DHP_Provisional_Existing_FY10v1_2_Reviewed	Residential	nvac	System Upgrade	W/ ZONAL Electric Heat	Implementation Team.	20	3,30	00 EA
					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,			
				High Efficiency Ductless Split Heat	need to follow the Pilot Program requirements as			
			Space Conditioning	Pump System - Existing Single Family	defined by the NEEA/Fluid Marketing Strategies DHP			
237 DHP_Provisional_Existing_FY10v1_2_Reviewed	Residential	HVAC	System Upgrade	w/ Electric FAC w/ or w/o CAC	Implementation Team.	20	3,50	00 EA
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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings - Site (kwh/yr) UOM
238 ResSFElectronicTStats_v2_0	Residential				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	
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		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 Ground Source Heat Pump Upgrade		20	2,513 EA
243 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	From Air Source Heat Pump - Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3 Ground Source Heat Pump Upgrade		20	2,632 EA
244 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	from Air Source Heat Pump - Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1 Ground Source Heat Pump Upgrade		20	3,790 EA
245 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	from Air Source Heat Pump - Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2 Ground Source Heat Pump Upgrade		20	3,850 EA
246 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	From Air Source Heat Pump - Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3		20	3,969 EA

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						Measure Life	Annual Saving	<u> (S - </u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr	<u>) UOM</u>
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House 4000				
247 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	square feet or greater - Heating Zone 2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4.27	'0 EA
-	nesidentia.		o system opgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House 4000			.,	<b>0</b>
248 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4,34	7 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House 4000				
249 ResGSHP v2 2	Residential	HVAC	HVAC System Upgrade	square feet or greater - Heating Zone 2 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	4,50	9 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House 4000				
250 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	square feet or greater - Heating Zone 3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	6,58	34 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House 4000 square feet or greater - Heating Zone	Manufacturer, retailer or consumer rebate, coupon or			
251 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	3 - Cooling Zone 2	other incentive and direct installations.	20	6,66	60 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - New House 4000 square feet or greater - Heating Zone	Manufacturer, retailer or consumer rebate, coupon or			
252 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	3 - Cooling Zone 3	other incentive and direct installations.	20	6,82	22 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House less than 4000 square feet - Heating Zone 2 -	Manufacturer, retailer or consumer rebate, coupon or			
253 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Cooling Zone 1	other incentive and direct installations.	20	3,60	00 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House less than 4000 square feet - Heating Zone 2 -	Manufacturer, retailer or consumer rebate, coupon or			
254 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Cooling Zone 2	other incentive and direct installations.	20	3,66	61 EA
					Manufacturer, retailer or consumer rebate, coupon or			
255 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Cooling Zone 3	other incentive and direct installations.	20	3,78	80 EA

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						Measure Life	Annual Saving	<u>s -</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>uom</u>
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	5.01	2 EA
230 NeSUSTIF_VZ_2	Residential	TIVAC	Tivac system opgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With	other incentive and unect installations.	20	3,01	Z LA
				Desuperheater - New House less than 4000 square feet - Heating Zone 3 -	Manufacturer, retailer or consumer rebate, coupon or			
257 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Cooling Zone 2	other incentive and direct installations.	20	5,07	2 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House less than				
258 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	4000 square feet - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,19	1 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House 4000	Manufashura ashiila as asaa waxa ashata asuu as			
259 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	2 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,45	0 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House 4000				
260 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	square feet or greater - Heating Zone 2 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,52	6 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House 4000	Manufacturer, retailer or consumer rebate, coupon or			
261 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	2 - Cooling Zone 3	other incentive and direct installations.	20	5,68	8 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House 4000				
262 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	3 - Cooling Zone 1	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	7,81	0 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House 4000	Manufacturas ratailar as consumas rabata coupon as			
263 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	3 - Cooling Zone 2	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	7,88	6 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - New House 4000	Manufachura achaile an ar-			
264 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	square feet or greater - Heating Zone 3 - Cooling Zone 3	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	8,04	9 EA

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							Annual Savings -
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House less			-,,,,
266 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	2 - Cooling Zone 2  Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House less	other incentive and direct installations.	20	3,044 EA
267 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	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
					Manufacturer, retailer or consumer rebate, coupon or		
268 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	3 - Cooling Zone 1  Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House less	other incentive and direct installations.	20	4,638 EA
269 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	-	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	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
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone	Manufacturer, retailer or consumer rebate, coupon or		
271 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	2 - Cooling Zone 1  Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without	other incentive and direct installations.	20	4,956 EA
272 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2  Ground Source Heat Pump Upgrade	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	from Air Source Heat Pump - Without Desuperheater - Existing House 4000	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	5,215 EA

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			<u>Me</u> z	Measure Life Annual Savings -			
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House 4000			
274 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	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
	nesidential	············	тино бузает бругае	Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without		20	7,070 2.1
				Desuperheater - Existing House 4000 square feet or greater - Heating Zone	Manufacturer, retailer or consumer rebate, coupon or		
275 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	3 - Cooling Zone 2	other incentive and direct installations.	20	7,758 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - Without Desuperheater - Existing House 4000			
276 ResGSHP v2 2	Residential	HVAC	HVAC System Upgrade	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
270 Nesestin_vz_2	Residential	c	mic officers opposed	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House less		20	7,555 EN
277 ResGSHP_v2_2	Residential	H)/AC	HVAC System Upgrade	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
2// NeSdSHP_VZ_2	Residential	HVAC	Tivac system opgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House less		20	4,224 EA
278 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	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
			, ,	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House less	Manufacturer, retailer or consumer rebate, coupon or		
279 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	2 - Cooling Zone 3	other incentive and direct installations.	20	4,415 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House less than 4000 square feet - Heating Zone	Manufacturer, retailer or consumer rebate, coupon or		
280 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	3 - Cooling Zone 1	other incentive and direct installations.	20	5,951 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House less than 4000 square feet - Heating Zone	Manufacturer, retailer or consumer rebate, coupon or		
281 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	3 - Cooling Zone 2	other incentive and direct installations.	20	6,015 EA
				Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House less than 4000 square feet - Heating Zone	Manufacturer, retailer or consumer rebate, coupon or		
282 ResGSHP_v2_2	Residential	HVAC	HVAC System Upgrade	3 - Cooling Zone 3	other incentive and direct installations.	20	6,142 EA

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<u>Line # Reference</u>	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life Annual Savings - (years) Site (kwh/yr) UOM	
283 ResGSHP_v2_2	Residential		HVAC System Upgrade	Ground Source Heat Pump Upgrade from Air Source Heat Pump - With Desuperheater - Existing House 4000	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	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 Ground Source Heat Pump Upgrade	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	from Air Source Heat Pump - With Desuperheater - Existing House 4000	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	3 - Cooling Zone 3 Ground Source Heat Pump Conversion from FAF w/CAC -	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	Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1 Ground Source Heat Pump Conversion from FAF w/CAC -	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	Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 2 Ground Source Heat Pump Conversion from FAF w/CAC -	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	Without Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3 Ground Source Heat Pump Conversion from FAF w/CAC -	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	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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						Measure Life Annual Savings -		
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name Ground Source Heat Pump Conversion from FAF w/CAC -	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/	<u>/yr) UOM</u>
293 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2 Ground Source Heat Pump Conversion from FAF w/CAC - Without Desuperheater - New House	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	2	0 10,	,651 EA
294 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	less than 4000 square feet - Heating Zone 3 - Cooling Zone 3 Ground Source Heat Pump Conversion from FAF w/CAC -	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	2	0 10,	,798 EA
295 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	2	0 14,	,788 EA
296 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	2	0 14,	,890 EA
297 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	2	0 15,	,093 EA
298 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	2	0 18,	,522 EA
299 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	2	0 18,	,624 EA
300 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	2	0 18,	,828 EA
301 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Desuperheater - New House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1 Ground Source Heat Pump Conversion from FAF w/CAC - With	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	2	0 9,	,563 EA
302 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	2	0 9,	,641 EA
303 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	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.	2	0 9,	,788 EA

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						Measure Life	Annual Savir	ngs -
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name Ground Source Heat Pump Conversion from FAF w/CAC - With	Delivery Mechanism or Program	(years)	Site (kwh/y	<u>rr) UOM</u>
304 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Cooling Zone 1 Ground Source Heat Pump	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	) 11,7	'94 EA
305 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Cooling Zone 2 Ground Source Heat Pump	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	) 11,8	372 EA
306 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	) 12,C	020 EA
307 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	) 15,9	967 EA
308 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Desuperheater - New House 4000 square feet or greater - Heating Zone	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	) 16,0	069 EA
309 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Desuperheater - New House 4000 square feet or greater - Heating Zone	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	) 16,2	73 EA
310 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Desuperheater - New House 4000 square feet or greater - Heating Zone	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	) 19,7	'48 EA
311 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Desuperheater - New House 4000 square feet or greater - Heating Zone	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	) 19,8	850 EA
312 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	) 20,C	954 EA
313 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 1 Ground Source Heat Pump Conversion from FAF w/CAC -	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	) 10,4	148 EA
314 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	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	) 10,5	32 EA

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						Measure Life	Annual Savings	<u>s -</u>
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name Ground Source Heat Pump Conversion from FAF w/CAC -	Delivery Mechanism or Program	(years)	Site (kwh/yr)	<u>UOM</u>
315 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 2 - Cooling Zone 3 Ground Source Heat Pump Conversion from FAF w/CAC -	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	10,689	9 EA
316 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1 Ground Source Heat Pump Conversion from FAF w/CAC -	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	12,996	6 EA
317 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 2 Ground Source Heat Pump Conversion from FAF w/CAC -	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	13,080	D EA
318 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Without Desuperheater - Existing House less than 4000 square feet - Heating Zone 3 - Cooling Zone 3 Ground Source Heat Pump Conversion from FAF w/CAC -	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	13,237	7 EA
319 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 1 Ground Source Heat Pump	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,033	3 EA
320 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Conversion from FAF w/CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 2 Ground Source Heat Pump	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,145	5 EA
321 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Conversion from FAF w/CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 2 - Cooling Zone 3 Ground Source Heat Pump Conversion from FAF w/CAC -	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,365	5 EA
322 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1 Ground Source Heat Pump Conversion from FAF w/CAC -	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	22,406	6 EA
323 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2 Ground Source Heat Pump Conversion from FAF w/CAC -	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	22,518	8 EA
324 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3 Ground Source Heat Pump Conversion from FAF w/CAC - With	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	22,738	8 EA
325 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	-	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,692	2 EA

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						Measure Life	Annual Savings	<u>s -</u>
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name Ground Source Heat Pump Conversion from FAF w/CAC - With	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				Desuperheater - Existing House less				
225 0. 2540. 2.2	5				Manufacturer, retailer or consumer rebate, coupon or	20	44 77	· -•
326 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Ground Source Heat Pump Conversion from FAF w/CAC - With	other incentive and direct installations.	20	11,776	b EA
				Desuperheater - Existing House less				
					Manufacturer, retailer or consumer rebate, coupon or			
327 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		other incentive and direct installations.	20	11,933	3 EA
				Ground Source Heat Pump Conversion from FAF w/CAC - With				
				Desuperheater - Existing House less				
					Manufacturer, retailer or consumer rebate, coupon or			
328 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	-	other incentive and direct installations.	20	14,309	9 EA
				Ground Source Heat Pump				
				Conversion from FAF w/CAC - With				
				Desuperheater - Existing House less	N4			
329 ResGSHP v2 2	Residential	HVAC	HVAC System Conversion		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	14,393	2 FA
323 NC303FII _VZ_Z	residential	IIVAC	TIVAC SYSTEM CONVERSION	Ground Source Heat Pump	other incentive and direct installations.	20	14,333	J LA
				Conversion from FAF w/CAC - With				
				Desuperheater - Existing House less				
				-	Manufacturer, retailer or consumer rebate, coupon or			
330 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		other incentive and direct installations.	20	14,550	0 EA
				Ground Source Heat Pump Conversion from FAF w/CAC - With				
				Desuperheater - Existing House 4000				
					Manufacturer, retailer or consumer rebate, coupon or			
331 ResGSHP_v2_2	Residential	HVAC	<b>HVAC System Conversion</b>	2 - Cooling Zone 1	other incentive and direct installations.	20	19,269	9 EA
				Ground Source Heat Pump				
				Conversion from FAF w/CAC - With				
				Desuperheater - Existing House 4000	Manufacturer, retailer or consumer rebate, coupon or			
332 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		other incentive and direct installations.	20	19,381	1 EA
			,	Ground Source Heat Pump			-,	
				Conversion from FAF w/CAC - With				
				Desuperheater - Existing House 4000				
333 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	19.601	1 FΔ
333 Ne303111 _v2_2	residential	IIVAC	TIVAC SYSTEM CONVERSION	Ground Source Heat Pump	other incentive and direct installations.	20	15,001	I LA
				Conversion from FAF w/CAC - With				
				Desuperheater - Existing House 4000				
				-	Manufacturer, retailer or consumer rebate, coupon or			
334 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	3 - Cooling Zone 1 Ground Source Heat Pump	other incentive and direct installations.	20	23,700	U EA
				Conversion from FAF w/CAC - With				
				Desuperheater - Existing House 4000				
					Manufacturer, retailer or consumer rebate, coupon or			
335 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	•	other incentive and direct installations.	20	23,813	3 EA
				Ground Source Heat Pump				
				Conversion from FAF w/CAC - With				
				Desuperheater - Existing House 4000 square feet or greater - Heating Zone	Manufacturer, retailer or consumer rebate, coupon or			
336 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	-	other incentive and direct installations.	20	24,032	2 EA
			,	•			,	

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name Ground Source Heat Pump	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
337 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	-	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	Without Desuperheater - New House less than 4000 square feet - Heating	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		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	Without Desuperheater - New House less than 4000 square feet - Heating Zone 3 - Cooling Zone 1 Ground Source Heat Pump Conversion from FAF w/o CAC -	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	Without Desuperheater - New House less than 4000 square feet - Heating	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 -	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	Zone 2 - Cooling Zone 1 Ground Source Heat Pump Conversion from FAF w/o CAC -	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	Zone 2 - Cooling Zone 2 Ground Source Heat Pump Conversion from FAF w/o CAC -	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	Zone 2 - Cooling Zone 3 Ground Source Heat Pump Conversion from FAF w/o CAC -	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	Zone 3 - Cooling Zone 1 Ground Source Heat Pump Conversion from FAF w/o CAC -	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		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	17,905 EA

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						Measure Life	Annual Savings	<u>: -</u>
<u>Line # Reference</u>	Sector	Category	<u>Subcategory</u>	Procost Full Measure Name Ground Source Heat Pump Conversion from FAF w/o CAC -	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
348 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	17,431	L EA
349 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	,	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	,	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	9,091	L EA
351 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Desuperheater - New House less than	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	Desuperheater - New House less than 4000 square feet - Heating Zone 3 -	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	Desuperheater - New House less than 4000 square feet - Heating Zone 3 -	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,322	2 EA
354 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Desuperheater - New House less than 4000 square feet - Heating Zone 3 -	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	11,038	3 EA
355 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	15,666	5 EA
356 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	2 - Cooling Zone 2 Ground Source Heat Pump Conversion from FAF w/o CAC - With	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	2 - Cooling Zone 3 Ground Source Heat Pump Conversion from FAF w/o CAC - With	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	14,876	5 EA
358 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	-	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	19,447	7 EA

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						Measure Life	Annual Savings	<u>i -</u>
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u> Ground Source Heat Pump Conversion from FAF w/o CAC - With	<u>Delivery Mechanism or Program</u>	<u>(years)</u>	Site (kwh/yr)	<u>UOM</u>
				Desuperheater - New House 4000				
250 D. CSUD. 2.2	5				Manufacturer, retailer or consumer rebate, coupon or	20	40.404	
359 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	3 - Cooling Zone 2 Ground Source Heat Pump	other incentive and direct installations.	20	19,131	L EA
				Conversion from FAF w/o CAC - With				
				Desuperheater - New House 4000				
				•	Manufacturer, retailer or consumer rebate, coupon or			
360 ResGSHP_v2_2	Residential	HVAC	<b>HVAC System Conversion</b>	3 - Cooling Zone 3	other incentive and direct installations.	20	18,657	7 EA
				Ground Source Heat Pump				
				Conversion from FAF w/o CAC - Without Desuperheater - Existing				
				House less than 4000 square feet -	Manufacturer, retailer or consumer rebate, coupon or			
361 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Heating Zone 2 - Cooling Zone 1	other incentive and direct installations.	20	10,196	5 EA
			,	Ground Source Heat Pump				
				Conversion from FAF w/o CAC -				
				Without Desuperheater - Existing				
262 PCCUP +2 2	D!- +!-	10/46	LIVAC Contains Comments	House less than 4000 square feet -	Manufacturer, retailer or consumer rebate, coupon or	20	0.077	7 54
362 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Heating Zone 2 - Cooling Zone 2 Ground Source Heat Pump	other incentive and direct installations.	20	9,977	/ EA
				Conversion from FAF w/o CAC -				
				Without Desuperheater - Existing				
				House less than 4000 square feet -	Manufacturer, retailer or consumer rebate, coupon or			
363 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Heating Zone 2 - Cooling Zone 3	other incentive and direct installations.	20	9,669	9 EA
				Ground Source Heat Pump				
				Conversion from FAF w/o CAC - Without Desuperheater - Existing				
				House less than 4000 square feet -	Manufacturer, retailer or consumer rebate, coupon or			
364 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Heating Zone 3 - Cooling Zone 1	other incentive and direct installations.	20	12,744	1 EA
				Ground Source Heat Pump				
				Conversion from FAF w/o CAC -				
				Without Desuperheater - Existing	Manufactures setalles es concursos soboto courses es			
365 ResGSHP_v2_2	Residential	HVΔC	HVAC System Conversion	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	5 FΔ
303 Ne303111 _v2_2	residential	IIVAC	Tivile System conversion	Ground Source Heat Pump	other meentive and direct installations.	20	12,525	LA
				Conversion from FAF w/o CAC -				
				Without Desuperheater - Existing				
				House less than 4000 square feet -	Manufacturer, retailer or consumer rebate, coupon or			
366 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Heating Zone 3 - Cooling Zone 3 Ground Source Heat Pump	other incentive and direct installations.	20	12,217	/ EA
				Conversion from FAF w/o CAC -				
				Without Desuperheater - Existing				
				House 4000 square feet or greater -	Manufacturer, retailer or consumer rebate, coupon or			
367 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Heating Zone 2 - Cooling Zone 1	other incentive and direct installations.	20	17,736	5 EA
				Ground Source Heat Pump				
				Conversion from FAF w/o CAC - Without Desuperheater - Existing				
					Manufacturer, retailer or consumer rebate, coupon or			
368 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Heating Zone 2 - Cooling Zone 2	other incentive and direct installations.	20	17,402	2 EA
			•	Ground Source Heat Pump				
				Conversion from FAF w/o CAC -				
				Without Desuperheater - Existing	Manufacturar retailer er concursor rehets			
369 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	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	) ΕΔ
505 N.5565.11 _YE_E	colucitial		System conversion		Sales meetave and an eet instantations.	20	10,000	, .,,

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name Ground Source Heat Pump	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
370 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	Conversion from FAF w/o CAC - Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 1 Ground Source Heat Pump Conversion from FAF w/o CAC -	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	Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 2 Ground Source Heat Pump Conversion from FAF w/o CAC -	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	Without Desuperheater - Existing House 4000 square feet or greater - Heating Zone 3 - Cooling Zone 3 Ground Source Heat Pump Conversion from FAF w/o CAC - With	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		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	Desuperheater - Existing House less than 4000 square feet - Heating Zone	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	2 - Cooling Zone 3 Ground Source Heat Pump Conversion from FAF w/o CAC - With	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	3 - Cooling Zone 1 Ground Source Heat Pump Conversion from FAF w/o CAC - With	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		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	than 4000 square feet - Heating Zone	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	square feet or greater - Heating Zone	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		Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,638 EA

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						Measure Life	Annual Savings -	
<u>Line # Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name Ground Source Heat Pump Conversion from FAF w/o CAC - With Desuperheater - Existing House 4000	Delivery Mechanism or Program	(years)	Site (kwh/yr) UC	<u>MC</u>
381 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion	square feet or greater - Heating Zone 2 - Cooling Zone 3 Ground Source Heat Pump Conversion from FAF w/o CAC - With	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	20	18,126 EA	i.
382 ResGSHP_v2_2	Residential	HVAC	HVAC System Conversion		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		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		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	A.
				Existing Single Family Home HVAC Conversion - Convert FAF w/CAC to	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			
389 Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Heat Pump - Heating Zone 2  Existing Single Family Home HVAC	are not a requirement of this measure.  Heat pump system must meet or exceed minimum federal efficiency standards, be new, and be installed in substantial compliance with PTCS specifications.	20	4,925 EA	
390 Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion	Conversion - Convert FAF w/CAC to Heat Pump - Heating Zone 3	Exception: PTCS Commissioning, Controls, and Sizing are not a requirement of this measure.	20	5,182 EA	

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						Measure Life	Annual Savings	<u>-</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr)	<u>UOM</u>
391 Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Conversion		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	Heat Pump - Heating Zone 1 - Cooling	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	Heat Pump - Heating Zone 1 - Cooling	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	Heat Pump - Heating Zone 2 - Cooling	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		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	Heat Pump - Heating Zone 2 - Cooling	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	Heat Pump - Heating Zone 3 - Cooling	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	Heat Pump - Heating Zone 3 - Cooling	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	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. Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS	20	4,256	EA
400 Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Upgrade	HVAC Upgrade - Heat Pump Upgrade to 9.0 HSPF/14 SEER - Heating Zone 1	Commissioning, Controls, and Sizing are not a requirement of this measure.	20	169	EA

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
				New or Existing Single Family Home	Heat pump system must be installed in substantial compliance with PTCS specifications. Exception: PTCS		
				HVAC Upgrade - Heat Pump Upgrade			
401 Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Upgrade	to 9.0 HSPF/14 SEER - Heating Zone 2		20	183 EA
					Heat pump system must be installed in substantial		
				New or Existing Single Family Home	compliance with PTCS specifications. Exception: PTCS		
402 Res SFHeatPumpsFY10v2 4	Residential	ΗνΔΟ	HVAC System Upgrade	to 9.0 HSPF/14 SEER - Heating Zone 3	Commissioning, Controls, and Sizing are not a	20	190 EA
402 Nes_51 Heath dillps1 120V2_4	residential	111/10	Tivic system opgrade	to 5.0 HSF T/14 SEEN TREATING ZONE S	requirement of this measure.	20	130 L/(
					Heat Pump must be installed in substantial compliance		
				Heat Pump PTCS Commissioning,	with the PTCS specifications (including the		
403 Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Upgrade	Controls, and Sizing - Heating Zone 1	commssioing, controls and sizing portions).	20	1,152 EA
					Heat Pump must be installed in substantial compliance		
				Heat Pump PTCS Commissioning,	with the PTCS specifications (including the		
404 Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Upgrade	Controls, and Sizing - Heating Zone 2	commssioing, controls and sizing portions).	20	2,036 EA
					Heat Pump must be installed in substantial compliance		
				Heat Pump PTCS Commissioning,	with the PTCS specifications (including the		
405 Res_SFHeatPumpsFY10v2_4	Residential	HVAC	HVAC System Upgrade	Controls, and Sizing - Heating Zone 3	commssioing, controls and sizing portions).	20	2,694 EA
					Pre-existing duct leakage to the outside must be		
					greater than 250 CFM50 or 15 percent of the floor		
				Single Wide (<= 1000 sq. ft.)	area, whichever is less. Duct system must certified to meet PTCS specifications.		
				Manufactured Home Duct Tightness -	meet i res specifications.		
				PTCS Duct Sealing - Heating Zone 1	The "any" case may not be combined in programs using		
406 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	(Average Heating System)	the "single-wide"/"other" cases.	18	1,324
					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		
				Single Wide (<= 1000 sq. ft.)	meet PTCS specifications.		
				Manufactured Home Duct Tightness -			
				PTCS Duct Sealing - Heating Zone 1	The "any" case may not be combined in programs using		
407 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	(Electric FAF Heating System w/CAC)	the "single-wide"/"other" cases.  Pre-existing duct leakage to the outside must be	18	1,496
					greater than 250 CFM50 or 15 percent of the floor		
				Single Wide (<= 1000 sq. ft.)	area, whichever is less. Duct system must certified to		
				Manufactured Home Duct Tightness -	meet PTCS specifications.		
				PTCS Duct Sealing - Heating Zone 1			
408 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	(Electric FAF Heating System w/o CAC)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1.433
400 NesheatingeoomigDateSeamigNii1_v2_4.1	residential	TIVAC	Tivic system opgrade	c.ic,	Pre-existing duct leakage to the outside must be	10	1,433
					greater than 250 CFM50 or 15 percent of the floor		
					area, whichever is less. Duct system must certified to		
				Single Wide (<= 1000 sq. ft.)  Manufactured Home Duct Tightness -	meet PTCS specifications.		
				PTCS Duct Sealing - Heating Zone 1	The "any" case may not be combined in programs using		
409 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	(Electric Heat Pump Heating System)	the "single-wide"/"other" cases.	18	887
					Pre-existing duct leakage to the outside must be		
					greater than 250 CFM50 or 15 percent of the floor		
				Single Wide (<= 1000 sq. ft.)	area, whichever is less. Duct system must certified to meet PTCS specifications.		
				Manufactured Home Duct Tightness -			
				PTCS Duct Sealing - Heating Zone 2	The "any" case may not be combined in programs using		
410 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	(Average Heating System)	the "single-wide"/"other" cases.	18	2,165

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						Measure Life	Annual Savings -	=
<u>Line # Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program  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	(years)	Site (kwh/yr)	<u>UOM</u>
				Single Wide (<= 1000 sq. ft.)	meet PTCS specifications.			
411 ResHeatingCoolingDuctSealingMH v2 4.1	Residential	HVAC	HVAC System Upgrade	Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Electric FAF Heating System w/CAC)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,361	
					Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor			
				Single Wide (<= 1000 sq. ft.)	area, whichever is less. Duct system must certified to			
				Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2	·			
412 ResHeatingCoolingDuctSealingMH v2 4.1	Residential	HVAC	HVAC System Upgrade	(Electric FAF Heating System w/o CAC)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,290	
412 Nest retailing cooling ground colling (11) 172_4.1	Residential		Tivile System Opgrade	Citcy	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor	10	2,230	
				Single Wide (<= 1000 sq. ft.)	area, whichever is less. Duct system must certified to meet PTCS specifications.			
				Manufactured Home Duct Tightness -	•			
413 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	PTCS Duct Sealing - Heating Zone 2 (Electric Heat Pump Heating System)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1,664	
413 NestreatingCoolingDuctSealingWift_V2_4.1	Residential	IIVAC	TIVAC System Opgrade	(Electric ricat rump ricating system)	Pre-existing duct leakage to the outside must be	10	1,004	
					greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to			
				Single Wide (<= 1000 sq. ft.) Manufactured Home Duct Tightness -	meet PTCS specifications.			
414 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	PTCS Duct Sealing - Heating Zone 3 (Average Heating System)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,879	
414 NesneatingCoolingDuctSealingWin_vz_4.1	Residential	HVAC	nvac system opgrade	(Average neating System)	Pre-existing duct leakage to the outside must be	10	2,079	
					greater than 250 CFM50 or 15 percent of the floor			
				Single Wide (<= 1000 sq. ft.)	area, whichever is less. Duct system must certified to meet PTCS specifications.			
				Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3	The "any" case may not be combined in programs using			
415 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	(Electric FAF Heating System w/CAC)	the "single-wide"/"other" cases.	18	3,074	
					Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor			
				Single Wide (<= 1000 sq. ft.)	area, whichever is less. Duct system must certified to			
				Manufactured Home Duct Tightness - PTCS Duct Sealing - Heating Zone 3	meet PTCS specifications.			
				(Electric FAF Heating System w/o	The "any" case may not be combined in programs using			
416 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	CAC)	the "single-wide"/"other" cases. Pre-existing duct leakage to the outside must be	18	3,023	
					greater than 250 CFM50 or 15 percent of the floor			
				Single Wide (<= 1000 sq. ft.)	area, whichever is less. Duct system must certified to meet PTCS specifications.			
				Manufactured Home Duct Tightness -				
417 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	PTCS Duct Sealing - Heating Zone 3 (Electric Heat Pump Heating System)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,324	
417 NesneatingCoolingDuctSealingWin_vz_4.1	Residential	HVAC	TIVAC System Opgrade	(Liectific fleat Fullip fleating System)	Pre-existing duct leakage to the outside must be	10	2,324	
					greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to			
				Other (> 1000 sq. ft.) Manufactured	meet PTCS specifications.			
				Home Duct Tightness - PTCS Duct	The "any" case may not be combined in progress using			
418 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Sealing - Heating Zone 1 (Average Heating System)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1,659	

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program  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	(years)	Site (kwh/yr) UOM
				Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct	meet PTCS specifications.		
419 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	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.	18	1,881
					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		
				Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct	meet PTCS specifications.		
420 PacHastingCoolingDuctSoolingMH v2 4.1	Pacidontial	HVAC	HVAC System Ungrade		The "any" case may not be combined in programs using	18	1 700
420 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Heating System w/o CAC)	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	18	1,799
				Other (> 1000 sq. ft.) Manufactured	meet PTCS specifications.		
				Home Duct Tightness - PTCS Duct Sealing - Heating Zone 1 (Electric	The "any" case may not be combined in programs using		
421 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Heat Pump Heating System)	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	18	1,093
				Other (> 1000 sq. ft.) Manufactured	meet PTCS specifications.		
				Home Duct Tightness - PTCS Duct Sealing - Heating Zone 2 (Average	The "any" case may not be combined in programs using		
422 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Heating System)	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	18	2,641
				Other (> 1000 sq. ft.) Manufactured	meet PTCS specifications.		
				Home Duct Tightness - PTCS Duct			
423 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Sealing - Heating Zone 2 (Electric FAF Heating System w/CAC)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,898
423 Nest retaing cooling processes in given _ 12_4.1	nesidential	Tivice	The System opposite	reating dystem try arter	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor	10	2,030
				Other (> 1000 sq. ft.) Manufactured	area, whichever is less. Duct system must certified to meet PTCS specifications.		
				Home Duct Tightness - PTCS Duct	·		
424 ResHeatingCoolingDuctSealingMH v2 4.1	Residential	HVAC	HVAC System Upgrade	Sealing - Heating Zone 2 (Electric FAF Heating System w/o CAC)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,791
424 RestreatingCoolingDuctSealingWiT_V2_4.1	Residential	IIVAC	TIVAC System Opgrade	Heating System W/O CAC/	Pre-existing duct leakage to the outside must be	10	2,751
					greater than 250 CFM50 or 15 percent of the floor		
				Other (> 1000 sq. ft.) Manufactured	area, whichever is less. Duct system must certified to meet PTCS specifications.		
				Home Duct Tightness - PTCS Duct	·		
425 ResHeatingCoolingDuctSealingMH v2 4.1	Residential	HVAC	HVAC System Upgrade	Sealing - Heating Zone 2 (Electric Heat Pump Heating System)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2.022
425 Restreating cooling Duct Scaling Wil _ v2_4.1	Residential	IIVAC	Trivic System opgrade	react unip fleating system,	Pre-existing duct leakage to the outside must be	10	2,022
					greater than 250 CFM50 or 15 percent of the floor		
				Other (> 1000 sq. ft.) Manufactured	area, whichever is less. Duct system must certified to meet PTCS specifications.		
				Home Duct Tightness - PTCS Duct	·		
426 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Sealing - Heating Zone 3 (Average Heating System)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	3,473

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						Measure Life	Annual Savings	<u></u>
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program  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	(years)	Site (kwh/yr)	<u>UOM</u>
				Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct	meet PTCS specifications.			
427 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Sealing - Heating Zone 3 (Electric FAF Heating System w/CAC)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	3,710	)
					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			
				Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct	meet PTCS specifications.			
428 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Sealing - Heating Zone 3 (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	18	3,645	i
				Other (> 1000 sq. ft.) Manufactured Home Duct Tightness - PTCS Duct	meet PTCS specifications.			
429 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Sealing - Heating Zone 3 (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	18	2,813	
				Any Manufactured Home Duct Tightness - PTCS Duct Sealing -	meet PTCS specifications.			
430 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	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	18	1,543	ı
				Any Manufactured Home Duct Tightness - PTCS Duct Sealing -	area, whichever is less. Duct system must certified to meet PTCS specifications.			
431 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	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	18	1,748	3
				Any Manufactured Home Duct Tightness - PTCS Duct Sealing -	area, whichever is less. Duct system must certified to meet PTCS specifications.			
432 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	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	18	1,672	!
				Any Manufactured Home Duct Tightness - PTCS Duct Sealing -	area, whichever is less. Duct system must certified to meet PTCS specifications.			
433 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	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	18	1,022	!
				Any Manufactured Home Duct Tightness - PTCS Duct Sealing -	meet PTCS specifications.			
434 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Heating Zone 2 (Average Heating System)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,477	,

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						Measure Life	Annual Savings	<u>-</u>
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program  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	(years)	Site (kwh/yr)	<u>UOM</u>
				Any Manufactured Home Duct	meet PTCS specifications.			
435 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Tightness - PTCS Duct Sealing - Heating Zone 2 (Electric FAF Heating System w/CAC)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	2,715	
	ricolacitiai				Pre-existing duct leakage to the outside must be	10	2,713	
					greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to			
				Any Manufactured Home Duct	meet PTCS specifications.			
				Tightness - PTCS Duct Sealing - Heating Zone 2 (Electric FAF Heating	The "any" case may not be combined in programs using			
436 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	System w/o CAC)	the "single-wide"/"other" cases.	18	2,617	
					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			
				Any Manufactured Home Duct	meet PTCS specifications.			
				Tightness - PTCS Duct Sealing -	The "and" area may not be combined in programs using			
437 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Heating Zone 2 (Electric Heat Pump Heating System)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	1,902	
					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			
				Any Manufactured Home Duct	meet PTCS specifications.			
				Tightness - PTCS Duct Sealing -	The "and" area may not be combined in programs using			
438 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Heating Zone 3 (Average Heating System)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	3,267	
0 0 1 1			, , , ,	, ,	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			
				Any Manufactured Home Duct	meet PTCS specifications.			
				Tightness - PTCS Duct Sealing -	The Heaville and the combined in account of			
439 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Heating Zone 3 (Electric FAF Heating System w/CAC)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	3,489	
0 2 2			, , , ,	, ,	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			
				Any Manufactured Home Duct	meet PTCS specifications.			
				Tightness - PTCS Duct Sealing -	The "any" case may not be combined in programs using			
440 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Heating Zone 3 (Electric FAF Heating System w/o CAC)	The "any" case may not be combined in programs using the "single-wide"/"other" cases.	18	3,429	
					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			
				Any Manufactured Home Duct	meet PTCS specifications.			
				Tightness - PTCS Duct Sealing - Heating Zone 3 (Electric Heat Pump	The "any" case may not be combined in programs using			
441 ResHeatingCoolingDuctSealingMH_v2_4.1	Residential	HVAC	HVAC System Upgrade	Heating System)	the "single-wide"/"other" cases.	18	2,645	
				Circle Ferrille DuretTieletere en DTCC	Pre-existing duct leakage to the outside must be			
				Single Family DuctTightness - PTCS Duct Sealing - Heating Zone 1	greater than 250 CFM50 or 15 percent of the floor area, whichever is less. Duct system must certified to			
442 ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	(Average Heating System)	meet PTCS specifications.	20	1,244	
				Single Family DuctTightness - PTCS	Pre-existing duct leakage to the outside must be greater than 250 CFM50 or 15 percent of the floor			
				Duct Sealing - Heating Zone 1 (Electric	area, whichever is less. Duct system must certified to			
443 ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	FAF Heating System w/CAC)	meet PTCS specifications.	20	1,425	

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						Measure Life	Annual Savings	<u>-</u>
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Pre-existing duct leakage to the outside must be	(years)	Site (kwh/yr)	<u>UOM</u>
				Single Family DuctTightness - PTCS	greater than 250 CFM50 or 15 percent of the floor			
				Duct Sealing - Heating Zone 1 (Electric	area, whichever is less. Duct system must certified to			
444 ResSFDuctSealing_v2_3	Residential	HVAC	<b>HVAC System Upgrade</b>	FAF Heating System w/o CAC)	meet PTCS specifications.	20	1,362	
					Pre-existing duct leakage to the outside must be			
				Single Family DuctTightness - PTCS	greater than 250 CFM50 or 15 percent of the floor			
				Duct Sealing - Heating Zone 1 (Electric	area, whichever is less. Duct system must certified to			
445 ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Heat Pump Heating System)	meet PTCS specifications.	20	1,049	
					Pre-existing duct leakage to the outside must be			
				Single Family DuctTightness - PTCS	greater than 250 CFM50 or 15 percent of the floor			
				Duct Sealing - Heating Zone 2	area, whichever is less. Duct system must certified to			
446 ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	(Average Heating System)	meet PTCS specifications.	20	2,111	
				S. 1 5 11 D 17 11 D 77 05	Pre-existing duct leakage to the outside must be			
				Single Family DuctTightness - PTCS	greater than 250 CFM50 or 15 percent of the floor			
447 DesCEDuratCooling v2 2	D!-ltil	111/46	LIVAC Customs Unique de		area, whichever is less. Duct system must certified to	20	2 257	
447 ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	FAF Heating System w/CAC)	meet PTCS specifications.	20	2,257	
				Single Family DuctTightness - PTCS	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			
448 ResSFDuctSealing v2 3	Residential	HVAC	HVAC System Upgrade	FAF Heating System w/o CAC)	meet PTCS specifications.	20	2,176	
448 Ressrbuctsealing_vz_s	Residential	HVAC	nvac system opgrade	FAF Heating System w/o CAC)	Pre-existing duct leakage to the outside must be	20	2,176	
				Single Family DuctTightness - PTCS	greater than 250 CFM50 or 15 percent of the floor			
					area, whichever is less. Duct system must certified to			
449 ResSFDuctSealing v2 3	Residential	HVAC	HVAC System Upgrade	Heat Pump Heating System)	meet PTCS specifications.	20	2,001	
445 Nessi Buciscamig_v2_5	Residential	IIVAC	Tivite System opprade	ricut i unip ricuting systemy	Pre-existing duct leakage to the outside must be	20	2,001	
				Single Family DuctTightness - PTCS	greater than 250 CFM50 or 15 percent of the floor			
				Duct Sealing - Heating Zone 3	area, whichever is less. Duct system must certified to			
450 ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	(Average Heating System)	meet PTCS specifications.	20	2,811	
9				(	Pre-existing duct leakage to the outside must be		_,	
				Single Family DuctTightness - PTCS	greater than 250 CFM50 or 15 percent of the floor			
					area, whichever is less. Duct system must certified to			
451 ResSFDuctSealing v2 3	Residential	HVAC	HVAC System Upgrade	FAF Heating System w/CAC)	meet PTCS specifications.	20	2,903	
					Pre-existing duct leakage to the outside must be			
				Single Family DuctTightness - PTCS	greater than 250 CFM50 or 15 percent of the floor			
				Duct Sealing - Heating Zone 3 (Electric	area, whichever is less. Duct system must certified to			
452 ResSFDuctSealing_v2_3	Residential	HVAC	<b>HVAC System Upgrade</b>	FAF Heating System w/o CAC)	meet PTCS specifications.	20	2,850	
					Pre-existing duct leakage to the outside must be			
				Single Family DuctTightness - PTCS	greater than 250 CFM50 or 15 percent of the floor			
				Duct Sealing - Heating Zone 3 (Electric	area, whichever is less. Duct system must certified to			
453 ResSFDuctSealing_v2_3	Residential	HVAC	HVAC System Upgrade	Heat Pump Heating System)	meet PTCS specifications.	20	2,745	
					Builder or consumer rebate, coupon or other incentive.			
454.0 0511 05000 11 11 4.0	5	5 1 11	Duct System Efficiency	Construction (Baseline=Energy Star	Unit must comply with PTCS Ducts Inside	25	4.050	
454 ResSFNewPTCSDuctsInside_v1_2	Residential	Envelope-New	Upgrade	Duct Sealing) - Heating Zone 1	specifications.	25	1,053	
				DTCC Duete Incide Cingle Family New	Duilder or consumer rebets, course or ether incentive			
			Duct System Efficiency	Construction (Baseline=Energy Star	Builder or consumer rebate, coupon or other incentive. Unit must comply with PTCS Ducts Inside			
455 ResSFNewPTCSDuctsInside v1 2	Posidontial	Envelope-New	Upgrade	Duct Sealing) - Heating Zone 2	specifications.	25	2.007	
433 Nessi New Picsbactsiliside_v1_2	Residential	Livelope-ivew	Opgrade	Duct Sealing) - Heating Zone Z	specifications.	23	2,007	
				PTCS Ducts Inside - Single Family New	Builder or consumer rebate, coupon or other incentive.			
			Duct System Efficiency	Construction (Baseline=Energy Star	Unit must comply with PTCS Ducts Inside			
456 ResSFNewPTCSDuctsInside v1 2	Residential	Envelope-New	Upgrade	Duct Sealing) - Heating Zone 3	specifications.	25	3,012	
			,0	5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5			3,012	
				PTCS Ducts Inside - Single Family New	Builder or consumer rebate, coupon or other incentive.			
			Duct System Efficiency	Construction (Baseline=Unsealed	Unit must comply with PTCS Ducts Inside			
457 ResSFNewPTCSDuctsInside_v1_2	Residential	Envelope-New	Upgrade	Ducts) - Heating Zone 1	specifications.	25	1,922	

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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	5 3,677
459 ResSFNewPTCSDuctsInside_v1_2	Residential	Envelope-New	Duct System Efficiency Upgrade	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 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	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 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion		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	0 5,992 EA
462 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	Zone 3 Existing Single Family Home HVAC	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	0 6,097 EA
463 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion		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 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	12.0 HSPF/18 SEER Variable Speed Heat Pump - heating zone 2 - Cooling	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 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion		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 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion		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 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion		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 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	Zone 3 Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to	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	0 10,011 EA
469 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion		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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						Measure Life	<b>Annual Savings</b>	<u>: -</u>
Line # Reference	<u>Sector</u>	<u>Category</u>	Subcategory	Procost Full Measure Name Existing Single Family Home HVAC Conversion - Convert FAF w/o CAC to	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
				Heat Pump - Heating Zone 1 - Cooling	SEER, be variable speed, be new, and be installed in			
470 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	<b>HVAC System Conversion</b>	Zone 2	substantial compliance with PTCS specifications.	20	5,202	2 EA
				Existing Single Family Home HVAC				
				Conversion - Convert FAF w/o CAC to				
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
					SEER, be variable speed, be new, and be installed in			
471 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	<b>HVAC System Conversion</b>		substantial compliance with PTCS specifications.	20	4,814	I EA
				Existing Single Family Home HVAC				
				Conversion - Convert FAF w/o CAC to				
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
472 PasCEVariableChandUPConversion 11	Residential	11)/AC	LIVAC Custom Conversion		SEER, be variable speed, be new, and be installed in	20	7,988	
472 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion	Existing Single Family Home HVAC	substantial compliance with PTCS specifications.	20	7,988	S EA
				Conversion - Convert FAF w/o CAC to				
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
					SEER, be variable speed, be new, and be installed in			
473 ResSFVariableSpeedHPConversion v1	Residential	HVAC	HVAC System Conversion	Zone 2	substantial compliance with PTCS specifications.	20	7,695	S FA
				Existing Single Family Home HVAC			,	
				Conversion - Convert FAF w/o CAC to				
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
				Heat Pump - Heating Zone 2 - Cooling	SEER, be variable speed, be new, and be installed in			
474 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	<b>HVAC System Conversion</b>	Zone 3	substantial compliance with PTCS specifications.	20	7,306	5 EA
				Existing Single Family Home HVAC				
				Conversion - Convert FAF w/o CAC to				
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
					SEER, be variable speed, be new, and be installed in			
475 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	HVAC System Conversion		substantial compliance with PTCS specifications.	20	9,405	5 EA
				Existing Single Family Home HVAC				
				Conversion - Convert FAF w/o CAC to 12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
					SEER, be variable speed, be new, and be installed in			
476 ResSFVariableSpeedHPConversion v1	Residential	HVAC	HVAC System Conversion		substantial compliance with PTCS specifications.	20	9,115	FΔ
470 Nessi vanasiespeedin conversion_v1	residential	111110	Title bystem conversion	Existing Single Family Home HVAC	substantial compliance with 1 100 specimeations.	20	3,113	, ,,
				Conversion - Convert FAF w/o CAC to				
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
				Heat Pump - Heating Zone 3 - Cooling	SEER, be variable speed, be new, and be installed in			
477 ResSFVariableSpeedHPConversion_v1	Residential	HVAC	<b>HVAC System Conversion</b>	Zone 3	substantial compliance with PTCS specifications.	20	8,728	B EA
				Existing Single Family Home HVAC				
				Upgrade - Heat Pump Upgrade to				
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
				Heat Pump - Heating Zone 1 - Cooling				
478 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Zone 1	substantial compliance with PTCS specifications.	20	980	) EA
				Existing Single Family Home HVAC				
				Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
				•	SEER, be variable speed, be new, and be installed in			
479 ResSFVariableSpeedHPUpgrade v1	Residential	HVAC	HVAC Upgrade	Zone 2	substantial compliance with PTCS specifications.	20	1,059	) FA
475 Nessi variablespectarii opgrade_vi	residential	111110	тиле орыше	Existing Single Family Home HVAC	Substantial compliance with Free specifications.	20	1,055	, ,,
				Upgrade - Heat Pump Upgrade to				
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
				Heat Pump - Heating Zone 1 - Cooling				
480 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Zone 3	substantial compliance with PTCS specifications.	20	1,164	I EA

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						Measure Life	Annual Savings	<u>-</u>
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name Existing Single Family Home HVAC Upgrade - Heat Pump Upgrade to	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>uom</u>
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
				Heat Pump - Heating Zone 2 - Cooling	SEER, be variable speed, be new, and be installed in			
481 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Zone 1	substantial compliance with PTCS specifications.	20	1,559	EA
				Existing Single Family Home HVAC				
				Upgrade - Heat Pump Upgrade to				
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
482 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Zone 2	SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,638	ΕΛ
402 Nessi Variablespeedi ir Opgrade_VI	Residential	TIVAC	TIVAC Opgrade	Existing Single Family Home HVAC	substantial compliance with 1 165 specifications.	20	1,038	LA
				Upgrade - Heat Pump Upgrade to				
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
				Heat Pump - Heating Zone 2 - Cooling	SEER, be variable speed, be new, and be installed in			
483 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Zone 3	substantial compliance with PTCS specifications.	20	1,742	EA
				Existing Single Family Home HVAC				
				Upgrade - Heat Pump Upgrade to	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
484 ResSFVariableSpeedHPUpgrade v1	Residential	HVAC	HVAC Upgrade	Zone 1	SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	2,157	FΛ
404 Ressi variablespecurii opgrade_vi	Residential	IIVAC	TIVAC Opgrade	Existing Single Family Home HVAC	substantial compliance with 1 res specifications.	20	2,137	LA
				Upgrade - Heat Pump Upgrade to				
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18			
				Heat Pump - Heating Zone 3 - Cooling	SEER, be variable speed, be new, and be installed in			
485 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Zone 2	substantial compliance with PTCS specifications.	20	2,238	EA
				Existing Single Family Home HVAC				
				Upgrade - Heat Pump Upgrade to	Heat arrange and arrange arrange and 42 HCDF /40			
				12.0 HSPF/18 SEER Variable Speed	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in			
486 ResSFVariableSpeedHPUpgrade v1	Residential	HVAC	HVAC Upgrade	Zone 3	substantial compliance with PTCS specifications.	20	2,345	FΔ
400 Nessi variablespecarii opgrade_vi	residential	TIVAC	Tivite oppidae	New Construction Single Family	substantial compliance with 1 res specifications.	20	2,545	E/1
				Home HVAC Upgrade - Heat Pump				
				Upgrade to 12.0 HSPF/18 SEER	Heat pump system must meet or exceed 12 HSPF / 18			
				Variable Speed Heat Pump - Heating	SEER, be variable speed, be new, and be installed in			
487 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Zone 1 - Cooling Zone 1	substantial compliance with PTCS specifications.	20	831	EA
				New Construction Single Family				
				Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER	Heat pump system must meet or exceed 12 HSPF / 18			
				Variable Speed Heat Pump - Heating	SEER, be variable speed, be new, and be installed in			
488 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Zone 1 - Cooling Zone 2	substantial compliance with PTCS specifications.	20	904	EA
				New Construction Single Family				
				Home HVAC Upgrade - Heat Pump				
				Upgrade to 12.0 HSPF/18 SEER	Heat pump system must meet or exceed 12 HSPF / 18			
400 DesCD/cutshleConnellUDH county a	Danisla astal	111/46	11) /A C 11 = === d =	Variable Speed Heat Pump - Heating	SEER, be variable speed, be new, and be installed in	20	1 003	F.4
489 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Zone 1 - Cooling Zone 3 New Construction Single Family	substantial compliance with PTCS specifications.	20	1,002	EA
				Home HVAC Upgrade - Heat Pump				
				Upgrade to 12.0 HSPF/18 SEER	Heat pump system must meet or exceed 12 HSPF / 18			
				Variable Speed Heat Pump - Heating	SEER, be variable speed, be new, and be installed in			
490 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Zone 2 - Cooling Zone 1	substantial compliance with PTCS specifications.	20	1,325	EA
				New Construction Single Family				
				Home HVAC Upgrade - Heat Pump				
				Upgrade to 12.0 HSPF/18 SEER	Heat pump system must meet or exceed 12 HSPF / 18			
491 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Variable Speed Heat Pump - Heating Zone 2 - Cooling Zone 2	SEER, be variable speed, be new, and be installed in substantial compliance with PTCS specifications.	20	1,397	FΛ
491 Messi variablespecarii opgrade_vi	nesidential	TIVAC	TIVAC OPERAUC	Lone Z - Cooming Lone Z	substantial compliance with FTCS specifications.	20	1,397	LA

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name  New Construction Single Family  Home HVAC Upgrade - Heat Pump	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
				Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating	Heat pump system must meet or exceed 12 HSPF / 18 SEER, be variable speed, be new, and be installed in		
492 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Zone 2 - Cooling Zone 3 New Construction Single Family Home HVAC Upgrade - Heat Pump	substantial compliance with PTCS specifications.	20	1,492 EA
493 ResSFVariableSpeedHPUpgrade_v1	Residential	HVAC	HVAC Upgrade	Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 3 - Cooling Zone 1 New Construction Single Family	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	Home HVAC Upgrade - Heat Pump Upgrade to 12.0 HSPF/18 SEER Variable Speed Heat Pump - Heating Zone 3 - Cooling Zone 2 New Construction Single Family	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	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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						Measure Life	Annual Savings -
Line # Reference	Sector	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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.  Documented direct installation. Unit must comply with	15	49 EA
508 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Any Exterior Direct Install	- Energy Star specifications and wattage must be more than 5 Watts. Documented direct installation. Unit must comply with	3	58 EA
509 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Any Interior - Direct Install	Energy Star specifications and wattage must be more than 5 Watts.  Documented direct installation. Unit must comply with	6	20 EA
510 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Bathroom - Direct Install	Energy Star specifications and wattage must be more than 5 Watts.  Documented direct installation. Unit must comply with	4	16 EA
511 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Bedroom - Direct Install	Energy Star specifications and wattage must be more than 5 Watts.  Documented direct installation. Unit must comply with	6	21 EA
512 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Dining - Direct Install	Energy Star specifications and wattage must be more than 5 Watts.  Documented direct installation. Unit must comply with	8	21 EA
513 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Garage - Direct Install	Energy Star specifications and wattage must be more than 5 Watts.  Documented direct installation. Unit must comply with	9	16 EA
514 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Hall/Entrance - Direct Install	Energy Star specifications and wattage must be more than 5 Watts.  Documented direct installation. Unit must comply with	8	15 EA
515 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Kitchen - Direct Install	Energy Star specifications and wattage must be more than 5 Watts.  Documented direct installation. Unit must comply with	5	32 EA
516 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Living Room - Direct Install	Energy Star specifications and wattage must be more than 5 Watts.  Documented direct installation. Unit must comply with	7	29 EA
517 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Office - Direct Install	Energy Star specifications and wattage must be more than 5 Watts.  Documented direct installation. Unit must comply with	7	20 EA
518 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Other - Direct Install	Energy Star specifications and wattage must be more than 5 Watts.	8	18 EA

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						Measure Life	<b>Annual Saving</b>	
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Documented direct installation. Unit must comply with	(years)	Site (kwh/yr)	<u>UOM</u>
519 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	Energy Star Lamp/Bulb - Weighted Average All - Direct Install	Energy Star specifications and wattage must be more than 5 Watts.	5	2	3 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	6	0 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	2	1 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	1	6 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	2	1 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	2	2 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	1	7 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	1	6 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	3	3 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	3	0 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	2	1 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	1	9 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	2	4 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	1	6 EA

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Part   Reference   Part   Refe							Measure Life	Annual Savings -
Comparison   Com	Line # Reference	Sector	Category	<u>Subcategory</u>	Procost Full Measure Name	Documented requested or non-requested mail	<u>(years)</u>	Site (kwh/yr) UOM
Part						account per mailing. Unit must comply with Energy		
PRENONTALLED RELIAL AND DOWN TYPES - 2 Clauses  152 Resideroidal Lighting  153 Resideroidal Lighting  154 Resideroidal Lighting  155 Resideroidal Lighting  155 Resideroidal Lighting  156 Resideroidal Lighting  157 Resideroidal Lighting  158 Resideroidal Lighting  158 Resideroidal Lighting  159 Resideroidal Lighting  150 Resideroidal Lighting					Energy Star Lamp/Bulb - Any - Direct	Star specifications and wattage must be more than 5		
Percentage   Lighting   Lampy/fulls   Lamp	533 ResCFLLighting_v2_2	Residential	Lighting	Lamps/Bulbs	mail	Watts.	6	15 EA
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Types _2600 Lumens other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail 12 57 EA  FastEDLighting_v2 Residential Lighting Lamps/Bulbs ENERGYSTAR LED Retail_All Room Types _250 Lumens  FastEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative ENERGYSTAR LED Retail_All Room Types _490 Lumens  FastEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative ENERGYSTAR LED Retail_All Room Types _490 Lumens  FastEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail 12 9 EA  ENERGYSTAR LED Retail_All Room Types _490 Lumens  FastEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail 0 0 - EA  ENERGYSTAR LED Retail_All Room Types _480 Lumens  FastEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail 0 0 - EA  ENERGYSTAR LED Retail_All Room Types _480 Lumens  FastEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail 0 0 - EA  ENERGYSTAR LED Retail_All Room Types _1190 Lumens  FastEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail 0 0 - EA  ENERGYSTAR LED Retail_All Room Types _1190 Lumens  FastEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Types _1190 Lumens  FastEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Types _1690 Lumens  FastEDLighting_v2 Retail 0 - EA  ENERGYSTAR LED Retail_All Room Types _1690 Lumens  FastEDLighting_v2 Retail 0 - EA  ENERGYSTAR LED Retail_All Room Types _1690 Lumens  FastEDLighting_v2 Retail 0 - EA  ENERGYSTAR LED Retail_All Room Types _1690 Lumens  FastEDLighting_v2 Retail 0 - EA  ENERGYSTAR LED Retail_All Room Types _1690 Lumens  FastEDLighting_v2 Retail 0 - EA  ENERGYSTAR LED Retail_All Room Types _1690 Lumens	344 Restedlighting_vz	Residential	Lighting	Lattips/ Buibs	. –		12	33 EA
S45 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Directional ENERGYSTRA LED Retail_All Room Types _1690 Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail 12 57 EA ENERGYSTRA LED Retail_All Room Other incentive. Unit must comply with Energy Star  546 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail 12 9 EA ENERGYSTRA LED Retail_All Room Types _490 Lumens Other incentive. Unit must comply with Energy Star Star Incentive. Unit must comply with Energy Star Incentive. Un					<del>-</del>	·		
ENERGYSTAR LED Retail_All Room Types_250 Lumens  546 ResLEDLighting_v2  Residential Lighting Lamps/Bulbs ENERGYSTAR LED Retail_All Room Types_250 Lumens  ENERGYSTAR LED Retail_All Room Anufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail 12 9 EA  ENERGYSTAR LED Retail_All Room Types_490 Lumens other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star spe	545 Rest FDI ighting v2	Residential	Lighting	Lamps/Bulbs			12	57 FA
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S46 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs ENERGYSTAR LED Retail_All Room Types_490 Lumens Types_490 Lumens Types_840 Lumens Types_1190 Lumens Types					<del>-</del>			
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547 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative ENERGYSTAR LED Retail_All Room Types_840 Lumens S48 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail One other incentive. Unit must comply with Energy Star S48 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail One other incentive. Unit must comply with Energy Star S49 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail One other incentive. Unit must comply with Energy Star S49 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail One other incentive. Unit must comply with Energy Star S49 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail One other incentive. Unit must comply with Energy Star S49 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative Specifications. Delivery by: Retail One other incentive. Unit must comply with Energy Star	0 02		0 0	• •	. –			
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Types_840 Lumens other incentive. Unit must comply with Energy Star  Types_840 Lumens other incentive. Unit must comply with Energy Star  False ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Types_1190 Lumens other incentive. Unit must comply with Energy Star  False ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Midpoint_Decorative specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Types_1690 Lumens other incentive. Unit must comply with Energy Star	547 ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	Midpoint_Decorative	specifications. Delivery by: Retail	0	- EA
548 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative specifications. Delivery by: Retail  ENERGYSTAR LED Retail_All Room Types _1190 Lumens other incentive. Unit must comply with Energy Star  549 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative specifications. Delivery by: Retail O - EA  ENERGYSTAR LED Retail_All Room Midpoint_Decorative specifications. Delivery by: Retail O - EA  ENERGYSTAR LED Retail_All Room Manufacturer, retailer or consumer rebate, coupon or Types _1690 Lumens other incentive. Unit must comply with Energy Star					ENERGYSTAR LED Retail_All Room	Manufacturer, retailer or consumer rebate, coupon or		
ENERGYSTAR LED Retail_All Room Types _1190 Lumens Other incentive. Unit must comply with Energy Star  549 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star  Types_1690 Lumens other incentive. Unit must comply with Energy Star					Types _840 Lumens	other incentive. Unit must comply with Energy Star		
Types _1190 Lumens other incentive. Unit must comply with Energy Star  549 ResLEDLighting_v2 Residential Lighting Lamps/Bulbs Midpoint_Decorative specifications. Delivery by: Retail 0 - EA  ENERGYSTAR LED Retail_All Room Manufacturer, retailer or consumer rebate, coupon or  Types _1690 Lumens other incentive. Unit must comply with Energy Star	548 ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	_	specifications. Delivery by: Retail	0	- EA
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Types _1690 Lumens other incentive. Unit must comply with Energy Star	549 ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	. –		0	- EA
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Sour Resterning_vz Residential Lighting Lamps/Builos Midpoint_Decorative specifications. Delivery by: Retail 0 - EA	FFO Deal FDI inhibition 1/2	Danid +! !	Liebtine	Lamana /Dull			^	F.A.
	220 VG2FENTIBLIFLIA	residential	Lignting	Lamps/BuiDS	wiidpoint_Decorative	specifications. Delivery by: Retail	0	- EA

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							Annual Savin	
Line # Reference	Sector	Category	Subcategory	Procost Full Measure Name ENERGYSTAR LED Retail_All Room Types _2600 Lumens	Delivery Mechanism or Program  Manufacturer, retailer or consumer rebate, coupon or other incentive. Unit must comply with Energy Star	(years)	Site (kwh/y	
551 ResLEDLighting_v2	Residential	Lighting	Lamps/Bulbs	Midpoint_Decorative	specifications. Delivery by: Retail	(	-	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	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	2	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	2	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	3	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	3	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.	(	5	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	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	3	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

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						Measure Life	Annual Savings -
Line # Reference	Sector	Category	Subcategory	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u> Documented direct installation. Unit must comply with	(years)	Site (kwh/yr) UOM
563 ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Direct Install_Dimmable	Energy Star specifications and wattage must be more than 5 Watts.  Documented direct installation. Unit must comply with	7	27 EA
564 ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Direct Install_CC Candelabra - decorative	Energy Star specifications and wattage must be more than 5 Watts.  Documented direct installation. Unit must comply with	12	11 EA
565 ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	CFL Direct Install_CC Candelabra - primary	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		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 direct installation. Unit must comply with Energy Star specifications and wattage must be more than 5 Watts.	7	21 EA
					Documented requested mail delivery. Unit must comply with Energy Star specifications and wattage		
572 ResSpecialtyCFL_v1_3	Residential	Lighting	Lamps/Bulbs	Direct Mail_Any Specialty CFL Energy Star Home in Washington with Gas Furnace and CAC - Envelope	must be more than 5 Watts.	7	16 EA
573 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Option - Heating Zone 1 Cooling Zone 1 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,062 Home
574 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	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
				Energy Star Home in Washington with Gas Furnace and CAC - Envelope Option - Heating Zone 1 Cooling Zone	Home Must Certified under the Northwest Energy Star		
575 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	3 Energy Star Home in Washington with Gas Furnace and CAC - Envelope	Program & Specifications	13	1,105 Home
576 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Option - Heating Zone 2 Cooling Zone 1 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	12	995 Home
577 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	2 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,010 Home
578 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	3 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	14	1,038 Home
579 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	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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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
				Energy Star Home in Washington			
				with Gas Furnace and CAC - Envelope			
580 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	952 Home
555 Nessiew54/Nessee/17/2/2/2	ricolacitia	ziivelope iveli	Energy star frome	Energy Star Home in Washington	. rogiam a opermentions		332 1101110
				with Gas Furnace and CAC - Envelope			
					Home Must Certified under the Northwest Energy Star		
581 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	3	Program & Specifications	14	980 Home
				Energy Star Home in Washington with Gas Furnace and CAC - Duct			
					Home Must Certified under the Northwest Energy Star		
582 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	1	Program & Specifications	12	1,044 Home
- <del>-</del>		•	0,	Energy Star Home in Washington			•
				with Gas Furnace and CAC - Duct			
					Home Must Certified under the Northwest Energy Star		
583 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	2	Program & Specifications	12	1,059 Home
				Energy Star Home in Washington with Gas Furnace and CAC - Duct			
					Home Must Certified under the Northwest Energy Star		
584 ResNewBuiltGreenWA v2 1	Residential	Envelope - New	Energy Star Home	3	Program & Specifications	13	1,094 Home
			3, 444	Energy Star Home in Washington	, , , , , , , , , , , , , , , , , , ,		,
				with Gas Furnace and CAC - Duct			
					Home Must Certified under the Northwest Energy Star		
585 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	1	Program & Specifications	12	980 Home
				Energy Star Home in Washington with Gas Furnace and CAC - Duct			
					Home Must Certified under the Northwest Energy Star		
586 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	2	Program & Specifications	12	995 Home
			3, 444	Energy Star Home in Washington	, , , , , , , , , , , , , , , , , , ,		
				with Gas Furnace and CAC - Duct			
					Home Must Certified under the Northwest Energy Star		
587 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	3	Program & Specifications	14	1,030 Home
				Energy Star Home in Washington with Gas Furnace and CAC - Duct			
					Home Must Certified under the Northwest Energy Star		
588 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	1	Program & Specifications	12	924 Home
- <del>-</del>		•	0,	Energy Star Home in Washington			
				with Gas Furnace and CAC - Duct			
					Home Must Certified under the Northwest Energy Star		
589 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	2	Program & Specifications	13	939 Home
				Energy Star Home in Washington with Gas Furnace and CAC - Duct			
					Home Must Certified under the Northwest Energy Star		
590 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	3	Program & Specifications	14	974 Home
				Energy Star Home in Washington			
				with Gas Furnace and CAC - DHW			
FOA Dealless Deith Cree and MA v. 2. 4	D!-! +!-!	Formalisma Name	Farana Chan Hanna		Home Must Certified under the Northwest Energy Star	10	006 11
591 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	1 Energy Star Home in Washington	Program & Specifications	10	996 Home
				with Gas Furnace and CAC - DHW			
					Home Must Certified under the Northwest Energy Star		
592 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	2	Program & Specifications	10	984 Home
				Energy Star Home in Washington			
				with Gas Furnace and CAC - DHW	Harris March Contiffed and death a Northwest 5		
593 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Option - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	9	975 Home
333 Academbalicarcenteri_v2_1	nesidential	z.ivciope - ivew	zergy star frome	5	. 10g. a.m & Specimentions	9	373 Home

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						Measure Life	Annual Savings	<u>s -</u>
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name Energy Star Home in Washington with Gas Furnace and CAC - DHW	Delivery Mechanism or Program	(years)	Site (kwh/yr)	<u>UOM</u>
					Home Must Certified under the Northwest Energy Star			
594 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	1 Energy Star Home in Washington with Gas Furnace and CAC - DHW	Program & Specifications	10	921	1 Home
					Home Must Certified under the Northwest Energy Star			
595 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	2	Program & Specifications	9	909	9 Home
				Energy Star Home in Washington with Gas Furnace and CAC - DHW	Home Must Certified under the Northwest Energy Star			
596 ResNewBuiltGreenWA v2 1	Residential	Envelope - New	Energy Star Home	3	Program & Specifications	9	900	) Home
		·		Energy Star Home in Washington with Gas Furnace and CAC - DHW				
					Home Must Certified under the Northwest Energy Star			
597 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	1 Energy Star Home in Washington	Program & Specifications	10	854	4 Home
				with Gas Furnace and CAC - DHW				
					Home Must Certified under the Northwest Energy Star			
598 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	2 Energy Star Home in Washington	Program & Specifications	9	842	2 Home
				with Gas Furnace and CAC - DHW				
					Home Must Certified under the Northwest Energy Star			
599 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	3	Program & Specifications	9	833	3 Home
				Energy Star Home in Washington				
				with Heat Pump - Envelope Option -	Home Must Certified under the Northwest Energy Star			
600 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 1	Program & Specifications	25	2,178	3 Home
				Energy Star Home in Washington				
				with Heat Pump - Envelope Option -	Home Must Certified under the Northwest Energy Star			
601 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 2	Program & Specifications	25	2,213	3 Home
				Energy Star Home in Washington				
				with Heat Pump - Envelope Option -	Home Must Certified under the Northwest Energy Star			
602 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 3	Program & Specifications	26	2,250	) Home
				Energy Star Home in Washington				
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603 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Heating Zone 2 Cooling Zone 1	Program & Specifications	31	2,473	5 Home
				Energy Star Home in Washington				
604 ResNewBuiltGreenWA_v2_1	Pocidontial	Envelope - New	Energy Star Home	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
004 ResinewbuiltGreenWA_v2_1	Residential	Elivelope - New	Ellergy Star Hollie	neating zone 2 Cooling zone 2	Program & specifications	21	2,510	л поше
				Energy Star Home in Washington				
605 ResNewBuiltGreenWA v2 1	Recidential	Envelope - New	Energy Star Home	with Heat Pump - Envelope Option - Heating Zone 2 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	31	2 5/1	7 Home
005 Nesivewbulkareeliwa_v2_1	Residential	Livelope - New	Energy Star Home	ricating zone z cooming zone 3	Trogram & Specifications	51	2,547	rionic
				Energy Star Home in Washington				
606 ResNewBuiltGreenWA v2 1	Recidential	Envelope - New	Energy Star Home	with Heat Pump - Envelope Option - Heating Zone 3 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	34	2 8/19	3 Home
333 hastenbulkareelinin_v2_1	nesidential	Z.Welope - New	5.61 500. 1101110			54	2,040	
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607 ResNewBuiltGreenWA v2 1	Residential	Envelope - New	Energy Star Home	with Heat Pump - Envelope Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	34	2 883	3 Home
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Part					Energy Star Home in Washington				
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Ministration   Mini	609 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 1	Program & Specifications	27	2,379	Home
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Energy Star Home in Washington with Heat Pump - DHW Option - Heating Sone 2 Cooling Zone 3 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Sone 2 Cooling Zone 3 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Sone 2 Cooling Zone 3 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington wit					with Heat Pump - DHW Option -	Home Must Certified under the Northwest Energy Star			
With Heat Pump - DHW Option - Heating Zone 1 Cooling Zone 3 Energy Star Home   Heating Zone 1 Cooling Zone 3 Energy Star Home in Washingtone WA_v2_1   Residential   Envelope - New   Energy Star Home   Heating Zone 2 Cooling Zone 1   Envelope - New   Energy Star Home   Heating Zone 2 Cooling Zone 1   Envelope - New   Energy Star Home   Heating Zone 2 Cooling Zone 1   Envelope - New   Energy Star Home   With Heat Pump - DHW Option-   Heating Zone 2 Cooling Zone 1   Envelope - New   Energy Star Home   With Heat Pump - DHW Option-   Heating Zone 2 Cooling Zone 2   Program & Specifications   21   3,025   Home   Must Certified under the Northwest Energy Star Home   Home Must Certified	619 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 2	Program & Specifications	18	3,013	Home
Residential Envelope - New Energy Star Home   Heating Zone 1 Cooling Zone 3   Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 1   Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 1   Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 1   Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2   Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2   Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Program & Specifications   21   3,037 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   21   3,037 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   21   3,039 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   21   3,039 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   21   3,039 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   21   3,039 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   21   3,039 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   23   3,116 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   23   3,128 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   23   3,128 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   23   3,128 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   23   3,128 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   23   3,128 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   23   3,128 Home   Home Must Certified under the Northwest Energy Star Program & Specifications   23									
Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home   Home Must Certified under the Northwest Energy Star Home   Program & Specifications   21   3,025   Home   Heating Zone 2 Cooling Zone 2   Program & Specifications   21   3,025   Home   Heating Zone 2 Cooling Zone 2   Program & Specifications   21   3,025   Home   Home Must Certified under the Northwest Energy Star Home   Home Must									
Residential Envelope - New   Energy Star Home   Heating Zone 2 Cooling Zone 2   Program & Specifications   Program & Specificat	620 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home		Program & Specifications	18	3,015	Home
Residential Envelope - New Energy Star Home Energy Star Home with Heat pump - DHW Option - Heating Zone 2 Cooling Zone 1 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Program & Specifications 21 3,025 Home Program & Specifications 21 3,037 Home Must Certified under the Northwest Energy Star Home Must Certified under the Northwest Energ						Home Must Contified under the Northwest France Ctor			
Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 3 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 3 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 3 Cooling Zone 3 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 3 Cooling Zone 1 Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 3 Cooling Zone 1 Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the North	621 PacNawPuiltGroomWA v2 1	Posidontial	Envolono Nove	Enorgy Star Homo	· · ·		21	2.025	Homo
With Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Forgram & Specifications 21 3,037 Home  Residential Envelope - New Energy Star Home  Energy Star Home in Washington with Heat Pump - DHW Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star  Forgram & Specifications 21 3,037 Home  Home Must Certified under the Northwest Energy Star  Forgram & Specifications 21 3,037 Home  Forgram & Specifications 21 3,039 Home  For	021 NesivewbuiltGreenwa_v2_1	Nesidelitiai	Livelope - New	Lifergy Star Frome		riogram & Specifications	21	3,023	Home
Residential Envelope - New Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest					•,	Home Must Certified under the Northwest Energy Star			
Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star  Residential Envelope - New Energy Star Home  Energy Star Home in Washington with Heat Pump - DHW Option - With Heat Pump - DHW Optio	622 ResNewBuiltGreenWA v2 1	Residential	Envelope - New	Energy Star Home			21	3,037	Home
Residential Envelope - New Energy Star Home Heating Zone 2 Cooling Zone 3 Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home in Washington with Heat Pump - DHW O			·		Energy Star Home in Washington				
Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Program & Specifications 23 3,116 Home Must Certified under the Northwest Energy Star Home Program & Specifications 23 3,116 Home Must Certified under the Northwest Energy Star Home Program & Specifications 23 3,116 Home Must Certified under the Northwest Energy Star Home Must Certified under the Northwest Energy Star Home Program & Specifications 23 3,128 Home Must Certified under the Northwest Energy Star Home Program & Specifications 23 3,128 Home Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home Program & Specifications 4 3,128 Home Energy Star Home Must Certified under the Northwest Energy Star Home Must					with Heat Pump - DHW Option -	Home Must Certified under the Northwest Energy Star			
with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star  Residential Envelope - New Energy Star Home Heating Zone 3 Cooling Zone 1 Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star  Residential Envelope - New Energy Star Home Heating Zone 3 Cooling Zone 1 Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star  Heating Zone 3 Cooling Zone 2 Foregram & Specifications 23 3,128 Home  Heating Zone 3 Cooling Zone 2 Foregram & Specifications 23 3,128 Home  Energy Star Home in Washington with Heat Pump - DHW Option - With Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star	623 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Heating Zone 2 Cooling Zone 3	Program & Specifications	21	3,039	Home
Residential Envelope - New Energy Star Home Heating Zone 3 Cooling Zone 1 Forgram & Specifications 23 3,116 Home Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star  Residential Envelope - New Energy Star Home Heating Zone 3 Cooling Zone 1 Forgram & Specifications 23 3,116 Home Must Certified under the Northwest Energy Star Program & Specifications 23 3,116 Home Home Must Certified under the Northwest Energy Star Program & Specifications 23 3,116 Home Finergy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star Home Must Certified under the Northwest Energy Star									
Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star  625 ResNewBuiltGreenWA_v2_1 Residential Envelope - New Energy Star Home Heating Zone 3 Cooling Zone 2 Program & Specifications 23 3,128 Home  Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star									
with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star  625 ResNewBuiltGreenWA_v2_1 Residential Envelope - New Energy Star Home Heating Zone 3 Cooling Zone 2 Program & Specifications 23 3,128 Home  Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star	624 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home		Program & Specifications	23	3,116	Home
625 ResNewBuiltGreenWA_v2_1 Residential Envelope - New Energy Star Home Heating Zone 3 Cooling Zone 2 Program & Specifications 23 3,128 Home Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star						Homo Must Cartified under the Northwest Engage Star			
Energy Star Home in Washington with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star	625 ResNewBuiltGreenWA v2 1	Residential	Envelone - Now	Energy Star Homo			າວ	2 120	Homo
with Heat Pump - DHW Option - Home Must Certified under the Northwest Energy Star	025 Nesivewbulltoreeliwa_v2_1	residential	rivelope - New	LIICIBY Stat Hollic		riogram & Specifications	23	3,120	HOITIE
						Home Must Certified under the Northwest Energy Star			
	626 ResNewBuiltGreenWA_v2 1	Residential	Envelope - New	Energy Star Home		•,	23	3,130	Home
	_				-				

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings Site (kwh/yr)	
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	B 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	l 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	5 Home
		·	-	Energy Star Home in Idaho or Montana with Gas Furnace and CAC -	Home Must Certified under the Northwest Energy Star			
630 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 1	Program & Specifications	16	548	3 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	6 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	7 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	5 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	3 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 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	24	770	) Home
639 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 1 Cooling Zone 1 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	36	3,555	5 Home
640 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 1 Cooling Zone 2 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	36	3,633	B Home
641 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 1 Cooling Zone 3 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	37	3,778	3 Home
642 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 2 Cooling Zone 1 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	39	5,266	6 Home
643 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 2 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	39	5,344	I Home

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						Measure Life Annual Savings -		<u>s -</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	<u>Procost Full Measure Name</u> Energy Star Home in Idaho or	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
644 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 2 Cooling Zone 3 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	39	5,489	9 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 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,710	0 Home
646 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 3 Cooling Zone 2 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,787	7 Home
647 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 3 Cooling Zone 3 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,932	2 Home
648 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Montana with Gas Furnace and no CAC - Heating Zone 1 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	13	504	4 Home
649 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Montana with Gas Furnace and no CAC - Heating Zone 2 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	17	561	1 Home
650 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Energy Star Home	Montana with Gas Furnace and no CAC - Heating Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	19	609	9 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	4 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	3 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	3 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	1 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	0 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	0 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	0 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	9 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	898	9 Home

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						Measure Life Annual Savings -		<u>i-</u>
<u>Line # Reference</u>	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name Built Green 3 Star Home in	Delivery Mechanism or Program	(years)	Site (kwh/yr)	<u>UOM</u>
				Washington with Heat Pump -	Home Must Certified under the Built Green Program			
660 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Heating Zone 1 Cooling Zone 1 Built Green 3 Star Home in	and Specifications in Washington State	8	1,162	! Home
				Washington with Heat Pump -	Home Must Certified under the Built Green Program			
661 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Heating Zone 1 Cooling Zone 2 Built Green 3 Star Home in	and Specifications in Washington State	7	1,125	Home
				Washington with Heat Pump -	Home Must Certified under the Built Green Program			
662 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Heating Zone 1 Cooling Zone 3 Built Green 3 Star Home in	and Specifications in Washington State	5	1,065	Home
				Washington with Heat Pump -	Home Must Certified under the Built Green Program			
663 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Heating Zone 2 Cooling Zone 1 Built Green 3 Star Home in	and Specifications in Washington State	5	873	Home
				Washington with Heat Pump -	Home Must Certified under the Built Green Program			
664 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Heating Zone 2 Cooling Zone 2 Built Green 3 Star Home in	and Specifications in Washington State	4	836	Home
			D 111 O 11	Washington with Heat Pump -	Home Must Certified under the Built Green Program			
665 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Heating Zone 2 Cooling Zone 3	and Specifications in Washington State	0	776	Home
				Built Green 3 Star Home in Washington with Heat Pump -	Home Must Certified under the Built Green Program			
666 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Heating Zone 3 Cooling Zone 1	and Specifications in Washington State	2	708	Home
ooo hesitewballedreeliwi (_v2_1	Residential	Envelope New	Suite Green Frome	Built Green 3 Star Home in	and specifications in Washington State	-	700	,
				Washington with Heat Pump -	Home Must Certified under the Built Green Program			
667 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Heating Zone 3 Cooling Zone 2	and Specifications in Washington State	0	671	Home
				Built Green 3 Star Home in				
				Washington with Heat Pump -	Home Must Certified under the Built Green Program			
668 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Heating Zone 3 Cooling Zone 3	and Specifications in Washington State	-4	611	Home
				Built Green 3 Star Home in				
CCO BooklovsBuilkCroonWA v2 1	Dasidantial	Favolene Nov	Duilt Cross Home		Home Must Certified under the Built Green Program	17	624	Llama
669 ResNewBuiltGreenWA_v2_1	Residentiai	Envelope - New	Built Green Home	Option - Heating Zone 1 Built Green 3 Star Home in	and Specifications in Washington State	17	634	Home
					Home Must Certified under the Built Green Program			
670 ResNewBuiltGreenWA v2 1	Residential	Envelope - New	Built Green Home	Option - Heating Zone 2	and Specifications in Washington State	22	770	Home
		·		Built Green 3 Star Home in				
				Washington with Zonal Heat - Ceiling	Home Must Certified under the Built Green Program			
671 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Option - Heating Zone 3	and Specifications in Washington State	24	858	Home
				Built Green 3 Star Home in				
C72 Backlow Built Croom MA v. 2. 1	Decidential	Favolene Nov	Duilt Cross Home	Washington with Zonal Heat - Wall	Home Must Certified under the Built Green Program	22	701	Hama
672 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Option - Heating Zone 1 Built Green 3 Star Home in	and Specifications in Washington State	22	/81	Home
C72 Dealless Deith Conseq MA 2 . 4	Danisla aktal	Farralana Nam	Duilt Connections	Washington with Zonal Heat - Wall	Home Must Certified under the Built Green Program	27	0.65	
673 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Option - Heating Zone 2 Built Green 3 Star Home in	and Specifications in Washington State	27	965	Home
C74 DecNey-PuilkCreenWA v2 1	Dacidontial	Envalone Nov	Duilt Cross Home	Washington with Zonal Heat - Wall	Home Must Certified under the Built Green Program	20	1 000	l Hama
674 ResNewBuiltGreenWA_v2_1	Kesidentiai	Envelope - New	Built Green Home	Option - Heating Zone 3 Built Green 3 Star Home in	and Specifications in Washington State	29	1,098	B Home
		- 1	D 111 O 11	Washington with Zonal Heat -	Home Must Certified under the Built Green Program	25	000	
675 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Window Option - Heating Zone 1 Built Green 3 Star Home in	and Specifications in Washington State	25	888	B Home
GTC Backley Built-Caracal MA and d	Desire of the	Envelope N	Duilt Connect	Washington with Zonal Heat -	Home Must Certified under the Built Green Program			
676 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Window Option - Heating Zone 2 Built Green 3 Star Home in	and Specifications in Washington State	28	1,065	Home
				Washington with Zonal Heat -	Home Must Certified under the Built Green Program			
677 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Window Option - Heating Zone 3	and Specifications in Washington State	30	1,169	Home
				Built Green 4 Star Home in	Home Must Certified under the Built Green Program			
678 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Washington with Zonal Heat - Heating Zone 1	and Specifications in Washington State	35	1 863	Home
5.5	csidential	zciope item	22 3. 6. 6			33	1,003	

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Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings Site (kwh/yr)	_
				Built Green 4 Star Home in Washington with Zonal Heat -	Home Must Certified under the Built Green Program			
679 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Heating Zone 2 Built Green 4 Star Home in	and Specifications in Washington State	38	2,386	Home
680 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Washington with Zonal Heat - Heating Zone 3 Built Green 5 Star Home in	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	Washington with Gas Furnace and CAC - Wall Option - Heating Zone 1 Cooling Zone 1 Built Green 5 Star Home in Washington with Gas Furnace and	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	CAC - Wall Option - Heating Zone 1 Cooling Zone 2 Built Green 5 Star Home in Washington with Gas Furnace and	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	CAC - Wall Option - Heating Zone 1 Cooling Zone 3 Built Green 5 Star Home in Washington with Gas Furnace and	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	CAC - Wall Option - Heating Zone 2 Cooling Zone 1 Built Green 5 Star Home in Washington with Gas Furnace and	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	CAC - Wall Option - Heating Zone 2 Cooling Zone 2 Built Green 5 Star Home in Washington with Gas Furnace and	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	CAC - Wall Option - Heating Zone 2 Cooling Zone 3 Built Green 5 Star Home in Washington with Gas Furnace and	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	CAC - Wall Option - Heating Zone 3 Cooling Zone 1 Built Green 5 Star Home in Washington with Gas Furnace and	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	CAC - Wall Option - Heating Zone 3 Cooling Zone 2 Built Green 5 Star Home in Washington with Gas Furnace and	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	CAC - Wall Option - Heating Zone 3 Cooling Zone 3 Built Green 5 Star Home in	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	Washington with Gas Furnace and CAC - Window Option - Heating Zone 1 Cooling Zone 1 Built Green 5 Star Home in Washington with Gas Furnace and	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	J	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		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	_	Home Must Certified under the Built Green Program and Specifications in Washington State	13	1,025	Home

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						Measure Life	Annual Savings	<u>i -</u>
Line # Reference	Sector	Category	<u>Subcategory</u>	Procost Full Measure Name Built Green 5 Star Home in Washington with Gas Furnace and	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
694 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	CAC - Window Option - Heating Zone 2 Cooling Zone 2 Built Green 5 Star Home in Washington with Gas Furnace and	Home Must Certified under the Built Green Program and Specifications in Washington State	14	1,047	7 Home
695 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	•	Home Must Certified under the Built Green Program and Specifications in Washington State	16	1,118	3 Home
696 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	•	Home Must Certified under the Built Green Program and Specifications in Washington State	14	988	3 Home
697 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	•	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	•	Home Must Certified under the Built Green Program and Specifications in Washington State	17	1,081	L Home
699 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Option - Heating Zone 1 Cooling Zone 1 Built Green 5 Star Home in	Home Must Certified under the Built Green Program and Specifications in Washington State	28	2,474	1 Home
700 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	2 Built Green 5 Star Home in	Home Must Certified under the Built Green Program and Specifications in Washington State	28	2,478	3 Home
701 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Washington with Heat Pump - Wall Option - Heating Zone 1 Cooling Zone 3 Built Green 5 Star Home in Washington with Heat Pump - Wall	Home Must Certified under the Built Green Program and Specifications in Washington State	28	2,496	5 Home
702 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home		Home Must Certified under the Built Green Program and Specifications in Washington State	34	3,193	3 Home
703 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home		Home Must Certified under the Built Green Program and Specifications in Washington State	34	3,215	5 Home
704 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home		Home Must Certified under the Built Green Program and Specifications in Washington State	38	4,027	7 Home
705 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Option - Heating Zone 3 Cooling Zone 2 Built Green 5 Star Home in	Home Must Certified under the Built Green Program and Specifications in Washington State	38	4,031	I Home
706 ResNewBuiltGreenWA_v2_1	Residential	Envelope - New	Built Green Home	Washington with Heat Pump - Wall Option - Heating Zone 3 Cooling Zone 3 Built Green 5 Star Home in Washington with Heat Pump -	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	Window Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Built Green Program and Specifications in Washington State	28	2,476	6 Home

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

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						Measure Life	Annual Savings	<u>i -</u>
<u>Line # Reference</u>	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name New Energy Star Manufactured Home with Electric FAF - Heating	<u>Delivery Mechanism or Program</u> Home must be certified under Northwest Energy  Efficient Manufactured Home Program meeting Energy	(years)	Site (kwh/yr)	<u>UOM</u>
724 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	Zone 3  New Energy Star Manufactured	Star requirements.  Home must be certified under Northwest Energy	27	8,057	' Home
725 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star		Efficient Manufactured Home Program meeting Energy Star requirements. Home must be certified under Northwest Energy	23	3,128	B Home
726 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	1 Cooling Zone 2 New Energy Star Manufactured	Efficient Manufactured Home Program meeting Energy     Star requirements.     Home must be certified under Northwest Energy     Efficient Manufactured Home Program meeting Energy	23	3,172	! Home
727 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	1 Cooling Zone 3 New Energy Star Manufactured	Star requirements. Home must be certified under Northwest Energy	23	3,254	Home
728 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	2 Cooling Zone 1 New Energy Star Manufactured	e Efficient Manufactured Home Program meeting Energy Star requirements. Home must be certified under Northwest Energy	25	4,346	i Home
729 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	2 Cooling Zone 2 New Energy Star Manufactured	e Efficient Manufactured Home Program meeting Energy Star requirements. Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy	25	4,390	) Home
730 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	2 Cooling Zone 3 New Energy Star Manufactured	Star requirements.  Home must be certified under Northwest Energy Efficient Manufactured Home Program meeting Energy	25	4,472	Home
731 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	3 Cooling Zone 1 New Energy Star Manufactured	Star requirements. Home must be certified under Northwest Energy	26	5,516	Home
732 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	3 Cooling Zone 2 New Energy Star Manufactured	e Efficient Manufactured Home Program meeting Energy Star requirements. Home must be certified under Northwest Energy	26	5,560	) Home
733 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	3 Cooling Zone 3	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	B 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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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings Site (kwh/yr)	
Line # Neterence	<u>Sector</u>	category	<u>Jubeategory</u>	Trocost ruii Weasure Name	Delivery Weenanish of Trogram	(years)	Site (KWII) YII	<del>OOW</del>
				New EcoRated Manufactured Home with Heat Pump - Heating Zone 1	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the			
741 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	Cooling Zone 2	EcoRated Manufactured Home efficiency standards.	23	3,489	Home
		·	o,	Ŭ	•			
				New EcoRated Manufactured Home with Heat Pump - Heating Zone 1	Home must be certified under Northwest Energy			
742 NewMH Estar EcoRated v1 3	Residential	Envelope - New	Energy Star	Cooling Zone 3	Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	24	3.619	Home
			5,7	•	,		-,-	
				New EcoRated Manufactured Home	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the			
743 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	with Heat Pump - Heating Zone 2 Cooling Zone 1	EcoRated Manufactured Home efficiency standards.	25	4,919	Home
		·	<i>5,</i>	G	,		,	
				New EcoRated Manufactured Home	Home must be certified under Northwest Energy Efficient Manufactured Home Program as meeting the			
744 NewMH Estar EcoRated v1 3	Residential	Envelope - New	Energy Star	with Heat Pump - Heating Zone 2 Cooling Zone 2	EcoRated Manufactured Home efficiency standards.	25	4.997	Home
			o,	-	,		,	
				New EcoRated Manufactured Home	Home must be certified under Northwest Energy			
745 NewMH_Estar_EcoRated_v1_3	Residential	Envelope - New	Energy Star	with Heat Pump - Heating Zone 2 Cooling Zone 3	Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	25	5.126	Home
							-,	
				New EcoRated Manufactured Home	Home must be certified under Northwest Energy			
746 NewMH Estar EcoRated v1 3	Residential	Envelope - New	Energy Star	with Heat Pump - Heating Zone 3 Cooling Zone 1	Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	26	6 372	Home
7 10 Newmin_Estal_Estal.geometrica_12_5	ricolacilita.	ze.opee.ii	87				0,372	
				New EcoRated Manufactured Home	Home must be certified under Northwest Energy			
747 NewMH_Estar_EcoRated_v1_3	Recidential	Envelope - New	Energy Star	with Heat Pump - Heating Zone 3 Cooling Zone 2	Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	26	6.450	Home
747 Newvin_Estal_Econated_v1_5	Residential	Envelope - New	Lifel By Star	Cooming Zone Z	Econated Manufactured Home emiciency standards.	20	0,430	Home
				New EcoRated Manufactured Home	Home must be certified under Northwest Energy			
748 NewMH Estar EcoRated v1 3	Posidontial	Envelope - New	Energy Star	with Heat Pump - Heating Zone 3 Cooling Zone 3	Efficient Manufactured Home Program as meeting the EcoRated Manufactured Home efficiency standards.	26	6 570	Home
746 Newight_Estat_Econated_v1_3	Residential	Livelope - New	Lifeigy Star	Energy Star Multifamily Home - Gas	Econated Manufactured Home emelency standards.	20	0,373	Home
				Heated - Heating Zone 1 - Cooling	Home must by certified under the 2013 Northwest			
749 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Zone 1	Energy Star Homes Program & Specifications	19	860	Home
				Energy Star Multifamily Home - Gas Heated - Heating Zone 1 - Cooling	Home must by certified under the 2013 Northwest			
750 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Zone 2	Energy Star Homes Program & Specifications	22	905	Home
				Energy Star Multifamily Home - Gas	Home must be contified an double 2012 Northwest			
751 ResMFEstarHomes2012 v1 1	Residential	Envelope - New	Multifamily	Heated - Heating Zone 1 - Cooling Zone 3	Home must by certified under the 2013 Northwest Energy Star Homes Program & Specifications	24	956	Home
			,	Energy Star Multifamily Home - Gas	<i>c,</i>			
772 0 1455 1 11 2042 4 4	5		* * 10:5 · 11	Heated - Heating Zone 2 - Cooling	Home must by certified under the 2013 Northwest	40	252	
752 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Zone 1 Energy Star Multifamily Home - Gas	Energy Star Homes Program & Specifications	19	859	Home
				Heated - Heating Zone 2 - Cooling	Home must by certified under the 2013 Northwest			
753 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Zone 2	Energy Star Homes Program & Specifications	22	905	Home
				Energy Star Multifamily Home - Gas Heated - Heating Zone 2 - Cooling	Home must by certified under the 2013 Northwest			
754 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Zone 3	Energy Star Homes Program & Specifications	24	955	Home
_				Energy Star Multifamily Home - Gas				
755 RecMEEctarHomes 2012 v.1 1	Residential	Envelope - New	Multifamily	Heated - Heating Zone 3 - Cooling Zone 1	Home must by certified under the 2013 Northwest Energy Star Homes Program & Specifications	20	075	Home
755 ResMFEstarHomes2012_v1_1	nesidefitial	Filselobe - Islem	iviaitiiaiiiiiy	Energy Star Multifamily Home - Gas	Energy Star Hollies Frogram & Specifications	20	6/3	Home
				Heated - Heating Zone 3 - Cooling	Home must by certified under the 2013 Northwest			
756 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Zone 2	Energy Star Homes Program & Specifications	22	920	Home

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							Annual Savings	_
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u> Energy Star Multifamily Home - Gas	Delivery Mechanism or Program	(years)	Site (kwh/yr)	<u>uom</u>
				Heated - Heating Zone 3 - Cooling	Home must by certified under the 2013 Northwest			
757 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Zone 3	Energy Star Homes Program & Specifications	25	970	) Home
				Energy Star Multifamily Home - Heat				
				Pump Heated - Heating Zone 1 -	Home must by certified under the 2013 Northwest			
758 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 1	Energy Star Homes Program & Specifications	33	1,199	) Home
				Energy Star Multifamily Home - Heat				
				Pump Heated - Heating Zone 1 -	Home must by certified under the 2013 Northwest			
759 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 2	Energy Star Homes Program & Specifications	34	1,232	2 Home
				Energy Star Multifamily Home - Heat Pump Heated - Heating Zone 1 -	Home must by certified under the 2013 Northwest			
760 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 3	Energy Star Homes Program & Specifications	36	1 294	Home
700 Nesivii Estarriomes2012_v1_1	Residential	Livelope New	waterariny	Energy Star Multifamily Home - Heat	Energy Star Homes Program & Specimeations	30	1,25	rionic
				Pump Heated - Heating Zone 2 -	Home must by certified under the 2013 Northwest			
761 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 1	Energy Star Homes Program & Specifications	41	1,537	7 Home
				Energy Star Multifamily Home - Heat				
				Pump Heated - Heating Zone 2 -	Home must by certified under the 2013 Northwest			
762 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 2	Energy Star Homes Program & Specifications	42	1,570	) Home
				Energy Star Multifamily Home - Heat				
				Pump Heated - Heating Zone 2 -	Home must by certified under the 2013 Northwest			
763 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 3	Energy Star Homes Program & Specifications	43	1,632	2 Home
				Energy Star Multifamily Home - Heat	Home must be contified under the 2012 Northwest			
764 BocMEEstarHomos 2012 v1 1	Posidontial	Envalona Now	Multifamily	Pump Heated - Heating Zone 3 - Cooling Zone 1	Home must by certified under the 2013 Northwest Energy Star Homes Program & Specifications	44	1 713	3 Home
764 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	ividitilalilily	Energy Star Multifamily Home - Heat	thergy star fromes Frogram & Specifications	44	1,713	) Home
				Pump Heated - Heating Zone 3 -	Home must by certified under the 2013 Northwest			
765 ResMFEstarHomes2012 v1 1	Residential	Envelope - New	Multifamily	Cooling Zone 2	Energy Star Homes Program & Specifications	45	1.746	Home
			,	Energy Star Multifamily Home - Heat	<i>c, c</i> ,		,	
				Pump Heated - Heating Zone 3 -	Home must by certified under the 2013 Northwest			
766 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 3	Energy Star Homes Program & Specifications	46	1,808	B Home
				Energy Star Multifamily Home - Zonal	l			
				Electric Heat - Heating Zone 1 -	Home must by certified under the 2013 Northwest			
767 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 1	Energy Star Homes Program & Specifications	29	1,060	) Home
				Energy Star Multifamily Home - Zonal				
769 PacMEEctarHomoc 2012 v1 1	Posidontial	Envolono Nov	Multifamily	Electric Heat - Heating Zone 1 -	Home must by certified under the 2013 Northwest	29	1.060	) Homo
768 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 2 Energy Star Multifamily Home - Zonal	Energy Star Homes Program & Specifications	29	1,000	) Home
				Electric Heat - Heating Zone 1 -	Home must by certified under the 2013 Northwest			
769 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 3	Energy Star Homes Program & Specifications	29	1.060	) Home
			,	Energy Star Multifamily Home - Zonal			,	
				Electric Heat - Heating Zone 2 -	Home must by certified under the 2013 Northwest			
770 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 1	Energy Star Homes Program & Specifications	35	1,266	Home
				Energy Star Multifamily Home - Zonal				
				Electric Heat - Heating Zone 2 -	Home must by certified under the 2013 Northwest			
771 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 2	Energy Star Homes Program & Specifications	35	1,266	Home
				Energy Star Multifamily Home - Zonal				
772 ResMFEstarHomes2012 v1 1	Posidontial	Envelope - New	Multifamily	Electric Heat - Heating Zone 2 - Cooling Zone 3	Home must by certified under the 2013 Northwest Energy Star Homes Program & Specifications	35	1 266	Home
772 Nesivii Estarriomes2012_v1_1	Residential	Lilvelope - New	ividitilalilily	Energy Star Multifamily Home - Zonal		33	1,200	Tionie
				Electric Heat - Heating Zone 3 -	Home must by certified under the 2013 Northwest			
773 ResMFEstarHomes2012 v1 1	Residential	Envelope - New	Multifamily	Cooling Zone 1	Energy Star Homes Program & Specifications	39	1,395	Home
			,	Energy Star Multifamily Home - Zonal			,,,,,	
				Electric Heat - Heating Zone 3 -	Home must by certified under the 2013 Northwest			
774 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 2	Energy Star Homes Program & Specifications	39	1,395	Home
				Energy Star Multifamily Home - Zonal				
				Electric Heat - Heating Zone 3 -	Home must by certified under the 2013 Northwest			
775 ResMFEstarHomes2012_v1_1	Residential	Envelope - New	Multifamily	Cooling Zone 3	Energy Star Homes Program & Specifications	39	1,395	Home

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						Measure Life	Annual Savings	<u>-</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name Energy Star Home in Washington with Gas Furnace and CAC - Envelope	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
776 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Option - Heating Zone 1 Cooling Zone 1 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,062	Home
777 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,077	Home
778 ResNewSFEStarWAIDMT_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
		·			Home Must Certified under the Northwest Energy Star			
779 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace and CAC - Envelope		12	995	Home
780 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	2 Energy Star Home in Washington with Gas Furnace and CAC - Envelope	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,010	Home
781 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Option - Heating Zone 2 Cooling Zone 3 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	14	1,038	Home
782 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Gas Furnace and CAC - Envelope Option - Heating Zone 3 Cooling Zone 1 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	13	937	Home
783 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	2 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	13	952	Home
784 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Gas Furnace and CAC - Envelope Option - Heating Zone 3 Cooling Zone 3 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	14	980	Home
785 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Gas Furnace and CAC - Duct Option - Heating Zone 1 Cooling Zone 1 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,044	Home
786 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	2 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,059	Home
787 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	3 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,094	Home
788 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	1 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	12	980	Home
789 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	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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						Measure Life	Annual Savings	<u></u>
<u>Line #</u> Reference	Sector	Category	<u>Subcategory</u>	Procost Full Measure Name Energy Star Home in Washington with Gas Furnace and CAC - Duct	<u>Delivery Mechanism or Program</u>	<u>(years)</u>	Site (kwh/yr)	<u>UOM</u>
					Home Must Certified under the Northwest Energy Star			
790 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	3 Energy Star Home in Washington with Gas Furnace and CAC - Duct	Program & Specifications	14	1,030	) Home
					Home Must Certified under the Northwest Energy Star			
791 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	1	Program & Specifications	12	924	Home
				Energy Star Home in Washington with Gas Furnace and CAC - Duct	Harry Mark Contified and a the Northwest France Char			
792 ResNewSFEStarWAIDMT v2 2	Residential	Envelope - New	Energy Star Home	Option - Heating Zone 3 Cooling Zone 2	Home Must Certified under the Northwest Energy Star Program & Specifications	13	939	Home
132 nesite 18. 22da 11. 12. 12. 12. 12. 12. 12. 12. 12. 12.	residentia	ziwelope wen	Energy star frome	Energy Star Home in Washington with Gas Furnace and CAC - Duct	Trogram a openimications	15	333	· · · · · · · · · · · · · · · · · · ·
					Home Must Certified under the Northwest Energy Star			
793 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	3	Program & Specifications	14	974	Home
				Energy Star Home in Washington with Gas Furnace and CAC - DHW				
794 ResNewSFEStarWAIDMT v2 2	Residential	Envelope - New	Energy Star Home	Option - Heating Zone 1 Cooling Zone 1	Home Must Certified under the Northwest Energy Star Program & Specifications	10	996	Home
754 Nesivews/ Estat W/NB/W1_V2_E	Residential	Envelope New	Energy Star Frome	Energy Star Home in Washington	riogram & Specifications	10	330	rionic
				with Gas Furnace and CAC - DHW				
705 0 14 6550 14410147 0 0	5		Farana Chan Hanna		Home Must Certified under the Northwest Energy Star	40		
795 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	2 Energy Star Home in Washington	Program & Specifications	10	984	Home
				with Gas Furnace and CAC - DHW				
				Option - Heating Zone 1 Cooling Zone	Home Must Certified under the Northwest Energy Star			
796 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	3	Program & Specifications	9	975	Home
				Energy Star Home in Washington with Gas Furnace and CAC - DHW				
					Home Must Certified under the Northwest Energy Star			
797 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	1	Program & Specifications	10	921	Home
				Energy Star Home in Washington with Gas Furnace and CAC - DHW				
700 0 14 67704 14410147 0 0	5		5 0 11		Home Must Certified under the Northwest Energy Star			
798 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	2 Energy Star Home in Washington	Program & Specifications	9	909	) Home
				with Gas Furnace and CAC - DHW				
					Home Must Certified under the Northwest Energy Star			
799 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	3	Program & Specifications	9	900	) Home
				Energy Star Home in Washington with Gas Furnace and CAC - DHW				
					Home Must Certified under the Northwest Energy Star			
800 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	1	Program & Specifications	10	854	Home
				Energy Star Home in Washington				
				with Gas Furnace and CAC - DHW	Home Must Certified under the Northwest Energy Star			
801 ResNewSFEStarWAIDMT v2 2	Residential	Envelope - New	Energy Star Home	2	Program & Specifications	9	842	. Home
		·		Energy Star Home in Washington				
				with Gas Furnace and CAC - DHW				
802 ResNewSFEStarWAIDMT v2 2	Posidontial	Envelope - New	Energy Star Home	Option - Heating Zone 3 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	9	022	Home
002 Nesivewsi Estai WAIDIVII_V2_2	Nesidential	Livelope - New	Energy Star Home	3	110gram & Specimeations	9	033	Tionic
				Energy Star Home in Washington				
002 Dealles CEECherlMAIDAT CC 2	Deet Land	Samulana N	For any Chart	with Heat Pump - Envelope Option -	Home Must Certified under the Northwest Energy Star		2.4	. Han
803 ResNewSFEStarWAIDMT_v2_2	Kesidential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 1	Program & Specifications	25	2,178	Home .

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Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr)	<u>UOM</u>
804 ResNewSFEStarWAIDMT_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 ResNewSFEStarWAIDMT_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 ResNewSFEStarWAIDMT_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 ResNewSFEStarWAIDMT_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 ResNewSFEStarWAIDMT_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 ResNewSFEStarWAIDMT_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 ResNewSFEStarWAIDMT_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 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Heat Pump - Envelope Option - Heating Zone 3 Cooling Zone 3 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	34	2,920	Home
812 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Heat Pump - Duct Option - Heating Zone 1 Cooling Zone 1 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	27	2,379	Home
813 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Heat Pump - Duct Option - Heating Zone 1 Cooling Zone 2 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	27	2,415	Home
814 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Heat Pump - Duct Option - Heating Zone 1 Cooling Zone 3 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	27	2,458	Home
815 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Heat Pump - Duct Option - Heating Zone 2 Cooling Zone 1 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	33	3,019	Home
816 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Heat Pump - Duct Option - Heating Zone 2 Cooling Zone 2 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	33	3,055	Home
817 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Heat Pump - Duct Option - Heating Zone 2 Cooling Zone 3 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	34	3,098	Home
818 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Heat Pump - Duct Option - Heating Zone 3 Cooling Zone 1 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	37	3,742	Home
819 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	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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						Measure Life	Annual Savings	<u></u>
Line# Reference	<u>Sector</u>	Category	<u>Subcategory</u>	<u>Procost Full Measure Name</u> Energy Star Home in Washington	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				with Heat Pump - Duct Option -	Home Must Certified under the Northwest Energy Star			
820 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 3 Cooling Zone 3 Energy Star Home in Washington	Program & Specifications	37	3,821	. Home
				with Heat Pump - DHW Option -	Home Must Certified under the Northwest Energy Star			
821 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 1 Energy Star Home in Washington	Program & Specifications	18	3,001	. Home
				with Heat Pump - DHW Option -	Home Must Certified under the Northwest Energy Star			
822 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 2 Energy Star Home in Washington	Program & Specifications	18	3,013	Home
				with Heat Pump - DHW Option -	Home Must Certified under the Northwest Energy Star			
823 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 3 Energy Star Home in Washington	Program & Specifications	18	3,015	Home
				with Heat Pump - DHW Option -	Home Must Certified under the Northwest Energy Star			
824 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 2 Cooling Zone 1 Energy Star Home in Washington	Program & Specifications	21	3,025	Home
				with Heat Pump - DHW Option -	Home Must Certified under the Northwest Energy Star			
825 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 2 Cooling Zone 2	Program & Specifications	21	3,037	Home
				Energy Star Home in Washington	Harry March Contified and another Northwest Foreign Char			
92C BooklowCFFCtorMAIDAAT v.2. 2	Desidential	Envelope New	Enorgy Star Homo	with Heat Pump - DHW Option -	Home Must Certified under the Northwest Energy Star	21	2.020	. Homo
826 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 2 Cooling Zone 3 Energy Star Home in Washington	Program & Specifications	21	3,039	Home
				with Heat Pump - DHW Option -	Home Must Certified under the Northwest Energy Star			
827 ResNewSFEStarWAIDMT v2 2	Residential	Envelope - New	Energy Star Home	Heating Zone 3 Cooling Zone 1	Program & Specifications	23	3 116	Home
027 Nesivewai Estai Waldivii_v2_2	Residential	Livelope - New	Energy Star Frome	Energy Star Home in Washington	Trogram & Specimentons	23	3,110	rionic
				with Heat Pump - DHW Option -	Home Must Certified under the Northwest Energy Star			
828 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 3 Cooling Zone 2	Program & Specifications	23	3,128	Home
				Energy Star Home in Washington				
				with Heat Pump - DHW Option -	Home Must Certified under the Northwest Energy Star			
829 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 3 Cooling Zone 3	Program & Specifications	23	3,130	) Home
				Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star			
830 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Zonal Heat - Heating Zone 1	Program & Specifications	42	3,543	Home
024 Deckley CEEChe MAIDAAT v.2. 2	Danisla satisl	Farreless Name	Francis Chan Hanna	Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star	42	4.724	
831 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Zonal Heat - Heating Zone 2 Energy Star Home in Washington	Program & Specifications  Home Must Certified under the Northwest Energy Star	43	4,/34	Home
832 ResNewSFEStarWAIDMT v2 2	Residential	Envelope - New	Energy Star Home	with Zonal Heat - Heating Zone 3	Program & Specifications	43	5 645	Home
032 (Ids. (CW)   Estat W/(Ib)   172_2	nesidential	Envelope New	Energy star frome	Energy Star Home in Idaho or	Trogram & Specimeations	43	3,043	rionic
					Home Must Certified under the Northwest Energy Star			
833 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 1	Program & Specifications	16	548	Home
				Energy Star Home in Idaho or				
					Home Must Certified under the Northwest Energy Star			
834 ResNewSFEStarWAIDMT v2 2	Residential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 2	Program & Specifications	18	599	Home
				Energy Star Home in Idaho or				
				Montana with Gas Furnace and CAC -	Home Must Certified under the Northwest Energy Star			
835 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 1 Cooling Zone 3	Program & Specifications	22	696	Home
				Energy Star Home in Idaho or				
				-	Home Must Certified under the Northwest Energy Star			
836 ResNewSFEStarWAIDMT v2 2	Residential	Envelope - New	Energy Star Home	Heating Zone 2 Cooling Zone 1	Program & Specifications	18	587	' Home
			- 07	5	• · · · · · · · · · · · · · · · · · · ·	10	307	- · <del>-</del>
				Energy Star Home in Idaho or				
				Montana with Gas Furnace and CAC -	Home Must Certified under the Northwest Energy Star			
837 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 2 Cooling Zone 2	Program & Specifications	20	639	Home

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<u>Line #</u> <u>Reference</u>	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
838 ResNewSFEStarWAIDMT_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 ResNewSFEStarWAIDMT_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 ResNewSFEStarWAIDMT_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 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Heating Zone 3 Cooling Zone 3 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	24	770 Home
842 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 1 Cooling Zone 1 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	36	3,555 Home
843 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 1 Cooling Zone 2 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	36	3,633 Home
844 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 1 Cooling Zone 3 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	37	3,778 Home
845 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 2 Cooling Zone 1 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	39	5,266 Home
846 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 2 Cooling Zone 2 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	39	5,344 Home
847 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 2 Cooling Zone 3 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	39	5,489 Home
848 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 3 Cooling Zone 1 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,710 Home
849 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 3 Cooling Zone 2 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,787 Home
850 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Montana with Heat Pump - Heating Zone 3 Cooling Zone 3 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	40	6,932 Home
851 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Montana with Gas Furnace and no CAC - Heating Zone 1 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	13	504 Home
852 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Montana with Gas Furnace and no CAC - Heating Zone 2 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	17	561 Home
853 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Montana with Gas Furnace and no CAC - Heating Zone 3 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	19	609 Home
854 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Gas Furnace w/o CAC - Envelope Option - Heating Zone 1 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,070 Home
855 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	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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<u>Line # Reference</u>	<u>Sector</u>	Category	<u>Subcategory</u>	<u>Procost Full Measure Name</u> Energy Star Home in Washington	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>) UOM</u>
856 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Gas Furnace w/o CAC - Envelope Option - Heating Zone 3 Energy Star Home in Washington	e Home Must Certified under the Northwest Energy Star Program & Specifications	13	94	5 Home
857 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Gas Furnace w/o CAC - Duct Option - Heating Zone 1 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,06	7 Home
858 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Gas Furnace w/o CAC - Duct Option - Heating Zone 2 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	13	1,00	3 Home
859 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Gas Furnace w/o CAC - Duct Option - Heating Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	13	94	7 Home
860 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	Energy Star Home in Washington with Gas Furnace w/o CAC - DHW Option - Heating Zone 1 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	12	1,04	2 Home
861 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Gas Furnace w/o CAC - DHW Option - Heating Zone 2 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	12	96	7 Home
862 ResNewSFEStarWAIDMT_v2_2	Residential	Envelope - New	Energy Star Home	with Gas Furnace w/o CAC - DHW Option - Heating Zone 3 Energy Star Home in Washington	Home Must Certified under the Northwest Energy Star Program & Specifications	11	90	0 Home
863 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home		Home Must Certified under the Northwest Energy Star Program & Specifications	35	3,72	9 Home
864 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home		Home Must Certified under the Northwest Energy Star Program & Specifications	34	3,63	9 Home
865 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home		Home Must Certified under the Northwest Energy Star Program & Specifications	34	3,48	0 Home
866 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home		Home Must Certified under the Northwest Energy Star Program & Specifications	38	5,28	2 Home
867 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home		Home Must Certified under the Northwest Energy Star Program & Specifications	38	5,19	2 Home
868 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home		Home Must Certified under the Northwest Energy Star Program & Specifications	37	5,03	3 Home
869 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home		3 Home Must Certified under the Northwest Energy Star Program & Specifications	38	5,94	6 Home
870 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	built to the DHP TCO - Heating Zone 3 Cooling Zone 2 Energy Star Home in Washington	3 Home Must Certified under the Northwest Energy Star Program & Specifications	38	5,85	7 Home
871 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	built to the DHP TCO - Heating Zone 3 Cooling Zone 3 Energy Star Home in Idaho or	3 Home Must Certified under the Northwest Energy Star Program & Specifications	38	5,69	8 Home
872 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Montana built to the DHP TCO - Heating Zone 1 Cooling Zone 1 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	38	5,07	9 Home
873 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Montana built to the DHP TCO - Heating Zone 1 Cooling Zone 2 Energy Star Home in Idaho or	Home Must Certified under the Northwest Energy Star Program & Specifications	37	4,99	6 Home
874 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Montana built to the DHP TCO - Heating Zone 1 Cooling Zone 3	Home Must Certified under the Northwest Energy Star Program & Specifications	37	4,84	4 Home

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						Measure Life	Annual Savings	<u></u>
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				Energy Star Home in Idaho or				
				Montana built to the DHP TCO -	Home Must Certified under the Northwest Energy Star			
875 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Heating Zone 2 Cooling Zone 1	Program & Specifications	40	7,165	Home
				Energy Star Home in Idaho or Montana built to the DHP TCO -	Home Must Certified under the Northwest Energy Star			
876 EStarNWSFHomes DHPtco WAIDMT v1 0	Residential	Envelope - New	Energy Star Home	Heating Zone 2 Cooling Zone 2	Program & Specifications	40	7 082	. Home
070 2514111115111611165_511111165_1711151111_112_5	riesiaericiai	ziivelope iveli	znergy star riome	Energy Star Home in Idaho or	rog.um a specimentons		7,002	
				Montana built to the DHP TCO -	Home Must Certified under the Northwest Energy Star			
877 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Heating Zone 2 Cooling Zone 3	Program & Specifications	40	6,930	Home
				Energy Star Home in Idaho or				
				Montana built to the DHP TCO -	Home Must Certified under the Northwest Energy Star			
878 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residential	Envelope - New	Energy Star Home	Heating Zone 3 Cooling Zone 1	Program & Specifications	40	8,248	Home
				Energy Star Home in Idaho or				
970 FCharNIN/CFILeman DUDton MAIDNAT v.1 0	Docidontial	Envelope Nov	Enguery Char Home	Montana built to the DHP TCO -	Home Must Certified under the Northwest Energy Star	40	0.165	· Hama
879 EStarNWSFHomes_DHPtco_WAIDMT_v1_0	Residentiai	Envelope - New	Energy Star Home	Heating Zone 3 Cooling Zone 2 Energy Star Home in Idaho or	Program & Specifications	40	8,165	Home
				Montana built to the DHP TCO -	Home Must Certified under the Northwest Energy Star			
880 EStarNWSFHomes DHPtco WAIDMT v1 0	Residential	Envelope - New	Energy Star Home	Heating Zone 3 Cooling Zone 3	Program & Specifications	40	8 013	Home
000 2514111115111611165_5111 1105_1111151111_112_0	riesiaericiai	ziivelope iveli					0,013	
					Home must be certified under the High Performance			
					Manufactured Home Program. Program must be			
				High Performance Manufactured	operated in accordance with the existing Northwest			
				-	Energy Efficient Manufactured Home quality control			
881 ResHPMH_v1	Residential	Envelope - New	НРМН	1	and plant inspection process.	37	8,168	Home
					Home must be certified under the High Performance			
					Manufactured Home Program. Program must be			
				High Performance Manufactured	operated in accordance with the existing Northwest			
				3	Energy Efficient Manufactured Home quality control			
882 ResHPMH_v1	Residential	Envelope - New	НРМН	2	and plant inspection process.	37	8,066	Home
					Home must be certified under the High Performance			
					Manufactured Home Program. Program must be			
				High Performance Manufactured	operated in accordance with the existing Northwest			
883 ResHPMH v1	Posidontial	Envelope - New	НРМН	3	<ul> <li>Energy Efficient Manufactured Home quality control and plant inspection process.</li> </ul>	36	7 902	. Home
003 KESHPIVIH_VI	Residential	Elivelope - New	ПРІVІП	3	and plant inspection process.	30	7,902	поше
					Home must be certified under the High Performance			
					Manufactured Home Program. Program must be			
				High Performance Manufactured	operated in accordance with the existing Northwest			
				Home - Heating Zone 2 - Cooling Zone	Energy Efficient Manufactured Home quality control			
884 ResHPMH_v1	Residential	Envelope - New	НРМН	1	and plant inspection process.	39	10,358	B Home
					Home must be certified under the High Performance Manufactured Home Program. Program must be			
				High Performance Manufactured	operated in accordance with the existing Northwest			
				•	Energy Efficient Manufactured Home quality control			
885 ResHPMH_v1	Residential	Envelope - New	НРМН	2	and plant inspection process.	39	10,261	Home
					Home must be certified under the High Performance			
					Manufactured Home Program. Program must be			
				High Performance Manufactured	operated in accordance with the existing Northwest			
886 ResHPMH v1	Pacidontial	Envelope - New	НРМН	Home - Heating Zone 2 - Cooling Zone 3	Energy Efficient Manufactured Home quality control and plant inspection process.	38	10 102	. Home
000 1/C311L1A111_AT	nesidential	Filselobe - New	TICIVIII	<b>.</b>	and plant inspection process.	38	10,102	. Home

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Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr)	<u>UOM</u>
887 ResHPMH_v1	Residential	Envelope - New	НРМН	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	НРМН	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	НРМН	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 I 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 I thermal break of at least R5 between the slab edge and the below grade wall and/or foundation.  Insulation shall extend under full slab and be approved	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	for ground contact. Slab shall have an insulated I thermal break of at least R5 between the slab edge and the below grade wall and/or foundation.  Insulation shall extend under full slab and be approved	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	for ground contact. Slab shall have an insulated I thermal break of at least R5 between the slab edge and the below grade wall and/or foundation.  Insulation shall extend under full slab and be approved	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	for ground contact. Slab shall have an insulated I thermal break of at least R5 between the slab edge and the below grade wall and/or foundation.  Existing insulation must be less than R-7. Insulation	70	770	Site
895 ResMHWx_v3_1	Residential	Envelope - Existing	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.  Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the	25	1	SF
896 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		RTF's weatherization 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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						Measure Life	Annual Savings	<u>s -</u>
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
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		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	(	O 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	2 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	4 SF

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						Measure Life	Annual Savings	<u>s -</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
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	O 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	2 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	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	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 Residiential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infilitration/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	1 SF
908 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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	1 SF

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
909 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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		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

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						Measure Life	Annual Savings	<u>s -</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<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	7 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	7 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	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	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 Residiential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infilitration/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	l SF
921 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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	1 SF

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<u>Line # Reference</u>	<u>Sector</u>	<u>Category</u>	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
922 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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		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
5	eside.itial	Emerge Ending	Prime Window or Patio	Windows - Double Pane to Class 22 - Heating Zone 3 (Average Heating	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	23	3, 3,
928 ResMHWx_v3_1	Residential	Envelope - Existing	Door Replacement	System)	system-specific measures.	25	25 SF

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
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	4 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	2 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	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	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 Residiential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infilitration/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	1 SF
934 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	1	l SF

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
935 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc 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-specifc 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-specifc 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-specifc measure with the related average heating system measure.	25	1 SF
939 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc 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-specifc 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-specifc measure with the related average heating system measure.	25	15 SF

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
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-specifc 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-specifc measure with the related average heating system measure.	25	13	SF
343 NCSINIIWX_V3_1	residential	Envelope - Existing	DOO REPIACEMENT	Windows - Class 35 to Class 30 -	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-	23	13	31
944 ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Heating Zone 1 (Zonal Heating System)	specifc measure with the related average heating system measure.  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	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)	may not combine the use of this heating system- specifc measure with the related average heating system measure.  Measure shall comply with the RTF Residiential Weatherization Specifications, including verification of change in air change rate through pre and post	25	3	SF
946 ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 1 (Zonal Heating System)	measurement of infilitration/exfiltration using blower door. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.  Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured	25	1	SF
947 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		homes. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.	25	1	SF

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
948 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc 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-specifc 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-specifc 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-specifc measure with the related average heating system measure.	25	1 SF
952 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc 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-specifc 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-specifc measure with the related average heating system measure.	25	20 SF
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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr)	<u>UOM</u>
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-specifc measure with the related average heating system measure.	25	28	SF
OES BochAllMy v2. 1	Posidontial	Equalogo Existing	Prime Window or Patio	Windows - Double Pane to Class 30 - Heating Zone 2 (Zonal Heating	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-specifc measure with the related average	25	10	SF
956 ResMHWx_v3_1	Kesidentiai	Envelope - Existing	Door Replacement	System) Windows - Class 35 to Class 30 -	heating system measure.  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-	25	18	SF
957 ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Heating Zone 2 (Zonal Heating System)	specifc measure with the related average heating system measure.  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	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)	an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.  Measure shall comply with the RTF Residiential Weatherization Specifications, including verification of	25	4	SF
959 ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 2 (Zonal Heating System)	change in air change rate through pre and post measurement of infilitration/exfiltration using blower door. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.  Existing insulation must be less than R-7. Insulation	25	1	SF
960 ResMHWx_v3_1	Residential	Envelope - Existing	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-specifc measure with the related average heating system measure.	25	1	SF

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Line # Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings	
961 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Manufactured Home Weatherization	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-specifc 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-specifc measure with the related average heating system measure.	25	1	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-specifc measure with the related average heating system measure.	25	1	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-specifc measure with the related average heating system measure.	25	1	1 SF
965 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	1	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-specifc measure with the related average heating system measure.	25	38	8 SF
				Windows - Double Pane to Class 22 -	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			
967 ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Heating Zone 3 (Zonal Heating System)	system-specifc measure with the related average heating system measure.	25	25	5 SF

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
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-specifc measure with the related average heating system measure.	25	35	SF
969 ResMHWx v3 1	Rosidantial	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-specifc measure with the related average heating system measure.	25	22	SE.
303 Kesiviliwx_v3_1	residential	Envelope - Laisting	bool Replacement	Windows - Class 35 to Class 30 -	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-	23	22	31
970 ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Heating Zone 3 (Zonal Heating System)	specifc measure with the related average heating system measure.  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	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)	an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.  Measure shall comply with the RTF Residiential Weatherization Specifications, including verification of	25	5	SF
972 ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 3 (Zonal Heating System)	change in air change rate through pre and post measurement of infilitration/exfiltration using blower door. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.  Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the	25	2	SF
973 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		RTF's weatherization specifications for manufactured - homes. Programs may not combine the use of this heating system-specifc measure with the related	25	1	SF

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<u>Line # Reference</u>	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UC	<u>OM</u>
974 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	1 SF	F
975 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Insulate Floors - R-11 to R-22 -	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-specifc measure with the related average heating system measure.	25	1 SF	F
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-specifc measure with the related average heating system measure.	25	1 SF	F
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-specifc measure with the related average heating system measure.	25	1 SF	F
978 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	0 SF	F
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-specifc measure with the related average heating system measure.	25	25 SF	F
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-specifc measure with the related average heating system measure.	25	16 SF	F
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Line # Reference	<u>Sector</u>	<u>Category</u>	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr)	<u>UOM</u>
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-specifc measure with the related average heating system measure.	25	22	2 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-specifc measure with the related average heating system measure.	25	14	4 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 systemspecifc measure with the related average heating system measure.	25	1	1 SF
984 ResMHWx_v3_1		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-specifc 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 Residiential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infilitration/exfiltration using blower door. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.	25	1	1 SF
986 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	1	1 SF

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	<u>Category</u>	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
987 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	5 2 SF
988 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Insulate Floors - R-11 to R-22 -	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-specifc 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-specifc 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-specifc measure with the related average heating system measure.	25	1 SF
991 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc 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-specifc measure with the related average heating system measure.	25	33 SF
SSE NESIMITAN AS T	nesidelidal	Envelope - Lasting	Prime Window or Patio	Windows - Double Pane to Class 22 - Heating Zone 2 (Electric FAF Heating	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	23	اد دی
993 ResMHWx_v3_1	Residential	Envelope - Existing	Door Replacement	System)	heating system measure.	25	22 SF

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Line # Reference	<u>Sector</u>	<u>Category</u>	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
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-specifc measure with the related average heating system measure.	25	30	) SF
995 ResMHWx v3 1	Posidontial	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-specifc measure with the related average heating system procure.	25	10	) SF
995 KeSMHWX_V3_1	kesidentiai	Envelope - Existing	роог керіасетепт	System) Windows - Class 35 to Class 30 -	heating system measure.  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-	25	19	) SF
996 ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Heating Zone 2 (Electric FAF Heating System)	specifc measure with the related average heating system measure.  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	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)	may not combine the use of this heating system- specifc measure with the related average heating system measure.  Measure shall comply with the RTF Residiential Weatherization Specifications, including verification of change in air change rate through pre and post	25	5	S SF
998 ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 2 (Electric FAF Heating System)	measurement of infilitration/exfiltration using blower door. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.  Existing insulation must be less than R-7. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for manufactured	25	1	. SF
999 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		<ul> <li>homes. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.</li> </ul>	25	1	. SF

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Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
1000 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	2 SF
1001 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Insulate Floors - R-11 to R-22 -	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-specifc 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-specifc 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-specifc measure with the related average heating system measure.	25	2 SF
1004 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	41 SF
2000	Acsidential	Emelope Eniding	Prime Window or Patio	Windows - Double Pane to Class 22 -	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.	23	72 3
1006 ResMHWx_v3_1	Residential	Envelope - Existing	Door Replacement	System)	heating system measure.	25	27 SF

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				5 . <del></del>			Annual Savings -
<u>Line #</u> <u>Reference</u>	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
			Prime Window or Patio	Windows - Single Pane to Class 30 - Heating Zone 3 (Electric FAF Heating	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-specifc measure with the related		
1007 ResMHWx_v3_1	Residentia	Envelope - Existing	Door Replacement	System)	average heating system measure.	25	37 SF
					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.		
			Prime Window or Patio	Windows - Double Pane to Class 30 - Heating Zone 3 (Electric FAF Heating	Programs may not combine the use of this heating system-specifc measure with the related average		
1008 ResMHWx_v3_1	Residentia	Envelope - Existing	Door Replacement	System)	heating system measure.	25	24 SF
					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		
			Prime Window or Patio	Windows - Class 35 to Class 30 - Heating Zone 3 (Electric FAF Heating	may not combine the use of this heating system- specifc measure with the related average heating		
1009 ResMHWx_v3_1	Residentia	Envelope - Existing	Door Replacement	System)	system measure.	25	2 SF
1010 ResMHWx_v3_1	Residentia	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	Residentia	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 3 (Electric FAF Heating System)	Measure shall comply with the RTF Residiential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infilitration/exfiltration using blower door. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.	25	5 2 SF
1012 ResMHWx_v3_1	Residentia	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	0 SF
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<u>Line # Reference</u>	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
1013 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-22 - Heating	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-specifc 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-specifc 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-specifc 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-specifc measure with the related average heating system measure.	25	0 SF
1017 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	O SF
1000 DesMINA - 2-4	Decide with	Southern Science	Prime Window or Patio	Windows - Single Pane to Class 22 - Heating Zone 1 (Heat Pump Heating	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-specifc measure with the related	25	44.65
1018 ResMHWx_v3_1	Residential	Envelope - Existing	Door Replacement  Prime Window or Patio	System)  Windows - Double Pane to Class 22 - Heating Zone 1 (Heat Pump Heating	average heating system measure.  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-specifc measure with the related average	25	11 SF
1019 ResMHWx_v3_1	Residential	Envelope - Existing	Door Replacement	System)	heating system measure.	25	8 SF

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
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-specifc measure with the related average heating system measure.	25	10	O SF
1021 ParMUWA v2 1	Dovidostio	Faudos Fristing	Prime Window or Patio	Windows - Double Pane to Class 30 - Heating Zone 1 (Heat Pump Heating	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-specifc measure with the related average	25	_	7. 65
1021 ResMHWx_v3_1	Residential	Envelope - Existing	Door Replacement	System) Windows - Class 35 to Class 30 -	heating system measure.  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	25	7	7 SF
1022 ResMHWx_v3_1	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Heating Zone 1 (Heat Pump Heating System)	may not combine the use of this heating system- specifc measure with the related average heating system measure.  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	25	1	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)	an NFRC rated U-factor of 0.30 or lower. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.  Measure shall comply with the RTF Residiential	25	1	1 SF
1024 ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 1 (Heat Pump Heating System)	Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infilitration/exfiltration using blower door. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.  Existing insulation must be less than R-7. Insulation	25	C	O SF
1025 ResMHWx_v3_1	Residential	Envelope - Existing	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-specifc measure with the related average heating system measure.	25	C	O SF

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<u>Line # Reference</u>	Sector	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UON
1026 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-22 - Heating	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-specifc 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-specifc 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-specifc 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-specifc measure with the related average heating system measure.	25	1 SF
1030 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	0 SF
			Prime Window or Patio	Windows - Single Pane to Class 22 - Heating Zone 2 (Heat Pump Heating	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-specifc measure with the related		
1031 ResMHWx_v3_1	Residential	Envelope - Existing	Door Replacement  Prime Window or Patio	System)  Windows - Double Pane to Class 22 - Heating Zone 2 (Heat Pump Heating	average heating system measure.  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-specifc measure with the related average	25	18 SF
1032 ResMHWx_v3_1	Residential	Envelope - Existing	Door Replacement	System)	heating system measure.	25	12 SF

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1033 ResMHWx_v3_1	Residentia	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-specifc measure with the related average heating system measure.	25	17	' SF
1034 ResMHWx_v3_1	Residentia	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-specifc measure with the related average heating system measure.	25	11	. SF
1035 ResMHWx_v3_1	Residentia	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-specifc measure with the related average heating system measure.	25	1	. SF
1036 ResMHWx_v3_1	Residentia	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-specifc measure with the related average heating system measure.	25	2	: SF
1037 ResMHWx_v3_1	Residentia	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 2 (Heat Pump Heating System)	Measure shall comply with the RTF Residiential Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infilitration/exfiltration using blower door. Programs may not combine the use of this heating system-specifc measure with the related average heating system measure.	25	1	. SF
1038 ResMHWx_v3_1	Residentia	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	0	) SF

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						Measure Life Annual Savings		<u>-</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
1039 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	5 1	SF
1040 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation	Insulate Floors - R-11 to R-22 -	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-specifc measure with the related average heating system measure.	25	5 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-specifc measure with the related average heating system measure.	25	5 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-specifc measure with the related average heating system measure.	25	; 1	SF
1043 ResMHWx_v3_1	Residential	Envelope - Existing	Insulation		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-specifc measure with the related average heating system measure.	25	s 0	SF
			Prime Window or Patio	Windows - Single Pane to Class 22 - Heating Zone 3 (Heat Pump Heating	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-specifc measure with the related	25	25	SF
1044 ResMHWx_v3_1	residential	Envelope - Existing	Door Replacement  Prime Window or Patio	Windows - Double Pane to Class 22 -	average heating system measure.  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 sustant paging and programs and programs are programs and programs.	25	. 25	эг
1045 ResMHWx_v3_1	Residential	Envelope - Existing	Door Replacement	Heating Zone 3 (Heat Pump Heating System)	system-specifc measure with the related average heating system measure.	25	5 17	SF

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Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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-specifc 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-specifc 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 systemspecifc measure with the related average heating system measure.  Measure shall comply with the RTF Residiential	25	3 SF
1050 ResMHWx_v3_1	Residential	Envelope - Existing	Infiltration Control	Infiltration Reduction - per CFM50 reduction - Heating Zone 3 (Heat Pump Heating System)	Weatherization Specifications, including verification of change in air change rate through pre and post measurement of infilitration/exfiltration using blower door. Programs may not combine the use of this heating system-specifc 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) Multi Family Weatherization -	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	45	1 SF
1052 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-19 - Heating Zone 1 (Average Heating System) Multi Family Weatherization -	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	45	1 SF
1053 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-30 - Heating Zone 1 (Average Heating System)	RTF's weatherization specifications for site built homes.	45	1 SF

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Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
				Multi Family Weatherization - Insulate Floors - R-19 to R-30 -	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be		
				Heating Zone 1 (Average Heating	installed in substantial compliance with the RTF's		
1054 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.	45	0 SF
					Existing insulation must be less than R-11. Insulation		
				Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built		
1055 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	homes.	45	2 SF
					Existing insulation must be less than R-11. Insulation		
				Multi Family Weatherization -	must be installed in substantial compliance with the		
1056 ResWXMF v2 2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-38 - Heating Zone 1 (Average Heating System)	RTF's weatherization specifications for site built homes.	45	2 SF
				, , , , , , , , , , , , , , , , , , , ,	Existing insulation must be less than R-11. Insulation		
				Multi Family Weatherization -	must be installed in substantial compliance with the		
1057 ResWXMF v2 2	Posidontial	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-49 - Heating Zone 1 (Average Heating System)	RTF's weatherization specifications for site built homes.	45	2 SF
1037 NeSWANNIP_VZ_Z	Resideritiai	Elivelope - Existing	IIISUIdtioii	Zone 1 (Average neating System)	nomes.	43	2 3F
					Existing insulation must be greater than R-19 or less		
				Multi Family Weatherization -	than or equal to R-29. Insulation must be installed in		
1058 ResWXMF v2 2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-30 to R-38 - Heating Zone 1 (Average Heating System)	substantial compliance with the RTF's weatherization specifications for site built homes.	45	0 SF
2000 NeoWilliam _12_2	ricolacilita.	Envelope Existing	audi.o.i	zone i (werage meaning system)	specimentions for site 2 and nomes.	.5	0 5.
					Existing insulation must be greater than R-19 or less		
				Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating	than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization		
1059 ResWXMF v2 2	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	specifications for site built homes.	45	0 SF
				No. dat Engello NAZanako giraking	Existing insulation must be greater than R30 and less		
				Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating	than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization		
1060 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	specifications for site built homes.	45	0 SF
				Multi Family Weatherization -	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be		
				Insulate Attic - R-19 to R-30 - Heating	·		
1061 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	weatherization specifications for site built homes.	45	0 SF
					Existing insulation must be greater than or equal to		
				Multi Family Weatherization -	R11 and less than or equal to R-19. Insulation must be		
				Insulate Attic - R-19 to R-38 - Heating	·		
1062 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	weatherization specifications for site built homes.	45	1 SF
					Existing insulation must be greater than or equal to		
				Multi Family Weatherization -	R11 and less than or equal to R-19. Insulation must be		
4063 P-24004F +2 2	D i - i + i - i	Savelene Scietice	to and add an	_	installed in substantial compliance with the RTF's	45	4 65
1063 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	weatherization specifications for site built homes.  Window and Door installations shall be in substantial	45	1 SF
					compliance with the RTF Weatherization		
					Specifications. Prime windows must have an NFRC		
				Windows - Single Pane to Class 22 -	rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing		
			Prime Window or Patio	Heating Zone 1 (Average Heating	window must be single glazed with wood or metal		
1064 ResWXMF_v2_2	Residential	Envelope - Existing	Door Replacement	System)	frame.	45	24 SF

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Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
1065 ResWXMF_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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	14 SF
1066 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Average Heating System)	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 ResWXMF_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. Patio doors must have an NFRC rated U-factor of 0.35 or lower. Existing window must be double glazed with metal frame.  Window and Door installations shall be in substantial	45	12 SF
1068 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 1 (Average Heating System)	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.  Window and Door installations shall be in substantial compliance with the RTF Weatherization	45	1 SF
1069 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 1 (Average Heating System)	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 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Average Heating System)	weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation	45	2 SF
1071 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 2 (Average Heating System) Multi Family Weatherization -	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	45	1 SF
1072 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	•	RTF's weatherization specifications for site built homes.	45	2 SF
1073 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 2 (Average Heating System)  Multi Family Weatherization -	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	45	0 SF
1074 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-19 - Heating Zone 2 (Average Heating System)  Multi Family Weatherization -	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	45	2 SF
1075 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-38 - Heating Zone 2 (Average Heating System)	RTF's weatherization specifications for site built homes.	45	3 SF

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						Measure Life Annual Savings		<u>(s -</u>
<u>Line # Reference</u>	Sector	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name  Multi Family Weatherization -	<u>Delivery Mechanism or Program</u> Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the	(years)	Site (kwh/yr)	<u>) UOM</u>
1076 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-49 - Heating Zone 2 (Average Heating System)	RTF's weatherization specifications for site built homes.	45		3 SF
1077 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 2 (Average Heating System)	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	45		1 SF
1083 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Average Heating System)	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	3	32 SF
1084 ResWXMF_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. 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	45	1	.9 SF
1085 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Average Heating System)	an NFRC rated U-factor of 0.35 or lower. Existing window must be single glazed with wood or metal frame.	45	3	30 SF

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Line # Reference	Sector	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
1086 ResWXMF_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	7 SF
			Prime Window or Patio	Windows - Class 35 to Class 30 - Heating Zone 2 (Average Heating	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			
1087 ResWXMF_v2_2	Residential	Envelope - Existing	Door Replacement	System) Windows - Class 35 to Class 22 -	an NFRC rated U-factor of 0.35 or lower.  Window and Door installations shall be in substantial compliance with the RTF Weatherization  Specifications. Prime windows must have an NFRC	45	2	? SF
1088 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Heating Zone 2 (Average Heating System)	rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower.	45	5	5 SF
1089 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 3 (Average Heating System)  Multi Family Weatherization -	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	45	2	! SF
1090 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Average Heating System)  Multi Family Weatherization -	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	45	2	! SF
1091 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Average Heating System)  Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 3 (Average Heating	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	45	2	! SF
1092 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	System)  Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating	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	45	C	) SF
1093 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Average Heating System)  Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating	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	45	3	3 SF
1094 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Average Heating System)  Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating	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	45	4	I SF
1095 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Average Heating System)	homes.  Existing insulation must be greater than R-19 or less	45	4	l SF
1096 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Average Heating System)	specifications for site built homes.  Existing insulation must be greater than R-19 or less	45	C	) SF
1097 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-30 to R-49 - Heating Zone 3 (Average Heating System)	than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	C	) SF

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
1098 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_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	45	1 SF
1102 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Average Heating System)	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.  Window and Door installations shall be in substantial	45	39 SF
1103 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 3 (Average Heating System)	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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	24 SF
1104 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Average Heating System)	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
1105 ResWXMF_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. 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
1106 ResWXMF_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. Patio doors must have an NFRC rated U-factor of 0.35 or lower.	45	2 SF

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				Windows - Class 35 to Class 22 -	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC			
			Prime Window or Patio	Heating Zone 3 (Average Heating	rated U-factor of 0.22 or lower. Patio doors must have			
1107 ResWXMF_v2_2	Residential	Envelope - Existing	Door Replacement	System)	an NFRC rated U-factor of 0.30 or lower.	45	5	S SF
				Multi Family Weatherization -	No existing wall insulation. Insulation must be installed			
1108 ResWXMF_v2_2	Posidontial	Envelope - Existing	Insulation	Insulate Walls - R-0 to R-11 - Heating Zone 1 (Zonal Heating System)	in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1100 (G3WXWII _V2_2	Nesidelitiai	Livelope - Laisting	msdiation	Zone 1 (Zonai ricating System)	Existing insulation must be less than R-11. Insulation	43	-	. 31
				Multi Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Floors - R-0 to R-19 - Heating	RTF's weatherization specifications for site built			
1109 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	homes.	45	1	SF
					Existing insulation must be less than R-11. Insulation			
				Multi Family Weatherization -	must be installed in substantial compliance with the			
1110 ResWXMF v2 2	Posidontial	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	RTF's weatherization specifications for site built homes.	45	1	SF
1110 Neswalvii _vz_z	Nesidelitiai	Livelope - Laisting	madiation	Zone 1 (Zonai ricating System)	nomes.	43	-	. 31
				Multi Family Weatherization -	Existing insulation must be greater than or equal to			
				Insulate Floors - R-19 to R-30 -	R11 and less than or equal to R-19. Insulation must be			
				Heating Zone 1 (Zonal Heating	installed in substantial compliance with the RTF's			
1111 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.	45	C	) SF
				Multi Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-19 - Heating	RTF's weatherization specifications for site built			
1112 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	homes.	45	2	. SF
					Existing insulation must be less than R-11. Insulation			
				Multi Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-38 - Heating	RTF's weatherization specifications for site built		_	
1113 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	homes.	45	2	2 SF
				Multi Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built			
1114 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	homes.	45	2	SF
				Multi Family Wooth origotion	Existing insulation must be greater than R-19 or less			
				Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating	than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization			
1115 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	specifications for site built homes.	45	C	) SF
- <del>-</del>					•			
					Existing insulation must be greater than R-19 or less			
				Multi Family Weatherization -	than or equal to R-29. Insulation must be installed in			
1116 ResWXMF v2 2	Posidontial	Envelope - Existing	Insulation	Insulate Attic - R-30 to R-49 - Heating Zone 1 (Zonal Heating System)	substantial compliance with the RTF's weatherization specifications for site built homes.	45		) SF
1110 (GSVVAIVII _V2_2	Nesidelitiai	Livelope - Laisting	ilisulation	Zone 1 (Zonai neating System)	specifications for site built nomes.	43		) 31
					Existing insulation must be greater than R30 and less			
				Multi Family Weatherization -	than or equal to R-38. Insulation must be installed in			
				•	·			
1117 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	specifications for site built homes.	45	C	) SF
					Existing insulation must be greater than or equal to			
				Multi Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
				•	installed in substantial compliance with the RTF's			
1118 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	weatherization specifications for site built homes.	45	C	) SF

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						Measure Life	Annual Savings -
Line # Reference	Sector Catego	ory	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
1119 ResWXMF_v2_2	Residential Envelo	ope - 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
				Multi Family Weatherization -	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		
1120 ResWXMF_v2_2	Residential Envelo	ope - Existing	Insulation	Zone 1 (Zonal Heating System)	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	45	1 SF
1121 ResWXMF_v2_2	Residential Envelo	ope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Zonal Heating System)	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 ResWXMF_v2_2	Residential Envelo	ope - 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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	14 SF
1123 ResWXMF_v2_2	Residential Envelo	ope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Zonal Heating System)	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
1124 ResWXMF_v2_2	Residential Envelo	ope - 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.	45	12 SF
1125 ResWXMF_v2_2	Residential Envelo	ope - 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 ResWXMF_v2_2	Residential Envelo	ope - 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 ResWXMF_v2_2	Residential Envelo	ope - Existing	Insulation	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	45	2 SF
1128 ResWXMF_v2_2	Residential Envelo	ope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 2 (Zonal Heating System)	must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1 SF

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						Measure Life	Annual Savings	<u>-</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Existing insulation must be less than R-11. Insulation	(years)	Site (kwh/yr)	<u>UOM</u>
				Multi Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Floors - R-0 to R-30 - Heating	RTF's weatherization specifications for site built			
1129 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	homes.	45	2	SF
				Multi Family Weatherization - Insulate Floors - R-19 to R-30 -	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be			
				Heating Zone 2 (Zonal Heating	installed in substantial compliance with the RTF's			
1130 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation	45	0	SF
				Multi Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-19 - Heating	RTF's weatherization specifications for site built			
1131 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	homes.	45	2	SF
					Existing insulation must be less than R-11. Insulation			
				Multi Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-38 - Heating	RTF's weatherization specifications for site built			
1132 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	homes.	45	3	SF
					Existing insulation must be less than R-11. Insulation			
				Multi Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built			
1133 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	homes.	45	3	SF
					Existing insulation must be greater than R-19 or less			
				Multi Family Weatherization -	than or equal to R-29. Insulation must be installed in			
				Insulate Attic - R-30 to R-38 - Heating	substantial compliance with the RTF's weatherization			
1134 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	specifications for site built homes.	45	0	SF
					Existing insulation must be greater than R-19 or less			
				Multi Family Weatherization -	than or equal to R-29. Insulation must be installed in			
				Insulate Attic - R-30 to R-49 - Heating	substantial compliance with the RTF's weatherization			
1135 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	specifications for site built homes.	45	0	SF
					Existing insulation must be greater than R30 and less			
				Multi Family Weatherization -	than or equal to R-38. Insulation must be installed in			
				•	substantial compliance with the RTF's weatherization			
1136 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	specifications for site built homes.	45	0	SF
1150 (1651)12_1	ricorderreidi	zintelope zwoting	saidt.o	zone z (zona neating system)	specimental for site same nomes.	.5	v	5.
					Existing insulation must be greater than or equal to			
				Multi Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
					installed in substantial compliance with the RTF's			
1137 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	weatherization specifications for site built homes.	45	1	SF
					Existing insulation must be greater than or equal to			
				Multi Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
				Insulate Attic - R-19 to R-38 - Heating	installed in substantial compliance with the RTF's			
1138 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	weatherization specifications for site built homes.	45	1	SF
					Existing insulation must be greater than or equal to			
				Multi Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
1120 Pec/MVMF 2	Desidential	Envelope Evicting	Inculation	_	installed in substantial compliance with the RTF's	45	1	C.F.
1139 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	weatherization specifications for site built homes.  Window and Door installations shall be in substantial	45	1	SF
					compliance with the RTF Weatherization			
					Specifications. Prime windows must have an NFRC			
					rated U-factor of 0.22 or lower. Patio doors must have			
				Windows - Single Pane to Class 22 -	an NFRC rated U-factor of 0.30 or lower. Existing			
			Prime Window or Patio	Heating Zone 2 (Zonal Heating	window must be single glazed with wood or metal			
1140 ResWXMF_v2_2	Residential	Envelope - Existing	Door Replacement	System)	frame.	45	32	SF
			- p	•			-	

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						Measure Life Annual Savings -		
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr)	<u>UOM</u>
1141 ResWXMF_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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	19	) SF
1142 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Zonal Heating System)	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
1143 ResWXMF_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 0.30 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.  Window and Door installations shall be in substantial	45	16	5 SF
1144 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 2 (Zonal Heating System)	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.  Window and Door installations shall be in substantial	45	2	2 SF
1145 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Zonal Heating System)	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	5 SF
1146 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 3 (Zonal Heating System)  Multi Family Weatherization -	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	45	2	2 SF
1147 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	•	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	45	2	2 SF
1148 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-30 - Heating Zone 3 (Zonal Heating System)	RTF's weatherization specifications for site built homes.	45	2	2 SF
1149 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 3 (Zonal Heating System)  Multi Family Weatherization -	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	45	(	) SF
1150 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-19 - Heating Zone 3 (Zonal Heating System)  Multi Family Weatherization -	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	45	ŝ	3 SF
1151 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-38 - Heating Zone 3 (Zonal Heating System)	RTF's weatherization specifications for site built homes.	45	2	1 SF

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
1152 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	1 SF
1159 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Zonal Heating System)	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 ResWXMF_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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	24 SF
1161 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Zonal Heating System)	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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Line # Reference	Soctor	Catagony	Subsatagoni	Dragast Full Maggura Nama			Annual Savings - Site (kwh/vr) UOM
LINE # REFERENCE	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (KWII/YI) OOW
					Window and Door installations shall be in substantial		
					compliance with the RTF Weatherization  Specifications. Prime windows must have an NFRC		
				Windows - Double Pane to Class 30 -	rated U-factor of 0.30 or lower. Patio doors must have		
			Prime Window or Patio	Heating Zone 3 (Zonal Heating	an NFRC rated U-factor of 0.35 or lower. Existing		
1162 ResWXMF_v2_2	Residential	Envelope - Existing	Door Replacement	System)	window must be double glazed with metal frame.	45	20 SF
					Window and Door installations shall be in substantial		
					compliance with the RTF Weatherization		
				Windows - Class 35 to Class 30 -	Specifications. Prime windows must have an NFRC		
1163 ResWXMF v2 2	Posidontial	Envelope - Existing	Prime Window or Patio Door Replacement	Heating Zone 3 (Zonal Heating System)	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
1103 (165)	Residential	Livelope - Existing	boor replacement	Systemy	an wherated oractor of 0.55 or lower.	43	2 31
					Window and Door installations shall be in substantial		
				W. I. O. O. O. O.	compliance with the RTF Weatherization		
			Prime Window or Patio	Windows - Class 35 to Class 22 - Heating Zone 3 (Zonal Heating	Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Patio doors must have		
1164 ResWXMF_v2_2	Residential	Envelope - Existing	Door Replacement	System)	an NFRC rated U-factor of 0.30 or lower.	45	5 SF
				Multi Family Weatherization -	No existing wall insulation. Insulation must be installed		
1165 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Walls - R-0 to R-11 - Heating Zone 1 (Electric FAF Heating System)	•	45	1 SF
1205 11651712_1	ricordericia	zireiope zinsting	msalación.	Zone I (Ziectne i / ii ii ii ii ii jo jotem)	Existing insulation must be less than R-11. Insulation	.5	2 0.
				Multi Family Weatherization -	must be installed in substantial compliance with the		
4466 PNVMF +2 2	D!-!	Formalism Fortables	Inculation	_	RTF's weatherization specifications for site built	45	4 65
1166 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)	nomes.  Existing insulation must be less than R-11. Insulation	45	1 SF
				Multi Family Weatherization -	must be installed in substantial compliance with the		
				_	RTF's weatherization specifications for site built		
1167 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)	homes.	45	1 SF
				Multi Family Weatherization -	Existing insulation must be greater than or equal to		
				Insulate Floors - R-19 to R-30 -	R11 and less than or equal to R-19. Insulation must be		
4450.0	5				installed in substantial compliance with the RTF's	4-	0.65
1168 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.  Existing insulation must be less than R-11. Insulation	45	0 SF
				Multi Family Weatherization -	must be installed in substantial compliance with the		
				Insulate Attic - R-0 to R-19 - Heating	RTF's weatherization specifications for site built		
1169 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)		45	2 SF
				Multi Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the		
				Insulate Attic - R-0 to R-38 - Heating	RTF's weatherization specifications for site built		
1170 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)		45	2 SF
				Multi Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the		
				Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built		
1171 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)	•	45	2 SF
					5		
				Multi Family Weatherization -	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		
1172 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)		45	0 SF
					Evicting insulation must be greater than D.40		
				Multi Family Weatherization -	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		
1173 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)	specifications for site built homes.	45	0 SF

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
1174 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-38 to R-49 - Heating Zone 1 (Electric FAF Heating System)	•	45	0 SF
1175 ResWXMF_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	O SF
1176 ResWXMF_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 ResWXMF_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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	1 SF
1178 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Electric FAF Heating System)	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.  Window and Door installations shall be in substantial	45	24 SF
1179 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 1 (Electric FAF Heating System)	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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	14 SF
1180 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Electric FAF Heating System)	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 ResWXMF_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 ResWXMF_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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						Measure Life Annual Savings -		<u>:-</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				Windows - Class 35 to Class 22 -	Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC			
			Prime Window or Patio	Heating Zone 1 (Electric FAF Heating	rated U-factor of 0.22 or lower. Patio doors must have			
1183 ResWXMF_v2_2	Residential	Envelope - Existing	Door Replacement	System)	an NFRC rated U-factor of 0.30 or lower.	45	3	S SF
				Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's			
1184 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	weatherization specifications for site built homes.	45	2	SF
				Multi Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the			
1185 ResWXMF v2 2	Residential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	RTF's weatherization specifications for site built homes.	45	1	SF
1100 1100 1110 110	ricoldential	ziivelope ziiistiilig	modiación.	Zone Z (Ziedune Iviii Tiedunig Dystein)	Existing insulation must be less than R-11. Insulation	.5	•	
				Multi Family Weatherization -	must be installed in substantial compliance with the			
119C DecMVME v2 2	Decidential	Envelope Evieting	Inculation	•	RTF's weatherization specifications for site built	45		. SF
1186 ResWXMF_v2_2	Kesidentiai	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	nomes.	45	2	2 SF
				Multi Family Weatherization -	Existing insulation must be greater than or equal to			
				Insulate Floors - R-19 to R-30 -	R11 and less than or equal to R-19. Insulation must be			
4407 DMANAE 2 2	Danisla astal	Formalism Friedrich	Landation.	Heating Zone 2 (Electric FAF Heating	installed in substantial compliance with the RTF's	45		
1187 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.  Existing insulation must be less than R-11. Insulation	45	(	) SF
				Multi Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-19 - Heating	RTF's weatherization specifications for site built			
1188 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	homes.	45	2	SF
				Multi Family Weatherization -	Existing insulation must be less than R-11. Insulation			
				Insulate Attic - R-0 to R-38 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built			
1189 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	homes.	45	3	S SF
					Existing insulation must be less than R-11. Insulation			
				Multi Family Weatherization -	must be installed in substantial compliance with the			
1190 ResWXMF_v2_2	Posidontial	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-49 - Heating Zone 2 (Electric FAF Heating System)	RTF's weatherization specifications for site built homes.	45	2	3 SF
1130 NESWANNI _V2_2	Nesidelitiai	Lilvelope - Existing	msdiation	Zone 2 (Electric FAI Treating System)	nonies.	43	-	) 31
					Existing insulation must be greater than R-19 or less			
				Multi Family Weatherization -	than or equal to R-29. Insulation must be installed in			
1191 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-30 to R-38 - Heating Zone 2 (Electric FAF Heating System)	substantial compliance with the RTF's weatherization specifications for site built homes.	45	(	) SF
1131 16347/1411 _42_2	Residential	Envelope Existing	msdidtion	Zone 2 (Electric 17th Fleating System)	specifications for site balle florings.	43		, 31
					Existing insulation must be greater than R-19 or less			
				Multi Family Weatherization -	than or equal to R-29. Insulation must be installed in			
1192 ResWXMF v2 2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-30 to R-49 - Heating Zone 2 (Electric FAF Heating System)	substantial compliance with the RTF's weatherization specifications for site built homes.	45	(	) SF
1132 116617/1111 _12_1	ricoldericial	zintelope zxisting	modiación.	Zone Z (Ziedune vym viedung bystein)	specimentions for site bank normes.	.5		, 5.
					Existing insulation must be greater than R30 and less			
				Multi Family Weatherization -	than or equal to R-38. Insulation must be installed in			
1193 ResWXMF v2 2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-38 to R-49 - Heating Zone 2 (Electric FAF Heating System)	substantial compliance with the RTF's weatherization specifications for site built homes.	45	(	) SF
2233 11001111111111111111111111111111111	. acsidential	E Clope Existing		zone z (ziecune i/n riedung system)	Specifications for site built fromes.	43		
					Existing insulation must be greater than or equal to			
				Multi Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
1194 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
	co.aciida	e.ope Existing		z (Liestine in Fredering System)		-13		· ••

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							Annual Savings -
<u>Line # Reference</u>	Sector	<u>Category</u>	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
1195 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation		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 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	_	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	45	1 SF
1197 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Electric FAF Heating System)	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	33 SF
1198 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement		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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	20 SF
1199 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Electric FAF Heating System)	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.  Window and Poor installations shall be in substantial.	45	30 SF
1200 ResWXMF_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. 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
1201 ResWXMF_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. Patio doors must have an NFRC rated U-factor of 0.35 or lower.  Window and Door installations shall be in substantial	45	2 SF
1202 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 2 (Electric FAF Heating System)	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
1203 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation		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	45	2 SF
1204 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation		RTF's weatherization specifications for site built	45	2 SF

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
				Multi Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the		
				•	RTF's weatherization specifications for site built		
1205 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	·	45	2 SF
				Multi Family Weatherization -	Existing insulation must be greater than or equal to		
				Insulate Floors - R-19 to R-30 -	R11 and less than or equal to R-19. Insulation must be		
				Heating Zone 3 (Electric FAF Heating	installed in substantial compliance with the RTF's		
1206 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.	45	0 SF
					Existing insulation must be less than R-11. Insulation		
				Multi Family Weatherization -	must be installed in substantial compliance with the		
1207 ResWXMF v2 2	Posidontial	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-19 - Heating Zone 3 (Electric FAF Heating System)	RTF's weatherization specifications for site built homes.	45	3 SF
1207 ReSWAIVIF_VZ_Z	Residential	Elivelope - Existing	ilisulation	Zone 3 (Liectric FAI Treating System)	Existing insulation must be less than R-11. Insulation	43	3 3F
				Multi Family Weatherization -	must be installed in substantial compliance with the		
				Insulate Attic - R-0 to R-38 - Heating	RTF's weatherization specifications for site built		
1208 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	homes.	45	4 SF
					Existing insulation must be less than R-11. Insulation		
				Multi Family Weatherization -	must be installed in substantial compliance with the		
4200 0 100445 0 0	5		La collection	Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built		4.65
1209 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	homes.	45	4 SF
					Existing insulation must be greater than R-19 or less		
				Multi Family Weatherization -	than or equal to R-29. Insulation must be installed in		
				Insulate Attic - R-30 to R-38 - Heating	substantial compliance with the RTF's weatherization		
1210 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	specifications for site built homes.	45	0 SF
				Multi Family Weatherization -	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		
1211 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	•	45	1 SF
					Existing insulation must be greater than R30 and less		
				Multi Family Weatherization -	than or equal to R-38. Insulation must be installed in		
1212 ResWXMF_v2_2	Posidontial	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	substantial compliance with the RTF's weatherization	45	0 SF
1212 I/C3WANNI _V2_2	Nesidelitiai	Livelope - Lxisting	ilisulation	Zone 3 (Liectric FAI Treating System)	specifications for site built nomes.	45	0 31
					Existing insulation must be greater than or equal to		
				Multi Family Weatherization -	R11 and less than or equal to R-19. Insulation must be		
				_	installed in substantial compliance with the RTF's		
1213 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	weatherization specifications for site built homes.	45	1 SF
					Existing insulation must be greater than or equal to		
				Multi Family Weatherization -	R11 and less than or equal to R-19. Insulation must be		
				Insulate Attic - R-19 to R-38 - Heating	installed in substantial compliance with the RTF's		
1214 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	weatherization specifications for site built homes.	45	1 SF
					Fortable a form lability or making any attention and any angles.		
				Multi Family Weatherization -	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		
1215 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation		weatherization specifications for site built homes.	45	1 SF
					Window and Door installations shall be in substantial		
					compliance with the RTF Weatherization		
					Specifications. Prime windows must have an NFRC		
				Windows Single Page to Class 33	rated U-factor of 0.22 or lower. Patio doors must have		
			Prime Window or Patio	Windows - Single Pane to Class 22 - Heating Zone 3 (Electric FAF Heating	an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or metal		
1216 ResWXMF_v2_2	Residential	Envelope - Existing	Door Replacement	System)	frame.	45	40 SF
		. 0	•				

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						Measure Life Annual Savings -		
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
1217 ResWXMF_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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	24	1 SF
1218 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Electric FAF Heating System)	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	7 SF
1219 ResWXMF_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 0.30 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.  Window and Door installations shall be in substantial	45	21	1 SF
1220 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 30 - Heating Zone 3 (Electric FAF Heating System)	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.  Window and Door installations shall be in substantial	45	2	2 SF
1221 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Class 35 to Class 22 - Heating Zone 3 (Electric FAF Heating System)	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	5 SF
1222 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating Zone 1 (Heat Pump Heating System) Multi Family Weatherization -	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	45	1	l SF
1223 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-19 - Heating	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	45	C	) SF
1224 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation		RTF's weatherization specifications for site built	45	(	) SF
1225 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 1 (Heat Pump Heating System) Multi Family Weatherization -	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	45	C	) SF
1226 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-19 - Heating Zone 1 (Heat Pump Heating System)  Multi Family Weatherization -	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	45	1	1 SF
1227 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-38 - Heating Zone 1 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes.	45	1	1 SF

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Line # Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
1228 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_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. Window and Door installations shall be in substantial compliance with the RTF Weatherization	45	0 SF
1235 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 1 (Heat Pump Heating System)	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 ResWXMF_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. 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	45	8 SF
1237 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 1 (Heat Pump Heating System)	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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Line # Defenses	Conton	Catanami	Subsets som.	Dunnant Full Manager Name			Annual Savings - Site (kwh/vr) UOM
<u>Line # Reference</u>	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (RWII/YF) OOM
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
					Window and Door installations shall be in substantial compliance with the RTF Weatherization		
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)	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
12-10 NCSWAWII _1/2_2	Residential	Envelope Existing	Boor Replacement			43	2 31
				Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's		
1241 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Heat Pump Heating System)	weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation	45	1 SF
				-	must be installed in substantial compliance with the RTF's weatherization specifications for site built		
1242 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Heat Pump Heating System)  Multi Family Weatherization -	homes.  Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the	45	1 SF
4040.0 1100.0 0.0				Insulate Floors - R-0 to R-30 - Heating	RTF's weatherization specifications for site built		4 05
1243 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Heat Pump Heating System)	homes.	45	1 SF
				Multi Family Weatherization - Insulate Floors - R-19 to R-30 - Heating Zone 2 (Heat Pump Heating	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		
1244 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation	45	0 SF
				Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built		
1245 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Heat Pump Heating System)	homes. Existing insulation must be less than R-11. Insulation	45	1 SF
				Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built		
1246 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Heat Pump Heating System)  Multi Family Weatherization -	homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the	45	2 SF
				Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built		
1247 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Heat Pump Heating System)	homes.	45	2 SF
				Multi Family Weatherization -	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in		
1248 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Insulate Attic - R-30 to R-38 - Heating Zone 2 (Heat Pump Heating System)	substantial compliance with the RTF's weatherization specifications for site built homes.	45	0 SF
				_	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		
1249 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 2 (Heat Pump Heating System)	specifications for site built homes.	45	0 SF

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings - Site (kwh/yr) UOM
1250 ResWXMF_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 ResWXMF_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 ResWXMF_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 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 2 (Heat Pump Heating System)	weatherization specifications for site built homes. Window and Door installations shall be in substantial compliance with the RTF Weatherization	45	1 SF
1254 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 2 (Heat Pump Heating System)	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.  Window and Door installations shall be in substantial	45	21 SF
1255 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Double Pane to Class 22 - Heating Zone 2 (Heat Pump Heating System)	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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	13 SF
1256 ResWXMF_v2_2	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 2 (Heat Pump Heating System)	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	19 SF
1257 ResWXMF_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. Existing window must be double glazed with metal frame.	45	12 SF
1258 ResWXMF_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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						Measure Life Annual Savings -		<u>s -</u>
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
			Prime Window or Patio	Windows - Class 35 to Class 22 - Heating Zone 2 (Heat Pump Heating	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			
1259 ResWXMF_v2_2	Residential	Envelope - Existing	Door Replacement	System)	an NFRC rated U-factor of 0.30 or lower.	45	3	3 SF
				Multi Family Weatherization - Insulate Walls - R-0 to R-11 - Heating	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's			
1260 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)  Multi Family Weatherization -	weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the	45	1	1 SF
1261 ResWXMF v2 2	Posidontial	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-19 - Heating Zone 3 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes.	45	1	1 SF
1201 RESWAWIF_V2_2	Residential	Elivelope - Existing	IIIsulation	Zone 3 (neat rump neating system)	Existing insulation must be less than R-11. Insulation	45		1 35
4262 Day WAME + 2, 2	Davida ukial	Fundam Fulation	Insulation	-	must be installed in substantial compliance with the RTF's weatherization specifications for site built	45		
1262 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	homes.	45	1	1 SF
				Multi Family Weatherization -	Existing insulation must be greater than or equal to			
				Insulate Floors - R-19 to R-30 - Heating Zone 3 (Heat Pump Heating	R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's			
1263 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.	45	(	) SF
					Existing insulation must be less than R-11. Insulation			
				Multi Family Weatherization - Insulate Attic - R-0 to R-19 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built			
1264 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	homes.	45	2	2 SF
				Adulai Fansili Wasali adaadaa	Existing insulation must be less than R-11. Insulation			
				Multi Family Weatherization - Insulate Attic - R-0 to R-38 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built			
1265 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	homes.	45	2	2 SF
				Adulai Fansili Wasali adaadaa	Existing insulation must be less than R-11. Insulation			
				Multi Family Weatherization - Insulate Attic - R-0 to R-49 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built			
1266 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	homes.	45	2	2 SF
					Existing insulation must be greater than R-19 or less			
				Multi Family Weatherization - Insulate Attic - R-30 to R-38 - Heating	than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization			
1267 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	specifications for site built homes.	45	(	) SF
				Multi Family Weatherization -	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in			
				Insulate Attic - R-30 to R-49 - Heating	•			
1268 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	specifications for site built homes.	45	(	) SF
				Multi Family Weatherization -	Existing insulation must be greater than R30 and less than or equal to R-38. Insulation must be installed in			
				Insulate Attic - R-38 to R-49 - Heating	substantial compliance with the RTF's weatherization			
1269 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	specifications for site built homes.	45	(	) SF
					Existing insulation must be greater than or equal to			
				Multi Family Weatherization -	R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's			
1270 ResWXMF_v2_2	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	weatherization specifications for site built homes.	45	(	) SF
		•						

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	Sector Cates	<u>egory</u>	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
1271 ResWXMF_v2_2	Residential Envel	elone - Existing	Insulation	•	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
22/2 (63///12_2	Nesidential Enve	elope Existing			Existing insulation must be greater than or equal to	.5	1 0.
1272 ResWXMF_v2_2	Residential Envel	elope - Existing	Insulation	Multi Family Weatherization - Insulate Attic - R-19 to R-49 - Heating Zone 3 (Heat Pump Heating System)	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	45	1 SF
1273 ResWXMF_v2_2	Residential Envel		Prime Window or Patio Door Replacement	Windows - Single Pane to Class 22 - Heating Zone 3 (Heat Pump Heating System)	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 Envel		Prime Window or Patio Door Replacement		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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	18 SF
1275 ResWXMF_v2_2	Residential Envel		Prime Window or Patio Door Replacement	Windows - Single Pane to Class 30 - Heating Zone 3 (Heat Pump Heating System)	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	27 SF
1276 ResWXMF_v2_2	Residential Envel		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.	45	16 SF
1277 ResWXMF_v2_2	Residential Envel		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 Envel	elope - 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 Envel	elope - Existing	Insulation	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	45	2 SF
1280 ResSFWx_v2_4	Residential Envel	elope - Existing	Insulation	Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating Zone 1 (Average Heating System)	must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1 SF

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						Measure Life	Annual Savings	<u>s -</u>
Line # Reference	Sector	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Existing insulation must be less than R-11. Insulation	(years)	Site (kwh/yr)	<u>UOM</u>
				Single Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Floors - R-0 to R-30 - Heating	RTF's weatherization specifications for site built			
1281 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	homes.	45	1	1 SF
				Single Family Weatherization - Insulate Floors - R-19 to R-30 -	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be			
				Heating Zone 1 (Average Heating	installed in substantial compliance with the RTF's			
1282 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation	45	C	0 SF
				Single Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-19 - Heating	RTF's weatherization specifications for site built			
1283 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	homes.	45	2	2 SF
					Existing insulation must be less than R-11. Insulation			
				Single Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-38 - Heating	RTF's weatherization specifications for site built			
1284 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	homes.	45	2	2 SF
					Existing insulation must be less than R-11. Insulation			
				Single Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built			
1285 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	homes.	45	2	2 SF
					Existing insulation must be greater than R-19 or less			
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in			
				Insulate Attic - R-30 to R-38 - Heating	substantial compliance with the RTF's weatherization			
1286 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	specifications for site built homes.	45	C	0 SF
					Existing insulation must be greater than R-19 or less			
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in			
				Insulate Attic - R-30 to R-49 - Heating	substantial compliance with the RTF's weatherization			
1287 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	specifications for site built homes.	45	C	0 SF
					Fullating insulation must be greater than B20 and less			
				Single Femily Weetherinsties	Existing insulation must be greater than R30 and less			
				Single Family Weatherization -	than or equal to R-38. Insulation must be installed in			
4200 PCFM/ 2 4	Danisla akial	Facilities Friedrice	to and add an	_	substantial compliance with the RTF's weatherization	4.5		0. 65
1288 ResSFWx_v2_4	Kesidentiai	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	specifications for site built homes.	45	·	0 SF
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
				Insulate Attic - R-19 to R-30 - Heating	installed in substantial compliance with the RTF's			
1289 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	weatherization specifications for site built homes.	45	C	0 SF
				, , ,	·			
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
				Insulate Attic - R-19 to R-38 - Heating	installed in substantial compliance with the RTF's			
1290 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	weatherization specifications for site built homes.	45	1	1 SF
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
				Insulate Attic - R-19 to R-49 - Heating	installed in substantial compliance with the RTF's			
1291 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Average Heating System)	weatherization specifications for site built homes.	45	1	1 SF
					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			
				Windows - Single Pane to Class 22 -	an NFRC rated U-factor of 0.30 or lower. Existing			
			Prime Window or Patio	Heating Zone 1 (Average Heating	window must be single glazed with wood or metal			
1292 ResSFWx_v2_4	Residential	Envelope - Existing	Door Replacement	System)	frame.	45	23	3 SF

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	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)	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. 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
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.  Window and Door installations shall be in substantial	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)	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
				Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 1 (Average	Change in air change rate must be verified through pre and post measurement of infilitration/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		
1298 ResSFWx_v2_4	Residential	Envelope - Existing	Infiltration Control	Heating System) Single Family Weatherization -	are claimed.  No existing wall insulation. Insulation must be installed	45	0 SF
1299 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Walls - R-0 to R-11 - Heating Zone 2 (Average Heating System)  Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating	weatherization specifications for site built homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the	45	2 SF
1300 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Average Heating System)  Single Family Weatherization -	homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the	45	1 SF
1301 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation		RTF's weatherization specifications for site built homes.	45	2 SF

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						Measure Life Annual Savings		<u>-</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				Single Family Weatherization -	Existing insulation must be greater than or equal to			
				Insulate Floors - R-19 to R-30 -	R11 and less than or equal to R-19. Insulation must be			
				Heating Zone 2 (Average Heating	installed in substantial compliance with the RTF's			
1302 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.	45	C	SF
				Single Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-19 - Heating	RTF's weatherization specifications for site built			
1303 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Average Heating System)	homes.	45	2	SF
					Existing insulation must be less than R-11. Insulation			
				Single Family Weatherization - Insulate Attic - R-0 to R-38 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built			
1304 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Zone 2 (Average Heating System)	homes.	45	3	SF
				, , , , , , , , , , , , , , , , , , , ,	Existing insulation must be less than R-11. Insulation		_	
				Single Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built		_	
1305 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Average Heating System)	homes.	45	3	SF
					Existing insulation must be greater than R-19 or less			
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in			
				Insulate Attic - R-30 to R-38 - Heating	•			
1306 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Average Heating System)	specifications for site built homes.	45	C	SF
					Existing insulation must be greater than R-19 or less			
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in			
				Insulate Attic - R-30 to R-49 - Heating	substantial compliance with the RTF's weatherization			
1307 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Average Heating System)	specifications for site built homes.	45	C	SF
					Frieting insulation must be greater than B20 and less			
				Single Family Weatherization -	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			
1308 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Average Heating System)	specifications for site built homes.	45	C	SF
					Fortable and a second by a second by a second by			
				Single Family Weatherization -	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be			
				Insulate Attic - R-19 to R-30 - Heating	•			
1309 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Average Heating System)	weatherization specifications for site built homes.	45	1	SF
					Fortable and a state of the second state of th			
				Single Family Weatherization -	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be			
				Insulate Attic - R-19 to R-38 - Heating				
1310 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Average Heating System)	weatherization specifications for site built homes.	45	1	SF
				Single Family Weatherization -	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be			
				Insulate Attic - R-19 to R-49 - Heating	•			
1311 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Average Heating System)	weatherization specifications for site built homes.	45	1	SF
					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			
				Windows - Single Pane to Class 22 -	an NFRC rated U-factor of 0.30 or lower. Existing			
			Prime Window or Patio	Heating Zone 2 (Average Heating	window must be single glazed with wood or metal			
1312 ResSFWx_v2_4	Residential	Envelope - Existing	Door Replacement	System)	frame.	45	32	SF

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	Sector	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	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)	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
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 0.30 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	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.  Window and Door installations shall be in substantial	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)	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 infilitration/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	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	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) Single Family Weatherization -	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	45	2 SF
1321 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation		RTF's weatherization specifications for site built homes.	45	2 SF

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Part   Defence   Part							Measure Life	Annual Savings -
1327 ResSFWs_12_4   Residential Favologe - Existing   Foundation   Favologe - Existi	Line # Reference	<u>Sector</u>	<u>Category</u>	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
Segis Family Weatherstration insulate Attic. 40 to 8-19 - Heather 12 to 19-29 insulation must be less than 61 to 19-29 insulation must be resident of septimental formation of the 19-29 insulation must be resident of septimental formation of the 19-29 insulation must be resident of septimental formation of septimental fo	4000 0 (571)				Insulate Floors - R-19 to R-30 - Heating Zone 3 (Average Heating	R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's		0.05
Part	1322 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	, ,	Existing insulation must be less than R-11. Insulation	45	0 SF
Part	1323 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation		homes.	45	3 SF
Single Family Weatherization with the investment of the September 1 state of the September 2 sta	1324 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-38 - Heating	RTF's weatherization specifications for site built homes.	45	4 SF
Single Family Weatherization—Insulate Attic -R-30 to R-33 - Measuring insulation must be installed in substantial compliance with the RTF's weatherization—Insulate Attic -R-30 to R-33 - Measuring insulation must be installed in substantial compliance with the RTF's weatherization—Insulate Attic -R-30 to R-33 - Measuring insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or less than or equal to R-29. Insulation must be greater than R-19 or R-29. Insulation must be greater than R-19 or R-29. Insulation must be greater than R-19 or R-29 in R-29	1325 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-49 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built	45	4 SF
1326 ResSFWx_v2_4 Residential Envelope - Existing insulation must be greater than R-19 or less than or equal to R-29, insulation must be greater than R-19 or less than or equal to R-29, insulation must be greater than R-19 or less than or equal to R-29, 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 weather/ration specifications for site built homes.  45 0 SF 8 SFWx_v2_4 Residential Envelope - 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 weather/ration specifications for site built homes.  5					Single Family Weatherization -			
Single Family Weatherization - Insulate Attic A270 to R-49 - Heating System)  1327 ResSFWx_v2_4  Residential Envelope - Existing Insulation  Residentia	1326 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	-	•	45	0 SF
Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating System substantial compliance with the RTF's weatherization substantial compliance with the RTF's weatherization substantial compliance with the RTF's weatherization specifications for site built homes.  45 0 SF 0 SF 0 SF 0 Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating System shall be insulated in substantial compliance with the RTF's weatherization specifications for site built homes.  45 0 SF 0 S	1327 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Attic - R-30 to R-49 - Heating	than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization	45	0 SF
1328 ResSFWx_v2_4 Residential Envelope - Existing Insulation Zone 3 (Average Heating System) specifications for site built homes. 45 0 SF    Existing insulation must be greater than or equal to R-19. Insulation must be  Insulate Attic - R-19 to R-30 - Heating insulation must be greater than or equal to R-19. Insulation must be  Insulate Attic - R-19 to R-30 - Heating insulation must be greater than or equal to R-19. Insulation must be  Insulate Attic - R-19 to R-30 - Heating insulation must be greater than or equal to R-19. Insulation must be  Insulate Attic - R-19 to R-30 - Heating insulation must be greater than or equal to R-19. Insulation must be  Insulate Attic - R-19 to R-38 - Heating insulation must be greater than or equal to R-19. Insulation must be  Insulate Attic - R-19 to R-38 - Heating installed in substantial compliance with the RTF's   Weatherization specifications for site built homes. 45 1 SF   Insulation Zone 3 (Average Heating System) Weatherization -  Insulate Attic - R-19 to R-39 - Heating installed in substantial compliance with the RTF's   Weatherization specifications for site built homes. 45 1 SF   Existing insulation must be greater than or equal to R-19. Insulation must be  Insulate Attic - R-19 to R-39 - Heating installed in substantial compliance with the RTF's   Weatherization specifications for site built homes. 45 1 SF   Window and Door installations shall be in substantial compliance with the RTF's   Weatherization specifications for site built homes. 45 1 SF   Window and Door installations shall be in substantial compliance with the RTF's   Weatherization specifications for site built homes. 45 1 SF   Window and Door installations shall be in substantial compliance with the RTF's   Weatherization specifications for site built homes. 45 1 SF   Window and Door installations shall be in substantial compliance with the RTF's   Weatherization specifications for site built homes. 45 1 SF   Window and Door installations shall be in substantial compliance with the RTF's   Window and Do						than or equal to R-38. Insulation must be installed in		
Single Family Weatherization - Insulate Attic - R-19 to R-30 - Heating   Single Family Weatherization - Insulation must be Insulation specifications for site built homes. 45 1 SF      Existing insulation must be greater than or equal to R-19. Insulation must be Insulation substantial compliance with the RTF's weatherization Specifications for site built homes.    Existing insulation must be Insulation substantial compliance with the RTF's weatherization Specifications for site built homes.    Existing insulation must be	1328 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	_	specifications for site built homes.	45	0 SF
Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating 1330 ResSFWx_v2_4  Residential Envelope - Existing Insulation  Residential Envelope - Existing Insulation must be greater than or equal to R-19. Insulation must be greater t	1329 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Attic - R-19 to R-30 - Heating	R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's	45	1 SF
Existing insulation must be greater than or equal to Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating 1331 ResSFWx_v2_4 Residential Envelope - Existing Insulation Residential Envelope - Existing Insulation Insulation Residential Envelope - Existing Insulation Insulation Insulation Insulation Insulation Insulation Single Family Weatherization - Insulate Attic - R-19 to R-49 - Heating System) 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 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 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						R11 and less than or equal to R-19. Insulation must be		
Single Family Weatherization - Insulation must be Insulate Attic - R-19 to R-49 - Heating System)  1331 ResSFWx_v2_4  Residential Envelope - Existing Insulation  Residential Envelope - Existing Insulation  Some 3 (Average Heating System)  Window and Door installations shall be in substantial compliance with the RTF Weatherization specifications for site built homes.  Specifications for site built homes.  Window and Door installations shall be in substantial compliance with the RTF Weatherization specifications for site built homes.  Specifications for site built homes.  Specifications for site built homes.  Window and Door installations shall be in substantial compliance with the RTF Weatherization specifications for site built homes.  Window and Door installations shall be in substantial compliance with the RTF Weatherization specifications for site built homes.  Specifications for site built homes.  Window and Door installations shall be in substantial compliance with the RTF weatherization specifications for site built homes.  Window and Door installations shall be in substantial compliance with the RTF weatherization specifications for site built homes.  Windows and Door installations shall be in substantial compliance with the RTF weatherization specifications for site built homes.  Windows and Door installations shall be in substantial compliance with the RTF weatherization specifications for site built homes.  Windows and Door installations shall be in substantial compliance with the RTF weatherization specifications for site built homes.  Windows and Door installations shall be in substantial compliance with the RTF weatherization specifications for site built homes.  Windows and Door installations shall be in substantial compliance with the RTF weatherization specifications for site built homes.  Windows and Door installations shall be in substantial compliance with the RTF weatherization s	1330 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Average Heating System)	weatherization specifications for site built homes.	45	1 SF
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 Windows - Single Pane to Class 22 - an NFRC rated U-factor of 0.30 or lower. Existing Prime Window or Patio Heating Zone 3 (Average Heating window must be single glazed with wood or metal					Insulate Attic - R-19 to R-49 - Heating	R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's		
Prime Window or Patio Heating Zone 3 (Average Heating window must be single glazed with wood or metal	1331 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation		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	45	1 SF
	1332 ResSFWx_v2_4	Residential	Envelope - Existing		Heating Zone 3 (Average Heating	window must be single glazed with wood or metal	45	40 SF

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	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)	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
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 0.30 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	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.  Window and Door installations shall be in substantial	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)	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
				Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 3 (Average	Change in air change rate must be verified through pre and post measurement of infilitration/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		
1338 ResSFWx_v2_4	Residential	Envelope - Existing	Infiltration Control	Heating System) Single Family Weatherization -	are claimed.  No existing wall insulation. Insulation must be installed	45	1 SF
1339 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Walls - R-0 to R-11 - Heating Zone 1 (Zonal Heating System)  Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating	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	45	2 SF
1340 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)  Single Family Weatherization -	homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the	45	1 SF
1341 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-30 - Heating Zone 1 (Zonal Heating System)		45	1 SF

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						Measure Life	Annual Savings	
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				Single Family Weatherization -	Existing insulation must be greater than or equal to			
				Insulate Floors - R-19 to R-30 -	R11 and less than or equal to R-19. Insulation must be			
				Heating Zone 1 (Zonal Heating	installed in substantial compliance with the RTF's			
1342 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.	45	0	SF
				Circle Feedby Weeth extention	Existing insulation must be less than R-11. Insulation			
				Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built			
1343 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	homes.	45	2	SF
				, , , , , , , , , , , , , , , , , , , ,	Existing insulation must be less than R-11. Insulation			
				Single Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-38 - Heating	RTF's weatherization specifications for site built			
1344 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	homes.	45	2	SF
				Single Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built			
1345 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	homes.	45	2	SF
					Existing insulation must be greater than R-19 or less			
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in			
124C BeecENAN v.2. 4	Desidential	Envelope Evistina	Inculation	•	·	45	0	SF
1346 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	specifications for site built homes.	45	Ü	3F
					Existing insulation must be greater than R-19 or less			
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in			
				Insulate Attic - R-30 to R-49 - Heating	·			
1347 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	specifications for site built homes.	45	0	SF
					Existing insulation must be greater than R30 and less			
				Single Family Weatherization -	than or equal to R-38. Insulation must be installed in			
				Insulate Attic - R-38 to R-49 - Heating	•			
1348 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	specifications for site built homes.	45	0	SF
				Cinala Family Weatheringtion	Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be installed in substantial compliance with the RTF's			
1349 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	weatherization specifications for site built homes.	45	0	SF
				, , , , , , , , , , , , , , , , , , , ,				
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
13E0 BooCEMby 13 4	Desidential	Envelope Evistina	Inculation		installed in substantial compliance with the RTF's	45	1	SF
1350 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	weatherization specifications for site built homes.	45	1	3F
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
				•	installed in substantial compliance with the RTF's			
1351 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Zonal Heating System)	weatherization specifications for site built homes.	45	1	SF
					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			
				Windows - Single Pane to Class 22 -	an NFRC rated U-factor of 0.30 or lower. Existing			
			Prime Window or Patio	Heating Zone 1 (Zonal Heating	window must be single glazed with wood or metal			
1352 ResSFWx_v2_4	Residential	Envelope - Existing	Door Replacement	System)	frame.	45	23	SF

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	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)	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. 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
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.  Window and Door installations shall be in substantial	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)	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
				Infiltration Reduction - 0.1 ACHn reduction - Heating Zone 1 (Zonal	Change in air change rate must be verified through pre and post measurement of infilitration/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		
1358 ResSFWx_v2_4	Residential	Envelope - Existing	Infiltration Control	Heating System)  Single Family Weatherization -	are claimed.  No existing wall insulation. Insulation must be installed	45	0 SF
1359 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Walls - R-0 to R-11 - Heating Zone 2 (Zonal Heating System)  Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating	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	45	2 SF
1360 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)  Single Family Weatherization -	homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the	45	2 SF
1361 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-30 - Heating Zone 2 (Zonal Heating System)		45	2 SF

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Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
				Single Family Weatherization - Insulate Floors - R-19 to R-30 -	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be		
				Heating Zone 2 (Zonal Heating	installed in substantial compliance with the RTF's		
1362 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.	45	0 SF
					Existing insulation must be less than R-11. Insulation		
				Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built		
1363 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	homes.	45	2 SF
					Existing insulation must be less than R-11. Insulation		
				Single Family Weatherization -	must be installed in substantial compliance with the		
1364 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-38 - Heating Zone 2 (Zonal Heating System)	RTF's weatherization specifications for site built homes.	45	3 SF
				3.,,	Existing insulation must be less than R-11. Insulation		
				Single Family Weatherization -	must be installed in substantial compliance with the		
1365 ResSFWx v2 4	Posidontial	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-49 - Heating Zone 2 (Zonal Heating System)	RTF's weatherization specifications for site built homes.	45	3 SF
1505 Ne55FWX_VZ_4	Residential	Elivelope - Existing	IIIsulation	Zone 2 (Zonai neating System)	nomes.	43	3 35
					Existing insulation must be greater than R-19 or less		
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in		
1366 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Insulate Attic - R-30 to R-38 - Heating Zone 2 (Zonal Heating System)	substantial compliance with the RTF's weatherization specifications for site built homes.	45	0 SF
1500 (1655) ****_**2*	residential	Envelope Existing	madiación	Zone Z (Zonai riedenig System)	specifications for site balle fromes.	43	0 31
					Existing insulation must be greater than R-19 or less		
				Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating	than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization		
1367 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	specifications for site built homes.	45	0 SF
				Circle Femily Weekle edention	Existing insulation must be greater than R30 and less		
				Single Family Weatherization - Insulate Attic - R-38 to R-49 - Heating	than or equal to R-38. Insulation must be installed in substantial compliance with the RTF's weatherization		
1368 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	specifications for site built homes.	45	0 SF
				Single Family Weatherization -	Existing insulation must be greater than or equal to R11 and less than or equal to R-19. Insulation must be		
				Insulate Attic - R-19 to R-30 - Heating	·		
1369 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	weatherization specifications for site built homes.	45	1 SF
					Existing insulation must be greater than or equal to		
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be		
				Insulate Attic - R-19 to R-38 - Heating	•		
1370 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Zonal Heating System)	weatherization specifications for site built homes.	45	1 SF
					Existing insulation must be greater than or equal to		
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be		
1371 ResSFWx v2 4	Posidontial	Envelope - Existing	Insulation	Insulate Attic - R-19 to R-49 - Heating Zone 2 (Zonal Heating System)	installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1 SF
1371 (1633) 447_45	Nesidelitiai	Livelope - Existing	Ilisulation	Zone 2 (Zonai neating System)	Window and Door installations shall be in substantial	43	1 31
					compliance with the RTF Weatherization		
					Specifications. Prime windows must have an NFRC		
				Windows - Single Pane to Class 22 -	rated U-factor of 0.22 or lower. Patio doors must have an NFRC rated U-factor of 0.30 or lower. Existing		
			Prime Window or Patio	Heating Zone 2 (Zonal Heating	window must be single glazed with wood or metal		
1372 ResSFWx_v2_4	Residential	Envelope - Existing	Door Replacement	System)	frame.	45	32 SF

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	Sector	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	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)	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 0.30 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	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.  Window and Door installations shall be in substantial	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)	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 infilitration/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	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	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) Single Family Weatherization -	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	45	2 SF
1381 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-30 - Heating Zone 3 (Zonal Heating System)	RTF's weatherization specifications for site built homes.	45	2 SF

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						Measure Life	Annual Savings -	=
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				Single Family Weatherization -	Existing insulation must be greater than or equal to			
				Insulate Floors - R-19 to R-30 -	R11 and less than or equal to R-19. Insulation must be			
				Heating Zone 3 (Zonal Heating	installed in substantial compliance with the RTF's			
1382 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.	45	0	SF
				Circle Ferrile Marchine richting	Existing insulation must be less than R-11. Insulation			
				Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built			
1383 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Zone 3 (Zonal Heating System)	homes.	45	3	SF
				3 - 7 - 7	Existing insulation must be less than R-11. Insulation			
				Single Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-38 - Heating	RTF's weatherization specifications for site built			
1384 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Zonal Heating System)	homes.	45	4	SF
				Single Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built			
1385 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Zonal Heating System)	homes.	45	4	SF
					Existing insulation must be greater than R-19 or less			
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in			
1395 ParSEMy v2 A	Posidontial	Envalona Evistina	Inculation	-	•	45	0	SF
1386 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Zonal Heating System)	specifications for site built homes.	45	U	3F
					Existing insulation must be greater than R-19 or less			
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in			
				Insulate Attic - R-30 to R-49 - Heating	substantial compliance with the RTF's weatherization			
1387 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Zonal Heating System)	specifications for site built homes.	45	0	SF
					Existing insulation must be greater than R30 and less			
				Single Family Weatherization -	than or equal to R-38. Insulation must be installed in			
				Insulate Attic - R-38 to R-49 - Heating	substantial compliance with the RTF's weatherization			
1388 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Zonal Heating System)	specifications for site built homes.	45	0	SF
				Single Family Weatherization -	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			
1389 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Zonal Heating System)	weatherization specifications for site built homes.	45	1	SF
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
1390 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Zone 3 (Zonal Heating System)	installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	1	SF
1550 (1655) ****_**24	Residential	Envelope Existing	msdidtion	Zone 3 (Zonai ricuting System)	weatherization specifications for site balle nomes.	45	-	31
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
4204 D. CT.W. D. 4	5			•	installed in substantial compliance with the RTF's	4-		c=
1391 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Zonal Heating System)	weatherization specifications for site built homes.  Window and Door installations shall be in substantial	45	1	SF
					compliance with the RTF Weatherization			
					Specifications. Prime windows must have an NFRC			
					rated U-factor of 0.22 or lower. Patio doors must have			
				Windows - Single Pane to Class 22 -	an NFRC rated U-factor of 0.30 or lower. Existing			
1202 ParSEMy v2 4	Pacidontial	Envolono Evistina	Prime Window or Patio	Heating Zone 3 (Zonal Heating	window must be single glazed with wood or metal	45	39	CE
1392 ResSFWx_v2_4	vezinetitigi	Envelope - Existing	Door Replacement	System)	frame.	45	39	ЭF

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	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)	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	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 0.30 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
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.  Window and Door installations shall be in substantial	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)	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 infilitration/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	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	45	2 SF
1400 ResSFWx_v2_4	Residential	Envelope - Existing	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	45	1 SF
1401 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-30 - Heating Zone 1 (Electric FAF Heating System)	RTF's weatherization specifications for site built homes.	45	2 SF

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
				Single Family Weatherization -	Existing insulation must be greater than or equal to		
				Insulate Floors - R-19 to R-30 -	R11 and less than or equal to R-19. Insulation must be		
1402 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Heating Zone 1 (Electric FAF Heating System)	installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	0 SF
1402 Nessi WX_V2_4	Nesidelitiai	Lilvelope - Lxisting	Ilisulation	System	Existing insulation must be less than R-11. Insulation	43	0 31
				Single Family Weatherization -	must be installed in substantial compliance with the		
				Insulate Attic - R-0 to R-19 - Heating	RTF's weatherization specifications for site built		
1403 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)	homes. Existing insulation must be less than R-11. Insulation	45	2 SF
				Single Family Weatherization -	must be installed in substantial compliance with the		
				Insulate Attic - R-0 to R-38 - Heating	RTF's weatherization specifications for site built		
1404 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)		45	2 SF
				Circle Femile Weekle street	Existing insulation must be less than R-11. Insulation		
				Single Family Weatherization - Insulate Attic - R-0 to R-49 - Heating	must be installed in substantial compliance with the RTF's weatherization specifications for site built		
1405 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)	·	45	3 SF
		, ,		, , ,			
					Existing insulation must be greater than R-19 or less		
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in		
1406 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Insulate Attic - R-30 to R-38 - Heating Zone 1 (Electric FAF Heating System)	•	45	0 SF
1400 NC351 WX_V2_4	Nesidential	Livelope - Existing	msdiation	Zone I (Electric FAI Treating System)	specifications for site built florings.	43	0 31
					Existing insulation must be greater than R-19 or less		
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in		
1407 ResSFWx v2 4	Posidontial	Envelope - Existing	Insulation	Insulate Attic - R-30 to R-49 - Heating Zone 1 (Electric FAF Heating System)	•	45	0 SF
1407 NessFvvx_v2_4	Residential	Elivelope - Existing	Ilisulation	Zone I (Liectific FAI Treating System)	specifications for site built florifes.	43	0 31
					Existing insulation must be greater than R30 and less		
				Single Family Weatherization -	than or equal to R-38. Insulation must be installed in		
4400 DesCENT 2 A	Danish askinl	Formalism - Foliation	Inculation	-	substantial compliance with the RTF's weatherization	45	0 SF
1408 ResSFWx_v2_4	Kesidentiai	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)	specifications for site built nomes.	45	0.36
					Existing insulation must be greater than or equal to		
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be		
4400.0 0514	5			_	installed in substantial compliance with the RTF's		0.05
1409 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)	weatherization specifications for site built homes.	45	0 SF
					Existing insulation must be greater than or equal to		
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be		
				_	installed in substantial compliance with the RTF's		
1410 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)	weatherization specifications for site built homes.	45	1 SF
					Existing insulation must be greater than or equal to		
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be		
				-	installed in substantial compliance with the RTF's		
1411 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Electric FAF Heating System)	weatherization specifications for site built homes.	45	1 SF
					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		
			D: 147 L 5	Windows - Single Pane to Class 22 -	an NFRC rated U-factor of 0.30 or lower. Existing		
1412 ResSFWx v2 4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Heating Zone 1 (Electric FAF Heating System)	window must be single glazed with wood or metal frame.	45	26 SF
1412 HC331 VVA_VZ_4	Acsidential	Envelope - Existing	2001 Replacement	Systemy	nume.	43	20 31

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	Sector	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	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)	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	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 0.30 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	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.  Window and Door installations shall be in substantial	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)	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 infilitration/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	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	45	2 SF
1420 ResSFWx_v2_4	Residential	Envelope - Existing	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	45	2 SF
1421 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-30 - Heating Zone 2 (Electric FAF Heating System)	RTF's weatherization specifications for site built homes.	45	2 SF

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						Measure Life	Annual Savings	<u>-</u>
Line # Reference	<u>Sector</u>	<u>Category</u>	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				Single Family Weatherization -	Existing insulation must be greater than or equal to			
				Insulate Floors - R-19 to R-30 -	R11 and less than or equal to R-19. Insulation must be			
				Heating Zone 2 (Electric FAF Heating	installed in substantial compliance with the RTF's			
1422 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.	45	C	SF
				Single Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-19 - Heating	RTF's weatherization specifications for site built			
1423 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	·	45	2	SF
					Existing insulation must be less than R-11. Insulation			
				Single Family Weatherization -	must be installed in substantial compliance with the			
1424 ResSFWx v2 4	Pocidontial	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-38 - Heating Zone 2 (Electric FAF Heating System)	RTF's weatherization specifications for site built homes.	45	2	SF
1424 (C53) WX_VZ_4	Nesidelitiai	Livelope - Laisting	modiation	Zone Z (Electric FAI Treating System)	Existing insulation must be less than R-11. Insulation	43	3	. Ji
				Single Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built			
1425 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	homes.	45	4	SF
					Fullation insulation must be greater than D. 10 or less			
				Single Family Weatherization -	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in			
				Insulate Attic - R-30 to R-38 - Heating	•			
1426 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	specifications for site built homes.	45	C	SF
				Circle Femile Weekle street	Existing insulation must be greater than R-19 or less			
				Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating	than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization			
1427 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	·	45	C	SF
		, ,						
					Existing insulation must be greater than R30 and less			
				Single Family Weatherization -	than or equal to R-38. Insulation must be installed in			
1428 ResSFWx v2 4	Recidential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	substantial compliance with the RTF's weatherization	45	ſ	SF
1420 1/6531 WX_V2_4	Nesidelitiai	Livelope - Laisting	msdiation	Zone Z (Electric FAI Treating System)	specifications for site built nomes.	43	·	31
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
4420.2 0514	5			_	installed in substantial compliance with the RTF's			65
1429 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	weatherization specifications for site built homes.	45	1	SF
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
				Insulate Attic - R-19 to R-38 - Heating	·			
1430 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	weatherization specifications for site built homes.	45	1	SF
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
				Insulate Attic - R-19 to R-49 - Heating	•			
1431 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Electric FAF Heating System)	weatherization specifications for site built homes.	45	1	SF
					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			
				Windows - Single Pane to Class 22 -	an NFRC rated U-factor of 0.30 or lower. Existing			
			Prime Window or Patio	Heating Zone 2 (Electric FAF Heating	window must be single glazed with wood or metal			
1432 ResSFWx_v2_4	Residential	Envelope - Existing	Door Replacement	System)	frame.	45	36	SF

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	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)	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 0.30 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	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.  Window and Door installations shall be in substantial	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)	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 infilitration/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
1430 NESSI WA_VZ_4	Residential	Livelope - Existing	minitration control	Single Family Weatherization -	No existing wall insulation. Insulation must be installed	43	1 31
1439 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Single Family Weatherization -	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	45	3 SF
1440 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)  Single Family Weatherization -		45	2 SF
1441 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation		RTF's weatherization specifications for site built	45	2 SF

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						Measure Life	Annual Savings	<u>-</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				Single Family Weatherization -	Existing insulation must be greater than or equal to			
				Insulate Floors - R-19 to R-30 -	R11 and less than or equal to R-19. Insulation must be			
				Heating Zone 3 (Electric FAF Heating	installed in substantial compliance with the RTF's			
1442 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.	45	0	SF
				Single Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-19 - Heating	RTF's weatherization specifications for site built			
1443 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	homes.	45	3	SF
					Existing insulation must be less than R-11. Insulation			
				Single Family Weatherization -	must be installed in substantial compliance with the			
1444 BooCFIMb + 2 4	Docidontial	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-38 - Heating Zone 3 (Electric FAF Heating System)	RTF's weatherization specifications for site built homes.	45	4	SF
1444 ResSFWx_v2_4	Residential	Envelope - Existing	IIISUIdtiOII	Zone 3 (Electric PAP Heating System)	Existing insulation must be less than R-11. Insulation	45	4	31
				Single Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built			
1445 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	homes.	45	4	SF
				Single Family Weatherization -	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in			
				Insulate Attic - R-30 to R-38 - Heating	•			
1446 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	specifications for site built homes.	45	0	SF
					Existing insulation must be greater than R-19 or less			
				Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating	than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization			
1447 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	specifications for site built homes.	45	1	SF
1177 116357 177_12_1	ricolacitia	ziivelope ziiistiiig				.5	-	-
					Existing insulation must be greater than R30 and less			
				Single Family Weatherization -	than or equal to R-38. Insulation must be installed in			
4440 D65146 + -2 -4	D = =!=!= == #!=!	Formalism Friedrich	Insulation	Insulate Attic - R-38 to R-49 - Heating	·	45		SF
1448 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	specifications for site built homes.	45	0	SF
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
				_	installed in substantial compliance with the RTF's			
1449 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	weatherization specifications for site built homes.	45	1	SF
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
				Insulate Attic - R-19 to R-38 - Heating	installed in substantial compliance with the RTF's			
1450 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	weatherization specifications for site built homes.	45	1	SF
				Single Family Weatherization -	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			
1451 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Electric FAF Heating System)	weatherization specifications for site built homes.	45	1	SF
					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			
				Windows - Single Pane to Class 22 -	an NFRC rated U-factor of 0.30 or lower. Existing			
			Prime Window or Patio	Heating Zone 3 (Electric FAF Heating	window must be single glazed with wood or metal			
1452 ResSFWx_v2_4	Residential	Envelope - Existing	Door Replacement	System)	frame.	45	44	SF

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	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)	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. Patio doors must have an NFRC rated U-factor of 0.35 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.  Window and Door installations shall be in substantial	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)	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 infilitration/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
		, -		Single Family Weatherization - Insulate Walls - R-0 to R-11 - Heating	No existing wall insulation. Insulation must be installed in substantial compliance with the RTF's		
1459 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Heat Pump Heating System)  Single Family Weatherization - Insulate Floors - R-0 to R-19 - Heating	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	45	1 SF
1460 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Heat Pump Heating System)  Single Family Weatherization -	homes. Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the	45	0 SF
1461 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Floors - R-0 to R-30 - Heating Zone 1 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes.	45	1 SF

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						Measure Life	Annual Savings	<u>-</u>
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				Single Family Weatherization -	Existing insulation must be greater than or equal to			
				Insulate Floors - R-19 to R-30 -	R11 and less than or equal to R-19. Insulation must be			
				Heating Zone 1 (Heat Pump Heating	installed in substantial compliance with the RTF's			
1462 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.	45	0	SF
				Single Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-19 - Heating	RTF's weatherization specifications for site built			
1463 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Heat Pump Heating System)	homes.	45	1	SF
					Existing insulation must be less than R-11. Insulation			
				Single Family Weatherization -	must be installed in substantial compliance with the			
1464 ResSFWx_v2_4	Posidontial	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-38 - Heating Zone 1 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes.	45	1	SF
1404 NESSI WX_VZ_4	Nesidelitiai	Livelope - Lxisting	madiation	Zone I (near i unip nearing system)	Existing insulation must be less than R-11. Insulation	43	1	Ji
				Single Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built			
1465 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Heat Pump Heating System)	homes.	45	1	SF
					Existing insulation must be greater than R-19 or less			
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in			
					•			
1466 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Heat Pump Heating System)	specifications for site built homes.	45	0	SF
				Single Family Weatherization -	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in			
				Insulate Attic - R-30 to R-49 - Heating	•			
1467 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Heat Pump Heating System)	specifications for site built homes.	45	0	SF
					Existing insulation must be greater than R30 and less			
				Single Family Weatherization -	than or equal to R-38. Insulation must be installed in			
1468 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Attic - R-38 to R-49 - Heating Zone 1 (Heat Pump Heating System)	substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1400 ((633) VV_V2_4	Residential	Livelope - Existing	msdidtion	Zone 1 (near amp nearing system)	specifications for sice balle fromes.	43	O	, Ji
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
14C0 PeeCEWe + 2 4	Dasidantial	Envelope Evistina	Insulation	•	installed in substantial compliance with the RTF's	45	0	SF
1469 ResSFWx_v2_4	Residentiai	Envelope - Existing	Insulation	Zone 1 (Heat Pump Heating System)	weatherization specifications for site built homes.	45	U	5F
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
					installed in substantial compliance with the RTF's			
1470 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Heat Pump Heating System)	weatherization specifications for site built homes.	45	0	SF
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
				Insulate Attic - R-19 to R-49 - Heating	installed in substantial compliance with the RTF's			
1471 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 1 (Heat Pump Heating System)	weatherization specifications for site built homes.	45	0	SF
					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			
				Windows - Single Pane to Class 22 -	an NFRC rated U-factor of 0.30 or lower. Existing			
			Prime Window or Patio	Heating Zone 1 (Heat Pump Heating	window must be single glazed with wood or metal			
1472 ResSFWx_v2_4	Residential	Envelope - Existing	Door Replacement	System)	frame.	45	15	SF

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<u>Line # Reference</u> <u>Sector Category Subcategory Procost Full Measure Name Delivery Mechanism or Program (ye</u>	ears)	Site (kwh/yr) UOM
Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC Windows - Double Pane to Class 22 - rated U-factor of 0.22 or lower. Patio doors must have an NFRC Heating Zone 1 (Heat Pump Heating 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 System) Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC	45	9 SF
rated U-factor of 0.30 or lower. Patio doors must have Windows - Single Pane to Class 30 - Prime Window or Patio Heating Zone 1 (Heat Pump Heating Window must be single glazed with wood or metal Frame.  Residential Envelope - Existing  Door Replacement  System)  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
Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC Windows - Double Pane to Class 30 - 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	8 SF
Window and Door installations shall be in substantial compliance with the RTF Weatherization  Windows - Class 35 to Class 30 -  Prime Window or Patio  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
Window and Door installations shall be in substantial compliance with the RTF Weatherization  Windows - Class 35 to Class 22 -  Prime Window or Patio  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
Change in air change rate must be verified through pre and post measurement of infilitration/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 reduction - 0.1 ACHn reduction - Heating Zone 1 (Heat which verified reductions in air infiltration/exfiltration are claimed.	45	0 SF
Single Family Weatherization - No existing wall insulation. Insulation must be installed	43	0 31
Insulate Walls - R-0 to R-11 - Heating in substantial compliance with the RTF's  1479 ResSFWx_v2_4 Residential Envelope - Existing Insulation Zone 2 (Heat Pump Heating System) weatherization specifications for site built homes.  Existing insubstantial compliance with the RTF's weatherization specifications for site built homes.  Existing insubstantial compliance with the RTF's weatherization specifications for site built homes.  Existing insubstantial compliance with the RTF's weatherization specifications for site built	45	2 SF
1480 ResSFWx_v2_4  Residential Envelope - Existing Insulation  Zone 2 (Heat Pump Heating System) homes.  Existing insulation must be less than R-11. Insulation  Single Family Weatherization - must be installed in substantial compliance with the	45	1 SF
Insulate Floors - R-0 to R-30 - Heating RTF's weatherization specifications for site built  2 Tone 2 (Heat Pump Heating System) homes.	45	1 SF

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							Annual Savings -	
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM	
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.	45	0 SF	
				Single Family Weatherization - Insulate Attic - R-0 to R-19 - Heating	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the RTF's weatherization specifications for site built			
1483 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Heat Pump Heating System)	homes. Existing insulation must be less than R-11. Insulation	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)	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	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)	must be installed in substantial compliance with the RTF's weatherization specifications for site built homes.	45	2 SF	
1.65 .1655. 11.2.1.2.	ricordericiai	Envelope Existing	salation	Zone Z (neath amp neating system)		.5	2 5.	
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	
				Single Family Weatherization -	Existing insulation must be greater than R-19 or less than or equal to R-29. Insulation must be installed in			
1487 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Attic - R-30 to R-49 - Heating Zone 2 (Heat Pump Heating System)	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	O SF	
				-	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	4-	0.05	
1489 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Heat Pump Heating System)	weatherization specifications for site built homes.	45	0 SF	
1100 D 1550 D 1				Single Family Weatherization - Insulate Attic - R-19 to R-38 - Heating	•			
1490 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 2 (Heat Pump Heating System)	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.	45	1 SF	
2.02.1000.100_4E_4	Residential	Envelope - Enburg		Windows - Single Pane to Class 22 -	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	43	1 3,	
1492 ResSFWx_v2_4	Residential	Envelope - Existing	Prime Window or Patio Door Replacement	Heating Zone 2 (Heat Pump Heating System)	window must be single glazed with wood or metal frame.	45	25 SF	

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Line # Reference Sector Category Subcategory Procost Full Measure Name Delivery Mechanism or Program (years) Site (kwh/yr) !  Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC arated U-factor of 0.22 or lower. Patio doors must have an NFRC arated 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 arated 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. 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. Existing window must be single glazed with wood or 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. Existing window must be single glazed with wood or metal frame. Window and Door installations shall be in substantial compliance with the RTF Weatherization Specifications. Prime window must be an NFRC rated U-factor of 0.30 or lower. Existing window must be single glazed with wood or 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. Existing window must be single glazed with metal frame. Window and Door installations shall be in substantial compliance with the RTF Weatherization of the factor of 0.30 or lower. Existing window must be single glazed with metal frame. Window and Door installations shall be in	<u>JOM</u>
compliance with the RTF Weatherization Specifications. Prime windows must have an NFRC rated U-factor of 0.22 or lower. Existing 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 16 50 16	
Windows - Single Pane to Class 30 - Heating Zone 2 (Heat Pump Heating window must be single glazed with wood or metal frame. 45 23 \cdot Something shall be in substantial compliance with the RTF Weatherization	Ĵ <b>F</b>
compliance with the RTF Weatherization	SF
Windows - Double Pane to Class 30 - rated U-factor of 0.30 or lower. Patio doors must have  Prime Window or Patio Prime Window or Patio Prime Window or Patio Prime Window or Patio Frime Window or Patio Oor Replacement System System Windows - Double Pane to Class 30 - rated U-factor of 0.30 or lower. Existing An NFRC rated U-factor of 0.35 or lower. Existing Windows must be double glazed with metal frame.  45 14 5	6F
Window and Door installations shall be in substantial compliance with the RTF Weatherization  Windows - Class 35 to Class 30 -  Prime Window or Patio  Prime Window or Patio  Residential Envelope - Existing Door Replacement System)  Windows - Class 35 to Class 30 -  Heating Zone 2 (Heat Pump Heating an NFRC rated U-factor of 0.30 or lower. Patio doors must have an NFRC ann NFRC rated U-factor of 0.35 or lower.  Window and Door installations shall be in substantial 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.  Window and Door installations shall be in substantial 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.	SF.
Window and boof installations shall be in substantial compliance with the RTF Weatherization  Windows - Class 35 to Class 22 - Specifications. Prime windows must have an NFRC  Prime Window or Patio Heating Zone 2 (Heat Pump Heating an NFRC rated U-factor of 0.22 or lower. Patio doors must have  1497 ResSFWx_v2_4 Residential Envelope - Existing Door Replacement System) an NFRC rated U-factor of 0.30 or lower. 45 3 3	SF.
Change in air change rate must be verified through pre and post measurement of infilitration using blower door per the protocols described in Appendix T, Part 1 "Field Verification Preduction 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 reduction - Heating Zone 2 (Heat which verified reductions in air infiltration.	_
1498 ResSFWx_v2_4 Residential Envelope - Existing Infiltration Control Pump Heating System) are claimed. 45 0 Single Family Weatherization - No existing wall insulation. Insulation must be installed	F
Insulate Walls - R-0 to R-11 - Heating in substantial compliance with the RTF's  1499 ResSFWx_v2_4  Residential Envelope - Existing Insulation  Single Family Weatherization -  Insulate Walls - R-0 to R-11 - Heating 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  Insulate Floors - R-0 to R-19 - Heating System)  Existing insulation om substantial compliance with the RTF's  must be installed in substantial compliance with the RTF's  Existing insulation must be less than R-11. Insulation  must be installed in substantial compliance with the RTF's  Existing insulation must be less than R-11. Insulation  must be installed in substantial compliance with the RTF's	F
1500 ResSFWx_v2_4 Residential Envelope - Existing Insulation Zone 3 (Heat Pump Heating System) homes. 45 1 5 Existing insulation must be less than R-11. Insulation Single Family Weatherization - must be installed in substantial compliance with the	F
Insulate Floors - R-O to R-30 - Heating RTF's weatherization specifications for site built  2 Tope 3 (Heat Pump Heating System) homes.  45 1 Start ResSFWx_v2_4	;F

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						Measure Life	Annual Savings	=
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr)	<u>UOM</u>
				Single Family Weatherization -	Existing insulation must be greater than or equal to			
				Insulate Floors - R-19 to R-30 -	R11 and less than or equal to R-19. Insulation must be			
				Heating Zone 3 (Heat Pump Heating	installed in substantial compliance with the RTF's			
1502 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	System)	weatherization specifications for site built homes.	45	0	SF
				Single Family Weatherization -	Existing insulation must be less than R-11. Insulation must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-19 - Heating	RTF's weatherization specifications for site built			
1503 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	homes.	45	2	SF
					Existing insulation must be less than R-11. Insulation			
				Single Family Weatherization -	must be installed in substantial compliance with the			
1504 ResSFWx_v2_4	Posidontial	Envelope - Existing	Insulation	Insulate Attic - R-0 to R-38 - Heating Zone 3 (Heat Pump Heating System)	RTF's weatherization specifications for site built homes.	45	2	SF
1304 Nessi WX_VZ_4	Nesidelitiai	Livelope - Lxisting	madation	Zone 5 (near 1 unip nearing 5ystem)	Existing insulation must be less than R-11. Insulation	43	3	31
				Single Family Weatherization -	must be installed in substantial compliance with the			
				Insulate Attic - R-0 to R-49 - Heating	RTF's weatherization specifications for site built			
1505 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	homes.	45	3	SF
					Existing insulation must be greater than R-19 or less			
				Single Family Weatherization -	than or equal to R-29. Insulation must be installed in			
					•			
1506 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	specifications for site built homes.	45	0	SF
				Cinala Family Weatherington	Existing insulation must be greater than R-19 or less			
				Single Family Weatherization - Insulate Attic - R-30 to R-49 - Heating	than or equal to R-29. Insulation must be installed in substantial compliance with the RTF's weatherization			
1507 ResSFWx v2 4	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	specifications for site built homes.	45	0	SF
					Existing insulation must be greater than R30 and less			
				Single Family Weatherization -	than or equal to R-38. Insulation must be installed in			
1508 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Insulate Attic - R-38 to R-49 - Heating Zone 3 (Heat Pump Heating System)	substantial compliance with the RTF's weatherization specifications for site built homes.	45	0	SF
1300 ((633) VV_V2_4	Residential	Livelope - Existing	msdidtion	Zone 5 (near tamp nearing system)	specifications for size balle fromes.	43	O	J1
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
1500 Bee55We +2 4	Dasidantial	Envelope Evistina	Insulation	•	installed in substantial compliance with the RTF's	45	1	SF
1509 ResSFWx_v2_4	Residentiai	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	weatherization specifications for site built homes.	45	1	SF
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
					installed in substantial compliance with the RTF's			
1510 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	weatherization specifications for site built homes.	45	1	SF
					Existing insulation must be greater than or equal to			
				Single Family Weatherization -	R11 and less than or equal to R-19. Insulation must be			
				Insulate Attic - R-19 to R-49 - Heating	installed in substantial compliance with the RTF's			
1511 ResSFWx_v2_4	Residential	Envelope - Existing	Insulation	Zone 3 (Heat Pump Heating System)	weatherization specifications for site built homes.	45	1	SF
					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			
				Windows - Single Pane to Class 22 -	an NFRC rated U-factor of 0.30 or lower. Existing			
			Prime Window or Patio	Heating Zone 3 (Heat Pump Heating	window must be single glazed with wood or metal			
1512 ResSFWx_v2_4	Residential	Envelope - Existing	Door Replacement	System)	frame.	45	35	SF

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							Annual Savings -
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	(years)	Site (kwh/yr) UOM
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. 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	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)	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. 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
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 infilitration/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
					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		
1519 ComRefrigeratorFreezerDecommissioning_v2_3	Residential	Appliances	Freezer Early Retirement and Recycling	Freezer Decommissioning and Recycling	significant source of ODS and GHG emissions that could be avoided through foam recovery.	6	555 EA

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						Measure Life	Annual Savi	ngs -
Line # Reference	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/	yr) <u>UOM</u>
					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			
			Refrigerator Early	Refrigerator Decommissioning and	significant source of ODS and GHG emissions that could			
1520 ComRefrigeratorFreezerDecommissioning_v2_3	Residentia	l Appliances	Retirement and Recycling	Recycling	be avoided through foam recovery.	9		482 EA

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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

Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	Measure Life (years)	Annual Savings - Site (kwh/yr) UOM
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 Food Service	Energy Star Commercial Clothes Washer in Laundromat w/MEF 1.80 and higher - Gas DHW & Electric Dryer Energy Efficient Electric Dishwasher - Low Temp -	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.  Manufacturer, retailer or consumer rebate, coupon or other	no values available	no values available EA
5 ComDishwasher_v1_1	Commercial Commercial		Food Service	Electric DHW Energy Efficient Electric Dishwasher - High Temp - Electric DHW	incentive and direct installations.  Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	12 12	3,801 EA 4,110 EA
6 ComDishwasher_v1_1 7 ComDishwasher_v1_1	Commercial		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 9 ComFreezer v3 0	Commercial Commercial			Energy Efficient Electric Dishwasher - High Temp - Gas DHW Energy Star Solid Door Freezer - Less than 15 cu.ft.	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.  Consumer, Distributor or Manufacuturer rebate	12	1,700 EA - EA
10 ComFreezer_v3_0 11 ComFreezer_v3_0	Commercial Commercial			Energy Star Solid Door Freezer - 15 to 29.9 cu.ft. Energy Star Solid Door Freezer - 30 to 49.9 cu.ft	Consumer, Distributor or Manufacuturer rebate Consumer, Distributor or Manufacuturer rebate	12 12	10 EA 4 EA
12 ComFreezer_v3_0 13 ComFreezer_v3_0		Equipment	Freezer	Energy Star Solid Door Freezer - 50 cu.ft. and greater Energy Star Glass Door Freezer - Less than 15 cu.ft.	Consumer, Distributor or Manufacuturer rebate Consumer, Distributor or Manufacuturer rebate	-	- EA - EA
14 ComFreezer_v3_0 15 ComFreezer_v3_0	Commercial Commercial			Energy Star Glass Door Freezer - 15 to 29.9 cu.ft. Energy Star Glass Door Freezer - 30 to 49.9 cu.ft	Consumer, Distributor or Manufacuturer rebate Consumer, Distributor or Manufacuturer rebate	12 12	46 EA 146 EA
16 ComFreezer_v3_0 17 ComFreezer_v3_0 18 ComFreezer_v3_0	Commercial Commercial Commercial	Equipment	Freezer	Energy Star Glass Door Freezer - 50 cu.ft. and greater Energy Star Solid Door Chest Freezer Energy Star Glass Door Chest Freezer	Consumer, Distributor or Manufacuturer rebate Consumer, Distributor or Manufacuturer rebate Consumer, Distributor or Manufacuturer rebate	12 - 12	226 EA - EA 8 EA
19 ComiceMaker_v1_0	Commercial			Energy Star Air Cooled Ice Making Head Unit < 200 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	173 EA
20 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Ice Making Head Unit >= 200 < 400 lbs ice per day Energy Star Air Cooled Ice Making Head Unit >= 400 <	Consumer, Distributor or Manufacuturer rebate	10	421 EA
21 ComlceMaker_v1_0 22 ComlceMaker v1_0	Commercial Commercial			600 lbs ice per day Energy Star Air Cooled Ice Making Head Unit >= 600 < 800 lbs ice per day	Consumer, Distributor or Manufacuturer rebate  Consumer, Distributor or Manufacuturer rebate	10 10	592 EA 804 EA
23 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Ice Making Head Unit >= 800 < 1000 lbs ice per day Energy Star Air Cooled Ice Making Head Unit >= 1000 <	Consumer, Distributor or Manufacuturer rebate	10	1,000 EA
24 ComiceMaker_v1_0	Commercial			1200 lbs ice per day Energy Star Air Cooled Ice Making Head Unit >= 1200 <	Consumer, Distributor or Manufacuturer rebate	10	1,182 EA
25 ComlceMaker_v1_0 26 ComlceMaker_v1_0	Commercial Commercial			1400 lbs ice per day Energy Star Air Cooled Ice Making Head Unit >= 1400 < 1600 lbs ice per day	Consumer, Distributor or Manufacuturer rebate  Consumer, Distributor or Manufacuturer rebate	10 10	1,350 EA 1,502 EA
27 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	Energy Star Air Cooled Ice Making Head Unit >= 1600 Ibs ice per day CEE Tier 2 Water Cooled Ice Making Head Unit < 200	Consumer, Distributor or Manufacuturer rebate	10	1,640 EA
28 ComlceMaker_v1_0	Commercial			lbs ice per day CEE Tier 2 Water Cooled Ice Making Head Unit >= 200 <		10	133 EA
29 ComlceMaker_v1_0	Commercial	Equipment	ice Makers	400 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	332 EA

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Line# Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings - Site (kwh/yr) UOM
30 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 400 < 600 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	370 EA
31 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 600 < 800 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	492 EA
32 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 800 < 1000 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	600 EA
33 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 1000 < 1200 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	693 EA
34 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 2 Water Cooled Ice Making Head Unit >= 1200 < 1400 lbs ice per day CEE Tier 2 Water Cooled Ice Making Head Unit >= 1400	Consumer, Distributor or Manufacuturer rebate	10	771 EA
35 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	< 1600 lbs ice per day  CEE Tier 2 Water Cooled ice Making Head Unit >= 1600  CEE Tier 2 Water Cooled ice Making Head Unit >= 1600	Consumer, Distributor or Manufacuturer rebate	10	889 EA
36 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	< 1800 lbs ice per day CEE Tier 2 Water Cooled Ice Making Head Unit >= 1800	Consumer, Distributor or Manufacuturer rebate	10	1,008 EA
37 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day Energy Star Air Cooled Self-Contained Unit < 50 lbs ice	Consumer, Distributor or Manufacuturer rebate	10	1,127 EA
38 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	per day Energy Star Air Cooled Self-Contained Unit >= 50 < 100	Consumer, Distributor or Manufacuturer rebate	10	56 EA
39 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day Energy Star Air Cooled Self-Contained Unit >= 100 < 150	Consumer, Distributor or Manufacuturer rebate	10	146 EA
40 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day Energy Star Air Cooled Self-Contained Unit >= 150 < 200	Consumer, Distributor or Manufacuturer rebate	10	206 EA
41 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day Energy Star Air Cooled Self-Contained Unit >= 200 < 250	Consumer, Distributor or Manufacuturer rebate	10	225 EA
42 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day Energy Star Air Cooled Self-Contained Unit >= 250 < 300	Consumer, Distributor or Manufacuturer rebate	10	289 EA
43 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day Energy Star Air Cooled Self-Contained Unit >= 300 < 350	Consumer, Distributor or Manufacuturer rebate	10	353 EA
44 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day Energy Star Air Cooled Self-Contained Unit >= 350 < 400	Consumer, Distributor or Manufacuturer rebate	10	418 EA
45 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day Energy Star Air Cooled Self-Contained Unit >= 400 lbs	Consumer, Distributor or Manufacuturer rebate	10	482 EA
46 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	ice per day CEE Tier 2 Water Cooled Self-Contained Unit < 50 lbs ice	Consumer, Distributor or Manufacuturer rebate	10	546 EA
47 ComlceMaker_v1_0	Commercial			per day CEE Tier 2 Water Cooled Self-Contained Unit >= 50 <	Consumer, Distributor or Manufacuturer rebate	10	35 EA
48 ComlceMaker_v1_0	Commercial			100 lbs ice per day CEE Tier 2 Water Cooled Self-Contained Unit >= 100 <	Consumer, Distributor or Manufacuturer rebate	10	97 EA
49 ComlceMaker_v1_0		Equipment		150 lbs ice per day CEE Tier 2 Water Cooled Self-Contained Unit >= 150 <	Consumer, Distributor or Manufacuturer rebate	10	147 EA
50 ComlceMaker_v1_0		Equipment		200 lbs ice per day CEE Tier 2 Water Cooled Self-Contained Unit >= 200 <	Consumer, Distributor or Manufacuturer rebate	10	185 EA
51 ComlceMaker_v1_0	Commercial			250 lbs ice per day CEE Tier 2 Water Cooled Self-Contained Unit >= 250 <	Consumer, Distributor or Manufacuturer rebate	10	220 EA
52 ComlceMaker_v1_0		Equipment		300 lbs ice per day CEE Tier 2 Water Cooled Self-Contained Unit >= 300 <	Consumer, Distributor or Manufacuturer rebate	10	269 EA
53 ComlceMaker_v1_0		Equipment		350 lbs ice per day CEE Tier 2 Water Cooled Self-Contained Unit >= 350 <	Consumer, Distributor or Manufacuturer rebate	10	318 EA
54 ComlceMaker_v1_0		Equipment		400 lbs ice per day CEE Tier 2 Water Cooled Self-Contained Unit >= 400 lbs	Consumer, Distributor or Manufacuturer rebate	10	367 EA
55 ComlceMaker_v1_0		Equipment		ice per day Energy Star Air Cooled Remote Condensing Unit < 400	Consumer, Distributor or Manufacuturer rebate	10	416 EA
56 ComlceMaker_v1_0		Equipment		lbs ice per day Energy Star Air Cooled Remote Condensing Unit >= 400	Consumer, Distributor or Manufacuturer rebate	10	394 EA
57 ComlceMaker_v1_0		Equipment		< 600 lbs ice per day Energy Star Air Cooled Remote Condensing Unit >= 600	Consumer, Distributor or Manufacuturer rebate	10	601 EA
58 ComlceMaker_v1_0		Equipment		< 800 lbs ice per day Energy Star Air Cooled Remote Condensing Unit >= 800	Consumer, Distributor or Manufacuturer rebate	10	765 EA
59 ComiceMaker_v1_0		Equipment		< 1000 lbs ice per day Energy Star Air Cooled Remote Condensing Unit >=	Consumer, Distributor or Manufacuturer rebate	10	885 EA
60 ComlceMaker_v1_0		Equipment		1000 < 1200 lbs ice per day Energy Star Air Cooled Remote Condensing Unit >=	Consumer, Distributor or Manufacuturer rebate	10	940 EA
61 ComlceMaker_v1_0		Equipment		1200 < 1400 lbs ice per day Energy Star Air Cooled Remote Condensing Unit >=	Consumer, Distributor or Manufacuturer rebate	10	1,111 EA
62 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	1400 < 1600 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	1,282 EA

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<u>Line # Reference</u>	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings - 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 Manufacuturer rebate	10	1,453 EA
CA ComisoMakor ut 0	Commorcial	Fauinment	Ioo Makora	Energy Star Air Cooled Remote Condensing Unit >=	Consumor Distributor or Manufacuturar rebota	10	1.624 54
64 ComiceMaker_v1_0	Commerciai	Equipment	ice iviakers	1800 lbs ice per day CEE Tier 3 Air Cooled Ice Making Head Unit < 200 lbs ice	Consumer, Distributor or Manufacuturer rebate	10	1,624 EA
65 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	per day CEE Tier 3 Air Cooled Ice Making Head Unit >= 200 <	Consumer, Distributor or Manufacuturer rebate	10	260 EA
66 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	400 lbs ice per day CEE Tier 3 Air Cooled Ice Making Head Unit >= 200 <	Consumer, Distributor or Manufacuturer rebate	10	636 EA
67 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	600 lbs ice per day CEE Tier 3 Air Cooled Ice Making Head Unit >= 600 <	Consumer, Distributor or Manufacuturer rebate	10	858 EA
68 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	800 lbs ice per day CEE Tier 3 Air Cooled Ice Making Head Unit >= 800 <	Consumer, Distributor or Manufacuturer rebate	10	1,150 EA
69 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	1000 lbs ice per day CEE Tier 3 Air Cooled Ice Making Head Unit >= 1000 <	Consumer, Distributor or Manufacuturer rebate	10	1,413 EA
70 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	1200 lbs ice per day CEE Tier 3 Air Cooled Ice Making Head Unit >= 1200 <	Consumer, Distributor or Manufacuturer rebate	10	1,646 EA
71 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	1400 lbs ice per day CEE Tier 3 Air Cooled Ice Making Head Unit >= 1400 <	Consumer, Distributor or Manufacuturer rebate	10	1,850 EA
72 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	1600 lbs ice per day CEE Tier 3 Air Cooled Ice Making Head Unit >= 1600 lbs	Consumer, Distributor or Manufacuturer rebate	10	2,025 EA
73 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	ice per day  CEE Tier 3 Water Cooled Ice Making Head Unit < 200	Consumer, Distributor or Manufacuturer rebate	10	2,170 EA
74 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day  CEE Tier 3 Water Cooled Ice Making Head Unit >= 200 <	Consumer, Distributor or Manufacuturer rebate	10	200 EA
75 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	400 lbs ice per day  CEE Tier 3 Water Cooled Ice Making Head Unit >= 400 <	Consumer, Distributor or Manufacuturer rebate	10	513 EA
76 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	600 lbs ice per day  CEE Tier 3 Water Cooled Ice Making Head Unit >= 400 <  CEE Tier 3 Water Cooled Ice Making Head Unit >= 600 <	Consumer, Distributor or Manufacuturer rebate	10	681 EA
77 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	800 lbs ice per day  CEE Tier 3 Water Cooled Ice Making Head Unit >= 800 <	Consumer, Distributor or Manufacuturer rebate	10	903 EA
78 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	1000 lbs ice per day  CEE Tier 3 Water Cooled Ice Making Head Unit >= 1000	Consumer, Distributor or Manufacuturer rebate	10	1,095 EA
79 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	< 1200 lbs ice per day  CEE Tier 3 Water Cooled Ice Making Head Unit >= 1200	Consumer, Distributor or Manufacuturer rebate	10	1,257 EA
80 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	< 1400 lbs ice per day CEE Tier 3 Water Cooled Ice Making Head Unit >= 1400	Consumer, Distributor or Manufacuturer rebate	10	1,391 EA
81 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	< 1600 lbs ice per day CEE Tier 3 Water Cooled Ice Making Head Unit >= 1600	Consumer, Distributor or Manufacuturer rebate	10	1,659 EA
82 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	< 1800 lbs ice per day CEE Tier 3 Water Cooled Ice Making Head Unit >= 1800	Consumer, Distributor or Manufacuturer rebate	10	1,881 EA
83 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day CEE Tier 3 Air Cooled Self-Contained Unit < 50 lbs ice	Consumer, Distributor or Manufacuturer rebate	10	2,102 EA
84 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	per day CEE Tier 3 Air Cooled Self-Contained Unit >= 50 < 100	Consumer, Distributor or Manufacuturer rebate	10	116 EA
85 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day CEE Tier 3 Air Cooled Self-Contained Unit >= 100 < 150	Consumer, Distributor or Manufacuturer rebate	10	301 EA
86 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day CEE Tier 3 Air Cooled Self-Contained Unit >= 150 < 200	Consumer, Distributor or Manufacuturer rebate	10	421 EA
87 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day CEE Tier 3 Air Cooled Self-Contained Unit >= 200 < 250	Consumer, Distributor or Manufacuturer rebate	10	475 EA
88 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day CEE Tier 3 Air Cooled Self-Contained Unit >= 250 < 300	Consumer, Distributor or Manufacuturer rebate	10	611 EA
89 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day CEE Tier 3 Air Cooled Self-Contained Unit >= 300 < 350	Consumer, Distributor or Manufacuturer rebate	10	747 EA
90 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day CEE Tier 3 Air Cooled Self-Contained Unit >= 350 < 400	Consumer, Distributor or Manufacuturer rebate	10	882 EA
91 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	lbs ice per day CEE Tier 3 Air Cooled Self-Contained Unit >= 400 lbs ice	Consumer, Distributor or Manufacuturer rebate	10	1,018 EA
92 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	per day CEE Tier 3 Water Cooled Self-Contained Unit < 50 lbs ice	Consumer, Distributor or Manufacuturer rebate	10	1,154 EA
93 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	per day CEE Tier 3 Water Cooled Self-Contained Unit >= 50 <	Consumer, Distributor or Manufacuturer rebate	10	75 EA
94 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	100 lbs ice per day CEE Tier 3 Water Cooled Self-Contained Unit >= 100 <	Consumer, Distributor or Manufacuturer rebate	10	207 EA
95 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	150 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	313 EA

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings - Site (kwh/yr) UOM
96 ComiceMaker v1 0	Commercial			CEE Tier 3 Water Cooled Self-Contained Unit >= 150 < 200 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	393 EA
97 ComiceMaker v1 0	Commercial			CEE Tier 3 Water Cooled Self-Contained Unit >= 200 < 250 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	472 EA
<del>-</del> -	Commercial			CEE Tier 3 Water Cooled Self-Contained Unit >= 250 <		10	577 EA
98 ComiceMaker_v1_0				300 lbs ice per day CEE Tier 3 Water Cooled Self-Contained Unit >= 300 <	Consumer, Distributor or Manufacuturer rebate		
99 ComlceMaker_v1_0	Commercial	Equipment	ice Makers	350 lbs ice per day CEE Tier 3 Water Cooled Self-Contained Unit >= 350 <	Consumer, Distributor or Manufacuturer rebate	10	682 EA
100 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	400 lbs ice per day CEE Tier 3 Water Cooled Self-Contained Unit >= 400 lbs	Consumer, Distributor or Manufacuturer rebate	10	787 EA
101 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	ice per day CEE Tier 3 Air Cooled Remote Condensing Unit < 400 lbs	Consumer, Distributor or Manufacuturer rebate	10	892 EA
102 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	ice per day CEE Tier 3 Air Cooled Remote Condensing Unit >= 400 <	Consumer, Distributor or Manufacuturer rebate	10	636 EA
103 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	600 lbs ice per day CEE Tier 3 Air Cooled Remote Condensing Unit >= 600 <	Consumer, Distributor or Manufacuturer rebate	10	950 EA
104 ComiceMaker_v1_0	Commercial	Equipment	Ice Makers	800 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	1,176 EA
105 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Remote Condensing Unit >= 800 < 1000 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	1,314 EA
106 ComlceMaker_v1_0	Commercial	Equipment	Ice Makers	CEE Tier 3 Air Cooled Remote Condensing Unit >= 1000 < 1200 lbs ice per day	Consumer, Distributor or Manufacuturer 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 Manufacuturer 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 Manufacuturer 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 Manufacuturer rebate	10	2,388 EA
110 ComiceMaker v1 0	Commercial			CEE Tier 3 Air Cooled Remote Condensing Unit >= 1800 lbs ice per day	Consumer, Distributor or Manufacuturer rebate	10	2,669 EA
110 Connceiviakei_v1_0	Commercial	Equipment	ice iviakers	ibs ice per day		10	2,005 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	55S 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
113 114 PowerStripsFY10v1 0	Commercial	Equipment	Smart Strips	Smart Power Strips - Commercial (Provisional)	Manufacturer, Dealer or Consumer Rebate	4	EA 100 EA
114 FOWEISHIPSFF10VI_0	Commercial	Equipment	Smart Strips	Smart rower strips - Commercial (Provisional)	ivialidiacturer, beater of consumer repate	4	EA
116 ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Solid Door Refrigerator - Less than 15 cu.ft.	Consumer, Distributor or Manufacuturer rebate	-	- EA
117 ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Solid Door Refrigerator - 15 to 29.9 cu.ft.	Consumer, Distributor or Manufacuturer 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 Manufacuturer rebate	12	5 EA
119 ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Solid Door Refrigerator - 50 cu.ft. and greater	Consumer, Distributor or Manufacuturer rebate	-	- EA
120 ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Glass Door Refrigerator - Less than 15 cu.ft.	Consumer, Distributor or Manufacuturer 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 Manufacuturer 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 Manufacuturer rebate	12	5 EA
123 ComRefrigerator_v3_0	Commercial	Equipment	Refrigerator	Energy Star Glass Door Refrigerator - 50 cu.ft. and greater	Consumer, Distributor or Manufacuturer rebate	12	27 EA
124 ComRefrigerator_v3_0			Refrigerator	Energy Star Solid Door Chest Refrigerator	Consumer, Distributor or Manufacuturer rebate	12	29 EA

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings - Site (kwh/yr) UOM
125 ComRefrigerator_v3_0	Commercial	Category Fauipment	Refrigerator	Energy Star Glass Door Chest Refrigerator	Consumer, Distributor or Manufacuturer rebate	<u>(years)</u> 12	181 EA
cocgc.acovo_o	Commercial	_qa.pmcnt			Manufacturer, retailer or consumer rebate, coupon or other	12	101 LA
126 ComCookingConvectionOven_v1_2	Commercial	Equipment	Cooking	Energy Star Full Size Electric Convection Oven	incentive and direct installations.	12	1,239 EA
<b>0</b> = =					Manufacturer, retailer or consumer rebate, coupon or other		,
127 ComCookingConvectionOven_v1_2	Commercial	Equipment	Cooking	Energy Star Half Size Electric Convection Oven	incentive and direct installations.	12	946 EA
128							EA
129 ComCookingFryer_v1_1	Commercial	Equipment	Cooking	Efficient Electric Fryer	Consumer, Distributor or Manufacuturer rebate	12	539 EA
130 ComCookingHotFoodCabinet_v1_0	Commercial		-	Efficient Hot Food Holding Cabinet (1/2 Size)	Consumer, Distributor or Manufacuturer rebate	12	876 EA
131 ComCookingHotFoodCabinet_v1_0	Commercial	Equipment	-	Efficient Hot Food Holding Cabinet (3/4 Size)	Consumer, Distributor or Manufacuturer rebate	12	1,314 EA
132 ComCookingHotFoodCabinet_v1_0	Commercial	Equipment	Cooking	Efficient Hot Food Holding Cabinet (Full Size)	Consumer, Distributor or Manufacuturer 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.		
				Dro Binco Caray Valvo Bonlacoment O 65 gam or lower	r · Spray valve must use hot water heated with an electric water		
133 ComCookingPreRinseSprayValve v1 1	Commercial	Fauinment	All Building Types	Any Bldg Type - Regionwide - Existing valves Baseline	heater.	4	448 EA
134 ComCookingSteamer v1 1	Commercial	Equipment		Efficient Electric Steamer (3-Pan)	Consumer, Distributor or Manufacuturer rebate	12	888 EA
135 ComCookingSteamer v1 1	Commercial	Equipment		Efficient Electric Steamer (5-Pan)	Consumer, Distributor or Manufacuturer rebate	12	1,671 EA
136 ComCookingSteamer v1 1	Commercial			Efficient Electric Steamer (6-Pan)	Consumer, Distributor or Manufacuturer rebate	12	2,020 EA
<u> </u>			Ü	Residential-type Water Heater (>= 25 gallons, <35	Manufacturer, Dealer or Consumer Rebate and Direct		•
137 ComDHWEfficientTank_v1_2	Commercial	Water Heati	ir Efficient Tanks	gallons)	Installations.	15	48 EA
				Residential-type Water Heater (>= 35 gallons, <45	Manufacturer, Dealer or Consumer Rebate and Direct		
138 ComDHWEfficientTank_v1_2	Commercial	Water Heati	ir Efficient Tanks	gallons)	Installations.	15	123 EA
				Residential-type Water Heater (>= 45 gallons, <55	Manufacturer, Dealer or Consumer Rebate and Direct		
139 ComDHWEfficientTank_v1_2	Commercial	Water Heati	ir Efficient Tanks	gallons)	Installations.	15	162 EA
				Residential-type Water Heater (>= 45 gallons, <55	Manufacturer, Dealer or Consumer Rebate and Direct		
140 ComDHWEfficientTank_v1_2	Commercial	Water Heati	ir Efficient Tanks	gallons_EF0.94+)	Installations.	15	137 EA
444.0 - DUNATES : 177   4.0				Residential-type Water Heater (>= 55 gallons, <75	Manufacturer, Dealer or Consumer Rebate and Direct		247 54
141 ComDHWEfficientTank_v1_2	Commercial	Water Heati	ir Efficient Tanks	gallons)	Installations.	15	217 EA
142 CompliantficientTook v1 2	Commercial	Materlleati	ir Efficient Tanks	Residential-type Water Heater (>= 75 gallons, <100	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	204 EA
142 ComDHWEfficientTank_v1_2	Commercial	water neati	il cilicient ranks	gallons) Residential-type Water Heater (>= 100 gallons, <120	Manufacturer, Dealer or Consumer Rebate and Direct	15	204 EA
143 ComDHWEfficientTank v1 2	Commercial	Water Heati	ir Efficient Tanks	gallons)	Installations.	15	167 EA
143 COMDITWEINCIENTIANK_VI_2	Commercial	water meati	I Emelene ranks	Commercial-type Water Heater (>= 25 gallons, <35	Manufacturer, Dealer or Consumer Rebate and Direct	13	107 LA
144 ComDHWEfficientTank v1 2	Commercial	Water Heati	ir Efficient Tanks	gallons)	Installations.	15	51 EA
				Commercial-type Water Heater (>= 35 gallons, <45	Manufacturer, Dealer or Consumer Rebate and Direct		
145 ComDHWEfficientTank_v1_2	Commercial	Water Heati	ir Efficient Tanks	gallons)	Installations.	15	51 EA
				Commercial-type Water Heater (>= 45 gallons, <55	Manufacturer, Dealer or Consumer Rebate and Direct		
146 ComDHWEfficientTank_v1_2	Commercial	Water Heati	ir Efficient Tanks	gallons)	Installations.	15	87 EA
				Commercial-type Water Heater (>= 55 gallons, <75	Manufacturer, Dealer or Consumer Rebate and Direct		
147 ComDHWEfficientTank_v1_2	Commercial	Water Heati	ir Efficient Tanks	gallons)	Installations.	15	51 EA
			-cc · · - ·	Commercial-type Water Heater (>= 75 gallons, <100	Manufacturer, Dealer or Consumer Rebate and Direct		
148 ComDHWEfficientTank_v1_2	Commercial	Water Heati	ir Efficient Tanks	gallons)	Installations.	15	77 EA
149 ComDHWEfficientTank v1 2	Commoraint	Materlleati	ir Efficient Tanks	Commercial-type Water Heater (>= 100 gallons, <120	Manufacturer, Dealer or Consumer Rebate and Direct Installations.	15	102 EA
149 COMDHWEINCIENTIANK_V1_2	Commercial	water neati	il Ellicielle Taliks	gallons)	Replacement showerhead shall be pressure compensating with	13	102 EA
					non-removable flow controller and have flow rate of 2.0 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_2_00gpm_Hospitality_Electric Water	standard A112.18.1M. Showerhead shall be purchased through		
150 ComDHWShowerHeads v2 0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.	10	140 EA
					Replacement showerhead shall be pressure compensating with		
					non-removable flow controller and have flow rate of 1.75 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_1_75gpm_Hospitality_ Electric Water	standard A112.18.1M. Showerhead shall be purchased through		
151 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.	10	179 EA
					Replacement showerhead shall be pressure compensating with		
					non-removable flow controller and have flow rate of 1.5 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
1F3 Complibuthoused d- +-2 C	C	Faulus	Efficient	Replacement_1_50gpm_Hospitality_ Electric Water	standard A112.18.1M. Showerhead shall be purchased through	4.0	222 51
152 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.	10	222 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement 2 00gpm Health Care Electric Water	standard A112.18.1M. Showerhead shall be purchased through		
153 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.	10	111 EA

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						Measure Life	Annual Savings -
Line # Reference	Sector	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Replacement showerhead shall be pressure compensating with	(years)	Site (kwh/yr) UOM
				Commencial Sharrashand	non-removable flow controller and have flow rate of 1.75 gpm or		
			Efficient	Commercial Showerhead  Replacement_1_75gpm_Health Care_ Electric Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through		
154 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.	10	142 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient	Replacement_1_50gpm_Health Care_ Electric Water	standard A112.18.1M. Showerhead shall be purchased through		
155 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.	10	176 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_2_00gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be purchased through		
156 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Electric Water Heating_Retail	retail channels by consumer.	10	74 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient		standard A112.18.1M. Showerhead shall be purchased through		
157 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Electric Water Heating_Retail	retail channels by consumer.	10	94 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient		standard A112.18.1M. Showerhead shall be purchased through		
158 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Electric Water Heating_Retail	retail channels by consumer.	10	117 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_2_00gpm_Hospitality_Gas Water	standard A112.18.1M. Showerhead shall be purchased through		
159 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.  Replacement showerhead shall be pressure compensating with	10	6 EA
					non-removable flow controller and have flow rate of 1.75 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
460 CompDINACE according to 2, 0	C	Facilities	Efficient	Replacement_1_75gpm_Hospitality_Gas Water	standard A112.18.1M. Showerhead shall be purchased through	10	0.54
160 ComDHWShowerHeads_v2_0	Commerciai	Equipment	Showerheads	Heating_Retail	retail channels by consumer.  Replacement showerhead shall be pressure compensating with	10	8 EA
					non-removable flow controller and have flow rate of 1.5 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
161 ComDHWShowerHeads_v2_0	Commercial	Fauinment	Efficient Showerheads	Replacement_1_50gpm_Hospitality_ Gas Water Heating_Retail	standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	10 EA
101 Combitwishowerheads_v2_0	Commercial	Equipment	Showerheads	ricuting_rictuii	Replacement showerhead shall be pressure compensating with	10	10 EA
					non-removable flow controller and have flow rate of 2.0 gpm or		
			Efficient	Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
162 ComDHWShowerHeads_v2_0	Commercial	Fauipment	Efficient Showerheads	Replacement_2_00gpm_Health Care_ Gas Water Heating_Retail	standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	5 EA
				0	Replacement showerhead shall be pressure compensating with		
					non-removable flow controller and have flow rate of 1.75 gpm or		
			Efficient	Commercial Showerhead  Replacement 1 75gpm Health Care Gas Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through		
163 ComDHWShowerHeads v2 0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.	10	6 EA
<del>-</del> -					Replacement showerhead shall be pressure compensating with		
					non-removable flow controller and have flow rate of 1.5 gpm or		
			Efficient	Commercial Showerhead  Replacement_1_50gpm_Health Care_ Gas Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through		
164 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.	10	8 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient		standard A112.18.1M. Showerhead shall be purchased through		
165 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Gas Water Heating_Retail	retail channels by consumer.	10	3 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient		standard A112.18.1M. Showerhead shall be purchased through		
166 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Gas Water Heating_Retail	retail channels by consumer.	10	4 EA

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						Measure Life	Annual Savings -	
Line # Reference	Sector	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr)	UOM
					Replacement showerhead shall be pressure compensating with			
				Commercial Showerhead	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			
			Efficient	Replacement_1_50gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be purchased through			
167 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Gas Water Heating_Retail	retail channels by consumer.	10	5	EA
					Replacement showerhead shall be pressure compensating with			
					non-removable flow controller and have flow rate of 2.0 gpm or			
			Efficient	Commercial Showerhead  Replacement_2_00gpm_Hospitality_ Any Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through			
168 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.	10	92	EA
					Replacement showerhead shall be pressure compensating with			
				0 18 1	non-removable flow controller and have flow rate of 1.75 gpm or			
			Efficient	Commercial Showerhead  Replacement_1_75gpm_Hospitality_ Any Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be purchased through			
169 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.	10	117	EA
		• •		9_	Replacement showerhead shall be pressure compensating with			
					non-removable flow controller and have flow rate of 1.5 gpm or			
			Efficient	Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI			
170 ComDHWShowerHeads_v2_0	Commercial	Fauinment	Showerheads	Replacement_1_50gpm_Hospitality_ Any Water Heating_Retail	standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	146	EA
170 comp1144316wc111cdd3_42_6	Commercial	Equipment	Showerneads	reating_rectan	Replacement showerhead shall be pressure compensating with	10	140	LA.
					non-removable flow controller and have flow rate of 2.0 gpm or			
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI			
171 CompHWShowerHeads v2 0	Commercial	Equipment	Efficient	Replacement_2_00gpm_Health Care_ Any Water	standard A112.18.1M. Showerhead shall be purchased through retail channels by consumer.	10	72	EA
171 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Retail	Replacement showerhead shall be pressure compensating with	10	/3	EA
					non-removable flow controller and have flow rate of 1.75 gpm or			
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI			
470.0 Duniel III I 0.0			Efficient	Replacement_1_75gpm_Health Care_ Any Water	standard A112.18.1M. Showerhead shall be purchased through			
172 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.  Replacement showerhead shall be pressure compensating with	10	93	EA
					non-removable flow controller and have flow rate of 1.5 gpm or			
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI			
			Efficient	Replacement_1_50gpm_Health Care_ Any Water	standard A112.18.1M. Showerhead shall be purchased through			
173 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Retail	retail channels by consumer.	10	115	EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or			
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI			
			Efficient	Replacement_2_00gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be purchased through			
174 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Any Water Heating_Retail	retail channels by consumer.	10	48	EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or			
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI			
			Efficient	Replacement_1_75gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be purchased through			
175 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Any Water Heating_Retail	retail channels by consumer.	10	62	EA
					Replacement showerhead shall be pressure compensating with			
				Commercial Showerhead	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			
			Efficient	Replacement_1_50gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be purchased through			
176 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Any Water Heating_Retail	retail channels by consumer.	10	77	EA
					Replacement showerhead shall be pressure compensating with			
				Commercial Showerhead	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			
			Efficient	Replacement 2 00gpm Hospitality Electric Water	standard A112.18.1M. Showerhead shall be delivered to			
177 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	105	EA
					Replacement showerhead shall be pressure compensating with			
				Commercial Showerhead	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			
			Efficient	Replacement 1 75gpm Hospitality Electric Water	standard A112.18.1M. Showerhead shall be delivered to			
178 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	143	EA
					Replacement showerhead shall be pressure compensating with			
				Communicated Chance of	non-removable flow controller and have flow rate of 1.5 gpm or			
			Efficient	Commercial Showerhead  Replacement_1_50gpm_Hospitality_ Electric Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to			
179 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating Mail-by-Request	consumer in fulfillment of their request.	10	190	EA
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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Replacement showerhead shall be pressure compensating with	(years)	Site (kwh/yr) UOM
				Commercial Showerhead	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		
			Efficient	Replacement_2_00gpm_Health Care_ Electric Water	standard A112.18.1M. Showerhead shall be delivered to		
180 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	83 EA
					Replacement showerhead shall be pressure compensating with		
				Canada and a Channach and	non-removable flow controller and have flow rate of 1.75 gpm or		
			Efficient	Commercial Showerhead  Replacement_1_75gpm_Health Care_ Electric Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to		
181 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	114 EA
					Replacement showerhead shall be pressure compensating with		
					non-removable flow controller and have flow rate of 1.5 gpm or		
			Efficient	Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
182 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Replacement_1_50gpm_Health Care_ Electric Water Heating Mail-by-Request	standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	151 EA
102 combitwosioweriteaus_v2_o	Commercial	Equipment	Showerheads	reaching_wan by request	Replacement showerhead shall be pressure compensating with	10	151 EA
					non-removable flow controller and have flow rate of 2.0 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_2_00gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be delivered to		
183 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Electric Water Heating_Mail-by-Request	consumer in fulfillment of their request.	10	55 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_1_75gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be delivered to		
184 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Electric Water Heating_Mail-by-Request	consumer in fulfillment of their request.	10	76 EA
					Replacement showerhead shall be pressure compensating with		
				Canada and all Channels and	non-removable flow controller and have flow rate of 1.5 gpm or		
			Efficient	Commercial Showerhead  Replacement_1_50gpm_Small Commercial - Employee	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to		
185 ComDHWShowerHeads_v2_0	Commercial	Fauipment	Showerheads	Shower Electric Water Heating Mail-by-Request	consumer in fulfillment of their request.	10	100 EA
105 001115111151101110111011101110111011	Commercial	Equipment	Silowerneads	5.10 Met _ Electric Mater Medius_Mail by Nequest	Replacement showerhead shall be pressure compensating with	10	100 E/1
					non-removable flow controller and have flow rate of 2.0 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_2_00gpm_Hospitality_Gas Water	standard A112.18.1M. Showerhead shall be delivered to		
186 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	5 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_1_75gpm_Hospitality_Gas Water	standard A112.18.1M. Showerhead shall be delivered to		
187 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	6 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient	Replacement_1_50gpm_Hospitality_ Gas Water	standard A112.18.1M. Showerhead shall be delivered to		
188 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	8 EA
					Replacement showerhead shall be pressure compensating with		
					non-removable flow controller and have flow rate of 2.0 gpm or		
			Efficient	Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
189 ComDHWShowerHeads v2 0	Commercial	Equipment	Efficient Showerheads	Replacement_2_00gpm_Health Care_ Gas Water Heating_Mail-by-Request	standard A112.18.1M. Showerhead shall be delivered to consumer in fulfillment of their request.	10	4 EA
103 COMDITIVISHOWETHCUUS_V2_0	Commercial	Equipment	Showerheads	reaching_wan by request	Replacement showerhead shall be pressure compensating with	10	7 50
					non-removable flow controller and have flow rate of 1.75 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_1_75gpm_Health Care_ Gas Water	standard A112.18.1M. Showerhead shall be delivered to		
190 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	5 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_1_50gpm_Health Care_ Gas Water	standard A112.18.1M. Showerhead shall be delivered to		
191 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	6 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	non-removable flow controller and have flow rate of 2.0 gpm or		
			Efficient	Commercial Showerhead  Replacement_2_00gpm_Small Commercial - Employee	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to		
192 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Gas Water Heating_Mail-by-Request	consumer in fulfillment of their request.	10	2 EA
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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Replacement showerhead shall be pressure compensating with	(years)	Site (kwh/yr) UOM
				Commencial Sharrashand	non-removable flow controller and have flow rate of 1.75 gpm or		
			Efficient	Commercial Showerhead  Replacement_1_75gpm_Small Commercial - Employee	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to		
193 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Gas Water Heating_Mail-by-Request	consumer in fulfillment of their request.	10	3 EA
					Replacement showerhead shall be pressure compensating with		
				Communical Channels and	non-removable flow controller and have flow rate of 1.5 gpm or		
			Efficient	Commercial Showerhead  Replacement_1_50gpm_Small Commercial - Employee	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to		
194 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Gas Water Heating_Mail-by-Request	consumer in fulfillment of their request.	10	4 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	non-removable flow controller and have flow rate of 2.0 gpm or		
			Efficient	Replacement_2_00gpm_Hospitality_ Any Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to		
195 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	69 EA
					Replacement showerhead shall be pressure compensating with		
				Communication Channels and	non-removable flow controller and have flow rate of 1.75 gpm or		
			Efficient	Commercial Showerhead  Replacement_1_75gpm_Hospitality_ Any Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to		
196 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	94 EA
					Replacement showerhead shall be pressure compensating with		
				Communication Channels and	non-removable flow controller and have flow rate of 1.5 gpm or		
			Efficient	Commercial Showerhead  Replacement_1_50gpm_Hospitality_ Any Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to		
197 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	125 EA
					Replacement showerhead shall be pressure compensating with		
					non-removable flow controller and have flow rate of 2.0 gpm or		
			Efficient	Commercial Showerhead  Replacement_2_00gpm_Health Care_ Any Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to		
198 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	55 EA
					Replacement showerhead shall be pressure compensating with		
				Communical Channels and	non-removable flow controller and have flow rate of 1.75 gpm or		
			Efficient	Commercial Showerhead  Replacement_1_75gpm_Health Care_ Any Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to		
199 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	74 EA
					Replacement showerhead shall be pressure compensating with		
				Communical Channels and	non-removable flow controller and have flow rate of 1.5 gpm or		
			Efficient	Commercial Showerhead  Replacement_1_50gpm_Health Care_ Any Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be delivered to		
200 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Mail-by-Request	consumer in fulfillment of their request.	10	99 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient		standard A112.18.1M. Showerhead shall be delivered to		
201 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Any Water Heating_Mail-by-Request	consumer in fulfillment of their request.	10	36 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient		standard A112.18.1M. Showerhead shall be delivered to		
202 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Any Water Heating_Mail-by-Request	consumer in fulfillment of their request.	10	50 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient		standard A112.18.1M. Showerhead shall be delivered to		
203 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Any Water Heating_Mail-by-Request		10	66 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient	Replacement_2_00gpm_Hospitality_ Electric Water	standard A112.18.1M. Showerhead shall be installed by utility		
204 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.	10	158 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient	Replacement_1_75gpm_Hospitality_Electric Water	standard A112.18.1M. Showerhead shall be installed by utility		
205 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.	10	215 EA

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						Measure Life	Annual Savings -
Line # Reference	Sector	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Replacement showerhead shall be pressure compensating with	(years)	Site (kwh/yr) UOM
				Commercial Showerhead	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		
			Efficient	Replacement_1_50gpm_Hospitality_ Electric Water	standard A112.18.1M. Showerhead shall be installed by utility		
206 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.	10	285 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_2_00gpm_Health Care_ Electric Water	standard A112.18.1M. Showerhead shall be installed by utility		
207 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.  Replacement showerhead shall be pressure compensating with	10	125 EA
					non-removable flow controller and have flow rate of 1.75 gpm or		
			F#Finite.	Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
208 ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Replacement_1_75gpm_Health Care_ Electric Water Heating_Direct Install	standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	170 EA
		1. 1.		<b>6</b>	Replacement showerhead shall be pressure compensating with		
				Commorcial Showarhood	non-removable flow controller and have flow rate of 1.5 gpm or		
			Efficient	Commercial Showerhead  Replacement_1_50gpm_Health Care_ Electric Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility		
209 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.	10	226 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient	Replacement_2_00gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be installed by utility		
210 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_Electric Water Heating_Direct Install	staff or utility contractor.	10	83 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
211 Campilla/Shaurari landa v2 0	Commoraial	Fauinment	Efficient	Replacement_1_75gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be installed by utility	10	113 54
211 ComDHWShowerHeads_v2_0	Commerciai	Equipment	Showerheads	Shower_ Electric Water Heating_Direct Install	staff or utility contractor.  Replacement showerhead shall be pressure compensating with	10	113 EA
					non-removable flow controller and have flow rate of 1.5 gpm or		
			F#Finite.	Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
212 ComDHWShowerHeads_v2_0	Commercial	Fauipment	Efficient Showerheads	Replacement_1_50gpm_Small Commercial - Employee Shower_ Electric Water Heating_Direct Install	standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	150 EA
		-4			Replacement showerhead shall be pressure compensating with		
				Commorcial Showarhood	non-removable flow controller and have flow rate of 2.0 gpm or		
			Efficient	Commercial Showerhead  Replacement_2_00gpm_Hospitality_ Gas Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility		
213 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.	10	7 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.75 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_1_75gpm_Hospitality_Gas Water	standard A112.18.1M. Showerhead shall be installed by utility		
214 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.  Replacement showerhead shall be pressure compensating with	10	9 EA
					non-removable flow controller and have flow rate of 1.5 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
215 ComDHWShowerHeads_v2_0	Commorcial	Equipment	Efficient Showerheads	Replacement_1_50gpm_Hospitality_ Gas Water Heating_Direct Install	standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	12 EA
213 CombnW3howerneaus_v2_0	Commercial	Equipment	Silowerneaus	neating_birect install	Replacement showerhead shall be pressure compensating with	10	12 EA
					non-removable flow controller and have flow rate of 2.0 gpm or		
			Efficient	Commercial Showerhead  Replacement_2_00gpm_Health Care_ Gas Water	less as tested at 80 psi (552 kPa) in accordance with ANSI standard A112.18.1M. Showerhead shall be installed by utility		
216 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.	10	5 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient	Replacement_1_75gpm_Health Care_ Gas Water	standard A112.18.1M. Showerhead shall be installed by utility		
217 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.	10	7 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 1.5 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
	_		Efficient	Replacement_1_50gpm_Health Care_ Gas Water	standard A112.18.1M. Showerhead shall be installed by utility		
218 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.	10	10 EA

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						Measure Life	Annual Savings -
Line # Reference	Sector	Category	Subcategory	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u> Replacement showerhead shall be pressure compensating with	(years)	Site (kwh/yr) UOM
					non-removable flow controller and have flow rate of 2.0 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_2_00gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be installed by utility		
219 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_Gas Water Heating_Direct Install	staff or utility contractor.	10	4 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient	Replacement_1_75gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be installed by utility		
220 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Gas Water Heating_Direct Install	staff or utility contractor.	10	5 EA
		• •		_ <b>%_</b>	Replacement showerhead shall be pressure compensating with		
					non-removable flow controller and have flow rate of 1.5 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_1_50gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be installed by utility		
221 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_Gas Water Heating_Direct Install	staff or utility contractor.	10	6 EA
					Replacement showerhead shall be pressure compensating with non-removable flow controller and have flow rate of 2.0 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_2_00gpm_Hospitality_ Any Water	standard A112.18.1M. Showerhead shall be installed by utility		
222 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.	10	103 EA
					Replacement showerhead shall be pressure compensating with		
					non-removable flow controller and have flow rate of 1.75 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
222 ComplianChannal Inches 2 0	C	Facilianian	Efficient	Replacement_1_75gpm_Hospitality_Any Water	standard A112.18.1M. Showerhead shall be installed by utility	40	444 54
223 ComDHWShowerHeads_v2_0	Commerciai	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.  Replacement showerhead shall be pressure compensating with	10	141 EA
					non-removable flow controller and have flow rate of 1.5 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_1_50gpm_Hospitality_ Any Water	standard A112.18.1M. Showerhead shall be installed by utility		
224 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.	10	187 EA
					Replacement showerhead shall be pressure compensating with		
					non-removable flow controller and have flow rate of 2.0 gpm or		
			Efficient	Commercial Showerhead  Replacement 2 O0gpm Health Care Any Water	less as tested at 80 psi (552 kPa) in accordance with ANSI		
225 ComDHWShowerHeads_v2_0	Commercial	Fauinment	Showerheads	Heating_Direct Install	standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	82 EA
223 COMBINVISIOWCITICAUS_V2_0	Commercial	Equipment	Showerneads	ricating_birect instan	Replacement showerhead shall be pressure compensating with	10	OZ EA
					non-removable flow controller and have flow rate of 1.75 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient	Replacement_1_75gpm_Health Care_ Any Water	standard A112.18.1M. Showerhead shall be installed by utility		
226 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.	10	112 EA
					Replacement showerhead shall be pressure compensating with		
				Commercial Showerhead	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		
			Efficient	Replacement_1_50gpm_Health Care_ Any Water	standard A112.18.1M. Showerhead shall be installed by utility		
227 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Heating_Direct Install	staff or utility contractor.	10	148 EA
				<del></del>	Replacement showerhead shall be pressure compensating with		
					non-removable flow controller and have flow rate of 2.0 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
220 0 200000 11 1 2 2			Efficient	Replacement_2_00gpm_Small Commercial - Employee	standard A112.18.1M. Showerhead shall be installed by utility	40	F4 F4
228 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_Any Water Heating_Direct Install	staff or utility contractor.  Replacement showerhead shall be pressure compensating with	10	54 EA
					non-removable flow controller and have flow rate of 1.75 gpm or		
				Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
			Efficient		standard A112.18.1M. Showerhead shall be installed by utility		
229 ComDHWShowerHeads_v2_0	Commercial	Equipment	Showerheads	Shower_ Any Water Heating_Direct Install	staff or utility contractor.	10	74 EA
					Replacement showerhead shall be pressure compensating with		
					non-removable flow controller and have flow rate of 1.5 gpm or		
			Efficient.	Commercial Showerhead	less as tested at 80 psi (552 kPa) in accordance with ANSI		
230 ComDHWShowerHeads_v2_0	Commercial	Equipment	Efficient Showerheads	Replacement_1_50gpm_Small Commercial - Employee Shower_ Any Water Heating_Direct Install	standard A112.18.1M. Showerhead shall be installed by utility staff or utility contractor.	10	99 EA
230 Combrivianowerneaus_v2_0	Commercial	Equipment	Silowerrieaus	Shower_Any water reading_birect histan	Manufacturer, Dealer or Consumer Rebate. Cost and savings are	10	33 EA
			Energy Star		per computer controlled.		
231 ComComputers_v1_1	Commercial	Process Ene		Energy Star Desktop Computer		4	73 EA
232 ComGroceryAntiSweatHeaters_v1_0	Third Party C	c Commercia	l Refrigeration	Controls – Anti-Sweat Heat – Low Temp	Energy Smart Grocer Program, implemented by PECI	8	434 EA
233 ComGroceryAntiSweatHeaters_v1_0			l Refrigeration	Controls – Anti-Sweat Heat – Med Temp	Energy Smart Grocer Program, implemented by PECI	8	324 EA
234 ComGroceryAutoCloser_v1_0	Third Party C	c Commercia	I Auto-Closers	Auto-Closers for Glass Reach-in Doors – Freezers	Energy Smart Grocer Program, implemented by PECI	8	560 EA

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						N4 116 -	Americal Continues
Line # Reference	Sector Cat	egory Su	ubcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Annual Savings - Site (kwh/yr) UOM
235 ComGroceryAutoCloser v1 0	Third Party Cc Con			Auto-Closers for Glass Reach-in Doors – Coolers	Energy Smart Grocer Program, implemented by PECI	8	373 EA
236 ComGroceryAutoCloser_v1_0	Third Party Cc Con			Auto-Closers for Walk-in Freezers	Energy Smart Grocer Program, implemented by PECI	8	2,806 EA
237 ComGroceryAutoCloser_v1_0	Third Party Cc Con	nmercial A	uto-Closers	Auto-Closers for Walk-in Coolers	Energy Smart Grocer Program, implemented by PECI	8	241 EA
						no values	
238 ComGroceryCompressorECM_v1_0	Third Party Cc Con		-	Compressor Head Fan Motor Retrofit to ECM	Energy Smart Grocer Program, implemented by PECI	available	776 EA
239 ComGroceryCaseLED_v1_1	Third Party Cc Con			Open Case Lights - Low Power LED from T12	Energy Smart Grocer Program, implemented by PECI	6	65 LF
240 ComGroceryCaseLED_v1_1 241 ComGroceryCaseLED_v1_1	Third Party Cc Con Third Party Cc Con			Open Case Lights - Low Power LED from T8 Open Case Lights - High Power LED from T12	Energy Smart Grocer Program, implemented by PECI Energy Smart Grocer Program, implemented by PECI	6 6	38 LF 133 LF
242 ComGroceryCaseLED_v1_1	Third Party Cc Con			Open Case Lights - High Power LED from T8	Energy Smart Grocer Program, implemented by PECI	6	81 LF
243 ComGroceryCaseLED_v1_1	Third Party Cc Con			Open Case Lights - Delamp T12	Energy Smart Grocer Program, implemented by PECI	6	100 LF
244 ComGroceryCaseLED_v1_1	Third Party Cc Con			Open Case Lights - Delamp T8	Energy Smart Grocer Program, implemented by PECI	6	74 LF
245 ComGroceryCaseLED_v1_1	Third Party Cc Con	nmercial Li	ighting	Open Case Lights - LED High Power - New Case	Energy Smart Grocer Program, implemented by PECI	6	62 LF
246 ComGroceryCaseLED_v1_1	Third Party Cc Con	nmercial Li	ighting	Open Case Lights - LED Low Power - New Case	Energy Smart Grocer Program, implemented by PECI	6	28 LF
247 ComGroceryDisplayCaseLED_v2_2	Commercial Ligh	nting LE	ED	Reach-in Case Lighting: T12 to High Power LED (Retrofit)	EnergySmart and EnergySmart Grocer	5	106 EA
248 ComGroceryDisplayCaseLED_v2_2	Commercial Ligh	nting LE	ED	Reach-in Case Lighting: T12 to Low Power LED (Retrofit)	EnergySmart and EnergySmart Grocer	5	141 EA
249 ComGroceryDisplayCaseLED_v2_2	Commercial Ligh	nting LE	ED	Reach-in Case Lighting: T8 to High Power LED (Retrofit)	EnergySmart and EnergySmart Grocer	5	80 EA
250 ComGroceryDisplayCaseLED_v2_2	Commercial Ligh	nting LE	ED	Reach-in Case Lighting: T8 to Low Power LED (Retrofit)	EnergySmart and EnergySmart Grocer	5	112 EA
251 ComGroceryDisplayCaseLED_v2_2	Commercial Ligh	nting LE	ED	Reach-in Case Lighting: High Power LED (New Case)	EnergySmart and EnergySmart Grocer	5	80 EA
252 ComGroceryDisplayCaseLED_v2_2	Commercial Ligh	nting LE	ED	Reach-in Case Lighting: Low Power LED (New Case)	EnergySmart and EnergySmart Grocer	5	112 EA
253 ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc Con	nmercial Li	ighting	LED Case Lights - Replace T8 in Existing Case - LED power less than 4.0 watts per linear foot	Energy Smart Grocer Program, implemented by PECI	6	104 LF
254 ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc Con	nmercial Li	ighting	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 PECI	6	59 LF
255 ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc Con	nmercial Li	ighting	LED Case Lights - Replace T12 in Existing Case - LED power less than 4.0 watts per linear foot	Energy Smart Grocer Program, implemented by PECI	6	154 LF
				LED Case Lights - Replace T12 in Existing Case - LED			
256 ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc Con	nmercial Li	ighting	power between 4.0 and 7.5 watts per linear foot LED Case Lights - New Case - LED power less than 4.0	Energy Smart Grocer Program, implemented by PECI	6	105 LF
257 ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc Con	nmercial Li	ighting	watts per linear foot LED Case Lights - New Case - LED power between 4.0	Energy Smart Grocer Program, implemented by PECI	6	104 LF
258 ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc Con	nmercial Li	ighting	and 7.5 watts per linear foot	Energy Smart Grocer Program, implemented by PECI	6	59 LF
259 ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc Con	nmercial Li	ighting	Motion Sensor on LED Case Lights - LED power less than 4.0 watts per linear foot	Energy Smart Grocer Program, implemented by PECI	8	14 EA
260 ComGroceryDisplayCaseLEDs_v2_1	Third Party Cc Con	nmercial Li	ighting	Motion Sensor on LED Case Lights - LED power between 4.0 and 7.5 watts per linear foot	Energy Smart Grocer Program, implemented by PECI	8	27 EA
261 ComGroceryDoorGasketReplacement_v1_0	Third Party Cc Con	mmercial <b>G</b>	iaskets	Gaskets for Reach-in Glass Doors, Low Temp (per door)	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.	15	410 EA
				Gaskets for Reach-in Glass Doors, Medium Temp (per	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		
262 ComGroceryDoorGasketReplacement_v1_0	Third Party Cc Con	nmercial G	askets	door)	15, 2009.	15	273 EA
263 ComGroceryDoorGasketReplacement_v1_0	Third Party Cc Con	nmercial G	askets	Gaskets for Walk-in Cooler – Main Door (per door)	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.	17	361 EA
							551 2.1

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Line# Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings - Site (kwh/yr)	<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			
264 ComGroceryDoorGasketReplacement_v1_0	Third Party (	Cc Commercial	Gaskets	Gaskets for Walk-in Freezer – Main Door (per door) Grocery HVAC VFD - 24 hr/day operation - 1.0 hp supply	a new gasket. Applies to installs after Jan 15, 2009.	17	662	EA
265 ComGroceryRTUFanVFD v1 2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	2,551	FA
				Grocery HVAC VFD - 24 hr/day operation - 1.5 hp supply	= : : : : : : : : : : : : : : : : : : :		_,	
266 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	3,827	' EA
267 ComGroceryRTUFanVFD v1 2	Commorcial	Crossni	HVAC	Grocery HVAC VFD - 24 hr/day operation - 2.0 hp supply fan motor		15	5,102	
267 ComidroceryRTOFanVFD_V1_2	Commercial	Grocery	HVAC	Grocery HVAC VFD - 24 hr/day operation - 3.0 hp supply	Energy Smart Grocer Program, implemented by PECI	15	5,102	EA
268 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	7,653	EA
				Grocery HVAC VFD - 24 hr/day operation - 4.0 hp supply				
269 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	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	FΔ
270 comproceryWorldWiD_VI_2	Commercial	Grocery	IIVAC	Grocery HVAC VFD - 24 hr/day operation - 7.5 hp supply	= : : : : : : : : : : : : : : : : : : :	15	12,755	LA
271 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	19,133	EA
272.0				Grocery HVAC VFD - 24 hr/day operation - 10.0 hp	5 6 10 8 11 11 11 150		25.540	
272 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	supply fan motor Grocery HVAC VFD - 16 hr/day operation - 1.0 hp supply	Energy Smart Grocer Program, implemented by PECI	15	25,510	) EA
273 ComGroceryRTUFanVFD v1 2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	1,724	EA
,		•		Grocery HVAC VFD - 16 hr/day operation - 1.5 hp supply	= : : : : : : : : : : : : : : : : : : :			
274 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	2,586	i 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	FΔ
275 comercerywording by 1_2	commercial	Grocery	IIVAC	Grocery HVAC VFD - 16 hr/day operation - 3.0 hp supply	= : : : : : : : : : : : : : : : : : : :	15	3,440	LA
276 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	5,172	: EA
		_		Grocery HVAC VFD - 16 hr/day operation - 4.0 hp supply				
277 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	fan motor Grocery HVAC VFD - 16 hr/day operation - 5.0 hp supply	Energy Smart Grocer Program, implemented by PECI	15	6,896	EA .
278 ComGroceryRTUFanVFD v1 2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	8,620	EA .
,		•		Grocery HVAC VFD - 16 hr/day operation - 7.5 hp supply	,		,	
279 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	12,930	EA .
280 ComGroceryRTUFanVFD v1 2	Commercial	Grocory	HVAC	Grocery HVAC VFD - 16 hr/day operation - 10.0 hp supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	17,240	
200 CollidioCeryKTOFallVFD_V1_2	Commercial	diocely	HVAC	Grocery HVAC VFD - 12 hr/day operation - 1.0 hp supply	= : : : : : : : : : : : : : : : : : : :	13	17,240	LA
281 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	1,295	EA
		_		Grocery HVAC VFD - 12 hr/day operation - 1.5 hp supply				
282 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	fan motor Grocery HVAC VFD - 12 hr/day operation - 2.0 hp supply	Energy Smart Grocer Program, implemented by PECI	15	1,943	EA
283 ComGroceryRTUFanVFD v1 2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	2,590	EA
,		•		Grocery HVAC VFD - 12 hr/day operation - 3.0 hp supply	,		,	
284 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	3,885	EA
285 ComGroceryRTUFanVFD v1 2	Commercial	Grocory	HVAC	Grocery HVAC VFD - 12 hr/day operation - 4.0 hp supply fan motor	/ Energy Smart Grocer Program, implemented by PECI	15	5,180	
263 CollidioceryKTOFallVFD_V1_2	Commercial	diocely	HVAC	Grocery HVAC VFD - 12 hr/day operation - 5.0 hp supply	= : : : : : : : : : : : : : : : : : : :	13	3,180	LA
286 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	fan motor	Energy Smart Grocer Program, implemented by PECI	15	6,475	EA
				Grocery HVAC VFD - 12 hr/day operation - 7.5 hp supply				
287 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	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	) FA
289 ComGroceryDisplayCaseECMs_v2_2		Cc Commercial		Display Case Motor: Shaded Pole to ECM	EnergySmart Grocer Program, implemented by PECI	15	,	' 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 .

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							Annual Savings -	
<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>	(years)	Site (kwh/yr) L	<u>UOM</u>
291 ComGroceryFHPCSingleCompressor_v1_1	Commercia	l Refrigeratio	Controls- Floatin on Head Pressure	g 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 bananced-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 E	EA
292 ComGroceryFHPCSingleCompressor_v1_1	Commercia	I Refrigeratio	Controls- Floatin on Head Pressure	g 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 bananced-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 E	ΕA
complete,, completonpleson_tx_s	Sommercia	gerdik		g Floating Head Pressure - Remote Condenser - Medium	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 bananced-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	13	333 1	_,
293 ComGroceryFHPCSingleCompressor_v1_1	Commercia	I Refrigeration	on Head Pressure	Temperature g Floating Head Pressure - Remote Condenser - Low	is reducing head pressure.  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 bananced-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	15	473 E	EΑ
294 ComGroceryFHPCSingleCompressor_v1_1		_	on Head Pressure	Temperature	is reducing head pressure.	15	685 E	
295 ComGroceryWalkinCFL_v1_1	-	Cc Commercia		CFL for walk-in cooler/freezer	Energy Smart Grocer Program, implemented by PECI	no value given	671 E	
296 ComGroceryWalkinCaseT8_v1_1		l Commercia		Case Lighting T-10/12 to T8, 4 ft	Energy Smart Grocer Program, implemented by PECI	12	239 E	
297 ComGroceryWalkinCaseT8_v1_1		l Commercia		Case Lighting T-10/12 to T8, 5 ft	Energy Smart Grocer Program, implemented by PECI	12	322 E	
298 ComGroceryWalkinCaseT8_v1_1		l Commercia		Case Lighting T-10/12 to T8, 6 ft	Energy Smart Grocer Program, implemented by PECI	12	432 E	
299 ComGroceryWalkinCaseT8_v1_1		l Commercia		Case Lighting T-10 to T8, 8 ft	Energy Smart Grocer Program, implemented by PECI	12	331 E	
300 ComGroceryWalkinCaseT8_v1_1		I Commercia		Hardwired T8 in Walk-in	Energy Smart Grocer Program, implemented by PECI Energy Smart Grocer Program, implemented by PECI	12	616 E	
301 ComGroceryEvapFanPSCMotor_v1_0	Inira Party	Cc Commercia	Refrigeration	Evaporator Motor - Shaded Pole to PSC in Walk-In	energy Smart Grocer Program, implemented by PECI	20	562 E	iA.
302 ProCost_VerticalNirghtCoversx	Third Party	Cc Commercia	l Refrigeration	Evaporator Motor - Shaded Pole to PSC in Display Case Grocery HVAC VFD - 24 hr/day operation - 1.0 hp suppl		20	360 E	ΞA
303 ComGroceryRTUFanVFD_v1_2	Commercia	l Grocery	HVAC	fan motor Grocery HVAC VFD - 24 hr/day operation - 1.5 hp suppl	Energy Smart Grocer Program, implemented by PECI y	15	2,551 E	ΞA
304 ComGroceryRTUFanVFD_v1_2	Commercia	l Grocery	HVAC	fan motor Grocery HVAC VFD - 24 hr/day operation - 2.0 hp suppl	Energy Smart Grocer Program, implemented by PECI	15	3,827 E	ĒΑ
305 ComGroceryRTUFanVFD_v1_2	Commercia	l Grocery	HVAC	fan motor Grocery HVAC VFD - 24 hr/day operation - 3.0 hp suppl	Energy Smart Grocer Program, implemented by PECI	15	5,102 E	ĒΑ
306 ComGroceryRTUFanVFD_v1_2	Commercia	l Grocery	HVAC	fan motor Grocery HVAC VFD - 24 hr/day operation - 4.0 hp suppl	Energy Smart Grocer Program, implemented by PECI	15	7,653 E	ĒΑ
307 ComGroceryRTUFanVFD_v1_2	Commercia	l Grocery	HVAC	fan motor  Grocery HVAC VFD - 24 hr/day operation - 5.0 hp suppl	Energy Smart Grocer Program, implemented by PECI	15	10,204 E	ĒΑ
308 ComGroceryRTUFanVFD_v1_2	Commercia	l Grocery	HVAC	fan motor  Grocery HVAC VFD - 24 hr/day operation - 7.5 hp suppl  Grocery HVAC VFD - 24 hr/day operation - 7.5 hp suppl	Energy Smart Grocer Program, implemented by PECI	15	12,755 E	ĒΑ
309 ComGroceryRTUFanVFD_v1_2	Commercia	l Grocery	HVAC	fan motor  Grocery HVAC VFD - 24 hr/day operation - 7.3 hp suppli fan motor	Energy Smart Grocer Program, implemented by PECI	15	19,133 E	ĒΑ
310 ComGroceryRTUFanVFD_v1_2	Commercia	l Grocery	HVAC	supply fan motor	Energy Smart Grocer Program, implemented by PECI	15	25,510 E	EA

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name Grocery HVAC VFD - 16 hr/day operation - 1.0 hp supply	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
311 ComGroceryRTUFanVFD_v1_2	Commercial	Grocery	HVAC	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	Refrigeratio	n 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	Refrigeratio	n 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	Refrigeratio	n 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	Refrigeratio	n Strip Curtains	Strip Curtains - Restaurant - Freezer	Manufacturer, retailer or consumer rebate, coupon or other incentive and direct installations.	4	134 EA
				Evaporator Fan ECMotor Controller - Walk-In - Medium			
331 ComGroceryWalkinEvapFanECMController_v1_1	Third Party C	c Commercial	I Refrigeration	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 C	c Commercial	l 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 C	c Commercial	I 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 C	c Commercial	I 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 Dorty (	's Commonsial	I 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
333 Comprocerywaikinevapranecivicontroller_v1_1	Tilliu Faity C	.c Commercia	Reingeration		Energy Smart Grocer Program, implemented by PECI	13	204 EA
336 ComGroceryWalkinEvapFanECMController_v1_1	Third Party C	c 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 C	c Commercial	I 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 C	c Commercial	I 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
220 ComGreennMalkinFuneFeeSBController - 4 0	Third Donte: (	's Commore'-	I Pofrigoration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In Medium Temp - 1/10-1/20 HP - 2 or more		45	47C FA
339 ComGroceryWalkinEvapFanSPController_v1_0	mind Party C	.c commercia	I Refrigeration	motors/controller	Energy Smart Grocer Program, implemented by PECI	15	176 EA

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Line# Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings Site (kwh/yr)	
340 ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercia	l Refrigeration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In Low Temp - 1/10-1/20 HP - 3 or more motors/controller		15	262	2 EA
341 ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercia	l Refrigeration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In Medium Temp - 16-23 W - 5 or more motors/controller		15	69	9 EA
342 ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercia	l 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	3 EA
343 ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercia	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	6 EA
344 ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercia	l Refrigeration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In Low Temp - 1/10-1/20 HP - 1 or 2 motors per controller		15	262	2 EA
345 ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercia	l Refrigeration	Evaporator Fan Shaded-Pole Motor Controller - Walk-In Medium Temp - 16-23 W - 1 to 4 motors per controller		15	69	9 EA
346 ComGroceryWalkinEvapFanSPController_v1_0	Third Party	Cc Commercia	l 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		3 EA
347 ComGroceryWalkinCaseDoorRetrofit_v1_0	Third Party	Cc Commercia	I Grocery	Walk In Case Door Retrofit	Energy Smart Grocer Program, implemented by PECI	no values available	no value availabl	
348 NonResNetCompPwrMgt_v3_0	Commercia	l Process Ene	Control of Office or 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	4 Unit
349 NonResNetCompPwrMgt_v3_0	Commercia	l Process Ene	Control of Office er 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.  Manufacturer, Dealer or Consumer Rebate. Control must be	4	124	4 Unit
350 NonResNetCompPwrMgt_v3_0	Commercia	l Process Ene	Control of Office er Equipment	Networked Computer Control K-12 School Gas heat	provided by software meeting the RTF's Networked Computer Power Management Control Software Specifications. Cost and savings are per computer controlled.  Manufacturer, Dealer or Consumer Rebate. Control must be provided by software meeting the RTF's Networked Computer	4	159	9 Unit
351 NonResNetCompPwrMgt_v3_0	Commercia	l Process Ene		Networked Computer Control Large Office/Central HVAC Electric heat	Power Management Control Software Specifications. Cost and savings are per computer controlled.  Manufacturer, Dealer or Consumer Rebate. Control must be	4	131	1 Unit
352 NonResNetCompPwrMgt_v3_0	Commercia	l Process Ene		Networked Computer Control Large Office/Central HVAC Heat pump	provided by software meeting the RTF's Networked Computer Power Management Control Software Specifications. Cost and savings are per computer controlled.	4	148	8 Unit
353 NonResNetCompPwrMgt_v3_0	Commercia	l Process Ene		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	1 Unit
354 NonResNetCompPwrMgt_v3_0	Commercia	l Process Ene		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	9 Unit

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<u>Lin</u>	e# Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u>	Measure Life (years)	Annual Savings Site (kwh/yr)	_
	355 NonResNetCompPwrMgt_v3_0	Commercial	Process Ener		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	8 Unit
				Control of Office	Networked Computer Control Other/Packaged HVAC	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.			
	356 NonResNetCompPwrMgt v3 0	Commorcial	Process Ener		Gas heat	savings are per computer controlled.	4	177	2 Unit
	357 SmartPlugPowerStrips v2 0				Smart Strip - Commercial Office - Load Sensor	Manufacturer, Dealer or Consumer Rebate	4		D EA
	557 SmartriugPowerStrips_V2_U	Commercial	Equipment	Smart Strips	•	Manufacturer, retailer or consumer rebate, coupon or other	4	100	J EA
	250 CI 5DT#:-CiI2-0	Other	To Min I industr	LED Clausely		incentive and direct installations. Unit must comply with Energy		CET	
	358 ComLEDTrafficSignals_v2_0	Other	Traffic Lightii	LED Signals	Ball Signal with 12 inch Red LED module	Star specifications.	6	653	5 EA
						Manufacturer, retailer or consumer rebate, coupon or other			
						incentive and direct installations. Unit must comply with Energy			
	359 ComLEDTrafficSignals_v2_0	Other	Traffic Lightii	LED Signals	Ball Signal with 12 inch Green LED module	Star specifications.	6	514	4 EA
					LED Traffic Signals - Replace 12 inch Yellow	Manufacturer, retailer or consumer rebate, coupon or other			
					Incandescent Ball Signal with 12 inch Yellow LED	incentive and direct installations. Unit must comply with Energy			
	360 ComLEDTrafficSignals v2 0	Other	Traffic Lightin	LED Signals	module	Star specifications.	6	37	7 EA
	°		· ·	=		Manufacturer, retailer or consumer rebate, coupon or other			
					LED Traffic Signals - Replace 12 inch Red Incandescent	incentive and direct installations. Unit must comply with Energy			
	361 ComLEDTrafficSignals v2 0	Other	Traffic Lightin	I ED Signals	Turn Signal with 12 inch Red LED module	Star specifications.	6	024	6 EA
	301 CONTEED Traincsignais_v2_0	Other	Traffic Lightin	I LED Signals	Tutti Signai with 12 ilicii ked LED ilioddie		U	930	D EA
					150 T (C C)   D   40 ;   O   1   1	Manufacturer, retailer or consumer rebate, coupon or other			
					= :	incentive and direct installations. Unit must comply with Energy	_		
	362 ComLEDTrafficSignals_v2_0	Other	Traffic Lightii	LED Signals	Turn Signal with 12 inch Green LED module	Star specifications.	6	86	6 EA
					LED Traffic Signals - Replace 12 inch Yellow	Manufacturer, retailer or consumer rebate, coupon or other			
					Incandescent Turn Signal with 12 inch Yellow LED	incentive and direct installations. Unit must comply with Energy			
	363 ComLEDTrafficSignals_v2_0	Other	Traffic Lightii	LED Signals	module	Star specifications.	6	31	1 EA
						Manufacturer, retailer or consumer rebate, coupon or other			
					LED Traffic Signals - Replace 8 inch Red Incandescent	incentive and direct installations. Unit must comply with Energy			
	364 ComLEDTrafficSignals v2 0	Other	Traffic Lightin	LED Signals	Ball Signal with 8 inch Red LED module	Star specifications.	6	368	B EA
	°		· ·	· ·	S .	Manufacturer, retailer or consumer rebate, coupon or other			
					LED Traffic Signals - Replace 8 inch Green Incandescent	incentive and direct installations. Unit must comply with Energy			
	365 ComLEDTrafficSignals v2 0	Other	Traffic Lightin	I FD Signals	Ball Signal with 8 inch Green LED module	Star specifications.	6	283	3 EA
	303 CONTED Tranic Signals_V2_0	Other	Trainic Lightin	LED SIGNAIS	buil Signal With Girech EED module	Manufacturer, retailer or consumer rebate, coupon or other	· ·	20.	, LA
					LED Traffic Signals - Replace 8 inch Yellow Incandescent	incentive and direct installations. Unit must comply with Energy			
	366 CI EDT#i-6i	Other	To Min I industr	LED Clausely				10	
	366 ComLEDTrafficSignals_v2_0	Other	Traffic Lightii	LED Signals	Ball Signal with 8 inch Yellow LED module	Star specifications.	6	19	9 EA
						Manufacturer, retailer or consumer rebate, coupon or other			
						incentive and direct installations. Unit must comply with Energy			
	367 ComLEDTrafficSignals_v2_0	Other	Traffic Lightii	LED Signals	Turn Signal with 8 inch Red LED module	Star specifications.	6	401	1 EA
						Manufacturer, retailer or consumer rebate, coupon or other			
					LED Traffic Signals - Replace 8 inch Green Incandescent	incentive and direct installations. Unit must comply with Energy			
	368 ComLEDTrafficSignals_v2_0	Other	Traffic Lightii	LED Signals	Turn Signal with 8 inch Green LED module	Star specifications.	6	111	1 EA
						Manufacturer, retailer or consumer rebate, coupon or other			
					LED Traffic Signals - Replace 8 inch Yellow Incandescent	incentive and direct installations. Unit must comply with Energy			
	369 ComLEDTrafficSignals v2 0	Other	Traffic Lightin	LED Signals	Turn Signal with 8 inch Yellow LED module	Star specifications.	6	31	1 EA
	°		· ·	· ·	LED Traffic Signals - Replace Large Incandescent	Manufacturer, retailer or consumer rebate, coupon or other			
					Pedestrian Signal with large Uniform Appearance	incentive and direct installations. Unit must comply with Energy			
	370 ComLEDTrafficSignals v2 0	Other	Traffic Lightin	I ED Signals	Countdown Pedestrian Signal LED module	Star specifications.	5	1,210	n FA
	570 COMELD Hamicalghais_v2_U	Julei	rranne Ligittii	LED SIBILAIS	LED Traffic Signals - Replace Small Incandescent	Manufacturer, retailer or consumer rebate, coupon or other	5	1,210	, LA
	274 Com LEDTorfficCionale v.C. C	Other	T	LED Class 1	Pedestrian Signal with Small Uniform Appearance	incentive and direct installations. Unit must comply with Energy	_		
	371 ComLEDTrafficSignals_v2_0	Other	Traffic Lightii	LED Signals	Countdown Pedestrian Signal LED module	Star specifications.	5	847	7 EA
						Manufacturer, retailer or consumer rebate, coupon or other			
	372 ComCookingCombinationOven_v1_2x	Commercial	Equipment	Cooking	Energy Efficient Electric Combination Oven	incentive and direct installations.	12	11,757	7 EA

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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

						Measure Life	<b>Annual Savings -</b>	_
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr)	<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	I 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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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings - Site (kwh/yr)	<u>UOM</u>
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	5 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	2 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	3 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	3 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	1 EA

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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings - Site (kwh/yr)	<u>UOM</u>
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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Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	Measure Life (years)	Annual Savings - Site (kwh/yr)	<u>UOM</u>
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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<u>Line # Reference</u>	<u>Sector</u>	Category	Subcategory	<u>Procost Full Measure Name</u>	<u>Delivery Mechanism or Program</u>	Measure Life (years)	Annual Savings Site (kwh/yr)	<u>-</u> <u>UOM</u>
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	70,14	17 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	81,66	57 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	93,33	34 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	104,78	33 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	116,18	3 EA

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Agricultural 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

						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	Category	Subcategory	Procost Full Measure Name	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
					Service shop or end-consumer rebate, coupon or other incentive. Motor shall be		
					rewound by Green Motors Practices Group		
					program participant in good standing		
				Green Motors Program Rewind vs. Standard			
1 AgIndGreenMotorRewind v1 4	Agricultural	Equipment	Motors	Practice: Motor size 7.5HP, Agricultural	efficient rewinds.	14	154 EA
					Service shop or end-consumer rebate,		
					coupon or other incentive. Motor shall be		
					rewound by Green Motors Practices Group		
					program participant in good standing		
				Green Motors Program Rewind vs. Standard			
2 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Practice: Motor size 10HP, Agricultural	efficient rewinds.	14	203 EA
					Service shop or end-consumer rebate,		
					coupon or other incentive. Motor shall be		
					rewound by Green Motors Practices Group		
				Green Motors Program Rewind vs. Standard	program participant in good standing according to GMPG specifications for		
3 AgIndGreenMotorRewind v1 4	Agricultural	Equipment	Motors	Practice: Motor size 15HP, Agricultural	efficient rewinds.	14	299 EA
3 Aginudreeniviotoritewinu_v1_4	Agricultural	Equipment	Wiotors	Tractice. Wotor size 15111, Agricultural	Service shop or end-consumer rebate,	14	233 LA
					coupon or other incentive. Motor shall be		
					rewound by Green Motors Practices Group		
					program participant in good standing		
				Green Motors Program Rewind vs. Standard	according to GMPG specifications for		
4 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Practice: Motor size 20HP, Agricultural	efficient rewinds.	14	396 EA
					Service shop or end-consumer rebate,		
					coupon or other incentive. Motor shall be		
					rewound by Green Motors Practices Group		
					program participant in good standing		
				<del>-</del>	according to GMPG specifications for		
5 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Practice: Motor size 25HP, Agricultural	efficient rewinds.	14	554 EA
					Service shop or end-consumer rebate,		
					coupon or other incentive. Motor shall be		
					rewound by Green Motors Practices Group program participant in good standing		
				Green Motors Program Rewind vs. Standard			
6 AgIndGreenMotorRewind_v1_4	Δgricultural	Equipment	Motors	Practice: Motor size 30HP, Agricultural	efficient rewinds.	18	596 EA
o //gaa.reeiotoea_v1	7.6	Equipment	otors	Tractice: Motor Size Som / Agricultural	Service shop or end-consumer rebate,	10	330 21
					coupon or other incentive. Motor shall be		
					rewound by Green Motors Practices Group		
					program participant in good standing		
				Green Motors Program Rewind vs. Standard	according to GMPG specifications for		
7 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Practice: Motor size 40HP, Agricultural	efficient rewinds.	18	696 EA
					Service shop or end-consumer rebate,		
					coupon or other incentive. Motor shall be		
					rewound by Green Motors Practices Group		
					program participant in good standing		
9. AgladCroonMotorPowind ::4. 4	A ariaultural	Fauinment	Motors	Green Motors Program Rewind vs. Standard		10	755 54
8 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Practice: Motor size 50HP, Agricultural	efficient rewinds. Service shop or end-consumer rebate,	18	755 EA
					coupon or other incentive. Motor shall be		
					rewound by Green Motors Practices Group		
					program participant in good standing		
				Green Motors Program Rewind vs. Standard			
9 AgIndGreenMotorRewind v1 4	Agricultural	Equipment	Motors	Practice: Motor size 60HP, Agricultural	efficient rewinds.	18	715 EA
3	S	• •		, , ,			

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						Measure Life	Annual Savings -	
<u>Line # Reference</u>	<u>Sector</u>	<u>Category</u>	Subcategory	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	(years)	Site (kwh/yr) L	<u>JOM</u>
10 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 75HP, Agricultural	efficient rewinds. Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	17	743 E	EA
11 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 100HP, Agricultural	rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.  Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	17	985 E	EA
12 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 125HP, Agricultural	rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.  Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	17	1,096 E	EA
13 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 150HP, Agricultural	rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.  Service shop or end-consumer rebate,	17	1,306 E	EA
14 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 200HP, Agricultural	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.  Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	20	1,731 E	EA
15 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 250HP, Agricultural	rewound by Green Motors Practices Group program participant in good standing	20	2,739 E	EA
16 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 300HP, Agricultural	rewound by Green Motors Practices Group program participant in good standing	20	3,282 E	EA
17 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 350HP, Agricultural	rewound by Green Motors Practices Group program participant in good standing	20	3,829 E	EA
18 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 400HP, Agricultural	rewound by Green Motors Practices Group program participant in good standing	20	4,364 E	EA
19 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 450HP, Agricultural	rewound by Green Motors Practices Group program participant in good standing	20	4,896 E	EA

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						Measure Life	Annual Savings -
Line # Reference	<u>Sector</u>	<u>Category</u>	<u>Subcategory</u>		<u>Delivery Mechanism or Program</u> Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	(years)	Site (kwh/yr) UOM
20 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 500HP, Agricultural	rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.  Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	19	5,440 EA
21 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 600HP, Agricultural	efficient rewinds. Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	19	6,193 EA
22 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 700HP, Agricultural	rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.  Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	19	7,195 EA
23 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 800HP, Agricultural	efficient rewinds. Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	19	8,205 EA
24 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 900HP, Agricultural	efficient rewinds. Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	19	9,211 EA
25 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 1000HP, Agricultural	efficient rewinds. Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	19	10,192 EA
26 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 1250HP, Agricultural	efficient rewinds. Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	20	10,590 EA
27 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 1500HP, Agricultural	rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds.  Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group	20	12,681 EA
28 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 1750HP, Agricultural	program participant in good standing	20	14,732 EA
29 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard	program participant in good standing	20	16,766 EA

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						Measure Life	Annual Savings -
<u>Line # Reference</u>	<u>Sector</u>	Category	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Service shop or end-consumer rebate,	(years)	Site (kwh/yr) UOM
30 AgIndGreenMotorRewind v1 4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 2250HP, Agricultural	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.	20	18,744 EA
30 Agridatecimiotoricuma_11_4	Agriculturur	суприст	meta's		Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing	20	10,747 27
31 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 2500HP, Agricultural	efficient rewinds. Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group	20	20,783 EA
32 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 3000HP, Agricultural	efficient rewinds. Service shop or end-consumer rebate, coupon or other incentive. Motor shall be	20	24,784 EA
33 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 3500HP, Agricultural	rewound by Green Motors Practices Group program participant in good standing according to GMPG specifications for efficient rewinds. Service shop or end-consumer rebate,	20	28,854 EA
				Green Motors Program Rewind vs. Standard	coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing		
34 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Practice: Motor size 4000HP, Agricultural	efficient rewinds. Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group	20	32,976 EA
35 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 4500HP, Agricultural	program participant in good standing according to GMPG specifications for efficient rewinds.  Service shop or end-consumer rebate, coupon or other incentive. Motor shall be rewound by Green Motors Practices Group program participant in good standing	20	37,021 EA
36 AgIndGreenMotorRewind_v1_4	Agricultural	Equipment	Motors	Green Motors Program Rewind vs. Standard Practice: Motor size 5000HP, Agricultural	according to GMPG specifications for efficient rewinds.  Manufacturer, Dealer or Consumer rebate.	20	41,049 EA
37 AglrrigationMotors_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 AglrrigationMotors_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 AglrrigationMotors_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 AglrrigationMotors_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 AglrrigationMotors_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 AglrrigationMotors_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 AglrrigationMotors_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."	15	917 EA

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Line # Reference	Sector	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Manufacturer, Dealer or Consumer rebate.	(years)	Site (kwh/yr) UOM
44 AglrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (40 hp)	New Motor must be certified as NEMA "Premium."	15	5 1,378 EA
45 AglrrigationMotors_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." Manufacturer, Dealer or Consumer rebate.	15	5 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)	New Motor must be certified as NEMA "Premium."  Manufacturer, Dealer or Consumer rebate.	15	5 1,229 EA
47 AglrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (75 hp)	New Motor must be certified as NEMA "Premium."  Manufacturer, Dealer or Consumer rebate.	15	5 1,131 EA
48 AglrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (100 hp)	New Motor must be certified as NEMA "Premium."  Manufacturer, Dealer or Consumer rebate.	15	5 1,983 EA
49 AglrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (125 hp)	New Motor must be certified as NEMA "Premium."  Manufacturer, Dealer or Consumer rebate.	15	5 1,896 EA
50 AglrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (150 hp)	New Motor must be certified as NEMA "Premium."  Manufacturer, Dealer or Consumer rebate.	15	5 2,386 EA
51 AglrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (200 hp)	New Motor must be certified as NEMA "Premium."  Manufacturer, Dealer or Consumer rebate.	15	5 2,840 EA
52 AglrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (250 hp)	New Motor must be certified as NEMA "Premium."  Manufacturer, Dealer or Consumer rebate.	15	5 4,529 EA
53 AglrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (300 hp)	New Motor must be certified as NEMA "Premium."  Manufacturer, Dealer or Consumer rebate.	15	5 7,000 EA
54 AglrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (350 hp)	New Motor must be certified as NEMA "Premium."  Manufacturer, Dealer or Consumer rebate.	15	5 5,605 EA
55 AglrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (400 hp)	New Motor must be certified as NEMA "Premium."  Manufacturer, Dealer or Consumer rebate.	15	5 7,777 EA
56 AglrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (450 hp)	New Motor must be certified as NEMA "Premium."  Manufacturer, Dealer or Consumer rebate.	15	5 11,063 EA
57 AglrrigationMotors_v1_3	Agriculture		Replace Existing Motor with New NEMA Premium Irrigation Motor	Replace Existing Motor with New NEMA Premium Irrigation Motor (500 hp)	New Motor must be certified as NEMA "Premium."	15	5 14,289 EA
58 AgStockWateringTank v1 4x	Agricultura	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
Jo Agstockwateringrank_v1_4x	Agricultural	Other Agricultural Measures			Direct intall, rebate or other measure cost buydown. Electric resistance stock tank heater must be removed or permantly disabled. Tank and installation must meet		5 300 EA
59 AgStockWateringTank_v1_4x	Agricultural	Other Agricultural Measures	Freeze Resistant Stock Water Tanks/Fountains	Freeze Resistant Stock Water Tanks/Fountains - Heating Zone 2	RTF specifications for Freeze Resistant Stock Fountains.  Direct intall, rebate or other measure cost buydown. Electric resistance stock tank heater must be removed or permantly.	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	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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Line # Reference	Sector	<u>Category</u>	<u>Subcategory</u>	<u>Procost Full Measure Name</u> Variable Frequency Drives on Dairy Milking	Delivery Mechanism or Program	(years)	Site (kwh/yr) UOM
61 AgDairyVFD_v1_2	Agriculture	Process Energy	Dairy Equipment & Systems	Machines - 10 hp or less	Manufacturer, Dealer or Consumer Rebage Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	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	stays in service as this is an added storage device (VFD)	10	100,000 EA

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Line # Reference	Sector	<u>Category</u>	<u>Subcategory</u>	Procost Full Measure Name	<u>Delivery Mechanism or Program</u> Contractor or Consumer rebate. Motor	(years)	Site (kwh/yr) UOM
82 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 110 HP	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	10	110,000 EA
83 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 120 HP	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	10	120,000 EA
84 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 125 HP	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	10	125,000 EA
85 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 130 HP	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	10	130,000 EA
86 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 140 HP	stays in service as this is an added storage device (VFD)  Contractor or Consumer rebate. Motor	10	140,000 EA
87 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 150 HP	stays in service as this is an added storage device (VFD)  Contractor or Consumer rebate. Motor	10	150,000 EA
88 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 160 HP	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	10	160,000 EA
89 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 170 HP	stays in service as this is an added storage device (VFD)  Contractor or Consumer rebate. Motor	10	170,000 EA
90 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 180 HP	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	10	180,000 EA
91 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 190 HP	stays in service as this is an added storage device (VFD) Contractor or Consumer rebate. Motor	10	190,000 EA
92 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 200 HP	stays in service as this is an added storage device (VFD)	10	200,000 EA
93 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 210 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	210,000 EA
94 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 220 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	220,000 EA
95 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 230 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	230,000 EA
96 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 240 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	240,000 EA
97 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 250 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	250,000 EA
98 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 300 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	300,000 EA
99 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 350 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	350,000 EA
100 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 400 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	400,000 EA
101 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 450 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	450,000 EA
102 AgPotatoOnionShedVFD_v1_3	Agriculture	Motors and Drives	Variable Frequency Drive (VFD)	Variable Frequency Drive on Spud or Onion Shed Ventilation Fan - 500 HP	Contractor or Consumer rebate. Motor stays in service as this is an added storage device (VFD)	10	500,000 EA

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