



RESIDENTIAL ELECTRIC RESULTS AND DATA INPUTS

Building Stock

Segment	Description	Dwellings	Type
1	SF Existing	563,752	Total
2	MF Existing	214,612	Total
3	MH Existing	61,743	Total
4	SF New	10,632	Annual
5	MF New	5,105	Annual
6	MH New	2,658	Annual

Measure Costs

Seg	Measure #	<i>A.1.1 Measure Description</i>	Savings Units	Cost Units	Unit Equip Costs	Labor Cost	Service Life	Full Unit Cost	Implement-ation Type (1 = Time, 2=ROB)
1	120	Base Heat Pump, 3 ton	home	unit	\$0.00		18	\$0.00	1
1	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	home	unit	\$341.00	\$0.00	18	\$341.00	1
1	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	home	unit	\$420.00	\$0.00	18	\$420.00	1
1	123	ENERGY STAR Programmable Thermostat (Electronic w/ Adaptive Recovery)	home	unit	\$79.00	\$0.00	12	\$79.00	1
1	124	Ceiling R-0 to R-19 Insulation	home	sq.ft.	\$0.86	\$0.00	30	\$0.86	1
1	125	Ceiling R-19 to R-38 Insulation	home	sq.ft.	\$0.33	\$0.53	30	\$0.86	1
1	126	Floor R-0 to R-19 Insulation-Batts	home	sq.ft.	\$0.80	\$0.00	30	\$0.80	1
1	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	home	sq.ft.	\$0.96	\$0.00	30	\$0.96	1
1	128	Comprehensive Shell Air Sealing - Inf. Reduction	home	home	\$650.00	\$0.00	10	\$650.00	1
1	129	Duct Testing and Sealing	home	home	\$630.00	\$0.00	20	\$630.00	1
1	130	Duct Insulation (R-3 to R-6)	home	home	\$27.00	\$300.00	30	\$327.00	1
1	131	HVAC Diagnostic Testing, Repair and Maintenance	unit	unit	\$123.00	\$0.00	10	\$123.00	1

APPENDIX A

RESIDENTIAL ELECTRIC RESULTS AND DATA INPUTS

Seg	Measure #	A.1.1 Measure Description	Savings Units	Cost Units	Unit Equip Costs	Labor Cost	Service Life	Full Unit Cost	Implementation Type (1 = Time, 2=ROB)
1	132	Windows (high efficiency / ENERGY STAR+)	home	sq.ft.	\$20.81	\$0.00	30	\$20.81	1
1	133	Addition of Attic and Crawlspace Ventilation	home	home	\$41.00	\$100.00	30	\$141.00	1
1	160	Base Room Air Conditioner, 12 kBtu, 9 EER	unit	unit	\$0.00	\$0.00	15	\$0.00	1
1	161	ENERGY STAR or better Room AC, 12 kBtu, 11+ EER	unit	unit	\$406.00	\$0.00	18	\$406.00	1
1	180	Base Resistance Space Heating	home	unit	\$0.00	\$0.00	18	\$0.00	1
1	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	home	unit	\$841.00	\$0.00	18	\$841.00	1
1	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	home	unit	\$920.00	\$0.00	18	\$920.00	1
1	183	ENERGY STAR Programmable Thermostat (Electronic w/ Adaptive Recovery)	home	unit	\$79.00	\$0.00	12	\$79.00	1
1	184	Ceiling R-0 to R-19 Insulation	home	sq.ft.	\$0.86	\$0.00	30	\$0.86	1
1	185	Ceiling R-19 to R-38 Insulation	home	sq.ft.	\$0.33	\$0.53	30	\$0.86	1
1	186	Floor R-0 to R-19 Insulation-Batts	home	sq.ft.	\$0.80	\$0.00	30	\$0.80	1
1	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	home	sq.ft.	\$0.96	\$0.00	30	\$0.96	1
1	188	Comprehensive Shell Air Sealing - Inf. Reduction	home	home	\$650.00	\$0.00	10	\$650.00	1
1	189	Duct Testing and Sealing	home	home	\$630.00	\$0.00	20	\$630.00	1
1	190	Duct Insulation (R-3 to R-6)	home	home	\$27.00	\$300.00	30	\$327.00	1
1	191	HVAC Diagnostic Testing, Repair and Maintenance	unit	unit	\$123.00	\$0.00	10	\$123.00	1
1	192	Windows (high efficiency / ENERGY STAR+)	home	sq.ft.	\$20.81	\$0.00	30	\$20.81	1
1	193	Addition of Attic and Crawlspace Ventilation	home	home	\$41.00	\$100.00	30	\$141.00	1
1	200	Base Lighting, 0.5 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
1	201	CFL, 0.5 hr/day	lamp	lamp	\$4.50	\$0.00	7	\$4.50	2
1	202	CFL Fixtures, 0.5 hr/day	lamp	lamp	\$13.33	\$10.00	10	\$23.33	2
1	203	Fluorescent Torchieries, 0.5 hr/day	lamp	lamp	\$23.00	\$0.00	7	\$23.00	2
1	210	Base Lighting, 2.5 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
1	211	CFL, 2.5 hr/day	lamp	lamp	\$4.50	\$0.00	7	\$4.50	2

APPENDIX A

RESIDENTIAL ELECTRIC RESULTS AND DATA INPUTS

Seg	Measure #	A.1.1 Measure Description	Savings Units	Cost Units	Unit Equip Costs	Labor Cost	Service Life	Full Unit Cost	Implementation Type (1 = Time, 2=ROB)
1	212	CFL Fixtures, 2.5 hr/day	lamp	lamp	\$13.33	\$10.00	10	\$23.33	2
1	213	Fluorescent Torchieries, 2.5 hr/day	lamp	lamp	\$23.00	\$0.00	7	\$23.00	2
1	220	Base Lighting, 6.0 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
1	221	CFL, 6.0 hr/day	lamp	lamp	\$4.50	\$0.00	5	\$4.50	2
1	222	CFL Fixtures, 6.0 hr/day	lamp	lamp	\$13.33	\$10.00	8	\$23.33	2
1	223	Fluorescent Torchieries, 6.0 hr/day	lamp	lamp	\$23.00	\$0.00	5	\$23.00	2
1	300	Base Refrigerator, 20 cu.ft.	unit	unit	\$0.00		15	\$0.00	1
1	301	ENERGY STAR or better Refrigerator	unit	unit	\$79.00	\$0.00	15	\$79.00	2
1	310	Base Secondary Refrigerator	unit	unit	\$0.00		15	\$0.00	1
1	311	Removal of Secondary Refrigerator	unit	unit	\$0.00	\$200.00	7	\$200.00	1
1	400	Base Freezer	unit	unit	\$0.00		15	\$0.00	1
1	401	ENERGY STAR or better Freezer	unit	unit	\$50.00	\$0.00	15	\$50.00	1
1	410	Base Secondary Freezer	unit	unit	\$0.00		15	\$0.00	1
1	411	Removal of Secondary Freezer	unit	unit	\$0.00	\$200.00	7	\$200.00	1
1	500	Base 40 gal. Water Heating (EF=0.90)	unit	unit	\$0.00		15	\$0.00	1
1	501	Heat Pump Water Heater (EF=2.9)	unit	unit	\$1,750.00	\$0.00	15	\$1,750.00	1
1	502	High Efficiency Electric Water Heater (EF=0.95)	unit	unit	\$230.00	\$0.00	15	\$230.00	1
1	503	Solar Water Heater	unit	unit	\$1,800.00	\$1,000.00	15	\$2,800.00	1
1	504	Low-Flow Showerheads	unit	unit	\$20.00	\$0.00	10	\$20.00	1
1	505	Hot Water Pipe Insulation	unit	unit	\$1.00	\$4.80	15	\$5.80	1
1	506	Water Heater Thermosat Setback	unit	unit	\$70.00	\$0.00	15	\$70.00	1
1	507	Tankless Water Heater (EF=0.98)	unit	unit	\$579.00	\$324.00	15	\$903.00	1
1	508	Drain Water Heat Recovery (GFX)	unit	unit	\$319.00	\$81.00	15	\$400.00	1
1	600	Base Clotheswasher (EF=1.18)	unit	unit	\$0.00		14	\$0.00	1
1	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	unit	unit	\$280.00	\$0.00	14	\$280.00	1
1	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	unit	unit	\$350.00	\$0.00	14	\$350.00	1
1	800	Base Dishwasher (EF=0.46)	unit	unit	\$0.00		13	\$0.00	1
1	801	Energy Star DW (EF=0.58)	unit	unit	\$70.00	\$0.00	13	\$70.00	1
1	900	Base Conventional Oven	unit	unit	\$0.00		15	\$0.00	1
1	901	Convection Oven	unit	unit	\$120.00	\$0.00	15	\$120.00	1
1	950	Base Plug Loads	unit	unit	\$0.00		20	\$0.00	1
1	951	Powerstrip with Occupancy Sensor	unit	unit	\$90.00	\$0.00	20	\$90.00	1
2	120	Base Exhaust Air Heat Pump, 2 ton	home	unit	\$0.00		18	\$0.00	1

Seg	Measure #	A.1.1 Measure Description	Savings Units	Cost Units	Unit Equip Costs	Labor Cost	Service Life	Full Unit Cost	Implementation Type (1 = Time, 2=ROB)
2	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	home	unit	\$228.00	\$0.00	18	\$228.00	1
2	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	home	unit	\$280.00	\$0.00	18	\$280.00	1
2	123	ENERGY STAR Programmable Thermostat (Electronic w/ Adaptive Recovery)	home	unit	\$79.00	\$0.00	12	\$79.00	1
2	124	Ceiling R-0 to R-19 Insulation	home	sq.ft.	\$0.86	\$0.00	30	\$0.86	1
2	125	Ceiling R-19 to R-38 Insulation	home	sq.ft.	\$0.33	\$0.53	30	\$0.86	1
2	126	Floor R-0 to R-19 Insulation-Batts	home	sq.ft.	\$0.80	\$0.00	30	\$0.80	1
2	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	home	sq.ft.	\$0.96	\$0.00	30	\$0.96	1
2	128	Comprehensive Shell Air Sealing - Inf. Reduction	home	home	\$650.00	\$0.00	10	\$650.00	1
2	129	Duct Testing and Sealing	home	home	\$630.00	\$0.00	20	\$630.00	1
2	130	Duct Insulation (R-3 to R-6)	home	home	\$27.00	\$300.00	30	\$327.00	1
2	131	HVAC Diagnostic Testing, Repair and Maintenance	unit	unit	\$123.00	\$0.00	10	\$123.00	1
2	132	Windows (high efficiency / ENERGY STAR+)	home	home	\$20.81	\$0.00	30	\$20.81	1
2	133	Addition of Attic and Crawlspace Ventilation	home	home	\$41.00	\$100.00	30	\$141.00	1
2	160	Base Room Air Conditioner, 8 kBtu	unit	unit	\$0.00		15	\$0.00	1
2	161	ENERGY STAR or better Room AC, 8 kBtu	unit	unit	\$270.00	\$0.00	18	\$270.00	1
2	180	Base Resistance Space Heating	home	unit	\$0.00		18	\$0.00	1
2	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	home	unit	\$728.00		18	\$728.00	1
2	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	home	unit	\$780.00		18	\$780.00	1
2	183	ENERGY STAR Programmable Thermostat (Electronic w/ Adaptive Recovery)	home	unit	\$79.00	\$0.00	12	\$79.00	1
2	184	Ceiling R-0 to R-19 Insulation	home	sq.ft.	\$0.86	\$0.00	30	\$0.86	1
2	185	Ceiling R-19 to R-38 Insulation	home	sq.ft.	\$0.33	\$0.53	30	\$0.86	1
2	186	Floor R-0 to R-19 Insulation-Batts	home	sq.ft.	\$0.80	\$0.00	30	\$0.80	1
2	187	Wall 2x4 R-0 to Blow-In R-13	home	sq.ft.	\$0.96	\$0.00	30	\$0.96	1

Seg	Measure #	A.1.1 Measure Description	Savings Units	Cost Units	Unit Equip Costs	Labor Cost	Service Life	Full Unit Cost	Implementation Type (1 = Time, 2=ROB)
		Insulation (.86)							
2	188	Comprehensive Shell Air Sealing - Inf. Reduction	home	home	\$650.00	\$0.00	10	\$650.00	1
2	189	Duct Testing and Sealing	home	home	\$630.00	\$0.00	20	\$630.00	1
2	190	Duct Insulation (R-3 to R-6)	home	home	\$27.00	\$300.00	30	\$327.00	1
2	191	HVAC Diagnostic Testing, Repair and Maintenance	home	unit	\$123.00	\$0.00	10	\$123.00	1
2	192	Windows (high efficiency / ENERGY STAR+)	home	home	\$20.81	\$0.00	30	\$20.81	1
2	193	Addition of Attic and Crawlspace Ventilation	home	home	\$41.00	\$100.00	30	\$141.00	1
2	200	Base Lighting, 0.5 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
2	201	CFL, 0.5 hr/day	lamp	lamp	\$4.50	\$0.00	7	\$4.50	2
2	202	CFL Fixtures, 0.5 hr/day	lamp	lamp	\$13.33	\$10.00	10	\$23.33	2
2	203	Fluorescent Torchieries, 0.5 hr/day	lamp	lamp	\$23.00	\$0.00	7	\$23.00	2
2	210	Base Lighting, 2.5 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
2	211	CFL, 2.5 hr/day	lamp	lamp	\$4.50	\$0.00	7	\$4.50	2
2	212	CFL Fixtures, 2.5 hr/day	lamp	lamp	\$13.33	\$10.00	10	\$23.33	2
2	213	Fluorescent Torchieries, 2.5 hr/day	lamp	lamp	\$23.00	\$0.00	7	\$23.00	2
2	220	Base Lighting, 6.0 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
2	221	CFL, 6.0 hr/day	lamp	lamp	\$4.50	\$0.00	5	\$4.50	2
2	222	CFL Fixtures, 6.0 hr/day	lamp	lamp	\$13.33	\$10.00	8	\$23.33	2
2	223	Fluorescent Torchieries, 6.0 hr/day	lamp	lamp	\$23.00	\$0.00	5	\$23.00	2
2	300	Base Refrigerator, 15 cu.ft.	unit	unit	\$0.00		15	\$0.00	1
2	301	ENERGY STAR or better Refrigerator	unit	unit	\$59.00	\$0.00	15	\$59.00	1
2	310	Base Secondary Refrigerator	unit	unit	\$0.00		15	\$0.00	1
2	311	Removal of Secondary Refrigerator	unit	unit	\$0.00	\$200.00	7	\$200.00	1
2	400	Base Freezer	unit	unit	\$0.00		15	\$0.00	1
2	401	ENERGY STAR or better Freezer	unit	unit	\$50.00	\$0.00	15	\$50.00	1
2	410	Base Secondary Freezer	unit	unit	\$0.00		15	\$0.00	1
2	411	Removal of Secondary Freezer	unit	unit	\$0.00	\$200.00	7	\$200.00	1
2	500	Base 40 gal. Water Heating (EF=0.90)	unit	unit			15	\$0.00	1
2	501	Heat Pump Water Heater (EF=2.9)	unit	unit	\$1,750.00	\$0.00	15	\$1,750.00	1
2	502	High Efficiency Electric Water Heater (EF=0.95)	unit	unit	\$230.00	\$0.00	15	\$230.00	1
2	503	Solar Water Heater	unit	unit	\$1,800.00	\$1,000.00	15	\$2,800.00	1

Seg	Measure #	A.1.1 Measure Description	Savings Units	Cost Units	Unit Equip Costs	Labor Cost	Service Life	Full Unit Cost	Implementation Type (1 = Time, 2=ROB)
2	504	Low-Flow Showerheads	unit	unit	\$20.00	\$0.00	10	\$20.00	1
2	505	Hot Water Pipe Insulation	unit	unit	\$1.00	\$4.80	15	\$5.80	1
2	506	Water Heater Thermosat Setback	unit	unit	\$70.00	\$0.00	15	\$70.00	1
2	507	Tankless Water Heater (EF=0.98)	unit	unit	\$579.00	\$324.00	15	\$903.00	1
2	508	Drain Water Heat Recovery (GFX)	unit	unit	\$319.00	\$81.00	15	\$400.00	1
2	600	Base Clotheswasher (EF=1.18)	unit	unit	\$0.00		14	\$0.00	1
2	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	unit	unit	\$280.00	\$0.00	14	\$280.00	1
2	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	unit	unit	\$350.00	\$0.00	14	\$350.00	1
2	800	Base Dishwasher (EF=0.46)	unit	unit	\$0.00		13	\$0.00	1
2	801	Energy Star DW (EF=0.58)	unit	unit	\$70.00	\$0.00	13	\$70.00	1
2	900	Base Conventional Oven	unit	unit	\$0.00		15	\$0.00	1
2	901	Convection Oven	unit	unit	\$120.00	\$0.00	15	\$120.00	1
2	950	Base Plug Loads	unit	unit	\$0.00		20	\$0.00	1
2	951	Powerstrip with Occupancy Sensor	unit	unit	\$90.00	\$0.00	20	\$90.00	1
3	120	Base Heat Pump, 2 ton	home	unit	\$0.00		18	\$0.00	1
3	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	home	unit	\$228.00	\$0.00	18	\$228.00	1
3	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	home	unit	\$280.00	\$0.00	18	\$280.00	1
3	123	ENERGY STAR Programmable Thermostat (Electronic w/ Adaptive Recovery)	home	unit	\$79.00	\$0.00	12	\$79.00	1
3	124	Ceiling R-0 to R-19 Insulation	home	sq.ft.	\$0.94	\$0.00	25	\$0.94	1
3	125	Ceiling R-19 to R-38 Insulation	home	sq.ft.	\$0.41	\$0.53	25	\$0.94	1
3	126	Floor R-0 to R-19 Insulation-Batts	home	sq.ft.	\$0.80	\$0.00	25	\$0.80	1
3	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	home	sq.ft.	\$1.43	\$0.00	25	\$1.43	1
3	128	Comprehensive Shell Air Sealing - Inf. Reduction	home	home	\$100.00	\$0.00	10	\$100.00	1
3	129	Duct Testing and Sealing	home	home	\$630.00	\$0.00	20	\$630.00	1
3	130	Duct Insulation (R-3 to R-6)	home	home	\$13.00	\$200.00	25	\$213.00	1
3	131	HVAC Diagnostic Testing, Repair and Maintenance	home	home	\$123.00	\$0.00	10	\$123.00	1
3	132	Windows (high efficiency / ENERGY STAR+)	home	sq.ft.	\$16.01	\$0.00	25	\$16.01	1

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RESIDENTIAL ELECTRIC RESULTS AND DATA INPUTS

Seg	Measure #	A.1.1 Measure Description	Savings Units	Cost Units	Unit Equip Costs	Labor Cost	Service Life	Full Unit Cost	Implementation Type (1 = Time, 2=ROB)
3	133	Addition of Attic and Crawlspace Ventilation	home	home	\$41.00	\$100.00	25	\$141.00	1
3	160	Base Room Air Conditioner, 10 kBtu	unit	unit	\$0.00		15	\$0.00	1
3	161	ENERGY STAR or better Room AC, 10 kBtu	unit	unit	\$338.00	\$0.00	18	\$338.00	1
3	180	Base Resistance Space Heating	home	unit			18	\$0.00	1
3	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	home	unit	\$728.00	\$0.00	18	\$728.00	1
3	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	home	unit	\$780.00	\$0.00	18	\$780.00	1
3	183	ENERGY STAR Programmable Thermostat (Electronic w/ Adaptive Recovery)	home	unit	\$79.00	\$0.00	12	\$79.00	1
3	184	Ceiling R-0 to R-19 Insulation	home	sq.ft.	\$0.94	\$0.00	25	\$0.94	1
3	185	Ceiling R-19 to R-38 Insulation	home	sq.ft.	\$0.41	\$0.53	25	\$0.94	1
3	186	Floor R-0 to R-19 Insulation-Batts	home	sq.ft.	\$0.80	\$0.00	25	\$0.80	1
3	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	home	sq.ft.	\$1.43	\$0.00	25	\$1.43	1
3	188	Comprehensive Shell Air Sealing - Inf. Reduction	home	home	\$100.00	\$0.00	10	\$100.00	1
3	189	Duct Testing and Sealing	home	home	\$630.00	\$0.00	20	\$630.00	1
3	190	Duct Insulation (R-3 to R-6)	home	home	\$13.00	\$200.00	25	\$213.00	1
3	191	HVAC Diagnostic Testing, Repair and Maintenance	home	unit	\$123.00	\$0.00	10	\$123.00	1
3	192	Windows (high efficiency / ENERGY STAR+)	home	sq.ft.	\$16.01	\$0.00	25	\$16.01	1
3	193	Addition of Attic and Crawlspace Ventilation	home	home	\$41.00	\$100.00	25	\$141.00	1
3	200	Base Lighting, 0.5 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
3	201	CFL, 0.5 hr/day	lamp	lamp	\$4.50	\$0.00	7	\$4.50	2
3	202	CFL Fixtures, 0.5 hr/day	lamp	lamp	\$13.33	\$10.00	10	\$23.33	2
3	203	Fluorescent Torchieries, 0.5 hr/day	lamp	lamp	\$23.00	\$0.00	7	\$23.00	2
3	210	Base Lighting, 2.5 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
3	211	CFL, 2.5 hr/day	lamp	lamp	\$4.50	\$0.00	7	\$4.50	2
3	212	CFL Fixtures, 2.5 hr/day	lamp	lamp	\$13.33	\$10.00	10	\$23.33	2
3	213	Fluorescent Torchieries, 2.5 hr/day	lamp	lamp	\$23.00	\$0.00	7	\$23.00	2
3	220	Base Lighting, 6.0 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1

Seg	Measure #	A.1.1 Measure Description	Savings Units	Cost Units	Unit Equip Costs	Labor Cost	Service Life	Full Unit Cost	Implementation Type (1 = Time, 2=ROB)
3	221	CFL, 6.0 hr/day	lamp	lamp	\$4.50	\$0.00	5	\$4.50	2
3	222	CFL Fixtures, 6.0 hr/day	lamp	lamp	\$13.33	\$10.00	8	\$23.33	2
3	223	Fluorescent Torchieries, 6.0 hr/day	lamp	lamp	\$23.00	\$0.00	5	\$23.00	2
3	300	Base Refrigerator, 15 cu.ft.	unit	unit	\$0.00		15	\$0.00	1
3	301	ENERGY STAR or better Refrigerator	unit	unit	\$59.00	\$0.00	15	\$59.00	1
3	310	Base Secondary Refrigerator	unit	unit	\$0.00		15	\$0.00	1
3	311	Removal of Secondary Refrigerator	unit	unit	\$0.00	\$200.00	7	\$200.00	1
3	400	Base Freezer	unit	unit	\$0.00		15	\$0.00	1
3	401	ENERGY STAR or better Freezer	unit	unit	\$50.00	\$0.00	15	\$50.00	1
3	410	Base Secondary Freezer	unit	unit	\$0.00		15	\$0.00	1
3	411	Removal of Secondary Freezer	unit	unit	\$0.00	\$200.00	7	\$200.00	1
3	500	Base 40 gal. Water Heating (EF=0.90)	unit	unit			15	\$0.00	1
3	501	Heat Pump Water Heater (EF=2.9)	unit	unit	\$1,750.00	\$0.00	15	\$1,750.00	1
3	502	High Efficiency Electric Water Heater (EF=0.95)	unit	unit	\$230.00	\$0.00	15	\$230.00	1
3	503	Solar Water Heater	unit	unit	\$1,800.00	\$1,000.00	15	\$2,800.00	1
3	504	Low-Flow Showerheads	unit	unit	\$20.00	\$0.00	10	\$20.00	1
3	505	Hot Water Pipe Insulation	unit	unit	\$1.00	\$4.80	15	\$5.80	1
3	506	Water Heater Thermosat Setback	unit	unit	\$70.00	\$0.00	15	\$70.00	1
3	507	Tankless Water Heater (EF=0.98)	unit	unit	\$579.00	\$324.00	15	\$903.00	1
3	508	Drain Water Heat Recovery (GFX)	unit	unit	\$319.00	\$81.00	15	\$400.00	1
3	600	Base Clotheswasher (EF=1.18)	unit	unit	\$0.00		14	\$0.00	1
3	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	unit	unit	\$280.00	\$0.00	14	\$280.00	1
3	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	unit	unit	\$350.00	\$0.00	14	\$350.00	1
3	800	Base Dishwasher (EF=0.46)	unit	unit	\$0.00		13	\$0.00	1
3	801	Energy Star DW (EF=0.58)	unit	unit	\$70.00	\$0.00	13	\$70.00	1
3	900	Base Conventional Oven	unit	unit	\$0.00		15	\$0.00	1
3	901	Convection Oven	unit	unit	\$120.00	\$0.00	15	\$120.00	1
3	950	Base Plug Loads	unit	unit	\$0.00		20	\$0.00	1
3	951	Powerstrip with Occupancy Sensor	unit	unit	\$90.00	\$0.00	20	\$90.00	1
4	120	Base Heat Pump, 4 ton	home	unit	\$0.00		18	\$0.00	1
4	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	home	unit	\$384.00	\$0.00	18	\$384.00	1
4	122	ENERGY STAR or better Air Source	home	unit	\$820.00	\$0.00	18	\$820.00	1

Seg	Measure #	A.1.1 Measure Description	Savings Units	Cost Units	Unit Equip Costs	Labor Cost	Service Life	Full Unit Cost	Implementation Type (1 = Time, 2=ROB)
		Heat Pump (HSPF=8.0; SEER=13)							
4	137	Geothermal Heat Pump	home	unit	\$3,635.00	\$2,837.00	18	\$6,472.00	1
4	138	ENERGY STAR New Construction	home	home	\$3,000.00	\$0.00	30	\$3,000.00	1
4	139	ENERGY STAR New Construction Plus	home	home	\$5,000.00	\$0.00	30	\$5,000.00	1
4	160	Base Room Air Conditioner, 14 kBtu	unit	unit	\$0.00		15	\$0.00	1
4	161	ENERGY STAR or better Room AC, 14 kBtu	unit	unit	\$473.00	\$0.00	25	\$473.00	1
4	200	Base Lighting, 0.5 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
4	201	CFL, 0.5 hr/day	lamp	lamp	\$4.50	\$0.00	7	\$4.50	2
4	202	CFL Fixtures, 0.5 hr/day	lamp	lamp	\$8.67	\$0.00	10	\$8.67	2
4	203	Fluorescent Torchieries, 0.5 hr/day	lamp	lamp	\$23.00	\$0.00	7	\$23.00	2
4	210	Base Lighting, 2.5 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
4	211	CFL, 2.5 hr/day	lamp	lamp	\$4.50	\$0.00	7	\$4.50	2
4	212	CFL Fixtures, 2.5 hr/day	lamp	lamp	\$8.67	\$0.00	10	\$8.67	2
4	213	Fluorescent Torchieries, 2.5 hr/day	lamp	lamp	\$23.00	\$0.00	7	\$23.00	2
4	220	Base Lighting, 6.0 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
4	221	CFL, 6.0 hr/day	lamp	lamp	\$4.50	\$0.00	5	\$4.50	2
4	222	CFL Fixtures, 6.0 hr/day	lamp	lamp	\$8.67	\$0.00	8	\$8.67	2
4	223	Fluorescent Torchieries, 6.0 hr/day	lamp	lamp	\$23.00	\$0.00	5	\$23.00	2
4	300	Base Refrigerator, 20 cu.ft.	unit	unit	\$0.00		15	\$0.00	1
4	301	ENERGY STAR or better Refrigerator	unit	unit	\$79.00	\$0.00	15	\$79.00	1
4	400	Base Freezer	unit	unit	\$0.00		15	\$0.00	1
4	401	ENERGY STAR or better Freezer	unit	unit	\$50.00	\$0.00	15	\$50.00	1
4	500	Base 40 gal. Water Heating (EF=0.88)	unit	unit			15	\$0.00	1
4	501	Heat Pump Water Heater (EF=2.9)	unit	unit	\$1,750.00	\$0.00	15	\$1,750.00	1
4	502	High Efficiency Electric Water Heater (EF=0.95)	unit	unit	\$230.00	\$0.00	15	\$230.00	1
4	503	Solar Water Heater	unit	unit	\$1,800.00	\$1,000.00	15	\$2,800.00	1
4	507	Tankless Water Heater (EF=0.98)	unit	unit	\$579.00	\$324.00	15	\$903.00	1
4	508	Drain Water Heat Recovery (GFX)	unit	unit	\$319.00	\$81.00	15	\$400.00	1
4	600	Base Clotheswasher (EF=1.18)	unit	unit	\$0.00		14	\$0.00	1
4	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	unit	unit	\$280.00	\$0.00	14	\$280.00	1
4	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	unit	unit	\$350.00	\$0.00	14	\$350.00	1

Seg	Measure #	A.1.1 Measure Description	Savings Units	Cost Units	Unit Equip Costs	Labor Cost	Service Life	Full Unit Cost	Implementation Type (1 = Time, 2=ROB)
4	800	Base Dishwasher (EF=0.46)	unit	unit	\$0.00		13	\$0.00	1
4	801	Energy Star DW (EF=0.58)	unit	unit	\$70.00	\$0.00	13	\$70.00	1
4	900	Base Conventional Oven	unit	unit	\$0.00		15	\$0.00	1
4	901	Convection Oven	unit	unit	\$120.00	\$0.00	15	\$120.00	1
4	950	Base Plug Loads	unit	unit	\$0.00		20	\$0.00	1
4	951	Powerstrip with Occupancy Sensor	unit	unit	\$90.00	\$0.00	20	\$90.00	1
5	120	Base Exhaust Air Heat Pump, 2 ton	home	unit			18	\$0.00	1
5	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	home	unit	\$228.00	\$0.00	18	\$228.00	1
5	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	home	unit	\$280.00	\$0.00	18	\$280.00	1
5	137	Geothermal Heat Pump	home	unit	\$1,241.22		18	\$1,241.22	1
5	138	ENERGY STAR New Construction	home	home	\$2,000.00	\$0.00	30	\$2,000.00	1
5	139	ENERGY STAR New Construction Plus	home	home	\$3,500.00	\$0.00	30	\$3,500.00	1
5	160	Base Room Air Conditioner, 10 kBtu	unit	unit	\$0.00		15	\$0.00	1
5	161	ENERGY STAR or better Room AC, 10 kBtu	unit	unit	\$338.00	\$0.00	25	\$338.00	1
5	200	Base Lighting, 0.5 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
5	201	CFL, 0.5 hr/day	lamp	lamp	\$4.50	\$0.00	7	\$4.50	2
5	202	CFL Fixtures, 0.5 hr/day	lamp	lamp	\$8.67	\$0.00	10	\$8.67	2
5	203	Fluorescent Torcheries, 0.5 hr/day	lamp	lamp	\$23.00	\$0.00	7	\$23.00	2
5	210	Base Lighting, 2.5 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
5	211	CFL, 2.5 hr/day	lamp	lamp	\$4.50	\$0.00	7	\$4.50	2
5	212	CFL Fixtures, 2.5 hr/day	lamp	lamp	\$8.67	\$0.00	10	\$8.67	2
5	213	Fluorescent Torcheries, 2.5 hr/day	lamp	lamp	\$23.00	\$0.00	7	\$23.00	2
5	220	Base Lighting, 6.0 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
5	221	CFL, 6.0 hr/day	lamp	lamp	\$4.50	\$0.00	5	\$4.50	2
5	222	CFL Fixtures, 6.0 hr/day	lamp	lamp	\$8.67	\$0.00	8	\$8.67	2
5	223	Fluorescent Torcheries, 6.0 hr/day	lamp	lamp	\$23.00	\$0.00	5	\$23.00	2
5	300	Base Refrigerator, 15 cu.ft.	unit	unit	\$0.00		15	\$0.00	1
5	301	ENERGY STAR or better Refrigerator	unit	unit	\$59.00	\$0.00	15	\$59.00	1
5	400	Base Freezer	unit	unit	\$0.00		15	\$0.00	1
5	401	ENERGY STAR or better Freezer	unit	unit	\$50.00	\$0.00	15	\$50.00	1
5	500	Base 40 gal. Water Heating (EF=0.90)	unit	unit			15	\$0.00	1
5	501	Heat Pump Water Heater (EF=2.9)	unit	unit	\$1,750.00	\$0.00	15	\$1,750.00	1

Seg	Measure #	A.1.1 Measure Description	Savings Units	Cost Units	Unit Equip Costs	Labor Cost	Service Life	Full Unit Cost	Implementation Type (1 = Time, 2=ROB)
5	502	High Efficiency Electric Water Heater (EF=0.95)	unit	unit	\$230.00	\$0.00	15	\$230.00	1
5	503	Solar Water Heater	unit	unit	\$1,800.00	\$1,000.00	15	\$2,800.00	1
5	507	Tankless Water Heater (EF=0.98)	unit	unit	\$579.00	\$324.00	15	\$903.00	1
5	508	Drain Water Heat Recovery (GFX)	unit	unit	\$319.00	\$81.00	15	\$400.00	1
5	600	Base Clotheswasher (EF=1.18)	unit	unit	\$0.00		14	\$0.00	1
5	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	unit	unit	\$280.00	\$0.00	14	\$280.00	1
5	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	unit	unit	\$350.00	\$0.00	14	\$350.00	1
5	800	Base Dishwasher (EF=0.46)	unit	unit	\$0.00		13	\$0.00	1
5	801	Energy Star DW (EF=0.58)	unit	unit	\$70.00	\$0.00	13	\$70.00	1
5	900	Base Conventional Oven	unit	unit	\$0.00		15	\$0.00	1
5	901	Convection Oven	unit	unit	\$120.00	\$0.00	15	\$120.00	1
5	950	Base Plug Loads	unit	unit	\$0.00		20	\$0.00	1
5	951	Powerstrip with Occupancy Sensor	unit	unit	\$90.00	\$0.00	20	\$90.00	1
6	120	Base Heat Pump, 3 ton	home	unit	\$0.00		18	\$0.00	1
6	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	home	unit	\$341.00	\$0.00	18	\$341.00	1
6	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	home	unit	\$420.00	\$0.00	18	\$420.00	1
6	138	Super Good Cents / ENERGY STAR New Man. Housing	home	home	\$1,500.00	\$0.00	25	\$1,500.00	1
6	139	Super Good Cents / ENERGY STAR New Man. Housing Plus	home	home	\$3,000.00	\$0.00	25	\$3,000.00	1
6	160	Base Room Air Conditioner, 10 kBtu	unit	unit	\$0.00		15	\$0.00	1
6	161	ENERGY STAR or better Room AC, 10 kBtu	unit	unit	\$338.00	\$0.00	25	\$338.00	1
6	200	Base Lighting, 0.5 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
6	201	CFL, 0.5 hr/day	lamp	lamp	\$4.50	\$0.00	7	\$4.50	2
6	202	CFL Fixtures, 0.5 hr/day	lamp	lamp	\$8.67	\$0.00	10	\$8.67	2
6	203	Fluorescent Torchieries, 0.5 hr/day	lamp	lamp	\$23.00	\$0.00	7	\$23.00	2
6	210	Base Lighting, 2.5 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
6	211	CFL, 2.5 hr/day	lamp	lamp	\$4.50	\$0.00	7	\$4.50	2
6	212	CFL Fixtures, 2.5 hr/day	lamp	lamp	\$8.67	\$0.00	10	\$8.67	2
6	213	Fluorescent Torchieries, 2.5 hr/day	lamp	lamp	\$23.00	\$0.00	7	\$23.00	2

Seg	Measure #	A.1.1 Measure Description	Savings Units	Cost Units	Unit Equip Costs	Labor Cost	Service Life	Full Unit Cost	Implementation Type (1 = Time, 2=ROB)
6	220	Base Lighting, 6.0 hr/hday	lamp	lamp	\$0.00		1	\$0.00	1
6	221	CFL, 6.0 hr/day	lamp	lamp	\$4.50	\$0.00	5	\$4.50	2
6	222	CFL Fixtures, 6.0 hr/day	lamp	lamp	\$8.67	\$0.00	8	\$8.67	2
6	223	Fluorescent Torchieries, 6.0 hr/day	lamp	lamp	\$23.00	\$0.00	5	\$23.00	2
6	300	Base Refrigerator, 15 cu.ft.	unit	unit	\$0.00		15	\$0.00	1
6	301	ENERGY STAR or better Refrigerator	unit	unit	\$59.00	\$0.00	15	\$59.00	1
6	400	Base Freezer	unit	unit	\$0.00		15	\$0.00	1
6	401	ENERGY STAR or better Freezer	unit	unit	\$50.00	\$0.00	15	\$50.00	1
6	500	Base 40 gal. Water Heating (EF=0.90)	unit	unit	\$0.00		15	\$0.00	1
6	501	Heat Pump Water Heater (EF=2.9)	unit	unit	\$1,750	\$0	15	\$1,750.00	1
6	502	High Efficiency Electric Water Heater (EF=0.95)	unit	unit	\$230.00	\$0.00	15	\$230.00	1
6	503	Solar Water Heater	unit	unit	\$1,800.00	\$1,000.00	15	\$2,800.00	1
6	507	Tankless Water Heater (EF=0.98)	unit	unit	\$579.00	\$324.00	15	\$903.00	1
6	508	Drain Water Heat Recovery (GFX)	unit	unit	\$319.00	\$81.00	15	\$400.00	1
6	600	Base Clotheswasher (EF=1.18)	unit	unit	\$0.00		14	\$0.00	1
6	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	unit	unit	\$280.00	\$0.00	14	\$280.00	1
6	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	unit	unit	\$350.00	\$0.00	14	\$350.00	1
6	800	Base Dishwasher (EF=0.46)	unit	unit	\$0.00		13	\$0.00	1
6	801	Energy Star DW (EF=0.58)	unit	unit	\$70.00	\$0.00	13	\$70.00	1
6	900	Base Conventional Oven	unit	unit	\$0.00		15	\$0.00	1
6	901	Convection Oven	unit	unit	\$120.00	\$0.00	15	\$120.00	1
6	950	Base Plug Loads	unit	unit	\$0.00		20	\$0.00	1
6	951	Powerstrip with Occupancy Sensor	unit	unit	\$90.00	\$0.00	20	\$90.00	1

Applicability Factor (Percent)

Seg	Measure #	Measure Description	Applicability Factor
1	120	Base Heat Pump, 3 ton	11.02%
1	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	11.02%
1	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	11.02%

Seg	Measure #	Measure Description	Applicability Factor
1	123	ENERGY STAR Programmable Thermostat	11.02%
1	124	Ceiling R-0 to R-19 Insulation	11.02%
1	125	Ceiling R-19 to R-38 Insulation	11.02%
1	126	Floor R-0 to R-19 Insulation-Batts	11.02%
1	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	11.02%
1	128	Comprehensive Shell Air Sealing - Inf. Reduction	11.02%
1	129	Duct Testing and Sealing	11.02%
1	130	Duct Insulation (R-3 to R-6)	11.02%
1	131	HVAC Diagnostic Testing, Repair and Maintenance	11.02%
1	132	Windows (high efficiency / ENERGY STAR+)	11.02%
1	133	Addition of Attic and Crawlspace Ventilation	11.02%
1	160	Room Air Conditioner, 12 kBtu, 9 EER	3.88%
1	161	ENERGY STAR or better Room AC, 12 kBtu, 11+ EER	3.88%
1	180	Resistance Space Heating	29.50%
1	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	29.50%
1	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	29.50%
1	183	ENERGY STAR Programmable Thermostat	29.50%
1	184	Ceiling R-0 to R-19 Insulation	29.50%
1	185	Ceiling R-19 to R-38 Insulation	29.50%
1	186	Floor R-0 to R-19 Insulation-Batts	29.50%
1	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	29.50%
1	188	Comprehensive Shell Air Sealing - Inf. Reduction	29.50%
1	189	Duct Testing and Sealing	29.50%
1	190	Duct Insulation (R-3 to R-6)	29.50%
1	191	HVAC Diagnostic Testing, Repair and Maintenance	29.50%

Seg	Measure #	Measure Description	Applicability Factor
1	192	Windows (high efficiency / ENERGY STAR+)	29.50%
1	193	Addition of Attic and Crawlspace Ventilation	29.50%
1	200	Base Lighting, 0.5 hr/day	100.00%
1	201	CFL, 0.5 hr/day	100.00%
1	202	CFL Fixtures, 0.5 hr/day	100.00%
1	203	Fluorescent Torchieries, 0.5 hr/day	100.00%
1	210	Base Lighting, 2.5 hr/day	100.00%
1	211	CFL, 2.5 hr/day	100.00%
1	212	CFL Fixtures, 2.5 hr/day	100.00%
1	213	Fluorescent Torchieries, 2.5 hr/day	100.00%
1	220	Base Lighting, 6.0 hr/day	100.00%
1	221	CFL, 6.0 hr/day	100.00%
1	222	CFL Fixtures, 6.0 hr/day	100.00%
1	223	Fluorescent Torchieries, 6.0 hr/day	100.00%
1	300	Base Refrigerator, 20 cu.ft.	109.65%
1	301	ENERGY STAR or better Refrigerator	109.65%
1	310	Base Secondary Refrigerator	109.65%
1	311	Removal of Secondary Refrigerator	109.65%
1	400	Base Freezer	48.37%
1	401	ENERGY STAR or better Freezer	48.37%
1	410	Base Secondary Freezer	109.65%
1	411	Removal of Secondary Freezer	48.37%
1	500	Base 40 gal. Water Heating (EF=0.90)	54.09%
1	501	Heat Pump Water Heater (EF=2.9)	54.09%
1	502	High Efficiency Electric Water Heater (EF=0.95)	54.09%
1	503	Solar Water Heater	54.09%
1	504	Low-Flow Showerheads	54.09%
1	505	Hot Water Pipe Insulation	54.09%
1	506	Water Heater Thermostat Setback	54.09%
1	507	Tankless Water Heater (EF=0.98)	54.09%
1	508	Drain Water Heat Recovery (GFX)	54.09%
1	600	Base Clotheswasher (EF=1.18)	54.09%
1	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	54.09%

Seg	Measure #	Measure Description	Applicability Factor
1	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	54.09%
1	800	Base Dishwasher (EF=0.46)	54.09%
1	801	Energy Star DW (EF=0.58)	54.09%
1	900	Conventional Oven	86.38%
1	901	Convection Oven	86.38%
1	950	Plug Loads	100.00%
1	951	Powerstrip with Occupancy Sensor	100.00%
2	120	Base Exhaust Air Heat Pump, 2 ton	1.04%
2	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	1.04%
2	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	1.04%
2	123	ENERGY STAR Programmable Thermostat	1.04%
2	124	Ceiling R-0 to R-19 Insulation	1.04%
2	125	Ceiling R-19 to R-38 Insulation	1.04%
2	126	Floor R-0 to R-19 Insulation-Batts	1.04%
2	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	1.04%
2	128	Comprehensive Shell Air Sealing - Inf. Reduction	1.04%
2	129	Duct Testing and Sealing	1.04%
2	130	Duct Insulation (R-3 to R-6)	1.04%
2	131	HVAC Diagnostic Testing, Repair and Maintenance	1.04%
2	132	Windows (high efficiency / ENERGY STAR+)	1.04%
2	133	Addition of Attic and Crawlspace Ventilation	1.04%
2	160	Room Air Conditioner, 8 kBtu	4.16%
2	161	ENERGY STAR or better Room AC, 8 kBtu	4.16%
2	180	Resistance Space Heating	89.59%
2	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	89.59%
2	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	89.59%

Seg	Measure #	Measure Description	Applicability Factor
2	183	ENERGY STAR Programmable Thermostat	89.59%
2	184	Ceiling R-0 to R-19 Insulation	89.59%
2	185	Ceiling R-19 to R-38 Insulation	89.59%
2	186	Floor R-0 to R-19 Insulation-Batts	89.59%
2	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	89.59%
2	188	Comprehensive Shell Air Sealing - Inf. Reduction	89.59%
2	189	Duct Testing and Sealing	89.59%
2	190	Duct Insulation (R-3 to R-6)	89.59%
2	191	HVAC Diagnostic Testing, Repair and Maintenance	89.59%
2	192	Windows (high efficiency / ENERGY STAR+)	89.59%
2	193	Addition of Attic and Crawlspace Ventilation	89.59%
2	200	Base Lighting, 0.5 hr/day	100.00%
2	201	CFL, 0.5 hr/day	100.00%
2	202	CFL Fixtures, 0.5 hr/day	100.00%
2	203	Fluorescent Torchieries, 0.5 hr/day	100.00%
2	210	Base Lighting, 2.5 hr/day	100.00%
2	211	CFL, 2.5 hr/day	100.00%
2	212	CFL Fixtures, 2.5 hr/day	100.00%
2	213	Fluorescent Torchieries, 2.5 hr/day	100.00%
2	220	Base Lighting, 6.0 hr/day	100.00%
2	221	CFL, 6.0 hr/day	100.00%
2	222	CFL Fixtures, 6.0 hr/day	100.00%
2	223	Fluorescent Torchieries, 6.0 hr/day	100.00%
2	300	Base Refrigerator, 15 cu.ft.	91.13%
2	301	ENERGY STAR or better Refrigerator	91.13%
2	310	Base Secondary Refrigerator	109.65%
2	311	Removal of Secondary Refrigerator	91.13%
2	400	Base Freezer	11.30%
2	401	ENERGY STAR or better Freezer	11.30%
2	410	Base Secondary Freezer	109.65%
2	411	Removal of Secondary Freezer	11.30%
2	500	Base 40 gal. Water Heating (EF=0.90)	89.96%

Seg	Measure #	Measure Description	Applicability Factor
2	501	Heat Pump Water Heater (EF=2.9)	89.96%
2	502	High Efficiency Electric Water Heater (EF=0.95)	89.96%
2	503	Solar Water Heater	89.96%
2	504	Low-Flow Showerheads	89.96%
2	505	Hot Water Pipe Insulation	89.96%
2	506	Water Heater Thermostat Setback	89.96%
2	507	Tankless Water Heater (EF=0.98)	89.96%
2	508	Drain Water Heat Recovery (GFX)	89.96%
2	600	Base Clotheswasher (EF=1.18)	89.96%
2	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	89.96%
2	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	89.96%
2	800	Base Dishwasher (EF=0.46)	89.96%
2	801	Energy Star DW (EF=0.58)	89.96%
2	900	Conventional Oven	97.15%
2	901	Convection Oven	97.15%
2	950	Plug Loads	100.00%
2	951	Powerstrip with Occupancy Sensor	100.00%
3	120	Base Heat Pump, 2 ton	10.49%
3	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	10.49%
3	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	10.49%
3	123	ENERGY STAR Programmable Thermostat	10.49%
3	124	Ceiling R-0 to R-19 Insulation	10.49%
3	125	Ceiling R-19 to R-38 Insulation	10.49%
3	126	Floor R-0 to R-19 Insulation-Batts	10.49%
3	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	10.49%
3	128	Comprehensive Shell Air Sealing - Inf. Reduction	10.49%
3	129	Duct Testing and Sealing	10.49%
3	130	Duct Insulation (R-3 to R-6)	10.49%
3	131	HVAC Diagnostic Testing, Repair and Maintenance	10.49%

Seg	Measure #	Measure Description	Applicability Factor
3	132	Windows (high efficiency / ENERGY STAR+)	10.49%
3	133	Addition of Attic and Crawlspace Ventilation	10.49%
3	160	Room Air Conditioner, 10 kBtu	8.97%
3	161	ENERGY STAR or better Room AC, 10 kBtu	8.97%
3	180	Resistance Space Heating	72.67%
3	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	72.67%
3	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	72.67%
3	183	ENERGY STAR Programmable Thermostat	72.67%
3	184	Ceiling R-0 to R-19 Insulation	72.67%
3	185	Ceiling R-19 to R-38 Insulation	72.67%
3	186	Floor R-0 to R-19 Insulation-Batts	72.67%
3	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	72.67%
3	188	Comprehensive Shell Air Sealing - Inf. Reduction	72.67%
3	189	Duct Testing and Sealing	72.67%
3	190	Duct Insulation (R-3 to R-6)	72.67%
3	191	HVAC Diagnostic Testing, Repair and Maintenance	72.67%
3	192	Windows (high efficiency / ENERGY STAR+)	72.67%
3	193	Addition of Attic and Crawlspace Ventilation	72.67%
3	200	Base Lighting, 0.5 hr/hday	100.00%
3	201	CFL, 0.5 hr/day	100.00%
3	202	CFL Fixtures, 0.5 hr/day	100.00%
3	203	Fluorescent Torchieries, 0.5 hr/day	100.00%
3	210	Base Lighting, 2.5 hr/hday	100.00%
3	211	CFL, 2.5 hr/day	100.00%
3	212	CFL Fixtures, 2.5 hr/day	100.00%
3	213	Fluorescent Torchieries, 2.5 hr/day	100.00%
3	220	Base Lighting, 6.0 hr/hday	100.00%

Seg	Measure #	Measure Description	Applicability Factor
3	221	CFL, 6.0 hr/day	100.00%
3	222	CFL Fixtures, 6.0 hr/day	100.00%
3	223	Fluorescent Torchiere's, 6.0 hr/day	100.00%
3	300	Base Refrigerator, 15 cu.ft.	97.95%
3	301	ENERGY STAR or better Refrigerator	97.95%
3	310	Base Secondary Refrigerator	109.65%
3	311	Removal of Secondary Refrigerator	97.95%
3	400	Base Freezer	46.82%
3	401	ENERGY STAR or better Freezer	46.82%
3	410	Base Secondary Freezer	109.65%
3	411	Removal of Secondary Freezer	46.82%
3	500	Base 40 gal. Water Heating (EF=0.90)	90.49%
3	501	Heat Pump Water Heater (EF=2.9)	90.49%
3	502	High Efficiency Electric Water Heater (EF=0.95)	90.49%
3	503	Solar Water Heater	90.49%
3	504	Low-Flow Showerheads	90.49%
3	505	Hot Water Pipe Insulation	90.49%
3	506	Water Heater Thermostat Setback	90.49%
3	507	Tankless Water Heater (EF=0.98)	90.49%
3	508	Drain Water Heat Recovery (GFX)	90.49%
3	600	Base Clotheswasher (EF=1.18)	90.49%
3	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	90.49%
3	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	90.49%
3	800	Base Dishwasher (EF=0.46)	90.49%
3	801	Energy Star DW (EF=0.58)	90.49%
3	900	Conventional Oven	89.43%
3	901	Convection Oven	89.43%
3	950	Plug Loads	100.00%
3	951	Powerstrip with Occupancy Sensor	100.00%
4	120	Base Heat Pump, 4 ton	11.02%
4	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	11.02%
4	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	11.02%
4	137	Geothermal Heat Pump	11.02%

Seg	Measure #	Measure Description	Applicability Factor
4	138	ENERGY STAR New Construction	11.02%
4	139	ENERGY STAR New Construction Plus	11.02%
4	160	Room Air Conditioner, 14 kBtu	3.88%
4	161	ENERGY STAR or better Room AC, 14 kBtu	3.88%
4	200	Base Lighting, 0.5 hr/hday	100.00%
4	201	CFL, 0.5 hr/day	100.00%
4	202	CFL Fixtures, 0.5 hr/day	100.00%
4	203	Fluorescent Torchieries, 0.5 hr/day	100.00%
4	210	Base Lighting, 2.5 hr/hday	100.00%
4	211	CFL, 2.5 hr/day	100.00%
4	212	CFL Fixtures, 2.5 hr/day	100.00%
4	213	Fluorescent Torchieries, 2.5 hr/day	100.00%
4	220	Base Lighting, 6.0 hr/hday	100.00%
4	221	CFL, 6.0 hr/day	100.00%
4	222	CFL Fixtures, 6.0 hr/day	100.00%
4	223	Fluorescent Torchieries, 6.0 hr/day	100.00%
4	300	Base Refrigerator, 20 cu.ft.	109.65%
4	301	ENERGY STAR or better Refrigerator	109.65%
4	400	Base Freezer	48.37%
4	401	ENERGY STAR or better Freezer	48.37%
4	500	Base 40 gal. Water Heating (EF=0.87)	31.22%
4	501	Heat Pump Water Heater (EF=2.9)	31.22%
4	502	High Efficiency Electric Water Heater (EF=0.95)	31.22%
4	503	Solar Water Heater	31.22%
4	507	Tankless Water Heater (EF=0.98)	31.22%
4	508	Drain Water Heat Recovery (GFX)	31.22%
4	600	Base Clotheswasher (EF=1.18)	31.22%
4	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	31.22%
4	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	31.22%
4	800	Base Dishwasher (EF=0.46)	31.22%
4	801	Energy Star DW (EF=0.58)	31.22%
4	900	Conventional Oven	62.71%
4	901	Convection Oven	62.71%

Seg	Measure #	Measure Description	Applicability Factor
4	950	Plug Loads	100.00%
4	951	Powerstrip with Occupancy Sensor	100.00%
5	120	Base Exhaust Air Heat Pump, 2 ton	1.04%
5	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	1.04%
5	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	1.04%
5	137	Geothermal Heat Pump	1.04%
5	138	ENERGY STAR New Construction	1.04%
5	139	ENERGY STAR New Construction Plus	1.04%
5	160	Room Air Conditioner, 10 kBtu	4.16%
5	161	ENERGY STAR or better Room AC, 10 kBtu	4.16%
5	200	Base Lighting, 0.5 hr/hday	100.00%
5	201	CFL, 0.5 hr/day	100.00%
5	202	CFL Fixtures, 0.5 hr/day	100.00%
5	203	Fluorescent Torchieries, 0.5 hr/day	100.00%
5	210	Base Lighting, 2.5 hr/hday	100.00%
5	211	CFL, 2.5 hr/day	100.00%
5	212	CFL Fixtures, 2.5 hr/day	100.00%
5	213	Fluorescent Torchieries, 2.5 hr/day	100.00%
5	220	Base Lighting, 6.0 hr/hday	100.00%
5	221	CFL, 6.0 hr/day	100.00%
5	222	CFL Fixtures, 6.0 hr/day	100.00%
5	223	Fluorescent Torchieries, 6.0 hr/day	100.00%
5	300	Base Refrigerator, 15 cu.ft.	91.13%
5	301	ENERGY STAR or better Refrigerator	91.13%
5	400	Base Freezer	11.30%
5	401	ENERGY STAR or better Freezer	11.30%
5	500	Base 40 gal. Water Heating (EF=0.90)	89.96%
5	501	Heat Pump Water Heater (EF=2.9)	89.96%
5	502	High Efficiency Electric Water Heater (EF=0.95)	89.96%
5	503	Solar Water Heater	89.96%
5	507	Tankless Water Heater (EF=0.98)	89.96%
5	508	Drain Water Heat Recovery (GFX)	89.96%
5	600	Base Clotheswasher (EF=1.18)	89.96%

Seg	Measure #	Measure Description	Applicability Factor
5	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	89.96%
5	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	89.96%
5	800	Base Dishwasher (EF=0.46)	89.96%
5	801	Energy Star DW (EF=0.58)	89.96%
5	900	Conventional Oven	97.15%
5	901	Convection Oven	97.15%
5	950	Plug Loads	100.00%
5	951	Powerstrip with Occupancy Sensor	100.00%
6	120	Base Heat Pump, 3 ton	10.49%
6	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	10.49%
6	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	10.49%
6	138	Super Good Cents / ENERGY STAR New Man. Housing	10.49%
6	139	Super Good Cents / ENERGY STAR New Man. Housing Plus	10.49%
6	160	Room Air Conditioner, 10 kBtu	8.97%
6	161	ENERGY STAR or better Room AC, 10 kBtu	8.97%
6	200	Base Lighting, 0.5 hr/hday	100.00%
6	201	CFL, 0.5 hr/day	100.00%
6	202	CFL Fixtures, 0.5 hr/day	100.00%
6	203	Fluorescent Torchieries, 0.5 hr/day	100.00%
6	210	Base Lighting, 2.5 hr/hday	100.00%
6	211	CFL, 2.5 hr/day	100.00%
6	212	CFL Fixtures, 2.5 hr/day	100.00%
6	213	Fluorescent Torchieries, 2.5 hr/day	100.00%
6	220	Base Lighting, 6.0 hr/hday	100.00%
6	221	CFL, 6.0 hr/day	100.00%
6	222	CFL Fixtures, 6.0 hr/day	100.00%
6	223	Fluorescent Torchieries, 6.0 hr/day	100.00%
6	300	Base Refrigerator, 15 cu.ft.	97.95%
6	301	ENERGY STAR or better Refrigerator	97.95%
6	400	Base Freezer	46.82%
6	401	ENERGY STAR or better Freezer	46.82%

Seg	Measure #	Measure Description	Applicability Factor
6	500	Base 40 gal. Water Heating (EF=0.90)	90.49%
6	501	Heat Pump Water Heater (EF=2.9)	90.49%
6	502	High Efficiency Electric Water Heater (EF=0.95)	90.49%
6	503	Solar Water Heater	90.49%
6	507	Tankless Water Heater (EF=0.98)	90.49%
6	508	Drain Water Heat Recovery (GFX)	90.49%
6	600	Base Clotheswasher (EF=1.18)	90.49%
6	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	90.49%
6	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	90.49%
6	800	Base Dishwasher (EF=0.46)	90.49%
6	801	Energy Star DW (EF=0.58)	90.49%
6	900	Conventional Oven	89.43%
6	901	Convection Oven	89.43%
6	950	Plug Loads	100.00%
6	951	Powerstrip with Occupancy Sensor	100.00%

Base Tech EUI

Seg	Measure #	Measure Description	kWh/Year
1	100	Base, 10 SEER Split-System Air Conditioner	985
1	120	Base Heat Pump, 3 ton	4,990
1	160	Base Room Air Conditioner, 12 kBtu, 9 EER	739
1	180	Base Resistance Space Heating	8008
1	200	Base Lighting, 0.5 hr/hday	158
1	210	Base Lighting, 2.5 hr/hday	1407
1	220	Base Lighting, 6.0 hr/hday	763
1	300	Base Refrigerator, 20 cu.ft.	848
1	310	Base Secondary Refrigerator	1000
1	400	Base Freezer	823
1	410	Base Secondary Freezer	950
1	500	Base 40 gal. Water Heating (EF=0.90)	3798
1	600	Base Clotheswasher (EF=1.18)	3798

Seg	Measure #	Measure Description	kWh/Year
1	800	Base Dishwasher (EF=0.46)	3798
1	900	Base Conventional Oven	574
1	950	Base Plug Loads	3389
2	100	Base, 10 SEER Split-System Air Conditioner	546
2	120	Base Exhaust Air Heat Pump, 2 ton	1,985
2	160	Base Room Air Conditioner, 8 kBtu	409
2	180	Base Resistance Space Heating	2773
2	200	Base Lighting, 0.5 hr/hday	74
2	210	Base Lighting, 2.5 hr/hday	657
2	220	Base Lighting, 6.0 hr/hday	357
2	300	Base Refrigerator, 15 cu.ft.	654
2	310	Base Secondary Refrigerator	1000
2	400	Base Freezer	599
2	410	Base Secondary Freezer	950
2	500	Base 40 gal. Water Heating (EF=0.90)	3230
2	600	Base Clotheswasher (EF=1.18)	3230
2	800	Base Dishwasher (EF=0.46)	3230
2	900	Base Conventional Oven	465
2	950	Base Plug Loads	1534
3	100	Base, 10 SEER Split-System Air Conditioner	774
3	120	Base Heat Pump, 2 ton	5,320
3	160	Base Room Air Conditioner, 10 kBtu	580
3	180	Base Resistance Space Heating	9184
3	200	Base Lighting, 0.5 hr/hday	115
3	210	Base Lighting, 2.5 hr/hday	1021
3	220	Base Lighting, 6.0 hr/hday	554
3	300	Base Refrigerator, 15 cu.ft.	854
3	310	Base Secondary Refrigerator	1000
3	400	Base Freezer	808
3	410	Base Secondary Freezer	950
3	500	Base 40 gal. Water Heating (EF=0.90)	2281
3	600	Base Clotheswasher (EF=1.18)	2281
3	800	Base Dishwasher (EF=0.46)	2281
3	900	Base Conventional Oven	514
3	950	Base Plug Loads	1266
4	100	Base, 10 SEER Split-System Air Conditioner	972
4	120	Base Heat Pump, 4 ton	3,968

Seg	Measure #	Measure Description	kWh/Year
4	160	Base Room Air Conditioner, 14 kBtu	739
4	180	Base Resistance Space Heating	2074
4	200	Base Lighting, 0.5 hr/hday	158
4	210	Base Lighting, 2.5 hr/hday	1407
4	220	Base Lighting, 6.0 hr/hday	763
4	300	Base Refrigerator, 20 cu.ft.	676
4	400	Base Freezer	656
4	500	Base 40 gal. Water Heating (EF=0.88)	3527
4	600	Base Clotheswasher (EF=1.18)	3527
4	800	Base Dishwasher (EF=0.46)	3527
4	900	Base Conventional Oven	574
4	950	Base Plug Loads	3389
5	100	Base, 10 SEER Split-System Air Conditioner	519
5	120	Base Exhaust Air Heat Pump, 2 ton	1,248
5	160	Base Room Air Conditioner, 10 kBtu	389
5	180	Base Resistance Space Heating	4394
5	200	Base Lighting, 0.5 hr/hday	74
5	210	Base Lighting, 2.5 hr/hday	657
5	220	Base Lighting, 6.0 hr/hday	357
5	300	Base Refrigerator, 15 cu.ft.	638
5	400	Base Freezer	584
5	500	Base 40 gal. Water Heating (EF=0.90)	2998
5	600	Base Clotheswasher (EF=1.18)	2998
5	800	Base Dishwasher (EF=0.46)	2998
5	900	Base Conventional Oven	465
5	950	Base Plug Loads	1534
6	100	Base, 10 SEER Split-System Air Conditioner	774
6	120	Base Heat Pump, 3 ton	4,973
6	160	Base Room Air Conditioner, 10 kBtu	580
6	180	Base Resistance Space Heating	1917
6	200	Base Lighting, 0.5 hr/hday	115
6	210	Base Lighting, 2.5 hr/hday	1021
6	220	Base Lighting, 6.0 hr/hday	554
6	300	Base Refrigerator, 15 cu.ft.	680
6	400	Base Freezer	643
6	500	Base 40 gal. Water Heating (EF=0.90)	2169
6	600	Base Clotheswasher (EF=1.18)	2169
6	800	Base Dishwasher (EF=0.46)	2169

Seg	Measure #	Measure Description	kWh/Year
6	900	Base Conventional Oven	514
6	950	Base Plug Loads	1266

Energy Savings (Percent)

Seg	Measure #	Measure Description	Annual % Savings
1	120	Base Heat Pump, 3 ton	
1	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	14.0%
1	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	19.0%
1	123	ENERGY STAR Programmable Thermostat	6.0%
1	124	Ceiling R-0 to R-19 Insulation	24.3%
1	125	Ceiling R-19 to R-38 Insulation	8.4%
1	126	Floor R-0 to R-19 Insulation-Batts	20.1%
1	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	17.6%
1	128	Comprehensive Shell Air Sealing - Inf. Reduction	6.3%
1	129	Duct Testing and Sealing	8.0%
1	130	Duct Insulation (R-3 to R-6)	8.6%
1	131	HVAC Diagnostic Testing, Repair and Maintenance	27.9%
1	132	Windows (high efficiency / ENERGY STAR+)	16.9%
1	133	Addition of Attic and Crawlspace Ventilation	10.0%
1	160	Room Air Conditioner, 12 kBtu, 9 EER	
1	161	ENERGY STAR or better Room AC, 12 kBtu, 11+ EER	10.0%
1	180	Resistance Space Heating	
1	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	14.0%
1	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	19.0%
1	183	ENERGY STAR Programmable Thermostat	6.0%

Seg	Measure #	Measure Description	Annual % Savings
1	184	Ceiling R-0 to R-19 Insulation	24.3%
1	185	Ceiling R-19 to R-38 Insulation	8.4%
1	186	Floor R-0 to R-19 Insulation-Batts	20.1%
1	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	17.6%
1	188	Comprehensive Shell Air Sealing - Inf. Reduction	6.3%
1	189	Duct Testing and Sealing	8.0%
1	190	Duct Insulation (R-3 to R-6)	8.6%
1	191	HVAC Diagnostic Testing, Repair and Maintenance	27.9%
1	192	Windows (high efficiency / ENERGY STAR+)	16.9%
1	193	Addition of Attic and Crawlspace Ventilation	10.0%
1	200	Base Lighting, 0.5 hr/hday	
1	201	CFL, 0.5 hr/day	65.0%
1	202	CFL Fixtures, 0.5 hr/day	65.0%
1	203	Fluorescent Torchieries, 0.5 hr/day	65.0%
1	210	Base Lighting, 2.5 hr/hday	
1	211	CFL, 2.5 hr/day	65.0%
1	212	CFL Fixtures, 2.5 hr/day	65.0%
1	213	Fluorescent Torchieries, 2.5 hr/day	65.0%
1	220	Base Lighting, 6.0 hr/hday	
1	221	CFL, 6.0 hr/day	65.0%
1	222	CFL Fixtures, 6.0 hr/day	65.0%
1	223	Fluorescent Torchieries, 6.0 hr/day	65.0%
1	300	Base Refrigerator, 20 cu.ft.	
1	301	ENERGY STAR or better Refrigerator	15.0%
1	310	Base Secondary Refrigerator	
1	311	Removal of Secondary Refrigerator	100.0%
1	400	Base Freezer	
1	401	ENERGY STAR or better Freezer	10.0%
1	410	Base Secondary Freezer	
1	411	Removal of Secondary Freezer	100.0%
1	500	Base 40 gal. Water Heating (EF=0.90)	
1	501	Heat Pump Water Heater (EF=2.9)	69.7%

Seg	Measure #	Measure Description	Annual % Savings
1	502	High Efficiency Electric Water Heater (EF=0.95)	5.4%
1	503	Solar Water Heater	90.0%
1	504	Low-Flow Showerheads	10.6%
1	505	Hot Water Pipe Insulation	1.1%
1	506	Water Heater Thermostat Setback	4.3%
1	507	Tankless Water Heater (EF=0.98)	10.2%
1	508	Drain Water Heat Recovery (GFX)	24.6%
1	600	Base Clotheswasher (EF=1.18)	
1	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	12.4%
1	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	15.0%
1	800	Base Dishwasher (EF=0.46)	
1	801	Energy Star DW (EF=0.58)	5.0%
1	900	Conventional Oven	
1	901	Convection Oven	14.5%
1	950	Plug Loads	
1	951	Powerstrip with Occupancy Sensor	0.8%
2	120	Base Exhaust Air Heat Pump, 2 ton	
2	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	14.0%
2	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	19.0%
2	123	ENERGY STAR Programmable Thermostat	6.0%
2	124	Ceiling R-0 to R-19 Insulation	14.2%
2	125	Ceiling R-19 to R-38 Insulation	2.2%
2	126	Floor R-0 to R-19 Insulation-Batts	8.8%
2	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	23.1%
2	128	Comprehensive Shell Air Sealing - Inf. Reduction	14.4%
2	129	Duct Testing and Sealing	6.0%
2	130	Duct Insulation (R-3 to R-6)	0.7%
2	131	HVAC Diagnostic Testing, Repair and Maintenance	0.7%

Seg	Measure #	Measure Description	Annual % Savings
2	132	Windows (high efficiency / ENERGY STAR+)	26.8%
2	133	Addition of Attic and Crawlspace Ventilation	4.4%
2	160	Room Air Conditioner, 8 kBtu	
2	161	ENERGY STAR or better Room AC, 8 kBtu	10.0%
2	180	Resistance Space Heating	
2	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	14.0%
2	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	19.0%
2	183	ENERGY STAR Programmable Thermostat	6.0%
2	184	Ceiling R-0 to R-19 Insulation	14.2%
2	185	Ceiling R-19 to R-38 Insulation	2.2%
2	186	Floor R-0 to R-19 Insulation-Batts	8.8%
2	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	23.1%
2	188	Comprehensive Shell Air Sealing - Inf. Reduction	14.4%
2	189	Duct Testing and Sealing	6.0%
2	190	Duct Insulation (R-3 to R-6)	0.7%
2	191	HVAC Diagnostic Testing, Repair and Maintenance	0.7%
2	192	Windows (high efficiency / ENERGY STAR+)	26.8%
2	193	Addition of Attic and Crawlspace Ventilation	4.4%
2	200	Base Lighting, 0.5 hr/hday	
2	201	CFL, 0.5 hr/day	65.0%
2	202	CFL Fixtures, 0.5 hr/day	65.0%
2	203	Fluorescent Torchieries, 0.5 hr/day	65.0%
2	210	Base Lighting, 2.5 hr/hday	
2	211	CFL, 2.5 hr/day	65.0%
2	212	CFL Fixtures, 2.5 hr/day	65.0%
2	213	Fluorescent Torchieries, 2.5 hr/day	65.0%
2	220	Base Lighting, 6.0 hr/hday	

Seg	Measure #	Measure Description	Annual % Savings
2	221	CFL, 6.0 hr/day	65.0%
2	222	CFL Fixtures, 6.0 hr/day	65.0%
2	223	Fluorescent Torchieries, 6.0 hr/day	65.0%
2	300	Base Refrigerator, 15 cu.ft.	
2	301	ENERGY STAR or better Refrigerator	15.0%
2	310	Base Secondary Refrigerator	
2	311	Removal of Secondary Refrigerator	100.0%
2	400	Base Freezer	
2	401	ENERGY STAR or better Freezer	10.0%
2	410	Base Secondary Freezer	
2	411	Removal of Secondary Freezer	100.0%
2	500	Base 40 gal. Water Heating (EF=0.90)	
2	501	Heat Pump Water Heater (EF=2.9)	69.7%
2	502	High Efficiency Electric Water Heater (EF=0.95)	5.4%
2	503	Solar Water Heater	90.0%
2	504	Low-Flow Showerheads	10.6%
2	505	Hot Water Pipe Insulation	1.2%
2	506	Water Heater Thermostat Setback	4.3%
2	507	Tankless Water Heater (EF=0.98)	10.2%
2	508	Drain Water Heat Recovery (GFX)	24.7%
2	600	Base Clotheswasher (EF=1.18)	
2	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	9.9%
2	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	12.1%
2	800	Base Dishwasher (EF=0.46)	
2	801	Energy Star DW (EF=0.58)	4.0%
2	900	Conventional Oven	
2	901	Convection Oven	18.3%
2	950	Plug Loads	
2	951	Powerstrip with Occupancy Sensor	1.8%
3	120	Base Heat Pump, 2 ton	
3	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	14.0%
3	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	19.0%

Seg	Measure #	Measure Description	Annual % Savings
3	123	ENERGY STAR Programmable Thermostat	6.0%
3	124	Ceiling R-0 to R-19 Insulation	10.3%
3	125	Ceiling R-19 to R-38 Insulation	7.3%
3	126	Floor R-0 to R-19 Insulation-Batts	12.9%
3	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	3.2%
3	128	Comprehensive Shell Air Sealing - Inf. Reduction	5.2%
3	129	Duct Testing and Sealing	8.0%
3	130	Duct Insulation (R-3 to R-6)	9.1%
3	131	HVAC Diagnostic Testing, Repair and Maintenance	14.9%
3	132	Windows (high efficiency / ENERGY STAR+)	24.8%
3	133	Addition of Attic and Crawlspace Ventilation	10.0%
3	160	Room Air Conditioner, 10 kBtu	
3	161	ENERGY STAR or better Room AC, 10 kBtu	10.0%
3	180	Resistance Space Heating	
3	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	14.0%
3	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	19.0%
3	183	ENERGY STAR Programmable Thermostat	6.0%
3	184	Ceiling R-0 to R-19 Insulation	10.3%
3	185	Ceiling R-19 to R-38 Insulation	7.3%
3	186	Floor R-0 to R-19 Insulation-Batts	12.9%
3	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	3.2%
3	188	Comprehensive Shell Air Sealing - Inf. Reduction	5.2%
3	189	Duct Testing and Sealing	8.0%
3	190	Duct Insulation (R-3 to R-6)	9.1%
3	191	HVAC Diagnostic Testing, Repair and Maintenance	14.9%

Seg	Measure #	Measure Description	Annual % Savings
3	192	Windows (high efficiency / ENERGY STAR+)	24.8%
3	193	Addition of Attic and Crawlspace Ventilation	10.0%
3	200	Base Lighting, 0.5 hr/day	
3	201	CFL, 0.5 hr/day	65.0%
3	202	CFL Fixtures, 0.5 hr/day	65.0%
3	203	Fluorescent Torchieries, 0.5 hr/day	65.0%
3	210	Base Lighting, 2.5 hr/day	
3	211	CFL, 2.5 hr/day	65.0%
3	212	CFL Fixtures, 2.5 hr/day	65.0%
3	213	Fluorescent Torchieries, 2.5 hr/day	65.0%
3	220	Base Lighting, 6.0 hr/day	
3	221	CFL, 6.0 hr/day	65.0%
3	222	CFL Fixtures, 6.0 hr/day	65.0%
3	223	Fluorescent Torchieries, 6.0 hr/day	65.0%
3	300	Base Refrigerator, 15 cu.ft.	0.0%
3	301	ENERGY STAR or better Refrigerator	15.0%
3	310	Base Secondary Refrigerator	
3	311	Removal of Secondary Refrigerator	100.0%
3	400	Base Freezer	
3	401	ENERGY STAR or better Freezer	10.0%
3	410	Base Secondary Freezer	
3	411	Removal of Secondary Freezer	100.0%
3	500	Base 40 gal. Water Heating (EF=0.90)	
3	501	Heat Pump Water Heater (EF=2.9)	69.7%
3	502	High Efficiency Electric Water Heater (EF=0.95)	5.4%
3	503	Solar Water Heater	90.0%
3	504	Low-Flow Showerheads	10.6%
3	505	Hot Water Pipe Insulation	1.8%
3	506	Water Heater Thermostat Setback	4.3%
3	507	Tankless Water Heater (EF=0.98)	10.2%
3	508	Drain Water Heat Recovery (GFX)	25.0%
3	600	Base Clotheswasher (EF=1.18)	
3	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	14.5%

Seg	Measure #	Measure Description	Annual % Savings
3	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	17.5%
3	800	Base Dishwasher (EF=0.46)	
3	801	Energy Star DW (EF=0.58)	7.9%
3	900	Conventional Oven	
3	901	Convection Oven	14.8%
3	950	Plug Loads	
3	951	Powerstrip with Occupancy Sensor	1.4%
4	120	Base Heat Pump, 4 ton	
4	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	14.0%
4	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	19.0%
4	137	Geothermal Heat Pump	51.9%
4	138	ENERGY STAR New Construction	56.7%
4	139	ENERGY STAR New Construction Plus	75.6%
4	160	Room Air Conditioner, 14 kBtu	
4	161	ENERGY STAR or better Room AC, 14 kBtu	10.0%
4	200	Base Lighting, 0.5 hr/hday	
4	201	CFL, 0.5 hr/day	65.0%
4	202	CFL Fixtures, 0.5 hr/day	65.0%
4	203	Fluorescent Torchieries, 0.5 hr/day	65.0%
4	210	Base Lighting, 2.5 hr/hday	
4	211	CFL, 2.5 hr/day	65.0%
4	212	CFL Fixtures, 2.5 hr/day	65.0%
4	213	Fluorescent Torchieries, 2.5 hr/day	65.0%
4	220	Base Lighting, 6.0 hr/hday	
4	221	CFL, 6.0 hr/day	65.0%
4	222	CFL Fixtures, 6.0 hr/day	65.0%
4	223	Fluorescent Torchieries, 6.0 hr/day	65.0%
4	300	Base Refrigerator, 20 cu.ft.	
4	301	ENERGY STAR or better Refrigerator	15.0%
4	400	Base Freezer	
4	401	ENERGY STAR or better Freezer	10.0%
4	500	Base 40 gal. Water Heating (EF=0.88)	
4	501	Heat Pump Water Heater (EF=2.9)	69.7%

Seg	Measure #	Measure Description	Annual % Savings
4	502	High Efficiency Electric Water Heater (EF=0.95)	5.4%
4	503	Solar Water Heater	90.0%
4	507	Tankless Water Heater (EF=0.98)	10.2%
4	508	Drain Water Heat Recovery (GFX)	25.0%
4	600	Base Clotheswasher (EF=1.18)	
4	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	13.3%
4	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	16.2%
4	800	Base Dishwasher (EF=0.46)	
4	801	Energy Star DW (EF=0.58)	5.4%
4	900	Conventional Oven	
4	901	Convection Oven	11.7%
4	950	Plug Loads	
4	951	Powerstrip with Occupancy Sensor	0.4%
5	120	Base Exhaust Air Heat Pump, 2 ton	
5	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	14.0%
5	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	19.0%
5	137	Geothermal Heat Pump	51.9%
5	138	ENERGY STAR New Construction	102.1%
5	139	ENERGY STAR New Construction Plus	136.1%
5	160	Room Air Conditioner, 10 kBtu	
5	161	ENERGY STAR or better Room AC, 10 kBtu	10.0%
5	200	Base Lighting, 0.5 hr/hday	
5	201	CFL, 0.5 hr/day	65.0%
5	202	CFL Fixtures, 0.5 hr/day	65.0%
5	203	Fluorescent Torchieries, 0.5 hr/day	65.0%
5	210	Base Lighting, 2.5 hr/hday	
5	211	CFL, 2.5 hr/day	65.0%
5	212	CFL Fixtures, 2.5 hr/day	65.0%
5	213	Fluorescent Torchieries, 2.5 hr/day	65.0%
5	220	Base Lighting, 6.0 hr/hday	
5	221	CFL, 6.0 hr/day	65.0%

Seg	Measure #	Measure Description	Annual % Savings
5	222	CFL Fixtures, 6.0 hr/day	65.0%
5	223	Fluorescent Torchieries, 6.0 hr/day	65.0%
5	300	Base Refrigerator, 15 cu.ft.	
5	301	ENERGY STAR or better Refrigerator	15.0%
5	400	Base Freezer	
5	401	ENERGY STAR or better Freezer	10.0%
5	500	Base 40 gal. Water Heating (EF=0.90)	
5	501	Heat Pump Water Heater (EF=2.9)	69.7%
5	502	High Efficiency Electric Water Heater (EF=0.95)	5.4%
5	503	Solar Water Heater	90.0%
5	507	Tankless Water Heater (EF=0.98)	10.2%
5	508	Drain Water Heat Recovery (GFX)	28.7%
5	600	Base Clotheswasher (EF=1.18)	
5	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	10.7%
5	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	13.0%
5	800	Base Dishwasher (EF=0.46)	
5	801	Energy Star DW (EF=0.58)	4.3%
5	900	Conventional Oven	
5	901	Convection Oven	19.1%
5	950	Plug Loads	
5	951	Powerstrip with Occupancy Sensor	2.0%
6	120	Base Heat Pump, 3 ton	
6	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	14.0%
6	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	19.0%
6	138	Super Good Cents / ENERGY STAR New Man. Housing	43.1%
6	139	Super Good Cents / ENERGY STAR New Man. Housing Plus	57.4%
6	160	Room Air Conditioner, 10 kBtu	
6	161	ENERGY STAR or better Room AC, 10 kBtu	10.0%
6	200	Base Lighting, 0.5 hr/hday	
6	201	CFL, 0.5 hr/day	65.0%

Seg	Measure #	Measure Description	Annual % Savings
6	202	CFL Fixtures, 0.5 hr/day	65.0%
6	203	Fluorescent Torchieries, 0.5 hr/day	65.0%
6	210	Base Lighting, 2.5 hr/hday	
6	211	CFL, 2.5 hr/day	65.0%
6	212	CFL Fixtures, 2.5 hr/day	65.0%
6	213	Fluorescent Torchieries, 2.5 hr/day	65.0%
6	220	Base Lighting, 6.0 hr/hday	
6	221	CFL, 6.0 hr/day	65.0%
6	222	CFL Fixtures, 6.0 hr/day	65.0%
6	223	Fluorescent Torchieries, 6.0 hr/day	65.0%
6	300	Base Refrigerator, 15 cu.ft.	
6	301	ENERGY STAR or better Refrigerator	15.0%
6	400	Base Freezer	
6	401	ENERGY STAR or better Freezer	10.0%
6	500	Base 40 gal. Water Heating (EF=0.90)	
6	501	Heat Pump Water Heater (EF=2.9)	69.7%
6	502	High Efficiency Electric Water Heater (EF=0.95)	5.4%
6	503	Solar Water Heater	90.0%
6	507	Tankless Water Heater (EF=0.98)	0.0%
6	508	Drain Water Heat Recovery (GFX)	25.0%
6	600	Base Clotheswasher (EF=1.18)	
6	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	15.2%
6	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	18.4%
6	800	Base Dishwasher (EF=0.46)	
6	801	Energy Star DW (EF=0.58)	8.3%
6	900	Conventional Oven	
6	901	Convection Oven	17.5%
6	950	Plug Loads	
6	951	Powerstrip with Occupancy Sensor	1.7%

Standards Adjustment Factor (Percent)

Seg	Measure #	Measure Description	EUI Adjustment
1	120	Base Heat Pump, 3 ton	80.0%

Seg	Measure #	Measure Description	EUI Adjustment
1	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	80.0%
1	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	80.0%
1	123	ENERGY STAR Programmable Thermostat	100.0%
1	124	Ceiling R-0 to R-19 Insulation	100.0%
1	125	Ceiling R-19 to R-38 Insulation	100.0%
1	126	Floor R-0 to R-19 Insulation-Batts	100.0%
1	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	100.0%
1	128	Comprehensive Shell Air Sealing - Inf. Reduction	100.0%
1	129	Duct Testing and Sealing	100.0%
1	130	Duct Insulation (R-3 to R-6)	100.0%
1	131	HVAC Diagnostic Testing, Repair and Maintenance	100.0%
1	132	Windows (high efficiency / ENERGY STAR+)	100.0%
1	133	Addition of Attic and Crawlspace Ventilation	100.0%
1	160	Room Air Conditioner, 12 kBtu, 9 EER	77.8%
1	161	ENERGY STAR or better Room AC, 12 kBtu, 11+ EER	77.8%
1	180	Resistance Space Heating	34.1%
1	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	34.1%
1	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	34.1%
1	183	ENERGY STAR Programmable Thermostat	100.0%
1	184	Ceiling R-0 to R-19 Insulation	100.0%
1	185	Ceiling R-19 to R-38 Insulation	100.0%
1	186	Floor R-0 to R-19 Insulation-Batts	100.0%
1	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	100.0%
1	188	Comprehensive Shell Air Sealing - Inf. Reduction	100.0%
1	189	Duct Testing and Sealing	100.0%
1	190	Duct Insulation (R-3 to R-6)	100.0%

Seg	Measure #	Measure Description	EUI Adjustment
1	191	HVAC Diagnostic Testing, Repair and Maintenance	100.0%
1	192	Windows (high efficiency / ENERGY STAR+)	100.0%
1	193	Addition of Attic and Crawlspace Ventilation	100.0%
1	200	Base Lighting, 0.5 hr/hday	100.0%
1	201	CFL, 0.5 hr/day	100.0%
1	202	CFL Fixtures, 0.5 hr/day	100.0%
1	203	Fluorescent Torchieries, 0.5 hr/day	100.0%
1	210	Base Lighting, 2.5 hr/hday	100.0%
1	211	CFL, 2.5 hr/day	100.0%
1	212	CFL Fixtures, 2.5 hr/day	100.0%
1	213	Fluorescent Torchieries, 2.5 hr/day	100.0%
1	220	Base Lighting, 6.0 hr/hday	100.0%
1	221	CFL, 6.0 hr/day	100.0%
1	222	CFL Fixtures, 6.0 hr/day	100.0%
1	223	Fluorescent Torchieries, 6.0 hr/day	100.0%
1	300	Base Refrigerator, 20 cu.ft.	100.0%
1	301	ENERGY STAR or better Refrigerator	80.0%
1	310	Base Secondary Refrigerator	100.0%
1	311	Removal of Secondary Refrigerator	100.0%
1	400	Base Freezer	100.0%
1	401	ENERGY STAR or better Freezer	80.0%
1	410	Base Secondary Freezer	100.0%
1	411	Removal of Secondary Freezer	100.0%
1	500	Base 40 gal. Water Heating (EF=0.90)	85.2%
1	501	Heat Pump Water Heater (EF=2.9)	85.2%
1	502	High Efficiency Electric Water Heater (EF=0.95)	85.2%
1	503	Solar Water Heater	85.2%
1	504	Low-Flow Showerheads	100.0%
1	505	Hot Water Pipe Insulation	100.0%
1	506	Water Heater Thermostat Setback	100.0%
1	507	Tankless Water Heater (EF=0.98)	85.2%
1	508	Drain Water Heat Recovery (GFX)	100.0%
1	600	Base Clotheswasher (EF=1.18)	100.0%
1	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	100.0%

Seg	Measure #	Measure Description	EUI Adjustment
1	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	100.0%
1	800	Base Dishwasher (EF=0.46)	100.0%
1	801	Energy Star DW (EF=0.58)	100.0%
1	900	Conventional Oven	100.0%
1	901	Convection Oven	100.0%
1	950	Plug Loads	100.0%
1	951	Powerstrip with Occupancy Sensor	100.0%
2	120	Base Exhaust Air Heat Pump, 2 ton	80.0%
2	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	80.0%
2	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	80.0%
2	123	ENERGY STAR Programmable Thermostat	100.0%
2	124	Ceiling R-0 to R-19 Insulation	100.0%
2	125	Ceiling R-19 to R-38 Insulation	100.0%
2	126	Floor R-0 to R-19 Insulation-Batts	100.0%
2	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	100.0%
2	128	Comprehensive Shell Air Sealing - Inf. Reduction	100.0%
2	129	Duct Testing and Sealing	100.0%
2	130	Duct Insulation (R-3 to R-6)	100.0%
2	131	HVAC Diagnostic Testing, Repair and Maintenance	100.0%
2	132	Windows (high efficiency / ENERGY STAR+)	100.0%
2	133	Addition of Attic and Crawlspace Ventilation	100.0%
2	160	Room Air Conditioner, 8 kBtu	77.8%
2	161	ENERGY STAR or better Room AC, 8 kBtu	77.8%
2	180	Resistance Space Heating	34.1%
2	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	34.1%
2	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	34.1%
2	183	ENERGY STAR Programmable Thermostat	100.0%

Seg	Measure #	Measure Description	EUI Adjustment
2	184	Ceiling R-0 to R-19 Insulation	100.0%
2	185	Ceiling R-19 to R-38 Insulation	100.0%
2	186	Floor R-0 to R-19 Insulation-Batts	100.0%
2	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	100.0%
2	188	Comprehensive Shell Air Sealing - Inf. Reduction	100.0%
2	189	Duct Testing and Sealing	100.0%
2	190	Duct Insulation (R-3 to R-6)	100.0%
2	191	HVAC Diagnostic Testing, Repair and Maintenance	100.0%
2	192	Windows (high efficiency / ENERGY STAR+)	100.0%
2	193	Addition of Attic and Crawlspace Ventilation	100.0%
2	200	Base Lighting, 0.5 hr/hday	100.0%
2	201	CFL, 0.5 hr/day	100.0%
2	202	CFL Fixtures, 0.5 hr/day	100.0%
2	203	Fluorescent Torchieries, 0.5 hr/day	100.0%
2	210	Base Lighting, 2.5 hr/hday	100.0%
2	211	CFL, 2.5 hr/day	100.0%
2	212	CFL Fixtures, 2.5 hr/day	100.0%
2	213	Fluorescent Torchieries, 2.5 hr/day	100.0%
2	220	Base Lighting, 6.0 hr/hday	100.0%
2	221	CFL, 6.0 hr/day	100.0%
2	222	CFL Fixtures, 6.0 hr/day	100.0%
2	223	Fluorescent Torchieries, 6.0 hr/day	100.0%
2	300	Base Refrigerator, 15 cu.ft.	100.0%
2	301	ENERGY STAR or better Refrigerator	80.0%
2	310	Base Secondary Refrigerator	100.0%
2	311	Removal of Secondary Refrigerator	100.0%
2	400	Base Freezer	100.0%
2	401	ENERGY STAR or better Freezer	80.0%
2	410	Base Secondary Freezer	100.0%
2	411	Removal of Secondary Freezer	100.0%
2	500	Base 40 gal. Water Heating (EF=0.90)	85.2%
2	501	Heat Pump Water Heater (EF=2.9)	85.2%
2	502	High Efficiency Electric Water Heater (EF=0.95)	85.2%
2	503	Solar Water Heater	85.2%

Seg	Measure #	Measure Description	EUI Adjustment
2	504	Low-Flow Showerheads	100.0%
2	505	Hot Water Pipe Insulation	100.0%
2	506	Water Heater Thermostat Setback	100.0%
2	507	Tankless Water Heater (EF=0.98)	85.2%
2	508	Drain Water Heat Recovery (GFX)	100.0%
2	600	Base Clotheswasher (EF=1.18)	100.0%
2	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	100.0%
2	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	100.0%
2	800	Base Dishwasher (EF=0.46)	975.0%
2	801	Energy Star DW (EF=0.58)	100.0%
2	900	Conventional Oven	975.0%
2	901	Convection Oven	975.0%
2	950	Plug Loads	100.0%
2	951	Powerstrip with Occupancy Sensor	100.0%
3	120	Base Heat Pump, 2 ton	80.0%
3	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	80.0%
3	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	80.0%
3	123	ENERGY STAR Programmable Thermostat	100.0%
3	124	Ceiling R-0 to R-19 Insulation	100.0%
3	125	Ceiling R-19 to R-38 Insulation	100.0%
3	126	Floor R-0 to R-19 Insulation-Batts	100.0%
3	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	100.0%
3	128	Comprehensive Shell Air Sealing - Inf. Reduction	100.0%
3	129	Duct Testing and Sealing	100.0%
3	130	Duct Insulation (R-3 to R-6)	100.0%
3	131	HVAC Diagnostic Testing, Repair and Maintenance	100.0%
3	132	Windows (high efficiency / ENERGY STAR+)	100.0%
3	133	Addition of Attic and Crawlspace Ventilation	100.0%
3	160	Room Air Conditioner, 10 kBtu	77.8%

Seg	Measure #	Measure Description	EUI Adjustment
3	161	ENERGY STAR or better Room AC, 10 kBtu	77.8%
3	180	Resistance Space Heating	34.1%
3	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	34.1%
3	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	34.1%
3	183	ENERGY STAR Programmable Thermostat	100.0%
3	184	Ceiling R-0 to R-19 Insulation	100.0%
3	185	Ceiling R-19 to R-38 Insulation	100.0%
3	186	Floor R-0 to R-19 Insulation-Batts	100.0%
3	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	100.0%
3	188	Comprehensive Shell Air Sealing - Inf. Reduction	100.0%
3	189	Duct Testing and Sealing	100.0%
3	190	Duct Insulation (R-3 to R-6)	100.0%
3	191	HVAC Diagnostic Testing, Repair and Maintenance	100.0%
3	192	Windows (high efficiency / ENERGY STAR+)	100.0%
3	193	Addition of Attic and Crawlspace Ventilation	100.0%
3	200	Base Lighting, 0.5 hr/hday	100.0%
3	201	CFL, 0.5 hr/day	100.0%
3	202	CFL Fixtures, 0.5 hr/day	100.0%
3	203	Fluorescent Torchieries, 0.5 hr/day	100.0%
3	210	Base Lighting, 2.5 hr/hday	100.0%
3	211	CFL, 2.5 hr/day	100.0%
3	212	CFL Fixtures, 2.5 hr/day	100.0%
3	213	Fluorescent Torchieries, 2.5 hr/day	100.0%
3	220	Base Lighting, 6.0 hr/hday	100.0%
3	221	CFL, 6.0 hr/day	100.0%
3	222	CFL Fixtures, 6.0 hr/day	100.0%
3	223	Fluorescent Torchieries, 6.0 hr/day	100.0%
3	300	Base Refrigerator, 15 cu.ft.	100.0%
3	301	ENERGY STAR or better Refrigerator	80.0%
3	310	Base Secondary Refrigerator	100.0%
3	311	Removal of Secondary Refrigerator	100.0%

Seg	Measure #	Measure Description	EUI Adjustment
3	400	Base Freezer	100.0%
3	401	ENERGY STAR or better Freezer	80.0%
3	410	Base Secondary Freezer	100.0%
3	411	Removal of Secondary Freezer	100.0%
3	500	Base 40 gal. Water Heating (EF=0.90)	85.2%
3	501	Heat Pump Water Heater (EF=2.9)	85.2%
3	502	High Efficiency Electric Water Heater (EF=0.95)	85.2%
3	503	Solar Water Heater	85.2%
3	504	Low-Flow Showerheads	100.0%
3	505	Hot Water Pipe Insulation	100.0%
3	506	Water Heater Thermostat Setback	100.0%
3	507	Tankless Water Heater (EF=0.98)	85.2%
3	508	Drain Water Heat Recovery (GFX)	100.0%
3	600	Base Clotheswasher (EF=1.18)	100.0%
3	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	100.0%
3	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	100.0%
3	800	Base Dishwasher (EF=0.46)	100.0%
3	801	Energy Star DW (EF=0.58)	100.0%
3	900	Conventional Oven	100.0%
3	901	Convection Oven	100.0%
3	950	Plug Loads	100.0%
3	951	Powerstrip with Occupancy Sensor	100.0%
4	120	Base Heat Pump, 4 ton	100.0%
4	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	100.0%
4	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	100.0%
4	137	Geothermal Heat Pump	100.0%
4	138	ENERGY STAR New Construction	100.0%
4	139	ENERGY STAR New Construction Plus	100.0%
4	160	Room Air Conditioner, 14 kBtu	100.0%
4	161	ENERGY STAR or better Room AC, 14 kBtu	100.0%
4	200	Base Lighting, 0.5 hr/hday	100.0%
4	201	CFL, 0.5 hr/day	100.0%
4	202	CFL Fixtures, 0.5 hr/day	100.0%

Seg	Measure #	Measure Description	EUI Adjustment
4	203	Fluorescent Torchieries, 0.5 hr/day	100.0%
4	210	Base Lighting, 2.5 hr/hday	100.0%
4	211	CFL, 2.5 hr/day	100.0%
4	212	CFL Fixtures, 2.5 hr/day	100.0%
4	213	Fluorescent Torchieries, 2.5 hr/day	100.0%
4	220	Base Lighting, 6.0 hr/hday	100.0%
4	221	CFL, 6.0 hr/day	100.0%
4	222	CFL Fixtures, 6.0 hr/day	100.0%
4	223	Fluorescent Torchieries, 6.0 hr/day	100.0%
4	300	Base Refrigerator, 20 cu.ft.	100.0%
4	301	ENERGY STAR or better Refrigerator	100.0%
4	400	Base Freezer	100.0%
4	401	ENERGY STAR or better Freezer	100.0%
4	500	Base 40 gal. Water Heating (EF=0.87)	100.0%
4	501	Heat Pump Water Heater (EF=2.9)	100.0%
4	502	High Efficiency Electric Water Heater (EF=0.95)	100.0%
4	503	Solar Water Heater	100.0%
4	507	Tankless Water Heater (EF=0.98)	100.0%
4	508	Drain Water Heat Recovery (GFX)	100.0%
4	600	Base Clotheswasher (EF=1.18)	100.0%
4	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	100.0%
4	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	100.0%
4	800	Base Dishwasher (EF=0.46)	100.0%
4	801	Energy Star DW (EF=0.58)	100.0%
4	900	Conventional Oven	100.0%
4	901	Convection Oven	100.0%
4	950	Plug Loads	100.0%
4	951	Powerstrip with Occupancy Sensor	100.0%
5	120	Base Exhaust Air Heat Pump, 2 ton	100.0%
5	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	100.0%
5	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	100.0%
5	137	Geothermal Heat Pump	100.0%
5	138	ENERGY STAR New Construction	100.0%
5	139	ENERGY STAR New Construction Plus	100.0%

Seg	Measure #	Measure Description	EUI Adjustment
5	160	Room Air Conditioner, 10 kBtu	100.0%
5	161	ENERGY STAR or better Room AC, 10 kBtu	100.0%
5	200	Base Lighting, 0.5 hr/hday	100.0%
5	201	CFL, 0.5 hr/day	100.0%
5	202	CFL Fixtures, 0.5 hr/day	100.0%
5	203	Fluorescent Torchieries, 0.5 hr/day	100.0%
5	210	Base Lighting, 2.5 hr/hday	100.0%
5	211	CFL, 2.5 hr/day	100.0%
5	212	CFL Fixtures, 2.5 hr/day	100.0%
5	213	Fluorescent Torchieries, 2.5 hr/day	100.0%
5	220	Base Lighting, 6.0 hr/hday	100.0%
5	221	CFL, 6.0 hr/day	100.0%
5	222	CFL Fixtures, 6.0 hr/day	100.0%
5	223	Fluorescent Torchieries, 6.0 hr/day	100.0%
5	300	Base Refrigerator, 15 cu.ft.	100.0%
5	301	ENERGY STAR or better Refrigerator	100.0%
5	400	Base Freezer	100.0%
5	401	ENERGY STAR or better Freezer	100.0%
5	500	Base 40 gal. Water Heating (EF=0.90)	100.0%
5	501	Heat Pump Water Heater (EF=2.9)	100.0%
5	502	High Efficiency Electric Water Heater (EF=0.95)	100.0%
5	503	Solar Water Heater	100.0%
5	507	Tankless Water Heater (EF=0.98)	100.0%
5	508	Drain Water Heat Recovery (GFX)	100.0%
5	600	Base Clotheswasher (EF=1.18)	100.0%
5	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	100.0%
5	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	100.0%
5	800	Base Dishwasher (EF=0.46)	100.0%
5	801	Energy Star DW (EF=0.58)	100.0%
5	900	Conventional Oven	100.0%
5	901	Convection Oven	100.0%
5	950	Plug Loads	100.0%
5	951	Powerstrip with Occupancy Sensor	100.0%
6	120	Base Heat Pump, 3 ton	100.0%
6	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	100.0%

Seg	Measure #	Measure Description	EUI Adjustment
6	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	100.0%
6	138	Super Good Cents / ENERGY STAR New Man. Housing	100.0%
6	139	Super Good Cents / ENERGY STAR New Man. Housing Plus	100.0%
6	160	Room Air Conditioner, 10 kBtu	100.0%
6	161	ENERGY STAR or better Room AC, 10 kBtu	100.0%
6	200	Base Lighting, 0.5 hr/day	100.0%
6	201	CFL, 0.5 hr/day	100.0%
6	202	CFL Fixtures, 0.5 hr/day	100.0%
6	203	Fluorescent Torchieries, 0.5 hr/day	100.0%
6	210	Base Lighting, 2.5 hr/day	100.0%
6	211	CFL, 2.5 hr/day	100.0%
6	212	CFL Fixtures, 2.5 hr/day	100.0%
6	213	Fluorescent Torchieries, 2.5 hr/day	100.0%
6	220	Base Lighting, 6.0 hr/day	100.0%
6	221	CFL, 6.0 hr/day	100.0%
6	222	CFL Fixtures, 6.0 hr/day	100.0%
6	223	Fluorescent Torchieries, 6.0 hr/day	100.0%
6	300	Base Refrigerator, 15 cu.ft.	100.0%
6	301	ENERGY STAR or better Refrigerator	100.0%
6	400	Base Freezer	100.0%
6	401	ENERGY STAR or better Freezer	100.0%
6	500	Base 40 gal. Water Heating (EF=0.90)	100.0%
6	501	Heat Pump Water Heater (EF=2.9)	100.0%
6	502	High Efficiency Electric Water Heater (EF=0.95)	100.0%
6	503	Solar Water Heater	100.0%
6	507	Tankless Water Heater (EF=0.98)	100.0%
6	508	Drain Water Heat Recovery (GFX)	100.0%
6	600	Base Clotheswasher (EF=1.18)	100.0%
6	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	100.0%
6	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	100.0%
6	800	Base Dishwasher (EF=0.46)	100.0%
6	801	Energy Star DW (EF=0.58)	100.0%
6	900	Conventional Oven	100.0%

Seg	Measure #	Measure Description	EUI Adjustment
6	901	Convection Oven	100.0%
6	950	Plug Loads	100.0%
6	951	Powerstrip with Occupancy Sensor	100.0%

Feasibility Factor (Percent)

Seg	Measure #	Measure Description	Feasibility Factor
1	120	Base Heat Pump, 3 ton	100.0%
1	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	50.0%
1	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	50.0%
1	123	ENERGY STAR Programmable Thermostat	80.0%
1	124	Ceiling R-0 to R-19 Insulation	67.0%
1	125	Ceiling R-19 to R-38 Insulation	33.0%
1	126	Floor R-0 to R-19 Insulation-Batts	33.0%
1	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	50.0%
1	128	Comprehensive Shell Air Sealing - Inf. Reduction	90.0%
1	129	Duct Testing and Sealing	50.0%
1	130	Duct Insulation (R-3 to R-6)	50.0%
1	131	HVAC Diagnostic Testing, Repair and Maintenance	100.0%
1	132	Windows (high efficiency / ENERGY STAR+)	75.0%
1	133	Addition of Attic and Crawlspace Ventilation	50.0%
1	160	Room Air Conditioner, 12 kBtu, 9 EER	100.0%
1	161	ENERGY STAR or better Room AC, 12 kBtu, 11+ EER	100.0%
1	180	Resistance Space Heating	100.0%
1	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	50.0%
1	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	50.0%
1	183	ENERGY STAR Programmable Thermostat	80.0%
1	184	Ceiling R-0 to R-19 Insulation	67.0%

Seg	Measure #	Measure Description	Feasibility Factor
1	185	Ceiling R-19 to R-38 Insulation	33.0%
1	186	Floor R-0 to R-19 Insulation-Batts	33.0%
1	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	50.0%
1	188	Comprehensive Shell Air Sealing - Inf. Reduction	90.0%
1	189	Duct Testing and Sealing	50.0%
1	190	Duct Insulation (R-3 to R-6)	50.0%
1	191	HVAC Diagnostic Testing, Repair and Maintenance	100.0%
1	192	Windows (high efficiency / ENERGY STAR+)	75.0%
1	193	Addition of Attic and Crawlspace Ventilation	50.0%
1	200	Base Lighting, 0.5 hr/hday	100.0%
1	201	CFL, 0.5 hr/day	90.0%
1	202	CFL Fixtures, 0.5 hr/day	5.0%
1	203	Fluorescent Torchieries, 0.5 hr/day	5.0%
1	210	Base Lighting, 2.5 hr/hday	100.0%
1	211	CFL, 2.5 hr/day	90.0%
1	212	CFL Fixtures, 2.5 hr/day	5.0%
1	213	Fluorescent Torchieries, 2.5 hr/day	5.0%
1	220	Base Lighting, 6.0 hr/hday	100.0%
1	221	CFL, 6.0 hr/day	90.0%
1	222	CFL Fixtures, 6.0 hr/day	5.0%
1	223	Fluorescent Torchieries, 6.0 hr/day	5.0%
1	300	Base Refrigerator, 20 cu.ft.	100.0%
1	301	ENERGY STAR or better Refrigerator	100.0%
1	310	Base Secondary Refrigerator	100.0%
1	311	Removal of Secondary Refrigerator	15.0%
1	400	Base Freezer	100.0%
1	401	ENERGY STAR or better Freezer	100.0%
1	410	Base Secondary Freezer	100.0%
1	411	Removal of Secondary Freezer	15.0%
1	500	Base 40 gal. Water Heating (EF=0.90)	100.0%
1	501	Heat Pump Water Heater (EF=2.9)	40.0%
1	502	High Efficiency Electric Water Heater (EF=0.95)	40.0%
1	503	Solar Water Heater	10.0%
1	504	Low-Flow Showerheads	95.0%

Seg	Measure #	Measure Description	Feasibility Factor
1	505	Hot Water Pipe Insulation	75.0%
1	506	Water Heater Thermostat Setback	100.0%
1	507	Tankless Water Heater (EF=0.98)	10.0%
1	508	Drain Water Heat Recovery (GFX)	35.0%
1	600	Base Clotheswasher (EF=1.18)	100.0%
1	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	50.0%
1	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	50.0%
1	800	Base Dishwasher (EF=0.46)	100.0%
1	801	Energy Star DW (EF=0.58)	100.0%
1	900	Conventional Oven	100.0%
1	901	Convection Oven	100.0%
1	950	Plug Loads	100.0%
1	951	Powerstrip with Occupancy Sensor	100.0%
2	120	Base Exhaust Air Heat Pump, 2 ton	100.0%
2	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	50.0%
2	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	50.0%
2	123	ENERGY STAR Programmable Thermostat	80.0%
2	124	Ceiling R-0 to R-19 Insulation	67.0%
2	125	Ceiling R-19 to R-38 Insulation	33.0%
2	126	Floor R-0 to R-19 Insulation-Batts	33.0%
2	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	50.0%
2	128	Comprehensive Shell Air Sealing - Inf. Reduction	90.0%
2	129	Duct Testing and Sealing	50.0%
2	130	Duct Insulation (R-3 to R-6)	50.0%
2	131	HVAC Diagnostic Testing, Repair and Maintenance	100.0%
2	132	Windows (high efficiency / ENERGY STAR+)	75.0%
2	133	Addition of Attic and Crawlspace Ventilation	50.0%
2	160	Room Air Conditioner, 8 kBtu	100.0%
2	161	ENERGY STAR or better Room AC, 8 kBtu	100.0%

Seg	Measure #	Measure Description	Feasibility Factor
2	180	Resistance Space Heating	100.0%
2	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	50.0%
2	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	50.0%
2	183	ENERGY STAR Programmable Thermostat	80.0%
2	184	Ceiling R-0 to R-19 Insulation	67.0%
2	185	Ceiling R-19 to R-38 Insulation	33.0%
2	186	Floor R-0 to R-19 Insulation-Batts	33.0%
2	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	50.0%
2	188	Comprehensive Shell Air Sealing - Inf. Reduction	90.0%
2	189	Duct Testing and Sealing	50.0%
2	190	Duct Insulation (R-3 to R-6)	50.0%
2	191	HVAC Diagnostic Testing, Repair and Maintenance	100.0%
2	192	Windows (high efficiency / ENERGY STAR+)	75.0%
2	193	Addition of Attic and Crawlspace Ventilation	50.0%
2	200	Base Lighting, 0.5 hr/hday	100.0%
2	201	CFL, 0.5 hr/day	90.0%
2	202	CFL Fixtures, 0.5 hr/day	5.0%
2	203	Fluorescent Torchieries, 0.5 hr/day	5.0%
2	210	Base Lighting, 2.5 hr/hday	100.0%
2	211	CFL, 2.5 hr/day	90.0%
2	212	CFL Fixtures, 2.5 hr/day	5.0%
2	213	Fluorescent Torchieries, 2.5 hr/day	5.0%
2	220	Base Lighting, 6.0 hr/hday	100.0%
2	221	CFL, 6.0 hr/day	90.0%
2	222	CFL Fixtures, 6.0 hr/day	5.0%
2	223	Fluorescent Torchieries, 6.0 hr/day	5.0%
2	300	Base Refrigerator, 15 cu.ft.	100.0%
2	301	ENERGY STAR or better Refrigerator	100.0%
2	310	Base Secondary Refrigerator	100.0%
2	311	Removal of Secondary Refrigerator	15.0%
2	400	Base Freezer	100.0%
2	401	ENERGY STAR or better Freezer	100.0%

Seg	Measure #	Measure Description	Feasibility Factor
2	410	Base Secondary Freezer	100.0%
2	411	Removal of Secondary Freezer	15.0%
2	500	Base 40 gal. Water Heating (EF=0.90)	100.0%
2	501	Heat Pump Water Heater (EF=2.9)	40.0%
2	502	High Efficiency Electric Water Heater (EF=0.95)	40.0%
2	503	Solar Water Heater	10.0%
2	504	Low-Flow Showerheads	95.0%
2	505	Hot Water Pipe Insulation	75.0%
2	506	Water Heater Thermostat Setback	100.0%
2	507	Tankless Water Heater (EF=0.98)	10.0%
2	508	Drain Water Heat Recovery (GFX)	25.0%
2	600	Base Clotheswasher (EF=1.18)	100.0%
2	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	50.0%
2	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	50.0%
2	800	Base Dishwasher (EF=0.46)	100.0%
2	801	Energy Star DW (EF=0.58)	100.0%
2	900	Conventional Oven	100.0%
2	901	Convection Oven	100.0%
2	950	Plug Loads	100.0%
2	951	Powerstrip with Occupancy Sensor	100.0%
3	120	Base Heat Pump, 2 ton	100.0%
3	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	50.0%
3	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	50.0%
3	123	ENERGY STAR Programmable Thermostat	80.0%
3	124	Ceiling R-0 to R-19 Insulation	67.0%
3	125	Ceiling R-19 to R-38 Insulation	33.0%
3	126	Floor R-0 to R-19 Insulation-Batts	33.0%
3	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	50.0%
3	128	Comprehensive Shell Air Sealing - Inf. Reduction	90.0%
3	129	Duct Testing and Sealing	50.0%
3	130	Duct Insulation (R-3 to R-6)	50.0%

Seg	Measure #	Measure Description	Feasibility Factor
3	131	HVAC Diagnostic Testing, Repair and Maintenance	100.0%
3	132	Windows (high efficiency / ENERGY STAR+)	75.0%
3	133	Addition of Attic and Crawlspace Ventilation	50.0%
3	160	Room Air Conditioner, 10 kBtu	100.0%
3	161	ENERGY STAR or better Room AC, 10 kBtu	100.0%
3	180	Resistance Space Heating	100.0%
3	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	50.0%
3	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	50.0%
3	183	ENERGY STAR Programmable Thermostat	80.0%
3	184	Ceiling R-0 to R-19 Insulation	67.0%
3	185	Ceiling R-19 to R-38 Insulation	33.0%
3	186	Floor R-0 to R-19 Insulation-Batts	33.0%
3	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	50.0%
3	188	Comprehensive Shell Air Sealing - Inf. Reduction	90.0%
3	189	Duct Testing and Sealing	50.0%
3	190	Duct Insulation (R-3 to R-6)	50.0%
3	191	HVAC Diagnostic Testing, Repair and Maintenance	100.0%
3	192	Windows (high efficiency / ENERGY STAR+)	75.0%
3	193	Addition of Attic and Crawlspace Ventilation	50.0%
3	200	Base Lighting, 0.5 hr/hday	100.0%
3	201	CFL, 0.5 hr/day	90.0%
3	202	CFL Fixtures, 0.5 hr/day	5.0%
3	203	Fluorescent Torchieries, 0.5 hr/day	5.0%
3	210	Base Lighting, 2.5 hr/hday	100.0%
3	211	CFL, 2.5 hr/day	90.0%
3	212	CFL Fixtures, 2.5 hr/day	5.0%
3	213	Fluorescent Torchieries, 2.5 hr/day	5.0%
3	220	Base Lighting, 6.0 hr/hday	100.0%

Seg	Measure #	Measure Description	Feasibility Factor
3	221	CFL, 6.0 hr/day	90.0%
3	222	CFL Fixtures, 6.0 hr/day	5.0%
3	223	Fluorescent Torchiere's, 6.0 hr/day	5.0%
3	300	Base Refrigerator, 15 cu.ft.	100.0%
3	301	ENERGY STAR or better Refrigerator	100.0%
3	310	Base Secondary Refrigerator	100.0%
3	311	Removal of Secondary Refrigerator	15.0%
3	400	Base Freezer	100.0%
3	401	ENERGY STAR or better Freezer	100.0%
3	410	Base Secondary Freezer	100.0%
3	411	Removal of Secondary Freezer	15.0%
3	500	Base 40 gal. Water Heating (EF=0.90)	100.0%
3	501	Heat Pump Water Heater (EF=2.9)	40.0%
3	502	High Efficiency Electric Water Heater (EF=0.95)	40.0%
3	503	Solar Water Heater	10.0%
3	504	Low-Flow Showerheads	95.0%
3	505	Hot Water Pipe Insulation	75.0%
3	506	Water Heater Thermostat Setback	100.0%
3	507	Tankless Water Heater (EF=0.98)	10.0%
3	508	Drain Water Heat Recovery (GFX)	25.0%
3	600	Base Clotheswasher (EF=1.18)	100.0%
3	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	50.0%
3	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	50.0%
3	800	Base Dishwasher (EF=0.46)	100.0%
3	801	Energy Star DW (EF=0.58)	100.0%
3	900	Conventional Oven	100.0%
3	901	Convection Oven	100.0%
3	950	Plug Loads	100.0%
3	951	Powerstrip with Occupancy Sensor	100.0%
4	120	Base Heat Pump, 4 ton	100.0%
4	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	40.0%
4	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	40.0%
4	137	Geothermal Heat Pump	20.0%
4	138	ENERGY STAR New Construction	50.0%

Seg	Measure #	Measure Description	Feasibility Factor
4	139	ENERGY STAR New Construction Plus	50.0%
4	160	Room Air Conditioner, 14 kBtu	100.0%
4	161	ENERGY STAR or better Room AC, 14 kBtu	100.0%
4	200	Base Lighting, 0.5 hr/hday	100.0%
4	201	CFL, 0.5 hr/day	90.0%
4	202	CFL Fixtures, 0.5 hr/day	5.0%
4	203	Fluorescent Torchieries, 0.5 hr/day	5.0%
4	210	Base Lighting, 2.5 hr/hday	100.0%
4	211	CFL, 2.5 hr/day	90.0%
4	212	CFL Fixtures, 2.5 hr/day	5.0%
4	213	Fluorescent Torchieries, 2.5 hr/day	5.0%
4	220	Base Lighting, 6.0 hr/hday	100.0%
4	221	CFL, 6.0 hr/day	90.0%
4	222	CFL Fixtures, 6.0 hr/day	5.0%
4	223	Fluorescent Torchieries, 6.0 hr/day	5.0%
4	300	Base Refrigerator, 20 cu.ft.	100.0%
4	301	ENERGY STAR or better Refrigerator	100.0%
4	400	Base Freezer	100.0%
4	401	ENERGY STAR or better Freezer	100.0%
4	500	Base 40 gal. Water Heating (EF=0.87)	100.0%
4	501	Heat Pump Water Heater (EF=2.9)	40.0%
4	502	High Efficiency Electric Water Heater (EF=0.95)	40.0%
4	503	Solar Water Heater	10.0%
4	507	Tankless Water Heater (EF=0.98)	10.0%
4	508	Drain Water Heat Recovery (GFX)	35.0%
4	600	Base Clotheswasher (EF=1.18)	100.0%
4	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	50.0%
4	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	50.0%
4	800	Base Dishwasher (EF=0.46)	100.0%
4	801	Energy Star DW (EF=0.58)	100.0%
4	900	Conventional Oven	100.0%
4	901	Convection Oven	100.0%
4	950	Plug Loads	100.0%
4	951	Powerstrip with Occupancy Sensor	100.0%
5	120	Base Exhaust Air Heat Pump, 2 ton	100.0%

Seg	Measure #	Measure Description	Feasibility Factor
5	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	40.0%
5	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	40.0%
5	137	Geothermal Heat Pump	20.0%
5	138	ENERGY STAR New Construction	50.0%
5	139	ENERGY STAR New Construction Plus	50.0%
5	160	Room Air Conditioner, 10 kBtu	100.0%
5	161	ENERGY STAR or better Room AC, 10 kBtu	100.0%
5	200	Base Lighting, 0.5 hr/day	100.0%
5	201	CFL, 0.5 hr/day	90.0%
5	202	CFL Fixtures, 0.5 hr/day	5.0%
5	203	Fluorescent Torchieries, 0.5 hr/day	5.0%
5	210	Base Lighting, 2.5 hr/day	100.0%
5	211	CFL, 2.5 hr/day	90.0%
5	212	CFL Fixtures, 2.5 hr/day	5.0%
5	213	Fluorescent Torchieries, 2.5 hr/day	5.0%
5	220	Base Lighting, 6.0 hr/day	100.0%
5	221	CFL, 6.0 hr/day	90.0%
5	222	CFL Fixtures, 6.0 hr/day	5.0%
5	223	Fluorescent Torchieries, 6.0 hr/day	5.0%
5	300	Base Refrigerator, 15 cu.ft.	100.0%
5	301	ENERGY STAR or better Refrigerator	100.0%
5	400	Base Freezer	100.0%
5	401	ENERGY STAR or better Freezer	100.0%
5	500	Base 40 gal. Water Heating (EF=0.90)	100.0%
5	501	Heat Pump Water Heater (EF=2.9)	40.0%
5	502	High Efficiency Electric Water Heater (EF=0.95)	40.0%
5	503	Solar Water Heater	10.0%
5	507	Tankless Water Heater (EF=0.98)	10.0%
5	508	Drain Water Heat Recovery (GFX)	25.0%
5	600	Base Clotheswasher (EF=1.18)	100.0%
5	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	50.0%
5	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	50.0%
5	800	Base Dishwasher (EF=0.46)	100.0%

Seg	Measure #	Measure Description	Feasibility Factor
5	801	Energy Star DW (EF=0.58)	100.0%
5	900	Conventional Oven	100.0%
5	901	Convection Oven	100.0%
5	950	Plug Loads	100.0%
5	951	Powerstrip with Occupancy Sensor	100.0%
6	120	Base Heat Pump, 3 ton	100.0%
6	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	50.0%
6	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	50.0%
6	138	Super Good Cents / ENERGY STAR New Man. Housing	50.0%
6	139	Super Good Cents / ENERGY STAR New Man. Housing Plus	50.0%
6	160	Room Air Conditioner, 10 kBtu	100.0%
6	161	ENERGY STAR or better Room AC, 10 kBtu	100.0%
6	200	Base Lighting, 0.5 hr/hday	100.0%
6	201	CFL, 0.5 hr/day	90.0%
6	202	CFL Fixtures, 0.5 hr/day	5.0%
6	203	Fluorescent Torchieries, 0.5 hr/day	5.0%
6	210	Base Lighting, 2.5 hr/hday	100.0%
6	211	CFL, 2.5 hr/day	90.0%
6	212	CFL Fixtures, 2.5 hr/day	5.0%
6	213	Fluorescent Torchieries, 2.5 hr/day	5.0%
6	220	Base Lighting, 6.0 hr/hday	100.0%
6	221	CFL, 6.0 hr/day	90.0%
6	222	CFL Fixtures, 6.0 hr/day	5.0%
6	223	Fluorescent Torchieries, 6.0 hr/day	5.0%
6	300	Base Refrigerator, 15 cu.ft.	100.0%
6	301	ENERGY STAR or better Refrigerator	100.0%
6	400	Base Freezer	100.0%
6	401	ENERGY STAR or better Freezer	100.0%
6	500	Base 40 gal. Water Heating (EF=0.90)	100.0%
6	501	Heat Pump Water Heater (EF=2.9)	40.0%
6	502	High Efficiency Electric Water Heater (EF=0.95)	40.0%
6	503	Solar Water Heater	10.0%
6	507	Tankless Water Heater (EF=0.98)	10.0%
6	508	Drain Water Heat Recovery (GFX)	25.0%

Seg	Measure #	Measure Description	Feasibility Factor
6	600	Base Clotheswasher (EF=1.18)	100.0%
6	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	50.0%
6	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	50.0%
6	800	Base Dishwasher (EF=0.46)	100.0%
6	801	Energy Star DW (EF=0.58)	100.0%
6	900	Conventional Oven	100.0%
6	901	Convection Oven	100.0%
6	950	Plug Loads	100.0%
6	951	Powerstrip with Occupancy Sensor	100.0%

Incomplete Factor (Percent)

Seg	Measure #	Measure Description	Incomplete Factor
1	120	Base Heat Pump, 3 ton	100.0%
1	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	82.0%
1	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	95.0%
1	123	ENERGY STAR Programmable Thermostat	50.0%
1	124	Ceiling R-0 to R-19 Insulation	18.0%
1	125	Ceiling R-19 to R-38 Insulation	87.0%
1	126	Floor R-0 to R-19 Insulation-Batts	80.0%
1	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	50.0%
1	128	Comprehensive Shell Air Sealing - Inf. Reduction	40.0%
1	129	Duct Testing and Sealing	72.0%
1	130	Duct Insulation (R-3 to R-6)	25.0%
1	131	HVAC Diagnostic Testing, Repair and Maintenance	50.0%
1	132	Windows (high efficiency / ENERGY STAR+)	90.0%
1	133	Addition of Attic and Crawlspace Ventilation	75.0%
1	160	Room Air Conditioner, 12 kBtu, 9 EER	100.0%

Seg	Measure #	Measure Description	Incomplete Factor
1	161	ENERGY STAR or better Room AC, 12 kBtu, 11+ EER	90.0%
1	180	Resistance Space Heating	100.0%
1	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	82.0%
1	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	95.0%
1	183	ENERGY STAR Programmable Thermostat	50.0%
1	184	Ceiling R-0 to R-19 Insulation	18.0%
1	185	Ceiling R-19 to R-38 Insulation	87.0%
1	186	Floor R-0 to R-19 Insulation-Batts	80.0%
1	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	50.0%
1	188	Comprehensive Shell Air Sealing - Inf. Reduction	40.0%
1	189	Duct Testing and Sealing	72.0%
1	190	Duct Insulation (R-3 to R-6)	25.0%
1	191	HVAC Diagnostic Testing, Repair and Maintenance	50.0%
1	192	Windows (high efficiency / ENERGY STAR+)	90.0%
1	193	Addition of Attic and Crawlspace Ventilation	75.0%
1	200	Base Lighting, 0.5 hr/hday	100.0%
1	201	CFL, 0.5 hr/day	97.5%
1	202	CFL Fixtures, 0.5 hr/day	97.5%
1	203	Fluorescent Torchieries, 0.5 hr/day	100.0%
1	210	Base Lighting, 2.5 hr/hday	100.0%
1	211	CFL, 2.5 hr/day	97.5%
1	212	CFL Fixtures, 2.5 hr/day	97.5%
1	213	Fluorescent Torchieries, 2.5 hr/day	100.0%
1	220	Base Lighting, 6.0 hr/hday	100.0%
1	221	CFL, 6.0 hr/day	97.5%
1	222	CFL Fixtures, 6.0 hr/day	97.5%
1	223	Fluorescent Torchieries, 6.0 hr/day	100.0%
1	300	Base Refrigerator, 20 cu.ft.	100.0%
1	301	ENERGY STAR or better Refrigerator	99.9%
1	310	Base Secondary Refrigerator	100.0%
1	311	Removal of Secondary Refrigerator	100.0%

Seg	Measure #	Measure Description	Incomplete Factor
1	400	Base Freezer	100.0%
1	401	ENERGY STAR or better Freezer	99.9%
1	410	Base Secondary Freezer	100.0%
1	411	Removal of Secondary Freezer	100.0%
1	500	Base 40 gal. Water Heating (EF=0.90)	100.0%
1	501	Heat Pump Water Heater (EF=2.9)	99.9%
1	502	High Efficiency Electric Water Heater (EF=0.95)	93.7%
1	503	Solar Water Heater	99.0%
1	504	Low-Flow Showerheads	30.0%
1	505	Hot Water Pipe Insulation	80.0%
1	506	Water Heater Thermostat Setback	100.0%
1	507	Tankless Water Heater (EF=0.98)	100.0%
1	508	Drain Water Heat Recovery (GFX)	100.0%
1	600	Base Clotheswasher (EF=1.18)	100.0%
1	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	97.0%
1	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	97.0%
1	800	Base Dishwasher (EF=0.46)	100.0%
1	801	Energy Star DW (EF=0.58)	91.8%
1	900	Conventional Oven	100.0%
1	901	Convection Oven	100.0%
1	950	Plug Loads	100.0%
1	951	Powerstrip with Occupancy Sensor	100.0%
2	120	Base Exhaust Air Heat Pump, 2 ton	100.0%
2	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	100.0%
2	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	100.0%
2	123	ENERGY STAR Programmable Thermostat	10.0%
2	124	Ceiling R-0 to R-19 Insulation	100.0%
2	125	Ceiling R-19 to R-38 Insulation	68.0%
2	126	Floor R-0 to R-19 Insulation-Batts	100.0%
2	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	100.0%
2	128	Comprehensive Shell Air Sealing - Inf. Reduction	20.0%
2	129	Duct Testing and Sealing	36.0%

Seg	Measure #	Measure Description	Incomplete Factor
2	130	Duct Insulation (R-3 to R-6)	100.0%
2	131	HVAC Diagnostic Testing, Repair and Maintenance	50.0%
2	132	Windows (high efficiency / ENERGY STAR+)	90.0%
2	133	Addition of Attic and Crawlspace Ventilation	75.0%
2	160	Room Air Conditioner, 8 kBtu	100.0%
2	161	ENERGY STAR or better Room AC, 8 kBtu	90.0%
2	180	Resistance Space Heating	100.0%
2	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	82.0%
2	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	95.0%
2	183	ENERGY STAR Programmable Thermostat	10.0%
2	184	Ceiling R-0 to R-19 Insulation	100.0%
2	185	Ceiling R-19 to R-38 Insulation	68.0%
2	186	Floor R-0 to R-19 Insulation-Batts	100.0%
2	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	100.0%
2	188	Comprehensive Shell Air Sealing - Inf. Reduction	20.0%
2	189	Duct Testing and Sealing	36.0%
2	190	Duct Insulation (R-3 to R-6)	100.0%
2	191	HVAC Diagnostic Testing, Repair and Maintenance	50.0%
2	192	Windows (high efficiency / ENERGY STAR+)	90.0%
2	193	Addition of Attic and Crawlspace Ventilation	75.0%
2	200	Base Lighting, 0.5 hr/hday	100.0%
2	201	CFL, 0.5 hr/day	97.5%
2	202	CFL Fixtures, 0.5 hr/day	97.5%
2	203	Fluorescent Torchieries, 0.5 hr/day	100.0%
2	210	Base Lighting, 2.5 hr/hday	100.0%
2	211	CFL, 2.5 hr/day	97.5%
2	212	CFL Fixtures, 2.5 hr/day	97.5%
2	213	Fluorescent Torchieries, 2.5 hr/day	100.0%

Seg	Measure #	Measure Description	Incomplete Factor
2	220	Base Lighting, 6.0 hr/hday	100.0%
2	221	CFL, 6.0 hr/day	97.5%
2	222	CFL Fixtures, 6.0 hr/day	97.5%
2	223	Fluorescent Torchieries, 6.0 hr/day	100.0%
2	300	Base Refrigerator, 15 cu.ft.	100.0%
2	301	ENERGY STAR or better Refrigerator	99.9%
2	310	Base Secondary Refrigerator	100.0%
2	311	Removal of Secondary Refrigerator	100.0%
2	400	Base Freezer	100.0%
2	401	ENERGY STAR or better Freezer	99.9%
2	410	Base Secondary Freezer	100.0%
2	411	Removal of Secondary Freezer	100.0%
2	500	Base 40 gal. Water Heating (EF=0.90)	100.0%
2	501	Heat Pump Water Heater (EF=2.9)	99.9%
2	502	High Efficiency Electric Water Heater (EF=0.95)	93.7%
2	503	Solar Water Heater	99.0%
2	504	Low-Flow Showerheads	30.0%
2	505	Hot Water Pipe Insulation	80.0%
2	506	Water Heater Thermostat Setback	100.0%
2	507	Tankless Water Heater (EF=0.98)	100.0%
2	508	Drain Water Heat Recovery (GFX)	100.0%
2	600	Base Clotheswasher (EF=1.18)	100.0%
2	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	97.0%
2	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	97.0%
2	800	Base Dishwasher (EF=0.46)	100.0%
2	801	Energy Star DW (EF=0.58)	91.8%
2	900	Conventional Oven	100.0%
2	901	Convection Oven	100.0%
2	950	Plug Loads	100.0%
2	951	Powerstrip with Occupancy Sensor	100.0%
3	120	Base Heat Pump, 2 ton	100.0%
3	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	82.0%
3	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	95.0%
3	123	ENERGY STAR Programmable Thermostat	65.0%

Seg	Measure #	Measure Description	Incomplete Factor
3	124	Ceiling R-0 to R-19 Insulation	18.0%
3	125	Ceiling R-19 to R-38 Insulation	87.0%
3	126	Floor R-0 to R-19 Insulation-Batts	100.0%
3	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	60.0%
3	128	Comprehensive Shell Air Sealing - Inf. Reduction	40.0%
3	129	Duct Testing and Sealing	72.0%
3	130	Duct Insulation (R-3 to R-6)	100.0%
3	131	HVAC Diagnostic Testing, Repair and Maintenance	50.0%
3	132	Windows (high efficiency / ENERGY STAR+)	90.0%
3	133	Addition of Attic and Crawlspace Ventilation	95.0%
3	160	Room Air Conditioner, 10 kBtu	100.0%
3	161	ENERGY STAR or better Room AC, 10 kBtu	90.0%
3	180	Resistance Space Heating	100.0%
3	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	82.0%
3	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	95.0%
3	183	ENERGY STAR Programmable Thermostat	65.0%
3	184	Ceiling R-0 to R-19 Insulation	18.0%
3	185	Ceiling R-19 to R-38 Insulation	87.0%
3	186	Floor R-0 to R-19 Insulation-Batts	100.0%
3	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	60.0%
3	188	Comprehensive Shell Air Sealing - Inf. Reduction	40.0%
3	189	Duct Testing and Sealing	72.0%
3	190	Duct Insulation (R-3 to R-6)	100.0%
3	191	HVAC Diagnostic Testing, Repair and Maintenance	50.0%
3	192	Windows (high efficiency / ENERGY STAR+)	90.0%
3	193	Addition of Attic and Crawlspace Ventilation	95.0%

Seg	Measure #	Measure Description	Incomplete Factor
3	200	Base Lighting, 0.5 hr/hday	100.0%
3	201	CFL, 0.5 hr/day	97.5%
3	202	CFL Fixtures, 0.5 hr/day	97.5%
3	203	Fluorescent Torchieries, 0.5 hr/day	100.0%
3	210	Base Lighting, 2.5 hr/hday	100.0%
3	211	CFL, 2.5 hr/day	97.5%
3	212	CFL Fixtures, 2.5 hr/day	97.5%
3	213	Fluorescent Torchieries, 2.5 hr/day	100.0%
3	220	Base Lighting, 6.0 hr/hday	100.0%
3	221	CFL, 6.0 hr/day	97.5%
3	222	CFL Fixtures, 6.0 hr/day	97.5%
3	223	Fluorescent Torchieries, 6.0 hr/day	100.0%
3	300	Base Refrigerator, 15 cu.ft.	100.0%
3	301	ENERGY STAR or better Refrigerator	99.9%
3	310	Base Secondary Refrigerator	100.0%
3	311	Removal of Secondary Refrigerator	100.0%
3	400	Base Freezer	100.0%
3	401	ENERGY STAR or better Freezer	99.9%
3	410	Base Secondary Freezer	100.0%
3	411	Removal of Secondary Freezer	100.0%
3	500	Base 40 gal. Water Heating (EF=0.90)	100.0%
3	501	Heat Pump Water Heater (EF=2.9)	99.9%
3	502	High Efficiency Electric Water Heater (EF=0.95)	93.7%
3	503	Solar Water Heater	99.0%
3	504	Low-Flow Showerheads	30.0%
3	505	Hot Water Pipe Insulation	75.0%
3	506	Water Heater Thermostat Setback	100.0%
3	507	Tankless Water Heater (EF=0.98)	100.0%
3	508	Drain Water Heat Recovery (GFX)	100.0%
3	600	Base Clotheswasher (EF=1.18)	100.0%
3	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	97.0%
3	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	97.0%
3	800	Base Dishwasher (EF=0.46)	100.0%
3	801	Energy Star DW (EF=0.58)	91.8%
3	900	Conventional Oven	100.0%
3	901	Convection Oven	100.0%
3	950	Plug Loads	100.0%

Seg	Measure #	Measure Description	Incomplete Factor
3	951	Powerstrip with Occupancy Sensor	100.0%
4	120	Base Heat Pump, 4 ton	100.0%
4	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	82.0%
4	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	95.0%
4	137	Geothermal Heat Pump	100.0%
4	138	ENERGY STAR New Construction	100.0%
4	139	ENERGY STAR New Construction Plus	100.0%
4	160	Room Air Conditioner, 14 kBtu	100.0%
4	161	ENERGY STAR or better Room AC, 14 kBtu	90.0%
4	200	Base Lighting, 0.5 hr/day	100.0%
4	201	CFL, 0.5 hr/day	97.5%
4	202	CFL Fixtures, 0.5 hr/day	97.5%
4	203	Fluorescent Torchieries, 0.5 hr/day	100.0%
4	210	Base Lighting, 2.5 hr/hday	100.0%
4	211	CFL, 2.5 hr/day	97.5%
4	212	CFL Fixtures, 2.5 hr/day	97.5%
4	213	Fluorescent Torchieries, 2.5 hr/day	100.0%
4	220	Base Lighting, 6.0 hr/hday	100.0%
4	221	CFL, 6.0 hr/day	97.5%
4	222	CFL Fixtures, 6.0 hr/day	97.5%
4	223	Fluorescent Torchieries, 6.0 hr/day	100.0%
4	300	Base Refrigerator, 20 cu.ft.	100.0%
4	301	ENERGY STAR or better Refrigerator	99.9%
4	400	Base Freezer	100.0%
4	401	ENERGY STAR or better Freezer	100.0%
4	500	Base 40 gal. Water Heating (EF=0.87)	100.0%
4	501	Heat Pump Water Heater (EF=2.9)	99.9%
4	502	High Efficiency Electric Water Heater (EF=0.95)	93.7%
4	503	Solar Water Heater	99.0%
4	507	Tankless Water Heater (EF=0.98)	100.0%
4	508	Drain Water Heat Recovery (GFX)	100.0%
4	600	Base Clotheswasher (EF=1.18)	100.0%
4	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	95.0%

Seg	Measure #	Measure Description	Incomplete Factor
4	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	95.0%
4	800	Base Dishwasher (EF=0.46)	100.0%
4	801	Energy Star DW (EF=0.58)	95.0%
4	900	Conventional Oven	100.0%
4	901	Convection Oven	100.0%
4	950	Plug Loads	100.0%
4	951	Powerstrip with Occupancy Sensor	100.0%
5	120	Base Exhaust Air Heat Pump, 2 ton	100.0%
5	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	100.0%
5	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	100.0%
5	137	Geothermal Heat Pump	100.0%
5	138	ENERGY STAR New Construction	100.0%
5	139	ENERGY STAR New Construction Plus	100.0%
5	160	Room Air Conditioner, 10 kBtu	100.0%
5	161	ENERGY STAR or better Room AC, 10 kBtu	90.0%
5	200	Base Lighting, 0.5 hr/hday	100.0%
5	201	CFL, 0.5 hr/day	97.5%
5	202	CFL Fixtures, 0.5 hr/day	97.5%
5	203	Fluorescent Torchieries, 0.5 hr/day	100.0%
5	210	Base Lighting, 2.5 hr/hday	100.0%
5	211	CFL, 2.5 hr/day	97.5%
5	212	CFL Fixtures, 2.5 hr/day	97.5%
5	213	Fluorescent Torchieries, 2.5 hr/day	100.0%
5	220	Base Lighting, 6.0 hr/hday	100.0%
5	221	CFL, 6.0 hr/day	97.5%
5	222	CFL Fixtures, 6.0 hr/day	97.5%
5	223	Fluorescent Torchieries, 6.0 hr/day	100.0%
5	300	Base Refrigerator, 15 cu.ft.	100.0%
5	301	ENERGY STAR or better Refrigerator	99.9%
5	400	Base Freezer	100.0%
5	401	ENERGY STAR or better Freezer	100.0%
5	500	Base 40 gal. Water Heating (EF=0.90)	100.0%
5	501	Heat Pump Water Heater (EF=2.9)	99.9%
5	502	High Efficiency Electric Water Heater (EF=0.95)	93.7%

Seg	Measure #	Measure Description	Incomplete Factor
5	503	Solar Water Heater	99.0%
5	507	Tankless Water Heater (EF=0.98)	100.0%
5	508	Drain Water Heat Recovery (GFX)	100.0%
5	600	Base Clotheswasher (EF=1.18)	100.0%
5	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	97.0%
5	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	97.0%
5	800	Base Dishwasher (EF=0.46)	100.0%
5	801	Energy Star DW (EF=0.58)	91.8%
5	900	Conventional Oven	100.0%
5	901	Convection Oven	100.0%
5	950	Plug Loads	100.0%
5	951	Powerstrip with Occupancy Sensor	100.0%
6	120	Base Heat Pump, 3 ton	100.0%
6	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	82.0%
6	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	95.0%
6	138	Super Good Cents / ENERGY STAR New Man. Housing	100.0%
6	139	Super Good Cents / ENERGY STAR New Man. Housing Plus	100.0%
6	160	Room Air Conditioner, 10 kBtu	100.0%
6	161	ENERGY STAR or better Room AC, 10 kBtu	90.0%
6	200	Base Lighting, 0.5 hr/hday	100.0%
6	201	CFL, 0.5 hr/day	97.5%
6	202	CFL Fixtures, 0.5 hr/day	97.5%
6	203	Fluorescent Torchieries, 0.5 hr/day	100.0%
6	210	Base Lighting, 2.5 hr/hday	100.0%
6	211	CFL, 2.5 hr/day	97.5%
6	212	CFL Fixtures, 2.5 hr/day	97.5%
6	213	Fluorescent Torchieries, 2.5 hr/day	100.0%
6	220	Base Lighting, 6.0 hr/hday	100.0%
6	221	CFL, 6.0 hr/day	97.5%
6	222	CFL Fixtures, 6.0 hr/day	97.5%
6	223	Fluorescent Torchieries, 6.0 hr/day	100.0%
6	300	Base Refrigerator, 15 cu.ft.	100.0%
6	301	ENERGY STAR or better Refrigerator	99.9%

Seg	Measure #	Measure Description	Incomplete Factor
6	400	Base Freezer	100.0%
6	401	ENERGY STAR or better Freezer	100.0%
6	500	Base 40 gal. Water Heating (EF=0.90)	100.0%
6	501	Heat Pump Water Heater (EF=2.9)	99.9%
6	502	High Efficiency Electric Water Heater (EF=0.95)	93.7%
6	503	Solar Water Heater	99.0%
6	507	Tankless Water Heater (EF=0.98)	100.0%
6	508	Drain Water Heat Recovery (GFX)	100.0%
6	600	Base Clotheswasher (EF=1.18)	100.0%
6	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	97.0%
6	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	97.0%
6	800	Base Dishwasher (EF=0.46)	100.0%
6	801	Energy Star DW (EF=0.58)	91.8%
6	900	Conventional Oven	100.0%
6	901	Convection Oven	100.0%
6	950	Plug Loads	100.0%
6	951	Powerstrip with Occupancy Sensor	100.0%

Technology Saturation (units/dwelling)

Seg	Measure #	A.1.2 Measure Description	Tech Saturation
1	120	Base Heat Pump, 3 ton	1.0
1	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	1.0
1	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	1.0
1	123	ENERGY STAR Programmable Thermostat	1.0
1	124	Ceiling R-0 to R-19 Insulation	945.0
1	125	Ceiling R-19 to R-38 Insulation	945.0
1	126	Floor R-0 to R-19 Insulation-Batts	1,350.0
1	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	1,011.0
1	128	Comprehensive Shell Air Sealing - Inf. Reduction	1.0

Seg	Measure #	A.1.2 Measure Description	Tech Saturation
1	129	Duct Testing and Sealing	1.0
1	130	Duct Insulation (R-3 to R-6)	1.0
1	131	HVAC Diagnostic Testing, Repair and Maintenance	1.0
1	132	Windows (high efficiency / ENERGY STAR+)	149.0
1	133	Addition of Attic and Crawlspace Ventilation	1.0
1	160	Room Air Conditioner, 12 kBtu, 9 EER	1.0
1	161	ENERGY STAR or better Room AC, 12 kBtu, 11+ EER	1.0
1	180	Resistance Space Heating	1.0
1	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	1.0
1	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	1.0
1	183	ENERGY STAR Programmable Thermostat	1.0
1	184	Ceiling R-0 to R-19 Insulation	945.0
1	185	Ceiling R-19 to R-38 Insulation	945.0
1	186	Floor R-0 to R-19 Insulation-Batts	1,350.0
1	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	1,011.0
1	188	Comprehensive Shell Air Sealing - Inf. Reduction	1.0
1	189	Duct Testing and Sealing	1.0
1	190	Duct Insulation (R-3 to R-6)	1.0
1	191	HVAC Diagnostic Testing, Repair and Maintenance	1.0
1	192	Windows (high efficiency / ENERGY STAR+)	149.0
1	193	Addition of Attic and Crawlspace Ventilation	1.0
1	200	Base Lighting, 0.5 hr/hday	11.6
1	201	CFL, 0.5 hr/day	11.6
1	202	CFL Fixtures, 0.5 hr/day	11.6
1	203	Fluorescent Torchieries, 0.5 hr/day	11.6
1	210	Base Lighting, 2.5 hr/hday	20.6

Seg	Measure #	A.1.2 Measure Description	Tech Saturation
1	211	CFL, 2.5 hr/day	20.6
1	212	CFL Fixtures, 2.5 hr/day	20.6
1	213	Fluorescent Torchieries, 2.5 hr/day	20.6
1	220	Base Lighting, 6.0 hr/hday	4.6
1	221	CFL, 6.0 hr/day	4.6
1	222	CFL Fixtures, 6.0 hr/day	4.6
1	223	Fluorescent Torchieries, 6.0 hr/day	4.6
1	300	Base Refrigerator, 20 cu.ft.	1.0
1	301	ENERGY STAR or better Refrigerator	1.0
1	310	Base Secondary Refrigerator	1.0
1	311	Removal of Secondary Refrigerator	1.0
1	400	Base Freezer	1.0
1	401	ENERGY STAR or better Freezer	1.0
1	410	Base Secondary Freezer	1.0
1	411	Removal of Secondary Freezer	1.0
1	500	Base 40 gal. Water Heating (EF=0.90)	1.0
1	501	Heat Pump Water Heater (EF=2.9)	1.0
1	502	High Efficiency Electric Water Heater (EF=0.95)	1.0
1	503	Solar Water Heater	1.0
1	504	Low-Flow Showerheads	1.0
1	505	Hot Water Pipe Insulation	1.0
1	506	Water Heater Thermostat Setback	1.0
1	507	Tankless Water Heater (EF=0.98)	1.0
1	508	Drain Water Heat Recovery (GFX)	1.0
1	600	Base Clotheswasher (EF=1.18)	1.0
1	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	1.0
1	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	1.0
1	800	Base Dishwasher (EF=0.46)	1.0
1	801	Energy Star DW (EF=0.58)	1.0
1	900	Conventional Oven	1.0
1	901	Convection Oven	1.0
1	950	Plug Loads	1.0
1	951	Powerstrip with Occupancy Sensor	1.0
2	120	Base Exhaust Air Heat Pump, 2 ton	1.0

Seg	Measure #	A.1.2 Measure Description	Tech Saturation
2	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	1.0
2	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	1.0
2	123	ENERGY STAR Programmable Thermostat	1.0
2	124	Ceiling R-0 to R-19 Insulation	520.0
2	125	Ceiling R-19 to R-38 Insulation	520.0
2	126	Floor R-0 to R-19 Insulation-Batts	520.0
2	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	465.6
2	128	Comprehensive Shell Air Sealing - Inf. Reduction	1.0
2	129	Duct Testing and Sealing	1.0
2	130	Duct Insulation (R-3 to R-6)	1.0
2	131	HVAC Diagnostic Testing, Repair and Maintenance	1.0
2	132	Windows (high efficiency / ENERGY STAR+)	54.3
2	133	Addition of Attic and Crawlspace Ventilation	1.0
2	160	Room Air Conditioner, 8 kBtu	1.0
2	161	ENERGY STAR or better Room AC, 8 kBtu	1.0
2	180	Resistance Space Heating	1.0
2	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	1.0
2	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	1.0
2	183	ENERGY STAR Programmable Thermostat	1.0
2	184	Ceiling R-0 to R-19 Insulation	520.0
2	185	Ceiling R-19 to R-38 Insulation	520.0
2	186	Floor R-0 to R-19 Insulation-Batts	520.0
2	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	465.6
2	188	Comprehensive Shell Air Sealing - Inf. Reduction	1.0

Seg	Measure #	A.1.2 Measure Description	Tech Saturation
2	189	Duct Testing and Sealing	1.0
2	190	Duct Insulation (R-3 to R-6)	1.0
2	191	HVAC Diagnostic Testing, Repair and Maintenance	1.0
2	192	Windows (high efficiency / ENERGY STAR+)	54.3
2	193	Addition of Attic and Crawlspace Ventilation	1.0
2	200	Base Lighting, 0.5 hr/hday	5.4
2	201	CFL, 0.5 hr/day	5.4
2	202	CFL Fixtures, 0.5 hr/day	5.4
2	203	Fluorescent Torchieries, 0.5 hr/day	5.4
2	210	Base Lighting, 2.5 hr/hday	9.6
2	211	CFL, 2.5 hr/day	9.6
2	212	CFL Fixtures, 2.5 hr/day	9.6
2	213	Fluorescent Torchieries, 2.5 hr/day	9.6
2	220	Base Lighting, 6.0 hr/hday	2.2
2	221	CFL, 6.0 hr/day	2.2
2	222	CFL Fixtures, 6.0 hr/day	2.2
2	223	Fluorescent Torchieries, 6.0 hr/day	2.2
2	300	Base Refrigerator, 15 cu.ft.	1.0
2	301	ENERGY STAR or better Refrigerator	1.0
2	310	Base Secondary Refrigerator	1.0
2	311	Removal of Secondary Refrigerator	1.0
2	400	Base Freezer	1.0
2	401	ENERGY STAR or better Freezer	1.0
2	410	Base Secondary Freezer	1.0
2	411	Removal of Secondary Freezer	1.0
2	500	Base 40 gal. Water Heating (EF=0.90)	1.0
2	501	Heat Pump Water Heater (EF=2.9)	1.0
2	502	High Efficiency Electric Water Heater (EF=0.95)	1.0
2	503	Solar Water Heater	1.0
2	504	Low-Flow Showerheads	1.0
2	505	Hot Water Pipe Insulation	1.0
2	506	Water Heater Thermosat Setback	1.0
2	507	Tankless Water Heater (EF=0.98)	1.0

Seg	Measure #	A.1.2 Measure Description	Tech Saturation
2	508	Drain Water Heat Recovery (GFX)	1.0
2	600	Base Clotheswasher (EF=1.18)	1.0
2	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	1.0
2	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	1.0
2	800	Base Dishwasher (EF=0.46)	1.0
2	801	Energy Star DW (EF=0.58)	1.0
2	900	Conventional Oven	1.0
2	901	Convection Oven	1.0
2	950	Plug Loads	1.0
2	951	Powerstrip with Occupancy Sensor	1.0
3	120	Base Heat Pump, 2 ton	1.0
3	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	1.0
3	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	1.0
3	123	ENERGY STAR Programmable Thermostat	1.0
3	124	Ceiling R-0 to R-19 Insulation	730.0
3	125	Ceiling R-19 to R-38 Insulation	730.0
3	126	Floor R-0 to R-19 Insulation-Batts	730.0
3	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	828.0
3	128	Comprehensive Shell Air Sealing - Inf. Reduction	1.0
3	129	Duct Testing and Sealing	1.0
3	130	Duct Insulation (R-3 to R-6)	1.0
3	131	HVAC Diagnostic Testing, Repair and Maintenance	1.0
3	132	Windows (high efficiency / ENERGY STAR+)	91.6
3	133	Addition of Attic and Crawlspace Ventilation	1.0
3	160	Room Air Conditioner, 10 kBtu	1.0
3	161	ENERGY STAR or better Room AC, 10 kBtu	1.0
3	180	Resistance Space Heating	1.0

Seg	Measure #	A.1.2 Measure Description	Tech Saturation
3	181	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	1.0
3	182	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	1.0
3	183	ENERGY STAR Programmable Thermostat	1.0
3	184	Ceiling R-0 to R-19 Insulation	730.0
3	185	Ceiling R-19 to R-38 Insulation	730.0
3	186	Floor R-0 to R-19 Insulation-Batts	730.0
3	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	828.0
3	188	Comprehensive Shell Air Sealing - Inf. Reduction	1.0
3	189	Duct Testing and Sealing	1.0
3	190	Duct Insulation (R-3 to R-6)	1.0
3	191	HVAC Diagnostic Testing, Repair and Maintenance	1.0
3	192	Windows (high efficiency / ENERGY STAR+)	91.6
3	193	Addition of Attic and Crawlspace Ventilation	1.0
3	200	Base Lighting, 0.5 hr/hday	8.4
3	201	CFL, 0.5 hr/day	8.4
3	202	CFL Fixtures, 0.5 hr/day	8.4
3	203	Fluorescent Torchieries, 0.5 hr/day	8.4
3	210	Base Lighting, 2.5 hr/hday	14.9
3	211	CFL, 2.5 hr/day	14.9
3	212	CFL Fixtures, 2.5 hr/day	14.9
3	213	Fluorescent Torchieries, 2.5 hr/day	14.9
3	220	Base Lighting, 6.0 hr/hday	3.4
3	221	CFL, 6.0 hr/day	3.4
3	222	CFL Fixtures, 6.0 hr/day	3.4
3	223	Fluorescent Torchieries, 6.0 hr/day	3.4
3	300	Base Refrigerator, 15 cu.ft.	1.0
3	301	ENERGY STAR or better Refrigerator	1.0
3	310	Base Secondary Refrigerator	1.0
3	311	Removal of Secondary Refrigerator	1.0

Seg	Measure #	A.1.2 Measure Description	Tech Saturation
3	400	Base Freezer	1.0
3	401	ENERGY STAR or better Freezer	1.0
3	410	Base Secondary Freezer	1.0
3	411	Removal of Secondary Freezer	1.0
3	500	Base 40 gal. Water Heating (EF=0.90)	1.0
3	501	Heat Pump Water Heater (EF=2.9)	1.0
3	502	High Efficiency Electric Water Heater (EF=0.95)	1.0
3	503	Solar Water Heater	1.0
3	504	Low-Flow Showerheads	1.0
3	505	Hot Water Pipe Insulation	1.0
3	506	Water Heater Thermostat Setback	1.0
3	507	Tankless Water Heater (EF=0.98)	1.0
3	508	Drain Water Heat Recovery (GFX)	1.0
3	600	Base Clotheswasher (EF=1.18)	1.0
3	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	1.0
3	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	1.0
3	800	Base Dishwasher (EF=0.46)	1.0
3	801	Energy Star DW (EF=0.58)	1.0
3	900	Conventional Oven	1.0
3	901	Convection Oven	1.0
3	950	Plug Loads	1.0
3	951	Powerstrip with Occupancy Sensor	1.0
4	120	Base Heat Pump, 4 ton	1.0
4	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	1.0
4	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	1.0
4	137	Geothermal Heat Pump	1.0
4	138	ENERGY STAR New Construction	1.0
4	139	ENERGY STAR New Construction Plus	1.0
4	160	Room Air Conditioner, 14 kBtu	1.0
4	161	ENERGY STAR or better Room AC, 14 kBtu	1.0

Seg	Measure #	A.1.2 Measure Description	Tech Saturation
4	200	Base Lighting, 0.5 hr/hday	11.6
4	201	CFL, 0.5 hr/day	11.6
4	202	CFL Fixtures, 0.5 hr/day	11.6
4	203	Fluorescent Torchieries, 0.5 hr/day	11.6
4	210	Base Lighting, 2.5 hr/hday	20.6
4	211	CFL, 2.5 hr/day	20.6
4	212	CFL Fixtures, 2.5 hr/day	20.6
4	213	Fluorescent Torchieries, 2.5 hr/day	20.6
4	220	Base Lighting, 6.0 hr/hday	4.6
4	221	CFL, 6.0 hr/day	4.6
4	222	CFL Fixtures, 6.0 hr/day	4.6
4	223	Fluorescent Torchieries, 6.0 hr/day	4.6
4	300	Base Refrigerator, 20 cu.ft.	1.0
4	301	ENERGY STAR or better Refrigerator	1.0
4	400	Base Freezer	1.0
4	401	ENERGY STAR or better Freezer	1.0
4	500	Base 40 gal. Water Heating (EF=0.88)	1.0
4	501	Heat Pump Water Heater (EF=2.9)	1.0
4	502	High Efficiency Electric Water Heater (EF=0.95)	1.0
4	503	Solar Water Heater	1.0
4	507	Tankless Water Heater (EF=0.98)	1.0
4	508	Drain Water Heat Recovery (GFX)	1.0
4	600	Base Clotheswasher (EF=1.18)	1.0
4	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	1.0
4	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	1.0
4	800	Base Dishwasher (EF=0.46)	1.0
4	801	Energy Star DW (EF=0.58)	1.0
4	900	Conventional Oven	1.0
4	901	Convection Oven	1.0
4	950	Plug Loads	1.0
4	951	Powerstrip with Occupancy Sensor	1.0
5	120	Base Exhaust Air Heat Pump, 2 ton	1.0
5	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	1.0

Seg	Measure #	A.1.2 Measure Description	Tech Saturation
5	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	1.0
5	137	Geothermal Heat Pump	1.0
5	138	ENERGY STAR New Construction	1.0
5	139	ENERGY STAR New Construction Plus	1.0
5	160	Room Air Conditioner, 10 kBtu	1.0
5	161	ENERGY STAR or better Room AC, 10 kBtu	1.0
5	200	Base Lighting, 0.5 hr/hday	5.4
5	201	CFL, 0.5 hr/day	5.4
5	202	CFL Fixtures, 0.5 hr/day	5.4
5	203	Fluorescent Torchieries, 0.5 hr/day	5.4
5	210	Base Lighting, 2.5 hr/hday	9.6
5	211	CFL, 2.5 hr/day	9.6
5	212	CFL Fixtures, 2.5 hr/day	9.6
5	213	Fluorescent Torchieries, 2.5 hr/day	9.6
5	220	Base Lighting, 6.0 hr/hday	2.2
5	221	CFL, 6.0 hr/day	2.2
5	222	CFL Fixtures, 6.0 hr/day	2.2
5	223	Fluorescent Torchieries, 6.0 hr/day	2.2
5	300	Base Refrigerator, 15 cu.ft.	1.0
5	301	ENERGY STAR or better Refrigerator	1.0
5	400	Base Freezer	1.0
5	401	ENERGY STAR or better Freezer	1.0
5	500	Base 40 gal. Water Heating (EF=0.90)	1.0
5	501	Heat Pump Water Heater (EF=2.9)	1.0
5	502	High Efficiency Electric Water Heater (EF=0.95)	1.0
5	503	Solar Water Heater	1.0
5	507	Tankless Water Heater (EF=0.98)	1.0
5	508	Drain Water Heat Recovery (GFX)	1.0
5	600	Base Clotheswasher (EF=1.18)	1.0
5	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	1.0
5	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	1.0

Seg	Measure #	A.1.2 Measure Description	Tech Saturation
5	800	Base Dishwasher (EF=0.46)	1.0
5	801	Energy Star DW (EF=0.58)	1.0
5	900	Conventional Oven	1.0
5	901	Convection Oven	1.0
5	950	Plug Loads	1.0
5	951	Powerstrip with Occupancy Sensor	1.0
6	120	Base Heat Pump, 3 ton	1.0
6	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	1.0
6	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	1.0
6	138	Super Good Cents / ENERGY STAR New Man. Housing	1.0
6	139	Super Good Cents / ENERGY STAR New Man. Housing Plus	1.0
6	160	Room Air Conditioner, 10 kBtu	1.0
6	161	ENERGY STAR or better Room AC, 10 kBtu	1.0
6	200	Base Lighting, 0.5 hr/hday	8.4
6	201	CFL, 0.5 hr/day	8.4
6	202	CFL Fixtures, 0.5 hr/day	8.4
6	203	Fluorescent Torchieries, 0.5 hr/day	8.4
6	210	Base Lighting, 2.5 hr/hday	14.9
6	211	CFL, 2.5 hr/day	14.9
6	212	CFL Fixtures, 2.5 hr/day	14.9
6	213	Fluorescent Torchieries, 2.5 hr/day	14.9
6	220	Base Lighting, 6.0 hr/hday	3.4
6	221	CFL, 6.0 hr/day	3.4
6	222	CFL Fixtures, 6.0 hr/day	3.4
6	223	Fluorescent Torchieries, 6.0 hr/day	3.4
6	300	Base Refrigerator, 15 cu.ft.	1.0
6	301	ENERGY STAR or better Refrigerator	1.0
6	400	Base Freezer	1.0
6	401	ENERGY STAR or better Freezer	1.0
6	500	Base 40 gal. Water Heating (EF=0.90)	1.0
6	501	Heat Pump Water Heater (EF=2.9)	1.0

Seg	Measure #	A.1.2 Measure Description	Tech Saturation
6	502	High Efficiency Electric Water Heater (EF=0.95)	1.0
6	503	Solar Water Heater	1.0
6	507	Tankless Water Heater (EF=0.98)	1.0
6	508	Drain Water Heat Recovery (GFX)	1.0
6	600	Base Clotheswasher (EF=1.18)	1.0
6	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	1.0
6	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	1.0
6	800	Base Dishwasher (EF=0.46)	1.0
6	801	Energy Star DW (EF=0.58)	1.0
6	900	Conventional Oven	1.0
6	901	Convection Oven	1.0
6	950	Plug Loads	1.0
6	951	Powerstrip with Occupancy Sensor	1.0

Lighting (Hours/Year)

Seg	Measure #	Measure Description	Hrs./Year
1	120	Base Heat Pump, 3 ton	
1	121	ENERGY STAR or better Air Source Heat Pump (HSPF=7.6; SEER=12)	
1	122	ENERGY STAR or better Air Source Heat Pump (HSPF=8.0; SEER=13)	
1	123	ENERGY STAR Programmable Thermostat	
1	124	Ceiling R-0 to R-19 Insulation	
1	125	Ceiling R-19 to R-38 Insulation	
1	126	Floor R-0 to R-19 Insulation-Batts	
1	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	
1	128	Comprehensive Shell Air Sealing - Inf. Reduction	
1	129	Duct Testing and Sealing	
1	130	Duct Insulation (R-3 to R-6)	

Seg	Measure #	Measure Description	Hrs./Year
1	131	HVAC Diagnostic Testing, Repair and Maintenance	
1	132	Windows (high efficiency / ENERGY STAR+)	
1	133	Addition of Attic and Crawlspace Ventilation	
1	160	Room Air Conditioner, 12 kBtu, 9 EER	
1	161	ENERGY STAR or better Room AC, 12 kBtu, 11+ EER	
1	180	Resistance Space Heating	
1	200	Base Lighting, 0.5 hr/hday	183
1	201	CFL, 0.5 hr/day	183
1	202	CFL Fixtures, 0.5 hr/day	183
1	203	Fluorescent Torchieries, 0.5 hr/day	183
1	210	Base Lighting, 2.5 hr/hday	913
1	211	CFL, 2.5 hr/day	913
1	212	CFL Fixtures, 2.5 hr/day	913
1	213	Fluorescent Torchieries, 2.5 hr/day	913
1	220	Base Lighting, 6.0 hr/hday	2,190
1	221	CFL, 6.0 hr/day	2,190
1	222	CFL Fixtures, 6.0 hr/day	2,190
1	223	Fluorescent Torchieries, 6.0 hr/day	2,190
2	200	Base Lighting, 0.5 hr/hday	183
2	201	CFL, 0.5 hr/day	183
2	202	CFL Fixtures, 0.5 hr/day	183
2	203	Fluorescent Torchieries, 0.5 hr/day	183
2	210	Base Lighting, 2.5 hr/hday	913
2	211	CFL, 2.5 hr/day	913
2	212	CFL Fixtures, 2.5 hr/day	913
2	213	Fluorescent Torchieries, 2.5 hr/day	913
2	220	Base Lighting, 6.0 hr/hday	2,190
2	221	CFL, 6.0 hr/day	2,190
2	222	CFL Fixtures, 6.0 hr/day	2,190
2	223	Fluorescent Torchieries, 6.0 hr/day	2,190
3	200	Base Lighting, 0.5 hr/hday	183
3	201	CFL, 0.5 hr/day	183
3	202	CFL Fixtures, 0.5 hr/day	183
3	203	Fluorescent Torchieries, 0.5 hr/day	183

Seg	Measure #	Measure Description	Hrs./Year
3	210	Base Lighting, 2.5 hr/hday	913
3	211	CFL, 2.5 hr/day	913
3	212	CFL Fixtures, 2.5 hr/day	913
3	213	Fluorescent Torchieries, 2.5 hr/day	913
3	220	Base Lighting, 6.0 hr/hday	2,190
3	221	CFL, 6.0 hr/day	2,190
3	222	CFL Fixtures, 6.0 hr/day	2,190
3	223	Fluorescent Torchieries, 6.0 hr/day	2,190
4	200	Base Lighting, 0.5 hr/hday	183
4	201	CFL, 0.5 hr/day	183
4	202	CFL Fixtures, 0.5 hr/day	183
4	203	Fluorescent Torchieries, 0.5 hr/day	183
4	210	Base Lighting, 2.5 hr/hday	913
4	211	CFL, 2.5 hr/day	913
4	212	CFL Fixtures, 2.5 hr/day	913
4	213	Fluorescent Torchieries, 2.5 hr/day	913
4	220	Base Lighting, 6.0 hr/hday	2,190
4	221	CFL, 6.0 hr/day	2,190
4	222	CFL Fixtures, 6.0 hr/day	2,190
4	223	Fluorescent Torchieries, 6.0 hr/day	2,190
5	200	Base Lighting, 0.5 hr/hday	183
5	201	CFL, 0.5 hr/day	183
5	202	CFL Fixtures, 0.5 hr/day	183
5	203	Fluorescent Torchieries, 0.5 hr/day	183
5	210	Base Lighting, 2.5 hr/hday	913
5	211	CFL, 2.5 hr/day	913
5	212	CFL Fixtures, 2.5 hr/day	913
5	213	Fluorescent Torchieries, 2.5 hr/day	913
5	220	Base Lighting, 6.0 hr/hday	2,190
5	221	CFL, 6.0 hr/day	2,190
5	222	CFL Fixtures, 6.0 hr/day	2,190
5	223	Fluorescent Torchieries, 6.0 hr/day	2,190
6	200	Base Lighting, 0.5 hr/hday	183
6	201	CFL, 0.5 hr/day	183
6	202	CFL Fixtures, 0.5 hr/day	183
6	203	Fluorescent Torchieries, 0.5 hr/day	183
6	210	Base Lighting, 2.5 hr/hday	913

Seg	Measure #	Measure Description	Hrs./Year
6	211	CFL, 2.5 hr/day	913
6	212	CFL Fixtures, 2.5 hr/day	913
6	213	Fluorescent Torchieries, 2.5 hr/day	913
6	220	Base Lighting, 6.0 hr/hday	2,190
6	221	CFL, 6.0 hr/day	2,190
6	222	CFL Fixtures, 6.0 hr/day	2,190
6	223	Fluorescent Torchieries, 6.0 hr/day	2,190

Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
1	120	Base Heat Pump, 3 ton	PSE Electric Existing	265.32	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
1	131	HVAC Diagnostic Testing, Repair and Maintenance	PSE Electric Existing	222.25	43.08	43.08	16%	\$0.014	\$0.016	HVAC	Level A	Level A
1	123	ENERGY STAR Programmable Thermostat (Electronic w/ Adaptive Recovery)	PSE Electric Existing	216.75	5.50	48.58	18%	\$0.048	\$0.055	HVAC	Level C	Level C
1	133	Addition of Attic and Crawlspace Ventilation	PSE Electric Existing	208.41	8.34	56.91	21%	\$0.033	\$0.038	HVAC	Level B	Level B
1	124	Ceiling R-0 to R-19 Insulation	PSE Electric Existing	200.79	7.63	64.54	24%	\$0.066	\$0.076	HVAC	Level D	Level D
1	122	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=13)	PSE Electric Existing	182.49	18.29	82.83	31%	\$0.069	\$0.079	HVAC	Level D	Level D
1	121	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=12)	PSE Electric Existing	171.74	10.75	93.58	35%	\$0.082	\$0.094	HVAC	Level D	Level E
1	130	Duct Insulation (R-3 to R-6)	PSE Electric Existing	169.77	1.97	95.55	36%	\$0.107	\$0.123	HVAC	Level E	Level F
1	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	PSE Electric Existing	161.57	8.21	103.76	39%	\$0.152	\$0.175	HVAC	Level F	Level F
1	126	Floor R-0 to R-19 Insulation-Batts	PSE Electric Existing	152.63	8.93	112.69	42%	\$0.165	\$0.189	HVAC	Level F	Level F

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RESIDENTIAL ELECTRIC RESULTS AND DATA INPUTS

Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
1	129	Duct Testing and Sealing	PSE Electric Existing	148.14	4.50	117.19	44%	\$0.303	\$0.348	HVAC	Level F	Level F
1	125	Ceiling R-19 to R-38 Insulation	PSE Electric Existing	144.53	3.61	120.80	46%	\$0.333	\$0.384	HVAC	Level F	Level F
1	128	Comprehensive Shell Air Sealing - Inf. Reduction	PSE Electric Existing	141.10	3.43	124.22	47%	\$0.672	\$0.773	HVAC	Level F	Level F
1	132	Windows (high efficiency / ENERGY STAR+)	PSE Electric Existing	124.73	16.37	140.60	53%	\$0.660	\$0.758	HVAC	Level F	Level F
1	160	Base Room Air Conditioner, 12 kBtu, 9 EER	PSE Electric Existing	13.43	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
1	161	ENERGY STAR or better Room AC, 12 kBtu, 11+ EER	PSE Electric Existing	12.21	1.22	1.22	9%	\$0.663	\$0.763	HVAC	Level F	Level F
1	180	Base Resistance Space Heating	PSE Electric Existing	486.12	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
1	191	HVAC Diagnostic Testing, Repair and Maintenance	PSE Electric Existing	407.19	78.93	78.93	16%	\$0.021	\$0.024	HVAC	Level A	Level A
1	183	ENERGY STAR Programmable Thermostat (Electronic w/ Adaptive Recovery)	PSE Electric Existing	397.12	10.07	89.00	18%	\$0.070	\$0.081	HVAC	Level D	Level D
1	193	Addition of Attic and Crawlspace Ventilation	PSE Electric Existing	381.84	15.27	104.28	21%	\$0.048	\$0.055	HVAC	Level C	Level C
1	184	Ceiling R-0 to R-19 Insulation	PSE Electric Existing	367.87	13.97	118.25	24%	\$0.097	\$0.111	HVAC	Level E	Level F

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RESIDENTIAL ELECTRIC RESULTS AND DATA INPUTS

Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWh Technical Potential	Marginal Energy Cost \$/kWh Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
1	190	Duct Insulation (R-3 to R-6)	PSE Electric Existing	363.65	4.22	122.47	25%	\$0.133	\$0.153	HVAC	Level F	Level F
1	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	PSE Electric Existing	346.07	17.58	140.05	29%	\$0.190	\$0.219	HVAC	Level F	Level F
1	186	Floor R-0 to R-19 Insulation-Batts	PSE Electric Existing	326.94	19.13	159.18	33%	\$0.206	\$0.237	HVAC	Level F	Level F
1	189	Duct Testing and Sealing	PSE Electric Existing	317.31	9.63	168.81	35%	\$0.378	\$0.435	HVAC	Level F	Level F
1	185	Ceiling R-19 to R-38 Insulation	PSE Electric Existing	309.57	7.73	176.54	36%	\$0.417	\$0.479	HVAC	Level F	Level F
1	182	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=13)	PSE Electric Existing	281.37	28.21	204.75	42%	\$0.261	\$0.300	HVAC	Level F	Level F
1	188	Comprehensive Shell Air Sealing - Inf. Reduction	PSE Electric Existing	274.70	6.67	211.42	43%	\$0.924	\$1.062	HVAC	Level F	Level F
1	181	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=12)	PSE Electric Existing	258.52	16.18	227.60	47%	\$0.359	\$0.413	HVAC	Level F	Level F
1	192	Windows (high efficiency / ENERGY STAR+)	PSE Electric Existing	228.52	30.00	257.60	53%	\$0.963	\$1.108	HVAC	Level F	Level F
1	200	Base Lighting, 0.5 hr/hday	PSE Electric Existing	95.40	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
1	201	CFL, 0.5 hr/day	PSE Electric Existing	40.09	55.31	55.31	58%	\$0.098	\$0.113	Lighting	Level E	Level F
1	203	Fluorescent Torchieries, 0.5 hr/day	PSE Electric Existing	38.78	1.30	56.61	59%	\$1.216	\$1.399	Lighting	Level F	Level F

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
1	202	CFL Fixtures, 0.5 hr/day	PSE Electric Existing	37.53	1.25	57.86	61%	\$0.939	\$1.080	Lighting	Level F	Level F
1	210	Base Lighting, 2.5 hr/hday	PSE Electric Existing	848.14	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
1	211	CFL, 2.5 hr/day	PSE Electric Existing	356.39	491.75	491.75	58%	\$0.020	\$0.023	Lighting	Level A	Level A
1	213	Fluorescent Torchieries, 2.5 hr/day	PSE Electric Existing	344.81	11.58	503.33	59%	\$0.243	\$0.280	Lighting	Level F	Level F
1	212	CFL Fixtures, 2.5 hr/day	PSE Electric Existing	333.70	11.11	514.44	61%	\$0.188	\$0.216	Lighting	Level F	Level F
1	220	Base Lighting, 6.0 hr/hday	PSE Electric Existing	460.11	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
1	221	CFL, 6.0 hr/day	PSE Electric Existing	193.34	266.77	266.77	58%	\$0.011	\$0.013	Lighting	Level A	Level A
1	223	Fluorescent Torchieries, 6.0 hr/day	PSE Electric Existing	187.06	6.28	273.06	59%	\$0.137	\$0.157	Lighting	Level F	Level F
1	222	CFL Fixtures, 6.0 hr/day	PSE Electric Existing	181.03	6.03	279.08	61%	\$0.093	\$0.107	Lighting	Level E	Level E
1	300	Base Refrigerator, 20 cu.ft.	PSE Electric Existing	560.94	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
1	301	ENERGY STAR or better Refrigerator	PSE Electric Existing	476.87	84.07	84.07	15%	\$0.066	\$0.075	Appliances	Level D	Level D
1	310	Base Secondary Refrigerator	PSE Electric Existing	661.14	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
1	311	Removal of Secondary Refrigerator	PSE Electric Existing	561.97	99.17	99.17	15%	\$0.040	\$0.045	Appliances	Level B	Level C
1	400	Base Freezer	PSE Electric Existing	240.17	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
1	401	ENERGY STAR or better Freezer	PSE Electric Existing	216.17	24.00	24.00	10%	\$0.064	\$0.074	Appliances	Level D	Level D
1	410	Base Secondary Freezer	PSE Electric Existing	628.09	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
1	411	Removal of Secondary Freezer	PSE Electric Existing	586.53	41.56	41.56	7%	\$0.042	\$0.048	Appliances	Level B	Level C
1	500	Base 40 gal. Water Heating (EF=0.88)	PSE Electric Existing	1,055.75	0.00	0.00	0%	N/A	\$0.000	Water Heat	N/A	N/A
1	504	Low-Flow Showerheads	PSE Electric Existing	1,021.16	34.58	34.58	3%	\$0.008	\$0.009	Water Heat	Level A	Level A
1	505	Hot Water Pipe Insulation	PSE Electric Existing	1,014.70	6.47	41.05	4%	\$0.019	\$0.021	Water Heat	Level A	Level A
1	508	Drain Water Heat Recovery (GFX)	PSE Electric Existing	927.33	87.37	128.42	12%	\$0.055	\$0.064	Water Heat	Level C	Level D
1	506	Water Heater Thermostat Setback	PSE Electric Existing	887.87	39.46	167.88	16%	\$0.061	\$0.070	Water Heat	Level D	Level D
1	501	Heat Pump Water Heater (EF=2.9)	PSE Electric Existing	640.57	247.30	415.18	39%	\$0.097	\$0.112	Water Heat	Level E	Level F
1	503	Solar Water Heater	PSE Electric Existing	582.97	57.59	472.77	45%	\$0.166	\$0.191	Water Heat	Level F	Level F

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RESIDENTIAL ELECTRIC RESULTS AND DATA INPUTS

Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
1	502	HE Water Heater (EF=0.93)	PSE Electric Existing	571.19	11.79	484.56	46%	\$0.252	\$0.290	Water Heat	Level F	Level F
1	507	Tankless Water Heater (EF=0.98)	PSE Electric Existing	565.36	5.83	490.39	46%	\$0.534	\$0.614	Water Heat	Level F	Level F
1	600	Base Clotheswasher (EF=1.18)	PSE Electric Existing	1,238.75	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
1	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	PSE Electric Existing	1,148.17	90.57	90.57	7%	\$0.068	\$0.078	Appliances	Level D	Level D
1	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	PSE Electric Existing	1,079.00	69.17	159.74	13%	\$0.071	\$0.082	Appliances	Level D	Level D
1	800	Base Dishwasher (EF=0.46)	PSE Electric Existing	1,238.75	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
1	801	Energy Star DW (EF=0.58)	PSE Electric Existing	1,181.65	57.10	57.10	5%	\$0.043	\$0.050	Appliances	Level B	Level C
1	900	Base Conventional Oven	PSE Electric Existing	298.92	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
1	901	Convection Oven	PSE Electric Existing	255.69	43.23	43.23	14%	\$0.153	\$0.176	Appliances	Level F	Level F
1	950	Base Plug Loads	PSE Electric Existing	2,043.68	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
1	951	Powerstrip with Occupancy Sensor	PSE Electric Existing	2,027.36	16.32	16.32	1%	\$0.300	\$0.345	Appliances	Level F	Level F
2	120	Base Exhaust Air Heat Pump, 2 ton	PSE Electric Existing	3.79	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A

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RESIDENTIAL ELECTRIC RESULTS AND DATA INPUTS

Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
2	123	ENERGY STAR Programmable Thermostat (Electronic w/ Adaptive Recovery)	PSE Electric Existing	3.77	0.02	0.02	1%	\$0.098	\$0.113	HVAC	Level E	Level F
2	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	PSE Electric Existing	3.34	0.44	0.46	12%	\$0.095	\$0.109	HVAC	Level E	Level E
2	122	ENERGY STAR or better Exhaust Air Heat Pump (HSPF=xxx; SEER=13)	PSE Electric Existing	3.02	0.32	0.77	20%	\$0.100	\$0.115	HVAC	Level E	Level F
2	121	ENERGY STAR or better Exhaust Air Heat Pump (HSPF=xxx; SEER=12)	PSE Electric Existing	2.81	0.21	0.98	26%	\$0.122	\$0.140	HVAC	Level F	Level F
2	124	Ceiling R-0 to R-19 Insulation	PSE Electric Existing	2.54	0.27	1.25	33%	\$0.208	\$0.239	HVAC	Level F	Level F
2	133	Addition of Attic and Crawlspace Ventilation	PSE Electric Existing	2.50	0.04	1.29	34%	\$0.231	\$0.266	HVAC	Level F	Level F
2	132	Windows (high efficiency / ENERGY STAR+)	PSE Electric Existing	2.04	0.46	1.76	46%	\$0.304	\$0.350	HVAC	Level F	Level F
2	126	Floor R-0 to R-19 Insulation-Batts	PSE Electric Existing	1.98	0.06	1.82	48%	\$0.431	\$0.495	HVAC	Level F	Level F
2	128	Comprehensive Shell Air Sealing - Inf. Reduction	PSE Electric Existing	1.92	0.06	1.88	49%	\$0.715	\$0.822	HVAC	Level F	Level F
2	129	Duct Testing and Sealing	PSE Electric Existing	1.90	0.02	1.90	50%	\$1.136	\$1.306	HVAC	Level F	Level F
2	125	Ceiling R-19 to R-38 Insulation	PSE Electric Existing	1.89	0.01	1.91	50%	\$1.973	\$2.269	HVAC	Level F	Level F

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RESIDENTIAL ELECTRIC RESULTS AND DATA INPUTS

Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
2	131	HVAC Diagnostic Testing, Repair and Maintenance	PSE Electric Existing	1.88	0.01	1.91	50%	\$3.508	\$4.034	HVAC	Level F	Level F
2	130	Duct Insulation (R-3 to R-6)	PSE Electric Existing	1.87	0.01	1.92	51%	\$4.922	\$5.661	HVAC	Level F	Level F
2	160	Base Room Air Conditioner, 8 kBtu	PSE Electric Existing	3.04	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
2	161	ENERGY STAR or better Room AC, 8 kBtu	PSE Electric Existing	2.76	0.28	0.28	9%	\$0.796	\$0.916	HVAC	Level F	Level F
2	180	Base Resistance Space Heating	PSE Electric Existing	194.61	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
2	183	ENERGY STAR Programmable Thermostat (Electronic w/ Adaptive Recovery)	PSE Electric Existing	193.62	0.99	0.99	1%	\$0.165	\$0.190	HVAC	Level F	Level F
2	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	PSE Electric Existing	171.26	22.36	23.35	12%	\$0.159	\$0.183	HVAC	Level F	Level F
2	184	Ceiling R-0 to R-19 Insulation	PSE Electric Existing	154.96	16.29	39.64	20%	\$0.294	\$0.338	HVAC	Level F	Level F
2	193	Addition of Attic and Crawlspace Ventilation	PSE Electric Existing	152.38	2.59	42.23	22%	\$0.326	\$0.375	HVAC	Level F	Level F
2	192	Windows (high efficiency / ENERGY STAR+)	PSE Electric Existing	124.05	28.32	70.55	36%	\$0.430	\$0.494	HVAC	Level F	Level F
2	186	Floor R-0 to R-19 Insulation-Batts	PSE Electric Existing	120.45	3.60	74.16	38%	\$0.608	\$0.700	HVAC	Level F	Level F

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
2	188	Comprehensive Shell Air Sealing - Inf. Reduction	PSE Electric Existing	116.92	3.53	77.68	40%	\$1.009	\$1.161	HVAC	Level F	Level F
2	189	Duct Testing and Sealing	PSE Electric Existing	115.61	1.31	79.00	41%	\$1.604	\$1.845	HVAC	Level F	Level F
2	182	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=13)	PSE Electric Existing	105.08	10.53	89.53	46%	\$0.686	\$0.789	HVAC	Level F	Level F
2	181	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=12)	PSE Electric Existing	98.89	6.19	95.72	49%	\$0.940	\$1.082	HVAC	Level F	Level F
2	185	Ceiling R-19 to R-38 Insulation	PSE Electric Existing	98.40	0.49	96.21	49%	\$3.258	\$3.747	HVAC	Level F	Level F
2	191	HVAC Diagnostic Testing, Repair and Maintenance	PSE Electric Existing	98.07	0.32	96.53	50%	\$5.792	\$6.661	HVAC	Level F	Level F
2	190	Duct Insulation (R-3 to R-6)	PSE Electric Existing	97.75	0.32	96.85	50%	\$8.129	\$9.348	HVAC	Level F	Level F
2	200	Base Lighting, 0.5 hr/hday	PSE Electric Existing	16.97	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
2	201	CFL, 0.5 hr/day	PSE Electric Existing	7.13	9.84	9.84	58%	\$0.098	\$0.113	Lighting	Level E	Level F
2	203	Fluorescent Torchieries, 0.5 hr/day	PSE Electric Existing	6.90	0.23	10.07	59%	\$1.216	\$1.399	Lighting	Level F	Level F
2	202	CFL Fixtures, 0.5 hr/day	PSE Electric Existing	6.68	0.22	10.29	61%	\$0.939	\$1.080	Lighting	Level F	Level F
2	210	Base Lighting, 2.5 hr/hday	PSE Electric Existing	150.90	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
2	211	CFL, 2.5 hr/day	PSE Electric Existing	63.41	87.49	87.49	58%	\$0.020	\$0.023	Lighting	Level A	Level A
2	213	Fluorescent Torchieries, 2.5 hr/day	PSE Electric Existing	61.35	2.06	89.55	59%	\$0.243	\$0.280	Lighting	Level F	Level F
2	212	CFL Fixtures, 2.5 hr/day	PSE Electric Existing	59.37	1.98	91.53	61%	\$0.188	\$0.216	Lighting	Level F	Level F
2	220	Base Lighting, 6.0 hr/hday	PSE Electric Existing	81.86	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
2	221	CFL, 6.0 hr/day	PSE Electric Existing	34.40	47.46	47.46	58%	\$0.011	\$0.013	Lighting	Level A	Level A
2	223	Fluorescent Torchieries, 6.0 hr/day	PSE Electric Existing	33.28	1.12	48.58	59%	\$0.137	\$0.157	Lighting	Level F	Level F
2	222	CFL Fixtures, 6.0 hr/day	PSE Electric Existing	32.21	1.07	49.65	61%	\$0.093	\$0.107	Lighting	Level E	Level E
2	300	Base Refrigerator, 15 cu.ft.	PSE Electric Existing	136.76	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
2	301	ENERGY STAR or better Refrigerator	PSE Electric Existing	116.27	20.50	20.50	15%	\$0.064	\$0.073	Appliances	Level D	Level D
2	310	Base Secondary Refrigerator	PSE Electric Existing	251.69	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
2	311	Removal of Secondary Refrigerator	PSE Electric Existing	220.31	31.38	31.38	12%	\$0.040	\$0.045	Appliances	Level B	Level C
2	400	Base Freezer	PSE Electric Existing	15.53	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
2	401	ENERGY STAR or better Freezer	PSE Electric Existing	13.98	1.55	1.55	10%	\$0.088	\$0.101	Appliances	Level E	Level E
2	410	Base Secondary Freezer	PSE Electric Existing	239.10	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
2	411	Removal of Secondary Freezer	PSE Electric Existing	235.41	3.69	3.69	2%	\$0.042	\$0.048	Appliances	Level B	Level C
2	500	Base 40 gal. Water Heating (EF=0.88)	PSE Electric Existing	568.46	0.00	0.00	0%	N/A	\$0.000	Water Heat	N/A	N/A
2	504	Low-Flow Showerheads	PSE Electric Existing	549.84	18.62	18.62	3%	\$0.009	\$0.011	Water Heat	Level A	Level A
2	505	Hot Water Pipe Insulation	PSE Electric Existing	545.74	4.10	22.72	4%	\$0.019	\$0.021	Water Heat	Level A	Level A
2	506	Water Heater Thermostat Setback	PSE Electric Existing	522.52	23.22	45.94	8%	\$0.066	\$0.076	Water Heat	Level D	Level D
2	508	Drain Water Heat Recovery (GFX)	PSE Electric Existing	490.25	32.27	78.21	14%	\$0.068	\$0.078	Water Heat	Level D	Level D
2	501	Heat Pump Water Heater (EF=2.9)	PSE Electric Existing	353.70	136.55	214.76	38%	\$0.112	\$0.129	Water Heat	Level F	Level F
2	503	Solar Water Heater	PSE Electric Existing	321.90	31.80	246.56	43%	\$0.190	\$0.219	Water Heat	Level F	Level F
2	502	HE Water Heater (EF=0.93)	PSE Electric Existing	315.39	6.51	253.07	45%	\$0.289	\$0.332	Water Heat	Level F	Level F
2	507	Tankless Water Heater (EF=0.98)	PSE Electric Existing	312.17	3.22	256.29	45%	\$0.612	\$0.704	Water Heat	Level F	Level F

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWh Technical Potential	Marginal Energy Cost \$/kWh Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
2	600	Base Clotheswasher (EF=1.18)	PSE Electric Existing	666.99	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
2	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	PSE Electric Existing	627.79	39.20	39.20	6%	\$0.099	\$0.114	Appliances	Level E	Level F
2	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	PSE Electric Existing	597.54	30.25	69.45	10%	\$0.103	\$0.118	Appliances	Level E	Level F
2	800	Base Dishwasher (EF=0.46)	PSE Electric Existing	6,503.18	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
2	801	Energy Star DW (EF=0.58)	PSE Electric Existing	6,262.22	240.96	240.96	4%	\$0.006	\$0.007	Appliances	Level A	Level A
2	900	Base Conventional Oven	PSE Electric Existing	1,011.29	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
2	901	Convection Oven	PSE Electric Existing	826.49	184.80	184.80	18%	\$0.015	\$0.018	Appliances	Level A	Level A
2	950	Base Plug Loads	PSE Electric Existing	352.14	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
2	951	Powerstrip with Occupancy Sensor	PSE Electric Existing	345.86	6.28	6.28	2%	\$0.297	\$0.342	Appliances	Level F	Level F
3	120	Base Heat Pump, 2 ton	PSE Electric Existing	29.48	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
3	131	HVAC Diagnostic Testing, Repair and Maintenance	PSE Electric Existing	27.11	2.37	2.37	8%	\$0.027	\$0.031	HVAC	Level A	Level B

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
3	123	ENERGY STAR Programmable Thermostat (Electronic w/ Adaptive Recovery)	PSE Electric Existing	26.25	0.86	3.23	11%	\$0.041	\$0.048	HVAC	Level B	Level C
3	133	Addition of Attic and Crawlspace Ventilation	PSE Electric Existing	24.99	1.25	4.48	15%	\$0.031	\$0.035	HVAC	Level B	Level B
3	122	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=13)	PSE Electric Existing	22.72	2.28	6.76	23%	\$0.038	\$0.044	HVAC	Level B	Level B
3	121	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=12)	PSE Electric Existing	21.38	1.34	8.10	27%	\$0.046	\$0.053	HVAC	Level C	Level C
3	130	Duct Insulation (R-3 to R-6)	PSE Electric Existing	20.40	0.97	9.07	31%	\$0.062	\$0.072	HVAC	Level D	Level D
3	128	Comprehensive Shell Air Sealing - Inf. Reduction	PSE Electric Existing	20.01	0.39	9.47	32%	\$0.094	\$0.108	HVAC	Level E	Level E
3	126	Floor R-0 to R-19 Insulation-Batts	PSE Electric Existing	19.16	0.85	10.32	35%	\$0.129	\$0.149	HVAC	Level F	Level F
3	132	Windows (high efficiency / ENERGY STAR+)	PSE Electric Existing	15.87	3.29	13.61	46%	\$0.172	\$0.198	HVAC	Level F	Level F
3	124	Ceiling R-0 to R-19 Insulation	PSE Electric Existing	15.65	0.22	13.82	47%	\$0.220	\$0.253	HVAC	Level F	Level F
3	129	Duct Testing and Sealing	PSE Electric Existing	15.19	0.46	14.28	48%	\$0.308	\$0.354	HVAC	Level F	Level F
3	125	Ceiling R-19 to R-38 Insulation	PSE Electric Existing	14.87	0.32	14.61	50%	\$0.350	\$0.402	HVAC	Level F	Level F

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
3	127	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	PSE Electric Existing	14.73	0.14	14.75	50%	\$1.402	\$1.612	HVAC	Level F	Level F
3	160	Base Room Air Conditioner, 10 kBtu	PSE Electric Existing	2.67	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
3	161	ENERGY STAR or better Room AC, 10 kBtu	PSE Electric Existing	2.43	0.24	0.24	9%	\$0.703	\$0.809	HVAC	Level F	Level F
3	180	Base Resistance Space Heating	PSE Electric Existing	150.41	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
3	191	HVAC Diagnostic Testing, Repair and Maintenance	PSE Electric Existing	138.33	12.08	12.08	8%	\$0.036	\$0.042	HVAC	Level B	Level B
3	183	ENERGY STAR Programmable Thermostat (Electronic w/ Adaptive Recovery)	PSE Electric Existing	133.92	4.41	16.49	11%	\$0.056	\$0.065	HVAC	Level C	Level D
3	193	Addition of Attic and Crawlspace Ventilation	PSE Electric Existing	127.53	6.39	22.88	15%	\$0.041	\$0.048	HVAC	Level B	Level C
3	190	Duct Insulation (R-3 to R-6)	PSE Electric Existing	121.72	5.81	28.69	19%	\$0.072	\$0.083	HVAC	Level D	Level D
3	188	Comprehensive Shell Air Sealing - Inf. Reduction	PSE Electric Existing	119.37	2.35	31.05	21%	\$0.109	\$0.125	HVAC	Level E	Level F
3	186	Floor R-0 to R-19 Insulation-Batts	PSE Electric Existing	114.28	5.08	36.13	24%	\$0.150	\$0.172	HVAC	Level F	Level F
3	192	Windows (high efficiency / ENERGY STAR+)	PSE Electric Existing	94.67	19.62	55.75	37%	\$0.200	\$0.230	HVAC	Level F	Level F

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3	184	Ceiling R-0 to R-19 Insulation	PSE Electric Existing	93.38	1.28	57.03	38%	\$0.255	\$0.293	HVAC	Level F	Level F
3	189	Duct Testing and Sealing	PSE Electric Existing	90.63	2.75	59.78	40%	\$0.357	\$0.411	HVAC	Level F	Level F
3	185	Ceiling R-19 to R-38 Insulation	PSE Electric Existing	88.71	1.92	61.70	41%	\$0.406	\$0.467	HVAC	Level F	Level F
3	182	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=13)	PSE Electric Existing	80.63	8.08	69.78	46%	\$0.209	\$0.240	HVAC	Level F	Level F
3	181	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=12)	PSE Electric Existing	75.88	4.75	74.53	50%	\$0.286	\$0.329	HVAC	Level F	Level F
3	187	Wall 2x4 R-0 to Blow-In R-13 Insulation (.86)	PSE Electric Existing	75.14	0.74	75.27	50%	\$1.904	\$2.189	HVAC	Level F	Level F
3	200	Base Lighting, 0.5 hr/hday	PSE Electric Existing	7.58	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
3	201	CFL, 0.5 hr/day	PSE Electric Existing	3.19	4.40	4.40	58%	\$0.098	\$0.113	Lighting	Level E	Level F
3	203	Fluorescent Torchieries, 0.5 hr/day	PSE Electric Existing	3.08	0.10	4.50	59%	\$1.216	\$1.399	Lighting	Level F	Level F
3	202	CFL Fixtures, 0.5 hr/day	PSE Electric Existing	2.98	0.10	4.60	61%	\$0.939	\$1.080	Lighting	Level F	Level F
3	210	Base Lighting, 2.5 hr/hday	PSE Electric Existing	67.43	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
3	211	CFL, 2.5 hr/day	PSE Electric Existing	28.34	39.10	39.10	58%	\$0.020	\$0.023	Lighting	Level A	Level A

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3	213	Fluorescent Torchieries, 2.5 hr/day	PSE Electric Existing	27.41	0.92	40.02	59%	\$0.243	\$0.280	Lighting	Level F	Level F
3	212	CFL Fixtures, 2.5 hr/day	PSE Electric Existing	26.53	0.88	40.90	61%	\$0.188	\$0.216	Lighting	Level F	Level F
3	220	Base Lighting, 6.0 hr/hday	PSE Electric Existing	36.58	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
3	221	CFL, 6.0 hr/day	PSE Electric Existing	15.37	21.21	21.21	58%	\$0.011	\$0.013	Lighting	Level A	Level A
3	223	Fluorescent Torchieries, 6.0 hr/day	PSE Electric Existing	14.87	0.50	21.71	59%	\$0.137	\$0.157	Lighting	Level F	Level F
3	222	CFL Fixtures, 6.0 hr/day	PSE Electric Existing	14.39	0.48	22.19	61%	\$0.093	\$0.107	Lighting	Level E	Level E
3	300	Base Refrigerator, 15 cu.ft.	PSE Electric Existing	55.27	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
3	301	ENERGY STAR or better Refrigerator	PSE Electric Existing	46.98	8.28	8.28	15%	\$0.049	\$0.056	Appliances	Level C	Level C
3	310	Base Secondary Refrigerator	PSE Electric Existing	72.41	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
3	311	Removal of Secondary Refrigerator	PSE Electric Existing	62.71	9.70	9.70	13%	\$0.040	\$0.045	Appliances	Level B	Level C
3	400	Base Freezer	PSE Electric Existing	24.97	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
3	401	ENERGY STAR or better Freezer	PSE Electric Existing	22.47	2.49	2.49	10%	\$0.065	\$0.075	Appliances	Level D	Level D

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
3	410	Base Secondary Freezer	PSE Electric Existing	68.79	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
3	411	Removal of Secondary Freezer	PSE Electric Existing	64.38	4.41	4.41	6%	\$0.042	\$0.048	Appliances	Level B	Level C
3	500	Base 40 gal. Water Heating (EF=0.88)	PSE Electric Existing	116.15	0.00	0.00	0%	N/A	\$0.000	Water Heat	N/A	N/A
3	504	Low-Flow Showerheads	PSE Electric Existing	112.35	3.81	3.81	3%	\$0.013	\$0.015	Water Heat	Level A	Level A
3	505	Hot Water Pipe Insulation	PSE Electric Existing	111.24	1.11	4.92	4%	\$0.019	\$0.021	Water Heat	Level A	Level A
3	508	Drain Water Heat Recovery (GFX)	PSE Electric Existing	104.28	6.95	11.87	10%	\$0.091	\$0.104	Water Heat	Level E	Level E
3	506	Water Heater Thermostat Setback	PSE Electric Existing	99.85	4.44	16.31	14%	\$0.100	\$0.115	Water Heat	Level E	Level F
3	501	Heat Pump Water Heater (EF=2.9)	PSE Electric Existing	72.04	27.81	44.12	38%	\$0.159	\$0.183	Water Heat	Level F	Level F
3	503	Solar Water Heater	PSE Electric Existing	65.56	6.48	50.60	44%	\$0.270	\$0.311	Water Heat	Level F	Level F
3	502	HE Water Heater (EF=0.93)	PSE Electric Existing	64.23	1.33	51.92	45%	\$0.411	\$0.472	Water Heat	Level F	Level F
3	507	Tankless Water Heater (EF=0.98)	PSE Electric Existing	63.58	0.66	52.58	45%	\$0.870	\$1.001	Water Heat	Level F	Level F
3	600	Base Clotheswasher (EF=1.18)	PSE Electric Existing	136.29	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
3	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	PSE Electric Existing	124.63	11.65	11.65	9%	\$0.097	\$0.111	Appliances	Level E	Level F
3	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	PSE Electric Existing	115.85	8.78	20.44	15%	\$0.103	\$0.118	Appliances	Level E	Level F
3	800	Base Dishwasher (EF=0.46)	PSE Electric Existing	136.29	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
3	801	Energy Star DW (EF=0.58)	PSE Electric Existing	126.35	9.93	9.93	7%	\$0.045	\$0.052	Appliances	Level C	Level C
3	900	Base Conventional Oven	PSE Electric Existing	30.36	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
3	901	Convection Oven	PSE Electric Existing	25.87	4.49	4.49	15%	\$0.167	\$0.192	Appliances	Level F	Level F
3	950	Base Plug Loads	PSE Electric Existing	83.57	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
3	951	Powerstrip with Occupancy Sensor	PSE Electric Existing	82.37	1.20	1.20	1%	\$0.447	\$0.514	Appliances	Level F	Level F
4	120	Base Heat Pump, 4 ton	PSE Electric New	4.97	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
4	121	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=12)	PSE Electric New	4.74	0.23	0.23	5%	\$0.064	\$0.073	HVAC	Level D	Level D
4	122	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=13)	PSE Electric New	4.39	0.35	0.58	12%	\$0.107	\$0.123	HVAC	Level E	Level F
4	138	ENERGY STAR New Construction	PSE Electric New	3.15	1.24	1.82	37%	\$0.117	\$0.135	HVAC	Level F	Level F

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RESIDENTIAL ELECTRIC RESULTS AND DATA INPUTS

Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
4	137	Geothermal Heat Pump	PSE Electric New	2.82	0.33	2.15	43%	\$0.470	\$0.541	HVAC	Level F	Level F
4	139	ENERGY STAR New Construction Plus	PSE Electric New	1.76	1.07	3.22	65%	\$0.228	\$0.262	HVAC	Level F	Level F
4	160	Base Room Air Conditioner, 14 kBtu	PSE Electric New	0.33	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
4	161	ENERGY STAR or better Room AC, 14 kBtu	PSE Electric New	0.30	0.03	0.03	9%	\$0.522	\$0.601	HVAC	Level F	Level F
4	200	Base Lighting, 0.5 hr/day	PSE Electric New	1.80	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
4	201	CFL, 0.5 hr/day	PSE Electric New	0.76	1.04	1.04	58%	\$0.098	\$0.113	Lighting	Level E	Level F
4	202	CFL Fixtures, 0.5 hr/day	PSE Electric New	0.73	0.02	1.07	59%	\$0.338	\$0.388	Lighting	Level F	Level F
4	203	Fluorescent Torcheries, 0.5 hr/day	PSE Electric New	0.71	0.02	1.09	61%	\$1.257	\$1.445	Lighting	Level F	Level F
4	210	Base Lighting, 2.5 hr/day	PSE Electric New	16.00	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
4	211	CFL, 2.5 hr/day	PSE Electric New	6.72	9.27	9.27	58%	\$0.020	\$0.023	Lighting	Level A	Level A
4	212	CFL Fixtures, 2.5 hr/day	PSE Electric New	6.50	0.22	9.49	59%	\$0.068	\$0.078	Lighting	Level D	Level D
4	213	Fluorescent Torcheries, 2.5 hr/day	PSE Electric New	6.29	0.21	9.70	61%	\$0.251	\$0.289	Lighting	Level F	Level F

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
4	220	Base Lighting, 6.0 hr/day	PSE Electric New	8.68	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
4	221	CFL, 6.0 hr/day	PSE Electric New	3.65	5.03	5.03	58%	\$0.011	\$0.013	Lighting	Level A	Level A
4	222	CFL Fixtures, 6.0 hr/day	PSE Electric New	3.53	0.12	5.15	59%	\$0.033	\$0.038	Lighting	Level B	Level B
4	223	Fluorescent Torchieries, 6.0 hr/day	PSE Electric New	3.41	0.11	5.26	61%	\$0.141	\$0.162	Lighting	Level F	Level F
4	300	Base Refrigerator, 20 cu.ft.	PSE Electric New	8.43	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
4	301	ENERGY STAR or better Refrigerator	PSE Electric New	7.16	1.26	1.26	15%	\$0.082	\$0.095	Appliances	Level D	Level E
4	400	Base Freezer	PSE Electric New	3.61	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
4	401	ENERGY STAR or better Freezer	PSE Electric New	3.25	0.36	0.36	10%	\$0.081	\$0.093	Appliances	Level D	Level E
4	500	Base 40 gal. Water Heating (EF=0.88)	PSE Electric New	12.52	0.00	0.00	0%	N/A	\$0.000	Water Heat	N/A	N/A
4	508	Drain Water Heat Recovery (GFX)	PSE Electric New	11.42	1.10	1.10	9%	\$0.048	\$0.055	Water Heat	Level C	Level C
4	501	Heat Pump Water Heater (EF=2.9)	PSE Electric New	8.24	3.18	4.28	34%	\$0.082	\$0.095	Water Heat	Level D	Level E
4	503	Solar Water Heater	PSE Electric New	7.50	0.74	5.02	40%	\$0.140	\$0.161	Water Heat	Level F	Level F

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
4	502	HE Water Heater (EF=0.93)	PSE Electric New	7.35	0.15	5.17	41%	\$0.213	\$0.245	Water Heat	Level F	Level F
4	507	Tankless Water Heater (EF=0.98)	PSE Electric New	7.27	0.07	5.24	42%	\$0.452	\$0.520	Water Heat	Level F	Level F
4	600	Base Clotheswasher (EF=1.18)	PSE Electric New	12.52	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
4	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	PSE Electric New	11.55	0.97	0.97	8%	\$0.068	\$0.078	Appliances	Level D	Level D
4	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	PSE Electric New	10.81	0.74	1.71	14%	\$0.071	\$0.082	Appliances	Level D	Level D
4	800	Base Dishwasher (EF=0.46)	PSE Electric New	12.52	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
4	801	Energy Star DW (EF=0.58)	PSE Electric New	11.88	0.64	0.64	5%	\$0.043	\$0.050	Appliances	Level B	Level C
4	900	Base Conventional Oven	PSE Electric New	4.09	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
4	901	Convection Oven	PSE Electric New	3.61	0.48	0.48	12%	\$0.189	\$0.218	Appliances	Level F	Level F
4	950	Base Plug Loads	PSE Electric New	38.54	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
4	951	Powerstrip with Occupancy Sensor	PSE Electric New	38.39	0.15	0.15	0%	\$0.618	\$0.711	Appliances	Level F	Level F
5	120	Base Exhaust Air Heat Pump, 2 ton	PSE Electric New	0.07	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWh Technical Potential	Marginal Energy Cost \$/kWh Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
5	122	ENERGY STAR or better Exhaust Air Heat Pump (HSPF=xxx; SEER=13)	PSE Electric New	0.07	0.01	0.01	8%	\$0.112	\$0.129	HVAC	Level F	Level F
5	121	ENERGY STAR or better Exhaust Air Heat Pump (HSPF=xxx; SEER=12)	PSE Electric New	0.06	0.00	0.01	13%	\$0.134	\$0.154	HVAC	Level F	Level F
5	137	Geothermal Heat Pump	PSE Electric New	0.06	0.01	0.02	22%	\$0.208	\$0.239	HVAC	Level F	Level F
5	138	ENERGY STAR New Construction	PSE Electric New	0.03	0.03	0.04	62%	\$0.156	\$0.179	HVAC	Level F	Level F
5	139	ENERGY STAR New Construction Plus	PSE Electric New	0.01	0.02	0.06	88%	\$0.418	\$0.481	HVAC	Level F	Level F
5	160	Base Room Air Conditioner, 10 kBtu	PSE Electric New	0.09	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
5	161	ENERGY STAR or better Room AC, 10 kBtu	PSE Electric New	0.08	0.01	0.01	9%	\$0.708	\$0.815	HVAC	Level F	Level F
5	200	Base Lighting, 0.5 hr/hday	PSE Electric New	0.40	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
5	201	CFL, 0.5 hr/day	PSE Electric New	0.17	0.23	0.23	58%	\$0.098	\$0.113	Lighting	Level E	Level F
5	202	CFL Fixtures, 0.5 hr/day	PSE Electric New	0.16	0.01	0.24	59%	\$0.338	\$0.388	Lighting	Level F	Level F
5	203	Fluorescent Torchieries, 0.5 hr/day	PSE Electric New	0.16	0.01	0.24	61%	\$1.257	\$1.445	Lighting	Level F	Level F
5	210	Base Lighting, 2.5 hr/hday	PSE Electric New	3.59	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWh Technical Potential	Marginal Energy Cost \$/kWh Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
5	211	CFL, 2.5 hr/day	PSE Electric New	1.51	2.08	2.08	58%	\$0.020	\$0.023	Lighting	Level A	Level A
5	212	CFL Fixtures, 2.5 hr/day	PSE Electric New	1.46	0.05	2.13	59%	\$0.068	\$0.078	Lighting	Level D	Level D
5	213	Fluorescent Torchieries, 2.5 hr/day	PSE Electric New	1.41	0.05	2.18	61%	\$0.251	\$0.289	Lighting	Level F	Level F
5	220	Base Lighting, 6.0 hr/hday	PSE Electric New	1.95	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
5	221	CFL, 6.0 hr/day	PSE Electric New	0.82	1.13	1.13	58%	\$0.011	\$0.013	Lighting	Level A	Level A
5	222	CFL Fixtures, 6.0 hr/day	PSE Electric New	0.79	0.03	1.16	59%	\$0.033	\$0.038	Lighting	Level B	Level B
5	223	Fluorescent Torchieries, 6.0 hr/day	PSE Electric New	0.77	0.03	1.18	61%	\$0.141	\$0.162	Lighting	Level F	Level F
5	300	Base Refrigerator, 15 cu.ft.	PSE Electric New	3.17	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
5	301	ENERGY STAR or better Refrigerator	PSE Electric New	2.70	0.48	0.48	15%	\$0.065	\$0.075	Appliances	Level D	Level D
5	400	Base Freezer	PSE Electric New	0.36	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
5	401	ENERGY STAR or better Freezer	PSE Electric New	0.32	0.04	0.04	10%	\$0.091	\$0.104	Appliances	Level E	Level E
5	500	Base 40 gal. Water Heating (EF=0.88)	PSE Electric New	14.73	0.00	0.00	0%	N/A	\$0.000	Water Heat	N/A	N/A

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWh Technical Potential	Marginal Energy Cost \$/kWh Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
5	508	Drain Water Heat Recovery (GFX)	PSE Electric New	13.67	1.06	1.06	7%	\$0.049	\$0.057	Water Heat	Level C	Level C
5	501	Heat Pump Water Heater (EF=2.9)	PSE Electric New	9.86	3.81	4.86	33%	\$0.095	\$0.110	Water Heat	Level E	Level E
5	503	Solar Water Heater	PSE Electric New	8.98	0.89	5.75	39%	\$0.162	\$0.187	Water Heat	Level F	Level F
5	502	HE Water Heater (EF=0.93)	PSE Electric New	8.80	0.18	5.93	40%	\$0.247	\$0.284	Water Heat	Level F	Level F
5	507	Tankless Water Heater (EF=0.98)	PSE Electric New	8.71	0.09	6.02	41%	\$0.522	\$0.601	Water Heat	Level F	Level F
5	600	Base Clotheswasher (EF=1.18)	PSE Electric New	14.73	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
5	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	PSE Electric New	13.80	0.93	0.93	6%	\$0.099	\$0.114	Appliances	Level E	Level F
5	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	PSE Electric New	13.08	0.72	1.65	11%	\$0.103	\$0.119	Appliances	Level E	Level F
5	800	Base Dishwasher (EF=0.46)	PSE Electric New	14.73	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
5	801	Energy Star DW (EF=0.58)	PSE Electric New	14.14	0.59	0.59	4%	\$0.063	\$0.072	Appliances	Level D	Level D
5	900	Base Conventional Oven	PSE Electric New	2.47	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
5	901	Convection Oven	PSE Electric New	2.00	0.47	0.47	19%	\$0.143	\$0.164	Appliances	Level F	Level F

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWh Technical Potential	Marginal Energy Cost \$/kWh Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
5	950	Base Plug Loads	PSE Electric New	8.38	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
5	951	Powerstrip with Occupancy Sensor	PSE Electric New	8.21	0.17	0.17	2%	\$0.267	\$0.307	Appliances	Level F	Level F
6	120	Base Heat Pump, 3 ton	PSE Electric New	1.48	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
6	122	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=13)	PSE Electric New	1.35	0.14	0.14	9%	\$0.042	\$0.048	HVAC	Level B	Level C
6	121	ENERGY STAR or better Air Source Heat Pump (HSPF=xxx; SEER=12)	PSE Electric New	1.27	0.08	0.21	14%	\$0.050	\$0.057	HVAC	Level C	Level C
6	138	Super Good Cents / ENERGY STAR New Man. Housing	PSE Electric New	0.99	0.27	0.49	33%	\$0.067	\$0.078	HVAC	Level D	Level D
6	139	Super Good Cents / ENERGY STAR New Man. Housing Plus	PSE Electric New	0.71	0.29	0.77	52%	\$0.129	\$0.148	HVAC	Level F	Level F
6	160	Base Room Air Conditioner, 10 kBtu	PSE Electric New	0.15	0.00	0.00	0%	N/A	\$0.000	HVAC	N/A	N/A
6	161	ENERGY STAR or better Room AC, 10 kBtu	PSE Electric New	0.13	0.01	0.01	9%	\$0.476	\$0.547	HVAC	Level F	Level F
6	200	Base Lighting, 0.5 hr/hday	PSE Electric New	0.33	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
6	201	CFL, 0.5 hr/day	PSE Electric New	0.14	0.19	0.19	58%	\$0.098	\$0.113	Lighting	Level E	Level F
6	202	CFL Fixtures, 0.5 hr/day	PSE Electric New	0.13	0.00	0.19	59%	\$0.338	\$0.388	Lighting	Level F	Level F

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWh Technical Potential	Marginal Energy Cost \$/kWh Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
6	203	Fluorescent Torchieries, 0.5 hr/day	PSE Electric New	0.13	0.00	0.20	61%	\$1.257	\$1.445	Lighting	Level F	Level F
6	210	Base Lighting, 2.5 hr/hday	PSE Electric New	2.90	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
6	211	CFL, 2.5 hr/day	PSE Electric New	1.22	1.68	1.68	58%	\$0.020	\$0.023	Lighting	Level A	Level A
6	212	CFL Fixtures, 2.5 hr/day	PSE Electric New	1.18	0.04	1.72	59%	\$0.068	\$0.078	Lighting	Level D	Level D
6	213	Fluorescent Torchieries, 2.5 hr/day	PSE Electric New	1.14	0.04	1.76	61%	\$0.251	\$0.289	Lighting	Level F	Level F
6	220	Base Lighting, 6.0 hr/hday	PSE Electric New	1.57	0.00	0.00	0%	N/A	\$0.000	Lighting	N/A	N/A
6	221	CFL, 6.0 hr/day	PSE Electric New	0.66	0.91	0.91	58%	\$0.011	\$0.013	Lighting	Level A	Level A
6	222	CFL Fixtures, 6.0 hr/day	PSE Electric New	0.64	0.02	0.93	59%	\$0.033	\$0.038	Lighting	Level B	Level B
6	223	Fluorescent Torchieries, 6.0 hr/day	PSE Electric New	0.62	0.02	0.96	61%	\$0.141	\$0.162	Lighting	Level F	Level F
6	300	Base Refrigerator, 15 cu.ft.	PSE Electric New	1.89	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
6	301	ENERGY STAR or better Refrigerator	PSE Electric New	1.61	0.28	0.28	15%	\$0.061	\$0.070	Appliances	Level D	Level D
6	400	Base Freezer	PSE Electric New	0.86	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
6	401	ENERGY STAR or better Freezer	PSE Electric New	0.77	0.09	0.09	10%	\$0.082	\$0.095	Appliances	Level D	Level E
6	500	Base 40 gal. Water Heating (EF=0.88)	PSE Electric New	5.58	0.00	0.00	0%	N/A	\$0.000	Water Heat	N/A	N/A
6	508	Drain Water Heat Recovery (GFX)	PSE Electric New	5.23	0.35	0.35	6%	\$0.078	\$0.090	Water Heat	Level D	Level E
6	501	Heat Pump Water Heater (EF=2.9)	PSE Electric New	3.77	1.46	1.81	32%	\$0.131	\$0.150	Water Heat	Level F	Level F
6	503	Solar Water Heater	PSE Electric New	3.43	0.34	2.14	38%	\$0.222	\$0.255	Water Heat	Level F	Level F
6	502	HE Water Heater (EF=0.93)	PSE Electric New	3.37	0.07	2.21	40%	\$0.338	\$0.388	Water Heat	Level F	Level F
6	507	Tankless Water Heater (EF=0.98)	PSE Electric New	3.37	0.00	2.21	40%	N/A	\$0.000	Water Heat	N/A	N/A
6	600	Base Clotheswasher (EF=1.18)	PSE Electric New	5.58	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
6	602	Energy Star Vertical-Axis Clothes Washer: SEHA CW Tier 2 (EF=3.25)	PSE Electric New	5.08	0.50	0.50	9%	\$0.097	\$0.111	Appliances	Level E	Level F
6	601	Horizontal-Axis Clothes Washer: Energy Star CW (EF=2.5)	PSE Electric New	4.70	0.38	0.88	16%	\$0.103	\$0.118	Appliances	Level E	Level F
6	800	Base Dishwasher (EF=0.46)	PSE Electric New	5.58	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
6	801	Energy Star DW (EF=0.58)	PSE Electric New	5.15	0.43	0.43	8%	\$0.045	\$0.052	Appliances	Level C	Level C

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Sgmt	Measure Number	Measure	Building Type	Total GWH	GWH Savings	Total Energy Savings GWH	Percent GWH Savings	Marginal Energy Cost \$/kWH Technical Potential	Marginal Energy Cost \$/kWH Achievable Potential	Bundle	Technical Potential Cost Group	Achievable Potential Cost Group
6	900	Base Conventional Oven	PSE Electric New	1.31	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
6	901	Convection Oven	PSE Electric New	1.08	0.23	0.23	18%	\$0.141	\$0.162	Appliances	Level F	Level F
6	950	Base Plug Loads	PSE Electric New	3.60	0.00	0.00	0%	N/A	\$0.000	Appliances	N/A	N/A
6	951	Powerstrip with Occupancy Sensor	PSE Electric New	3.54	0.06	0.06	2%	\$0.377	\$0.433	Appliances	Level F	Level F