

Measure Description			Electric Product Detailed Technical Assumptions																				Stipulated Output			Economic Assumptions		Technical Assumption	Program Forecast Inputs				Stipulated Forecast Inputs			Program Forecast Outputs					
			High Efficiency Product Assumptions		Baseline Product Assumptions			Economic Assumptions					2012		2013		2012		2013		2012								2013												
Electric Measure Group	Electric Measure Description	Efficient Product Description / Rating	Efficient Product Consumption (watts)	Efficient Hours of Operation (hrs/yr)	Baseline Product Description / Rating	Baseline Product Consumption (watts)	Baseline Hours of Operation (hrs/yr)	Measure Lifetime (years)	Rebate Amount (\$)	Average Baseline Product Cost (\$)	Incremental Cost of Efficient Product (\$)	Assumed Energy Cost (\$/kWh)	Rebate as a % of Incremental Cost (%)	Incremental Cost Payback Period w/o Rebate (yrs)	Incremental Cost Payback Period w/ Rebate (yrs)	Annual Customer kWh Savings (kWh/yr)	Rebated Cost / Cost kWh Saved (\$/kWh)	Rebated Lifetime cost / Cost kWh Saved (\$/kWh)	Customer kW Savings (kW)	Generator Peak kW Savings (kW)	Non-Energy O&M Savings (\$)	Energy O&M Savings (\$)	Coincidence Factor (%)	2012 Participants (-)	2012 Units (-)	2013 Participants (-)	2013 Units (-)	NTG (%)	Installation Rate (%)	Realization Rate (%)	2012 NET Gen kW (kW)	2012 NET Gen kWh (kWh)	2012 Rebate Budget (\$)	2013 NET Gen kW (kW)	2013 NET Gen kWh (kWh)	2013 Rebate Budget (\$)					
TOTAL																								0	0	400	1,916				0	0	\$0	616	662,110	\$210,931					
Attic Insulation and Bypass Sealing			Heating Effects from R-19 to R40 in Electric Resistance Heated Home	R-40 Insulation or Higher	15,423	787	R-19 Insulation	16,383	787	20	\$0	\$0	\$ 0.114	#DIV/0!	0.0	0.0	756	\$0.000	\$0.000	0.96	0.00	\$0.00	\$0.00	0.00%	0	0	0	0	94%	100%	100%	0	0	\$0	0	0	\$0				
Attic Insulation and Bypass Sealing			Cooling Effects from R-19 to R40 in Central AC Cooled Home	R-40 Insulation or Higher	1,869	628	R-19 Insulation	2,005	628	20	\$23.83	\$0	\$ 0.114	20%	12.3	9.8	85	\$0.280	\$0.014	0.14	0.12	\$0.00	\$0.00	80.91%	0	0	76	363	94%	100%	100%	0	0	\$0	40	31,423	\$8,650				
Air Sealing / bypass sealing and Weatherstripping			Tier 2 Heating Effects with minimum 25% ACH Reduction in Electric Resistance Heated Home	43 ACH in 2000 sq. ft. home w/ avg 28.4% reduction	14,450	787	0.6 ACH in a 2000 sq. ft. home	16,383	787	10	\$0	\$0	\$ 0.114	#DIV/0!	0.0	0.0	1,521	\$0.000	\$0.000	1.93	0.00	\$0.00	\$0.00	0.00%	0	0	0	0	94%	100%	100%	0	0	\$0	0	0	\$0				
Air Sealing / bypass sealing and Weatherstripping			Tier 2 Cooling Effects with minimum 25% ACH Reduction in Electrically cooled Homes	43 ACH in 2000 sq. ft. home w/ avg 28.4% reduction	339	628	0.6 ACH in a 2000 sq. ft. home	474	628	10	\$8	\$0	\$ 0.114	20%	4.3	3.4	85	\$0.098	\$0.010	0.13	0.12	\$0.00	\$0.00	80.91%	0	0	14	69	94%	100%	100%	0	0	\$0	8	5,946	\$572				
Air Sealing / bypass sealing and Weatherstripping			Tier 3 Heating Effects with minimum 33% ACH Reduction in Electric Resistance Heated Home	36 ACH in 2000 sq. ft. home w/ avg 39.7% reduction	0	787	0.6 ACH in a 2000 sq. ft. home	16,383	787	10	\$0	\$0	\$ 0.114	#DIV/0!	0.0	0.0	12,891	\$0.000	\$0.000	16.38	0.00	\$0.00	\$0.00	0.00%	0	0	0	0	94%	100%	100%	0	0	\$0	0	0	\$0				
Air Sealing / bypass sealing and Weatherstripping			Tier 3 Cooling Effects with minimum 33% ACH Reduction in Electrically cooled Homes	36 ACH in 2000 sq. ft. home w/ avg 39.7% reduction	285	628	0.6 ACH in a 2000 sq. ft. home	474	628	10	\$10	\$0	\$ 0.114	20%	3.9	3.1	118	\$0.088	\$0.009	0.19	0.16	\$0.00	\$0.00	80.91%	0	0	28	136	94%	100%	100%	0	0	\$0	21	16,367	\$1,413				
Wall Insulation: sub-siding or cavity			Heating Effects from R-0 to R11 in Electric Resistance Heated Home	R-11	16,383	787	R-0	25,446	787	20	\$0	\$0	\$ 0.114	#DIV/0!	0.0	0.0	7,131	\$0.000	\$0.000	9.06	0.00	\$0.00	\$0.00	0.00%	0	0	0	0	94%	100%	100%	0	0	\$0	0	0	\$0				
Wall Insulation: sub-siding or cavity			Cooling Effects from R-0 to R11 in Electric Resistance Heated Home	R-11	2,005	628	R-0	2,591	628	20	\$106	\$0	\$ 0.114	37%	6.8	4.3	368	\$0.289	\$0.014	0.59	0.51	\$0.00	\$0.00	80.91%	0	0	52	249	94%	100%	100%	0	0	\$0	120	93,320	\$26,461				
CFLs			2012	20 CFLs	380	720	20 Incandescent Lamps	1,259	720	9	\$40	\$0	\$ 0.114	63%	0.9	0.3	633	\$0.063	\$0.007	0.88	0.08	\$0.00	\$0.00	8.00%	0	0	0	0	94%	100%	100%	0	0	\$0	0	0	\$0				
CFLs			2013	18 CFLs	342	885	18 Incandescent Lamps	1,045	885	10	\$40	\$0	\$ 0.114	63%	0.9	0.3	622	\$0.064	\$0.006	0.70	0.06	\$0.00	\$0.00	8.00%	0	0	43	204	94%	100%	100%	0	0	\$0	12	129,309	\$8,160				
Refrigerator Recycling			Removal of second refrigerator	0	7,361	Existing unit vintage from 7-18 yrs old	134	7,361	7	\$0	\$0	\$0	\$ 0.114	#DIV/0!	0.0	0.0	989	\$0.000	\$0.000	0.13	0.15	\$0.00	\$0.00	100.00%	0	0	0	0	94%	100%	100%	0	0	\$0	0	0	\$0				
Energy Star Refrigerator			Energy Star Refrigerator	60	8,760	Standard Refrigerator	71	8,760	13	\$15	\$1,070	\$30	\$ 0.114	50%	2.8	1.4	93	\$0.161	\$0.012	0.01	0.01	\$0.00	\$0.00	100.00%	0	0	22	106	94%	100%	100%	0	0	\$0	1	10,084	\$1,590				
ECM Furnace Fan			ECM Furnace Fan	EC Motor	150	2,484	PSC Motor	400	2,484	15	\$200	\$0	\$ 0.114	50%	5.6	2.8	621	\$0.322	\$0.021	0.25	0.00	\$0.00	\$0.00	0.00%	0	0	9	41	94%	100%	100%	0	0	\$0	0	25,928	\$8,200				
Dishwasher			Dishwasher with Electric DHW	0.65 Energy Factor - Energy Star Recommended	1,538	215	0.46 Energy Factor - Federal Minimum Standard	2,174	215	11	\$15	\$0	\$ 0.114	50%	1.9	1.0	137	\$0.110	\$0.010	0.64	0.02	\$1.64	\$0.00	2.45%	0	0	3	12	94%	100%	100%	0	0	\$0	0	1,670	\$180				
Dishwasher			Dishwasher with Gas DHW	0.65 Energy Factor - Energy Star Recommended	870	215	0.46 Energy Factor - Federal Minimum Standard	1,229	215	11	\$5	\$0	\$ 0.114	50%	1.1	0.6	77	\$0.065	\$0.006	0.36	0.01	\$0.55	\$0.00	2.45%	0	0	23	110	94%	100%	100%	0	0	\$0	1	8,631	\$553				
Clothes Washer			Clothes Washer with Electric DHW	Energy Star Clothes washer	2,269	200	standard clothes washer	3,243	200	11	\$70	\$0	\$ 0.114	35%	9.0	5.8	195	\$0.359	\$0.033	0.97	0.02	\$26.66	\$0.00	1.64%	0	0	3	16	94%	100%	100%	0	0	\$0	0	3,175	\$1,129				
Clothes Washer			Clothes Washer with Gas DHW	Energy Star Clothes washer	281	200	standard clothes washer	410	200	11	\$24	\$0	\$ 0.114	35%	23.6	15.3	26	\$0.942	\$0.086	0.13	0.00	\$9.26	\$0.00	1.64%	0	0	31	147	94%	100%	100%	0	0	\$0	0	3,862	\$3,574				
Setback Thermostat			Setback Thermostat	Energy star programmable thermostat (assume 1 degree set back during heating, and 1 degree	2,049	628	standard programmable thermostat - not energy star	2,162	628	5	\$7	\$0	\$ 0.114	50%	1.8	0.9	71	\$0.102	\$0.020	0.11	0.00	\$0.00	\$0.00	0.00%	0	0	39	186	94%	100%	100%	0	0	\$0	0	13,539	\$1,360				
Heat Pump Water Heaters			Heat Pump Water Heaters - Weighted Average penalty / benefits from potential heating and cooling systems	2-19 EF heat pump water heater 40 gallon tank	1,869	1,073	Electric Resistance storage water heater 40 Gallon EFG 9106	4,500	1,073	13	\$550	\$650	\$ 0.114	48%	3.6	1.9	2,823	\$0.195	\$0.015	2.63	0.34	\$0.00	-\$37.08	12.00%	0	0	1	5	94%	100%	100%	0	0	\$0	2	14,374	\$2,750				
Evap Cooling (Denver/Front Range)			Evaporative Cooling Replacing 13 SEER central A/C (Tier 1) Replacement	3 Ton Evaporative Cooler	388	422	Conv Furn SEER 13 - New/ Remod Home 3 ton	3,220	422	15	\$125	\$4,715	-\$4,104	\$ 0.114	-3%	-30.1	-31.0	1,194	\$0.105	\$0.007	2.83	2.15	-\$10.26	\$0.00	70.00%	0	0	8	40	94%	100%	100%	0	0	\$0	81	48,646	\$5,000			
Evap Cooling (Denver/Front Range)			Evaporative Cooling Replacing 13 SEER central A/C (Tier 1) 1st Time Install	3 Ton Evaporative Cooler	388	422	Conv Furn SEER 13 - New/ Remod Home 3 ton	3,220	422	15	\$275	\$4,715	-\$4,104	\$ 0.114	-7%	-30.1	-32.1	1,194	\$0.230	\$0.015	2.83	2.15	-\$10.26	\$0.00	70.00%	0	0	4	20	94%	100%	100%	0	0	\$0	40	24,323	\$5,500			
Evap Cooling (Denver/Front Range)			High Efficiency Evaporative Replacing 13 SEER A/C 3 ton; (Tier 2) Replacement	High Effc. Evaporative Cooler 3 Tons	388	422	Conv Furn SEER 13 - New/ Remod Home 3 ton	3,220	422	15	\$525	\$4,715	-\$3,595	\$ 0.114	-15%	-26.4	-30.2	1,194	\$0.440	\$0.029	2.83	2.15	-\$6.77	\$0.00	70.00%	0	0	4	20	94%	100%	100%	0	0	\$0	40	24,323	\$10,500			
Evap Cooling (Denver/Front Range)			High Efficiency Evaporative Replacing 13 SEER A/C 3 ton; (Tier 2) 1st Time Install	High Effc. Evaporative Cooler 3 Tons	388	422	Conv Furn SEER 13 - New/ Remod Home 3 ton	3,220	422	15	\$625	\$4,715	-\$3,595	\$ 0.114	-17%	-26.4	-31.0	1,194	\$0.523	\$0.035	2.83	2.15	-\$6.77	\$0.00	70.00%	0	0	4	20	94%	100%	100%	0	0	\$0	40	24,323	\$12,500			
Evap Cooling (Denver/Front Range)			High Efficiency Evaporative Replacing 13 SEER central A/C 3 ton; (Tier 3) Replacement	Integrated HVAC with Ht Effc. Evap System	760	422	Conv Furn SEER 13 - New/ Remod Home 3 ton	3,220	422	15	\$1,000	\$4,715	-\$4,621	\$ 0.114																											