

Technical Top Twenty

CL&P Residential Existing Top Twenty by Technical Potential (GWh)

Base	Measure Number	Measure Name	Building Type	Technical GWh	TRC	Economic GWh
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	614.30	17.55	614.30
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	216.41	17.55	216.41
500	501	Heat Pump Water Heater (EF=2.5)	Single Family	214.43	1.33	214.43
600	602	Tier 3 CW (MEF=2.20)	Single Family	107.57	1.41	107.57
220	222	CFL Downlight	Single Family	83.75	4.35	83.75
100	102	15 SEER Split-System Air Conditioner	Single Family	79.75	1.37	79.75
100	103	17 SEER Split-System Air Conditioner	Single Family	79.71	0.67	0.00
500	501	Heat Pump Water Heater (EF=2.5)	Multi-family	79.11	1.03	79.11
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Single Family	73.57	1.35	73.57
700	711	Heat Pump Dryer	Single Family	67.95	0.38	0.00
180	181	Variable Speed Furnace Fan	Single Family	63.68	2.50	63.68
700	710	High Efficiency CD (EF=3.01 w/moisture sensor)	Single Family	59.96	0.83	0.00
300	302	HE Refrigerator - CEE tier 2 (Top Mount)	Single Family	59.76	1.36	59.76
300	301	HE Refrigerator - Energy Star version of above (Top Mount)	Single Family	56.02	2.89	56.02
220	221	Downlights - LED Replacement	Single Family	53.08	2.20	53.08
190	193	Ceiling R-11 to R-38 Insulation	Single Family	44.07	1.47	44.07
100	114	Duct Repair (0.32)	Single Family	41.74	6.04	41.74
910	912	Energy Star TV	Single Family	41.15	9.74	41.15
500	502	HE Water Heater (EF=0.93)	Single Family	39.40	0.86	0.00
500	508	Water Heater Blanket	Single Family	36.54	10.14	36.54

CL&P Residential Existing Top Twenty by Technical Potential (MW)

Base	Measure Number	Measure Name	Building Type	Technical MW	TRC	Economic MW
100	102	15 SEER Split-System Air Conditioner	Single Family	65.78	1.37	65.78
100	103	17 SEER Split-System Air Conditioner	Single Family	65.75	0.67	0.00
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Single Family	58.41	1.35	58.41
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	56.86	17.55	56.86
100	114	Duct Repair (0.32)	Single Family	34.43	6.04	34.43
100	113	Proper Refrigerant Charging and Air Flow	Single Family	27.24	4.40	27.24
500	501	Heat Pump Water Heater (EF=2.5)	Single Family	22.27	1.33	22.27
100	103	17 SEER Split-System Air Conditioner	Multi-family	21.98	0.71	0.00
100	102	15 SEER Split-System Air Conditioner	Multi-family	20.85	1.36	20.85
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Multi-family	20.44	4.21	20.44
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	20.03	17.55	20.03
140	142	HE Room Air Conditioner - CEE Tier 1 EER 11.3	Single Family	16.92	2.36	16.92
160	161	Energy Star Dehumidifier ROB (35-45 pints/day; EF = 1.50)	Single Family	16.18	24.30	16.18
140	152	2008 Energy Star Windows to Energy Star Phase-2 Windows	Single Family	15.61	0.27	0.00
130	131	15 SEER Split-System AC Early Replacement	Single Family	12.99	1.55	12.99
600	602	Tier 3 CW (MEF=2.20)	Single Family	12.92	1.41	12.92
140	141	HE Room Air Conditioner - Energy star EER 10.8	Single Family	12.28	3.19	12.28
100	112	Attic Venting	Single Family	11.08	1.55	11.08
910	912	Energy Star TV	Single Family	10.29	9.74	10.29
100	114	Duct Repair (0.32)	Multi-family	10.21	3.77	10.21

UI Residential Existing Top Twenty by Technical Potential (GWh)

Base	Measure Number	Measure Name	Building Type	Technical GWh	TRC	Economic GWh
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	143.67	17.55	143.67
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	79.19	17.55	79.19
500	501	Heat Pump Water Heater (EF=2.5)	Single Family	50.15	1.33	50.15
500	501	Heat Pump Water Heater (EF=2.5)	Multi-family	28.95	1.03	28.95
600	602	Tier 3 CW (MEF=2.20)	Single Family	25.16	1.41	25.16
220	222	CFL Downlight	Single Family	19.59	4.35	19.59
100	102	15 SEER Split-System Air Conditioner	Single Family	18.65	1.37	18.65
100	103	17 SEER Split-System Air Conditioner	Single Family	18.64	0.67	0.00
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Single Family	17.21	1.35	17.21
700	711	Heat Pump Dryer	Single Family	15.89	0.38	0.00
180	181	Variable Speed Furnace Fan	Single Family	14.89	2.50	14.89
700	710	High Efficiency CD (EF=3.01 w/moisture sensor)	Single Family	14.02	0.83	0.00
300	302	HE Refrigerator - CEE tier 2 (Top Mount)	Single Family	13.98	1.36	13.98
300	301	HE Refrigerator - Energy Star version of above (Top Mount)	Single Family	13.10	2.89	13.10
220	221	Downlights - LED Replacement	Single Family	12.41	2.20	12.41
600	602	Tier 3 CW (MEF=2.20)	Multi-family	11.55	1.24	11.55
300	302	HE Refrigerator - CEE tier 2 (Top Mount)	Multi-family	10.39	1.36	10.39
190	193	Ceiling R-11 to R-38 Insulation	Single Family	10.31	1.41	10.31
100	114	Duct Repair (0.32)	Single Family	9.76	6.04	9.76
100	103	17 SEER Split-System Air Conditioner	Multi-family	9.75	0.71	0.00

UI Residential Existing Top Twenty by Technical Potential (MW)

Base	Measure Number	Measure Name	Building Type	Technical MW	TRC	Economic MW
100	102	15 SEER Split-System Air Conditioner	Single Family	15.38	1.37	15.38
100	103	17 SEER Split-System Air Conditioner	Single Family	15.38	0.67	0.00
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Single Family	13.66	1.35	13.66
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	13.30	17.55	13.30
100	114	Duct Repair (0.32)	Single Family	8.05	6.04	8.05
100	103	17 SEER Split-System Air Conditioner	Multi-family	8.04	0.71	0.00
100	102	15 SEER Split-System Air Conditioner	Multi-family	7.63	1.36	7.63
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Multi-family	7.48	4.21	7.48
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	7.33	17.55	7.33
100	113	Proper Refrigerant Charging and Air Flow	Single Family	6.37	4.40	6.37
500	501	Heat Pump Water Heater (EF=2.5)	Single Family	5.21	1.33	5.21
140	142	HE Room Air Conditioner - CEE Tier 1 EER 11.3	Single Family	3.96	2.36	3.96
160	161	Energy Star Dehumidifier ROB (35-45 pints/day; EF = 1.50)	Single Family	3.78	24.30	3.78
100	114	Duct Repair (0.32)	Multi-family	3.74	3.77	3.74
140	152	2008 Energy Star Windows to Energy Star Phase-2 Windows	Single Family	3.65	0.27	0.00
130	131	15 SEER Split-System AC Early Replacement	Single Family	3.04	1.55	3.04
600	602	Tier 3 CW (MEF=2.20)	Single Family	3.02	1.41	3.02
500	501	Heat Pump Water Heater (EF=2.5)	Multi-family	3.01	1.03	3.01
100	113	Proper Refrigerant Charging and Air Flow	Multi-family	2.93	4.09	2.93
140	152	2008 Energy Star Windows to Energy Star Phase-2 Windows	Multi-family	2.91	1.25	2.91

Commercial Existing Top Twenty by Technical Potential (GWh)

Base	Measure Number	Measure Name	Technical GWh	TRC	Economic GWh
610	611	Plug Loads Efficient Equipment & Practices	879.81	201.15	879.81
160	161	CFL Screw-in 18W	469.94	41.14	469.94
220	221	High Pressure Sodium 250W Lamp	263.84	4.16	255.93
500	513	Refrigeration 30% More Efficient Design	263.14	24.48	263.14
320	321	DX Tune Up/ Advanced Diagnostics	199.19	4.31	199.19
130	133	RET 2L4' Premium T8, 1EB	197.46	24.07	197.46
110	114	RET 4L4' Premium T8, 1EB	168.71	45.05	168.71
165	166	CFL Hardwired, Modular 18W	156.65	25.87	153.79
320	328	High Performance HVAC R/R - 30%	149.72	5.54	149.72
190	191	ROB 2L4' Premium T8, 1EB	144.04	13.58	143.29
320	322	DX Packaged System, EER=10.9, 10 tons	143.00	1.24	112.82
110	115	RET 2L4' Premium T8, 1EB, Reflector	131.63	25.24	131.63
180	181	ROB 4L4' Premium T8, 1EB	129.91	16.07	129.87
175	176	High Bay T5	99.16	15.28	97.99
180	182	Occupancy Sensor, 4L4' Fluorescent Fixtures	73.09	3.18	73.07
500	510	Demand Defrost Electric	72.71	73.05	72.71
500	508	Refrigeration Commissioning	67.91	4.52	67.91
500	512	Refrigeration 15% More Efficient Design	66.73	11.79	66.73
320	323	Window Film (Standard)	60.42	3.05	58.84
600	602	Data Center Best Practices	59.78	66.16	59.78

Commercial Existing Top Twenty by Technical Potential (MW)

Base	Measure Number	Measure Name	Technical MW	TRC	Economic MW
610	611	Plug Loads Efficient Equipment & Practices	124.01	201.15	124.01
160	161	CFL Screw-in 18W	107.50	41.14	107.50
320	321	DX Tune Up/ Advanced Diagnostics	97.24	4.31	97.24
320	328	High Performance HVAC R/R - 30%	64.97	5.54	64.97
320	322	DX Packaged System, EER=10.9, 10 tons	46.54	1.24	36.72
130	133	RET 2L4' Premium T8, 1EB	43.33	24.07	43.33
110	114	RET 4L4' Premium T8, 1EB	37.37	45.05	37.37
165	166	CFL Hardwired, Modular 18W	35.83	25.87	35.19
320	323	Window Film (Standard)	31.46	3.05	30.64
190	191	ROB 2L4' Premium T8, 1EB	30.88	13.58	30.71
110	115	RET 2L4' Premium T8, 1EB, Reflector	28.63	25.24	28.63
180	181	ROB 4L4' Premium T8, 1EB	27.66	16.07	27.65
175	176	High Bay T5	22.88	15.28	22.62
320	325	Cool Roof - DX	17.76	0.65	10.28
110	118	Continuous Dimming, 5L4' Fluorescent Fixtures	15.61	0.37	0.00
500	513	Refrigeration 30% More Efficient Design	15.24	24.48	15.24
180	182	Occupancy Sensor, 4L4' Fluorescent Fixtures	14.77	3.18	14.77
320	326	Optimize Controls	14.59	1.76	12.93
130	137	Continuous Dimming, 10L4' Fluorescent Fixtures	13.88	0.42	0.00
150	153	RET 2 - 1L4' Premium T8, 1EB, Reflector OEM	11.47	14.46	11.21

Industrial Top Twenty by Technical Potential (GWh)

Base	Measure Number	Measure Name	Technical GWh	TRC	Economic GWh
810	814	Continuous Dimming, Fluorescent Fixtures	91.06	1.81	80.28
100	105	Compressed Air - System Optimization - 30% energy savings	79.54	17.36	79.54
300	305	Pumps - System Optimization - 30% savings	207.36	3.07	71.99
300	303	Pumps - Controls - 40% savings	114.20	9.32	63.83
400	434	Generic Drives Improvements 20%	173.59	1.41	61.64
200	203	Fans - Controls - 40% savings	134.89	2.41	55.50
200	208	Fans- Improve components - 20% savings	79.38	17.90	49.27
300	301	Pumps - O&M - 10% savings	48.29	24.44	48.29
400	429	Drives - Optimization process (M&T) - 20% savings	45.15	22.95	45.15
100	101	Compressed Air-O&M - 15% energy savings	161.79	13.02	41.48
100	108	Compressed Air- Sizing - 20% energy savings	117.50	18.02	37.97
550	553	Optimization Refrigeration - 25% savings	72.82	3.00	37.74
550	551	Efficient Refrigeration - Operations - 15% savings	35.08	22.41	35.08
820	824	Continuous Dimming, Fluorescent Fixtures	35.43	1.89	34.11
300	306	Pumps - System Optimization - 50% savings	253.49	0.92	5.24
200	205	Fans - System Optimization - 25% savings	168.65	2.13	30.41
200	202	Fans - O&M - 10% savings	30.11	80.51	30.11
100	106	Compressed Air - System Optimization - 50% energy savings	192.02	4.03	28.88
550	554	Optimization Refrigeration - 50% savings	94.69	1.30	21.87
710	711	DX Tune Up/ Advanced Diagnostics	33.61	4.17	19.72

Industrial Top Twenty by Technical Potential (MW)

Base	Measure Number	Measure Name	Technical MW	TRC	Economic MW
810	814	Continuous Dimming, Fluorescent Fixtures	16.43	1.81	16.43
400	434	Generic Drives Improvements 20%	13.32	1.41	13.32
710	711	DX Tune Up/ Advanced Diagnostics	12.54	4.17	12.54
200	208	Fans- Improve components - 20% savings	9.89	17.90	9.89
300	301	Pumps - O&M - 10% savings	9.61	24.44	9.61
100	105	Compressed Air - System Optimization - 30% energy savings	8.78	17.36	8.78
100	101	Compressed Air-O&M - 15% energy savings	8.18	13.02	8.18
300	305	Pumps - System Optimization - 30% savings	8.04	3.07	8.04
700	703	EMS - Chiller	7.83	4.76	7.83
100	108	Compressed Air- Sizing - 20% energy savings	7.47	18.02	7.47
300	307	Pumps - Sizing - 20% savings	7.35	5.38	7.35
820	824	Continuous Dimming, Fluorescent Fixtures	6.75	1.89	6.75
710	716	Cool Roof - DX	6.19	2.44	6.19
200	202	Fans - O&M - 10% savings	6.04	80.51	6.04
710	713	Window Film - DX	5.69	6.00	5.69
400	429	Drives - Optimization process (M&T) - 20% savings	5.61	22.95	5.61
550	553	Optimization Refrigeration - 25% savings	5.10	3.00	5.10
550	551	Efficient Refrigeration - Operations - 15% savings	4.74	22.41	4.74
700	702	Window Film - Chiller	4.58	3.09	4.58
700	706	Cooling Circ. Pumps - VSD	4.23	5.43	4.23

Economic Top Twenty

CL&P Residential Existing Top Twenty by Economic Potential (GWh)

Base	Measure Number	Measure Name	Building Type	Technical GWh	TRC	Economic GWh
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	614.30	17.55	614.30
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	216.41	17.55	216.41
500	501	Heat Pump Water Heater (EF=2.5)	Single Family	214.43	1.33	214.43
600	602	Tier 3 CW (MEF=2.20)	Single Family	107.57	1.41	107.57
220	222	CFL Downlight	Single Family	83.75	4.35	83.75
100	102	15 SEER Split-System Air Conditioner	Single Family	79.75	1.37	79.75
500	501	Heat Pump Water Heater (EF=2.5)	Multi-family	79.11	1.03	79.11
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Single Family	73.57	1.35	73.57
180	181	Variable Speed Furnace Fan	Single Family	63.68	2.50	63.68
300	302	HE Refrigerator - CEE tier 2 (Top Mount)	Single Family	59.76	1.36	59.76
300	301	HE Refrigerator - Energy Star version of above (Top Mount)	Single Family	56.02	2.89	56.02
220	221	Downlights - LED Replacement	Single Family	53.08	2.20	53.08
190	193	Ceiling R-11 to R-38 Insulation	Single Family	44.07	1.47	44.07
100	114	Duct Repair (0.32)	Single Family	41.74	6.04	41.74
910	912	Energy Star TV	Single Family	41.15	9.74	41.15
500	508	Water Heater Blanket	Single Family	36.54	10.14	36.54
230	231	ROB 2L4T8, 1EB	Single Family	34.47	9.14	34.47
100	113	Proper Refrigerant Charging and Air Flow	Single Family	33.02	4.40	33.02
310	311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	32.88	2.08	32.88
400	401	HE Freezer	Single Family	31.88	4.08	31.88

CL&P Residential Existing Top Twenty by Economic Potential (MW)

Base	Measure Number	Measure Name	Building Type	Technical MW	TRC	Economic MW
100	102	15 SEER Split-System Air Conditioner	Single Family	65.78	1.37	65.78
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Single Family	58.41	1.35	58.41
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	56.86	17.55	56.86
100	114	Duct Repair (0.32)	Single Family	34.43	6.04	34.43
100	113	Proper Refrigerant Charging and Air Flow	Single Family	27.24	4.40	27.24
500	501	Heat Pump Water Heater (EF=2.5)	Single Family	22.27	1.33	22.27
100	102	15 SEER Split-System Air Conditioner	Multi-family	20.85	1.36	20.85
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Multi-family	20.44	4.21	20.44
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	20.03	17.55	20.03
140	142	HE Room Air Conditioner - CEE Tier 1 EER 11.3	Single Family	16.92	2.36	16.92
160	161	Energy Star Dehumidifier ROB (35-45 pints/day; EF = 1.50)	Single Family	16.18	24.30	16.18
130	131	15 SEER Split-System AC Early Replacement	Single Family	12.99	1.55	12.99
600	602	Tier 3 CW (MEF=2.20)	Single Family	12.92	1.41	12.92
140	141	HE Room Air Conditioner - Energy star EER 10.8	Single Family	12.28	3.19	12.28
100	112	Attic Venting	Single Family	11.08	1.55	11.08
910	912	Energy Star TV	Single Family	10.29	9.74	10.29
100	114	Duct Repair (0.32)	Multi-family	10.21	3.77	10.21
900	901	Variable Speed Pool Pump (1.5 hp)	Single Family	10.20	1.09	10.20
140	155	Wall 2x4 R-0 to Blow-In R-13 Insulation (0.14)	Single Family	9.28	1.36	9.28
300	302	HE Refrigerator - CEE tier 2 (Top Mount)	Single Family	8.99	1.36	8.99

UI Residential Existing Top Twenty by Economic Potential (GWh)

Base	Measure Number	Measure Name	Building Type	Technical GWh	TRC	Economic GWh
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	143.67	17.55	143.67
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	79.19	17.55	79.19
500	501	Heat Pump Water Heater (EF=2.5)	Single Family	50.15	1.33	50.15
500	501	Heat Pump Water Heater (EF=2.5)	Multi-family	28.95	1.03	28.95
600	602	Tier 3 CW (MEF=2.20)	Single Family	25.16	1.41	25.16
220	222	CFL Downlight	Single Family	19.59	4.35	19.59
100	102	15 SEER Split-System Air Conditioner	Single Family	18.65	1.37	18.65
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Single Family	17.21	1.35	17.21
180	181	Variable Speed Furnace Fan	Single Family	14.89	2.50	14.89
300	302	HE Refrigerator - CEE tier 2 (Top Mount)	Single Family	13.98	1.36	13.98
300	301	HE Refrigerator - Energy Star version of above (Top Mount)	Single Family	13.10	2.89	13.10
220	221	Downlights - LED Replacement	Single Family	12.41	2.20	12.41
600	602	Tier 3 CW (MEF=2.20)	Multi-family	11.55	1.24	11.55
300	302	HE Refrigerator - CEE tier 2 (Top Mount)	Multi-family	10.39	1.36	10.39
190	193	Ceiling R-11 to R-38 Insulation	Single Family	10.31	1.41	10.31
100	114	Duct Repair (0.32)	Single Family	9.76	6.04	9.76
300	301	HE Refrigerator - Energy Star version of above (Top Mount)	Multi-family	9.74	2.89	9.74
910	912	Energy Star TV	Single Family	9.62	9.74	9.62
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Multi-family	9.42	4.21	9.42
100	102	15 SEER Split-System Air Conditioner	Multi-family	9.25	1.36	9.25

UI Residential Existing Top Twenty by Economic Potential (MW)

Base	Measure Number	Measure Name	Building Type	Technical MW	TRC	Economic MW
100	102	15 SEER Split-System Air Conditioner	Single Family	15.38	1.37	15.38
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Single Family	13.66	1.35	13.66
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	13.30	17.55	13.30
100	114	Duct Repair (0.32)	Single Family	8.05	6.04	8.05
100	102	15 SEER Split-System Air Conditioner	Multi-family	7.63	1.36	7.63
100	118	2008 Energy Star Windows to Energy Star Phase-2 Windows	Multi-family	7.48	4.21	7.48
210	211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	7.33	17.55	7.33
100	113	Proper Refrigerant Charging and Air Flow	Single Family	6.37	4.40	6.37
500	501	Heat Pump Water Heater (EF=2.5)	Single Family	5.21	1.33	5.21
140	142	HE Room Air Conditioner - CEE Tier 1 EER 11.3	Single Family	3.96	2.36	3.96
160	161	Energy Star Dehumidifier ROB (35-45 pints/day; EF = 1.50)	Single Family	3.78	24.30	3.78
100	114	Duct Repair (0.32)	Multi-family	3.74	3.77	3.74
130	131	15 SEER Split-System AC Early Replacement	Single Family	3.04	1.55	3.04
600	602	Tier 3 CW (MEF=2.20)	Single Family	3.02	1.41	3.02
500	501	Heat Pump Water Heater (EF=2.5)	Multi-family	3.01	1.03	3.01
100	113	Proper Refrigerant Charging and Air Flow	Multi-family	2.93	4.09	2.93
140	152	2008 Energy Star Windows to Energy Star Phase-2 Windows	Multi-family	2.91	1.25	2.91
140	141	HE Room Air Conditioner - Energy star EER 10.8	Single Family	2.87	3.19	2.87
100	112	Attic Venting	Single Family	2.59	1.55	2.59
140	142	HE Room Air Conditioner - CEE Tier 1 EER 11.3	Multi-family	2.55	2.36	2.55

Commercial Existing Top Twenty by Economic Potential (GWh)

Base	Measure Number	Measure Name	Technical GWh	TRC	Economic GWh
610	611	Plug Loads Efficient Equipment & Practices	879.81	201.15	879.81
160	161	CFL Screw-in 18W	469.94	41.14	469.94
500	513	Refrigeration 30% More Efficient Design	263.14	24.48	263.14
220	221	High Pressure Sodium 250W Lamp	263.84	4.16	255.93
320	321	DX Tune Up/ Advanced Diagnostics	199.19	4.31	199.19
130	133	RET 2L4' Premium T8, 1EB	197.46	24.07	197.46
110	114	RET 4L4' Premium T8, 1EB	168.71	45.05	168.71
165	166	CFL Hardwired, Modular 18W	156.65	25.87	153.79
320	328	High Performance HVAC R/R - 30%	149.72	5.54	149.72
190	191	ROB 2L4' Premium T8, 1EB	144.04	13.58	143.29
110	115	RET 2L4' Premium T8, 1EB, Reflector	131.63	25.24	131.63
180	181	ROB 4L4' Premium T8, 1EB	129.91	16.07	129.87
320	322	DX Packaged System, EER=10.9, 10 tons	143.00	1.24	112.82
175	176	High Bay T5	99.16	15.28	97.99
180	182	Occupancy Sensor, 4L4' Fluorescent Fixtures	73.09	3.18	73.07
500	510	Demand Defrost Electric	72.71	73.05	72.71
500	508	Refrigeration Commissioning	67.91	4.52	67.91
500	512	Refrigeration 15% More Efficient Design	66.73	11.79	66.73
600	602	Data Center Best Practices	59.78	66.16	59.78
320	323	Window Film (Standard)	60.42	3.05	58.84

Commercial Existing Top Twenty by Economic Potential (MW)

Base	Measure Number	Measure Name	Technical MW	TRC	Economic MW
610	611	Plug Loads Efficient Equipment & Practices	124.01	201.15	124.01
160	161	CFL Screw-in 18W	107.50	41.14	107.50
320	321	DX Tune Up/ Advanced Diagnostics	97.24	4.31	97.24
320	328	High Performance HVAC R/R - 30%	64.97	5.54	64.97
130	133	RET 2L4' Premium T8, 1EB	43.33	24.07	43.33
110	114	RET 4L4' Premium T8, 1EB	37.37	45.05	37.37
320	322	DX Packaged System, EER=10.9, 10 tons	46.54	1.24	36.72
165	166	CFL Hardwired, Modular 18W	35.83	25.87	35.19
190	191	ROB 2L4' Premium T8, 1EB	30.88	13.58	30.71
320	323	Window Film (Standard)	31.46	3.05	30.64
110	115	RET 2L4' Premium T8, 1EB, Reflector	28.63	25.24	28.63
180	181	ROB 4L4' Premium T8, 1EB	27.66	16.07	27.65
175	176	High Bay T5	22.88	15.28	22.62
500	513	Refrigeration 30% More Efficient Design	15.24	24.48	15.24
180	182	Occupancy Sensor, 4L4' Fluorescent Fixtures	14.77	3.18	14.77
320	326	Optimize Controls	14.59	1.76	12.93
150	153	RET 2 - 1L4' Premium T8, 1EB, Reflector OEM	11.47	14.46	11.21
320	325	Cool Roof - DX	17.76	0.65	10.28
130	134	RET 1L4' Premium T8, 1EB, Reflector OEM	10.92	12.53	10.10
110	122	High Performance Lighting R/R - 50% Savings	9.99	13.61	9.99

Industrial Top Twenty by Economic Potential (GWh)

Base	Measure Number	Measure Name	Technical GWh	TRC	Economic GWh
810	814	Continuous Dimming, Fluorescent Fixtures	80.28	1.81	80.28
100	105	Compressed Air - System Optimization - 30% energy savings	79.54	17.36	79.54
300	305	Pumps - System Optimization - 30% savings	71.99	3.07	71.99
300	303	Pumps - Controls - 40% savings	63.83	9.32	63.83
400	434	Generic Drives Improvements 20%	61.64	1.41	61.64
200	203	Fans - Controls - 40% savings	55.50	2.41	55.50
200	208	Fans- Improve components - 20% savings	49.27	17.90	49.27
300	301	Pumps - O&M - 10% savings	48.29	24.44	48.29
400	429	Drives - Optimization process (M&T) - 20% savings	45.15	22.95	45.15
100	101	Compressed Air-O&M - 15% energy savings	41.48	13.02	41.48
100	108	Compressed Air- Sizing - 20% energy savings	37.97	18.02	37.97
550	553	Optimization Refrigeration - 25% savings	37.74	3.00	37.74
550	551	Efficient Refrigeration - Operations - 15% savings	35.08	22.41	35.08
820	824	Continuous Dimming, Fluorescent Fixtures	34.11	1.89	34.11
200	205	Fans - System Optimization - 25% savings	30.41	2.13	30.41
200	202	Fans - O&M - 10% savings	30.11	80.51	30.11
100	106	Compressed Air - System Optimization - 50% energy savings	28.88	4.03	28.88
550	554	Optimization Refrigeration - 50% savings	21.87	1.30	21.87
710	711	DX Tune Up/ Advanced Diagnostics	19.72	4.17	19.72
500	511	Heating - Optimization process (M&T) - 10% savings	18.21	8.41	18.21

Industrial Top Twenty by Economic Potential (MW)

Base	Measure Number	Measure Name	Technical MW	TRC	Economic MW
810	814	Continuous Dimming, Fluorescent Fixtures	16.43	1.81	16.43
400	434	Generic Drives Improvements 20%	13.32	1.41	13.32
710	711	DX Tune Up/ Advanced Diagnostics	12.54	4.17	12.54
200	208	Fans- Improve components - 20% savings	9.89	17.90	9.89
300	301	Pumps - O&M - 10% savings	9.61	24.44	9.61
100	105	Compressed Air - System Optimization - 30% energy savings	8.78	17.36	8.78
100	101	Compressed Air-O&M - 15% energy savings	8.18	13.02	8.18
300	305	Pumps - System Optimization - 30% savings	8.04	3.07	8.04
700	703	EMS - Chiller	7.83	4.76	7.83
100	108	Compressed Air- Sizing - 20% energy savings	7.47	18.02	7.47
300	307	Pumps - Sizing - 20% savings	7.35	5.38	7.35
820	824	Continuous Dimming, Fluorescent Fixtures	6.75	1.89	6.75
710	716	Cool Roof - DX	6.19	2.44	6.19
200	202	Fans - O&M - 10% savings	6.04	80.51	6.04
710	713	Window Film - DX	5.69	6.00	5.69
400	429	Drives - Optimization process (M&T) - 20% savings	5.61	22.95	5.61
550	553	Optimization Refrigeration - 25% savings	5.10	3.00	5.10
550	551	Efficient Refrigeration - Operations - 15% savings	4.74	22.41	4.74
700	702	Window Film - Chiller	4.58	3.09	4.58
700	706	Cooling Circ. Pumps - VSD	4.23	5.43	4.23

Base Funding Achievable Potential Top Twenty

CL&P Residential Existing Base Funding Achievable Potential Top Twenty (GWh)

Measure Number	Measure Name	Building Type	Achievable kWh	Achievable GWh
211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	136,202,195	136.20
211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	47,987,360	47.99
193	Ceiling R-11 to R-38 Insulation	Single Family	31,408,504	31.41
508	Water Heater Blanket	Single Family	25,118,312	25.12
912	Energy Star TV	Single Family	24,571,329	24.57
505	Low Flow Showerhead	Single Family	24,047,033	24.05
221	Downlights - LED Replacement	Single Family	23,815,008	23.82
196	Infiltration Reduction (0.4)	Single Family	22,650,961	22.65
501	Heat Pump Water Heater (EF=2.5)	Single Family	20,985,802	20.99
192	Ceiling R-0 to R-38 Insulation	Single Family	18,140,263	18.14
232	RET 2L4T8, 1EB	Single Family	18,051,396	18.05
911	Energy Star Computer	Single Family	15,941,673	15.94
195	Wall Blow-in R-0 to R-13 Insulation	Multi-family	15,502,593	15.50
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	14,160,911	14.16
196	Infiltration Reduction (0.4)	Multi-family	13,841,057	13.84
602	Tier 3 CW (MEF=2.20)	Single Family	13,622,674	13.62
505	Low Flow Showerhead	Multi-family	12,134,720	12.13
507	Faucet Aerators	Single Family	11,766,110	11.77
912	Energy Star TV	Multi-family	10,473,106	10.47
508	Water Heater Blanket	Multi-family	10,400,888	10.40

CL&P Residential Base Funding Existing Achievable Potential Top Twenty (MW)

Measure Number	Measure Name	Building Type	Achievable kW	Achievable MW
211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	12,608	12.61
161	Energy Star Dehumidifier ROB (35-45 pints/day; EF = 1.50)	Single Family	6,984	6.98
912	Energy Star TV	Single Family	6,141	6.14
112	Attic Venting	Single Family	5,908	5.91
120	Ceiling R-0 to R-19 Insulation(.29)	Single Family	5,666	5.67
114	Duct Repair (0.32)	Single Family	5,120	5.12
211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	4,442	4.44
911	Energy Star Computer	Single Family	3,984	3.98
113	Proper Refrigerant Charging and Air Flow	Single Family	3,517	3.52
171	EER 8.5 AC Early Replacement	Single Family	2,659	2.66
912	Energy Star TV	Multi-family	2,617	2.62
508	Water Heater Blanket	Single Family	2,608	2.61
505	Low Flow Showerhead	Single Family	2,497	2.50
153	Ceiling R-0 to R-19 Insulation (.29)	Single Family	2,239	2.24
221	Downlights - LED Replacement	Single Family	2,204	2.20
501	Heat Pump Water Heater (EF=2.5)	Single Family	2,179	2.18
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	2,131	2.13
911	Energy Star Computer	Multi-family	1,911	1.91
155	Wall 2x4 R-0 to Blow-In R-13 Insulation (0.14)	Single Family	1,881	1.88
155	Wall 2x4 R-0 to Blow-In R-13 Insulation (0.14)	Multi-family	1,690	1.69

UI Residential Base Funding Existing Achievable Potential Top Twenty (GWh)

Measure Number	Measure Name	Building Type	Achievable kWh	Achievable GWh
211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	21,255,670	21.26
211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	11,717,182	11.72
193	Ceiling R-11 to R-38 Insulation	Single Family	5,429,637	5.43
221	Downlights - LED Replacement	Single Family	4,958,281	4.96
508	Water Heater Blanket	Single Family	4,595,908	4.60
505	Low Flow Showerhead	Single Family	4,495,958	4.50
195	Wall Blow-in R-0 to R-13 Insulation	Multi-family	4,417,501	4.42
196	Infiltration Reduction (0.4)	Single Family	4,015,490	4.02
196	Infiltration Reduction (0.4)	Multi-family	3,851,753	3.85
505	Low Flow Showerhead	Multi-family	3,548,327	3.55
192	Ceiling R-0 to R-38 Insulation	Single Family	3,502,872	3.50
501	Heat Pump Water Heater (EF=2.5)	Single Family	3,399,141	3.40
232	RET 2L4T8, 1EB	Single Family	3,271,792	3.27
508	Water Heater Blanket	Multi-family	2,959,860	2.96
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	2,753,518	2.75
912	Energy Star TV	Single Family	2,557,390	2.56
507	Faucet Aerators	Single Family	2,139,680	2.14
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Multi-family	2,047,953	2.05
198	Programmable Thermostat	Single Family	2,001,293	2.00
193	Ceiling R-11 to R-38 Insulation	Multi-family	1,796,752	1.80

UI Residential Existing Base Funding Achievable Potential Top Twenty (MW)

Measure Number	Measure Name	Building Type	Achievable kW	Achievable MW
211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	1,968	1.97
114	Duct Repair (0.32)	Single Family	1,429	1.43
211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	1,085	1.08
112	Attic Venting	Single Family	1,056	1.06
113	Proper Refrigerant Charging and Air Flow	Single Family	992	0.99
120	Ceiling R-0 to R-19 Insulation(.29)	Single Family	985	0.99
912	Energy Star TV	Single Family	639	0.64
161	Energy Star Dehumidifier ROB (35-45 pints/day; EF = 1.50)	Single Family	636	0.64
508	Water Heater Blanket	Single Family	477	0.48
912	Energy Star TV	Multi-family	474	0.47
155	Wall 2x4 R-0 to Blow-In R-13 Insulation (0.14)	Multi-family	472	0.47
505	Low Flow Showerhead	Single Family	467	0.47
221	Downlights - LED Replacement	Single Family	459	0.46
171	EER 8.5 AC Early Replacement	Single Family	418	0.42
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	414	0.41
911	Energy Star Computer	Single Family	413	0.41
153	Ceiling R-0 to R-19 Insulation (.29)	Single Family	409	0.41
155	Wall 2x4 R-0 to Blow-In R-13 Insulation (0.14)	Single Family	403	0.40
113	Proper Refrigerant Charging and Air Flow	Multi-family	385	0.39
505	Low Flow Showerhead	Multi-family	368	0.37

Commercial Base Funding Achievable Potential Top Twenty (GWh)

Measure Number	Measure Name	Building Type	Achievable kWh	Achievable GWh
611	Plug Loads Efficient Equipment & Practices	Office	54,463,864	54.46
221	High Pressure Sodium 250W Lamp	Office	48,035,251	48.04
513	Refrigeration 30% More Efficient Design	Grocery	28,617,555	28.62
182	Occupancy Sensor, 4L4' Fluorescent Fixtures	Office	25,904,386	25.90
328	High Performance HVAC R/R - 30%	Office	24,414,937	24.41
133	RET 2L4' Premium T8, 1EB	Office	22,289,627	22.29
510	Demand Defrost Electric	Grocery	21,397,604	21.40
501	High-efficiency fan motors	Grocery	20,562,349	20.56
508	Refrigeration Commissioning	Grocery	19,669,542	19.67
115	RET 2L4' Premium T8, 1EB, Reflector	Office	18,905,622	18.91
221	High Pressure Sodium 250W Lamp	Retail	18,893,714	18.89
133	RET 2L4' Premium T8, 1EB	Retail	17,644,625	17.64
221	High Pressure Sodium 250W Lamp	Grocery	17,529,776	17.53
192	Occupancy Sensor, 8L4' Fluorescent Fixtures	Office	17,194,655	17.19
176	High Bay T5	Office	17,123,728	17.12
176	High Bay T5	Retail	16,308,436	16.31
133	RET 2L4' Premium T8, 1EB	Health Care	14,688,003	14.69
114	RET 4L4' Premium T8, 1EB	Office	14,525,155	14.53
114	RET 4L4' Premium T8, 1EB	Other	14,457,254	14.46
161	CFL Screw-in 18W	Other	13,162,210	13.16

Commercial Base Funding Achievable Potential Top Twenty (MW)

Measure Number	Measure Name	Building Type	Achievable kW	Achievable MW
328	High Performance HVAC R/R - 30%	Office	10,594	10.59
611	Plug Loads Efficient Equipment & Practices	Office	8,063	8.06
182	Occupancy Sensor, 4L4' Fluorescent Fixtures	Office	5,212	5.21
133	RET 2L4' Premium T8, 1EB	Retail	4,941	4.94
176	High Bay T5	Retail	4,567	4.57
133	RET 2L4' Premium T8, 1EB	Office	4,485	4.48
323	Window Film (Standard)	Office	4,021	4.02
323	Window Film (Standard)	Restaurant	3,885	3.89
328	High Performance HVAC R/R - 30%	Other	3,853	3.85
328	High Performance HVAC R/R - 30%	Education	3,825	3.83
115	RET 2L4' Premium T8, 1EB, Reflector	Office	3,804	3.80
176	High Bay T5	Office	3,445	3.45
114	RET 4L4' Premium T8, 1EB	Other	3,250	3.25
161	CFL Screw-in 18W	Retail	3,229	3.23
161	CFL Screw-in 18W	Other	2,959	2.96
114	RET 4L4' Premium T8, 1EB	Office	2,922	2.92
153	RET 2 - 1L4' Premium T8, 1EB, Reflector OEM	Grocery	2,908	2.91
328	High Performance HVAC R/R - 30%	Restaurant	2,880	2.88
133	RET 2L4' Premium T8, 1EB	Health Care	2,742	2.74
115	RET 2L4' Premium T8, 1EB, Reflector	Other	2,513	2.51

Industrial Base Funding Achievable Potential Top Twenty GWh

Base Number	Measure Number	Measure Name	Achievable kWh	Achievable GWh
300	305	Pumps - System Optimization - 30% savings	51,909,605	51.91
100	105	Compressed Air - System Optimization - 30% energy savings	43,717,171	43.72
200	203	Fans - Controls - 40% savings	41,643,337	41.64
300	303	Pumps - Controls - 40% savings	40,656,790	40.66
810	814	Continuous Dimming, Fluorescent Fixtures	38,150,079	38.15
400	434	Generic Drives Improvements 20%	35,688,829	35.69
550	553	Optimization Refrigeration - 25% savings	27,893,895	27.89
300	301	Pumps - O&M - 10% savings	25,247,279	25.25
400	429	Drives - Optimization process (M&T) - 20% savings	22,887,088	22.89
100	106	Compressed Air - System Optimization - 50% energy savings	21,949,266	21.95
100	101	Compressed Air-O&M - 15% energy savings	18,752,170	18.75
200	205	Fans - System Optimization - 25% savings	18,047,343	18.05
550	551	Efficient Refrigeration - Operations - 15% savings	17,813,368	17.81
820	824	Continuous Dimming, Fluorescent Fixtures	16,727,354	16.73
710	711	DX Tune Up/ Advanced Diagnostics	15,002,541	15.00
400	430	Drives - Optimization process (M&T) - 30% savings	12,818,888	12.82
200	208	Fans- Improve components - 20% savings	12,622,335	12.62
200	202	Fans - O&M - 10% savings	12,564,057	12.56
500	511	Heating - Optimization process (M&T) - 10% savings	10,945,243	10.95
550	554	Optimization Refrigeration - 50% savings	9,882,447	9.88

Industrial Base Funding Achievable Potential Top Twenty MW

Base Number	Measure Number	Measure Name	Achievable kW	Achievable MW
710	711	DX Tune Up/ Advanced Diagnostics	9,540	9.54
810	814	Continuous Dimming, Fluorescent Fixtures	7,798	7.80
400	434	Generic Drives Improvements 20%	7,626	7.63
700	703	EMS - Chiller	5,919	5.92
300	305	Pumps - System Optimization - 30% savings	5,796	5.80
300	301	Pumps - O&M - 10% savings	5,025	5.03
100	105	Compressed Air - System Optimization - 30% energy savings	4,824	4.82
710	713	Window Film - DX	4,342	4.34
710	716	Cool Roof - DX	4,090	4.09
550	553	Optimization Refrigeration - 25% savings	3,766	3.77
100	101	Compressed Air-O&M - 15% energy savings	3,707	3.71
820	824	Continuous Dimming, Fluorescent Fixtures	3,311	3.31
700	702	Window Film - Chiller	3,269	3.27
700	706	Cooling Circ. Pumps - VSD	3,230	3.23
400	429	Drives - Optimization process (M&T) - 20% savings	2,844	2.84
200	208	Fans- Improve components - 20% savings	2,534	2.53
200	202	Fans - O&M - 10% savings	2,522	2.52
100	106	Compressed Air - System Optimization - 50% energy savings	2,423	2.42
550	551	Efficient Refrigeration - Operations - 15% savings	2,405	2.40
200	205	Fans - System Optimization - 25% savings	2,021	2.02

Current Funding Achievable Potential Top Twenty

CL&P Residential Existing Current Funding Achievable Potential Top Twenty (GWh)

Measure Number	Measure Name	Building Type	Achievable kWh	Achievable GWh
211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	183,878,707	183.88
211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	64,784,383	64.78
193	Ceiling R-11 to R-38 Insulation	Single Family	31,809,524	31.81
508	Water Heater Blanket	Single Family	25,121,264	25.12
912	Energy Star TV	Single Family	24,979,154	24.98
221	Downlights - LED Replacement	Single Family	24,314,599	24.31
505	Low Flow Showerhead	Single Family	24,094,265	24.09
196	Infiltration Reduction (0.4)	Single Family	22,845,448	22.85
501	Heat Pump Water Heater (EF=2.5)	Single Family	21,608,720	21.61
232	RET 2L4'T8, 1EB	Single Family	18,274,282	18.27
192	Ceiling R-0 to R-38 Insulation	Single Family	18,144,610	18.14
911	Energy Star Computer	Single Family	16,192,823	16.19
195	Wall Blow-in R-0 to R-13 Insulation	Multi-family	15,552,265	15.55
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	14,469,597	14.47
602	Tier 3 CW (MEF=2.20)	Single Family	14,036,413	14.04
196	Infiltration Reduction (0.4)	Multi-family	14,005,384	14.01
505	Low Flow Showerhead	Multi-family	12,160,087	12.16
507	Faucet Aerators	Single Family	11,820,224	11.82
181	Variable Speed Furnace Fan	Single Family	10,704,684	10.70
912	Energy Star TV	Multi-family	10,651,563	10.65

CL&P Residential Existing Achievable Potential Top Twenty (MW)

Measure Number	Measure Name	Building Type	Achievable kW	Achievable MW
211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	17,021	17.02
161	Energy Star Dehumidifier ROB (35-45 pints/day; EF = 1.50)	Single Family	7,185	7.18
912	Energy Star TV	Single Family	6,243	6.24
112	Attic Venting	Single Family	6,019	6.02
211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	5,997	6.00
120	Ceiling R-0 to R-19 Insulation(.29)	Single Family	5,712	5.71
114	Duct Repair (0.32)	Single Family	5,256	5.26
911	Energy Star Computer	Single Family	4,047	4.05
113	Proper Refrigerant Charging and Air Flow	Single Family	3,612	3.61
171	EER 8.5 AC Early Replacement	Single Family	2,691	2.69
912	Energy Star TV	Multi-family	2,662	2.66
508	Water Heater Blanket	Single Family	2,609	2.61
505	Low Flow Showerhead	Single Family	2,502	2.50
153	Ceiling R-0 to R-19 Insulation (.29)	Single Family	2,285	2.28
221	Downlights - LED Replacement	Single Family	2,251	2.25
501	Heat Pump Water Heater (EF=2.5)	Single Family	2,244	2.24
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	2,177	2.18
911	Energy Star Computer	Multi-family	1,941	1.94
155	Wall 2x4 R-0 to Blow-In R-13 Insulation (0.14)	Single Family	1,931	1.93
155	Wall 2x4 R-0 to Blow-In R-13 Insulation (0.14)	Multi-family	1,698	1.70

UI Residential Existing Current Funding Achievable Potential Top Twenty (GWh)

Measure Number	Measure Name	Building Type	Achievable kWh	Achievable GWh
211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	24,290,215	24.29
211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	13,389,955	13.39
193	Ceiling R-11 to R-38 Insulation	Single Family	6,195,196	6.20
221	Downlights - LED Replacement	Single Family	5,796,461	5.80
195	Wall Blow-in R-0 to R-13 Insulation	Multi-family	4,815,354	4.82
505	Low Flow Showerhead	Single Family	4,801,031	4.80
508	Water Heater Blanket	Single Family	4,782,966	4.78
196	Infiltration Reduction (0.4)	Single Family	4,487,437	4.49
196	Infiltration Reduction (0.4)	Multi-family	4,361,568	4.36
501	Heat Pump Water Heater (EF=2.5)	Single Family	4,208,042	4.21
505	Low Flow Showerhead	Multi-family	3,792,450	3.79
232	RET 2L4T8, 1EB	Single Family	3,697,468	3.70
192	Ceiling R-0 to R-38 Insulation	Single Family	3,681,361	3.68
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	3,259,586	3.26
912	Energy Star TV	Single Family	3,111,735	3.11
508	Water Heater Blanket	Multi-family	3,094,080	3.09
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Multi-family	2,424,344	2.42
507	Faucet Aerators	Single Family	2,341,249	2.34
198	Programmable Thermostat	Single Family	2,310,977	2.31
114	Duct Repair (0.32)	Single Family	2,080,342	2.08

UI Residential Existing Achievable Potential Top Twenty (MW)

Measure Number	Measure Name	Building Type	Achievable kW	Achievable MW
211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	2,248	2.25
114	Duct Repair (0.32)	Single Family	1,716	1.72
211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	1,239	1.24
112	Attic Venting	Single Family	1,236	1.24
113	Proper Refrigerant Charging and Air Flow	Single Family	1,195	1.20
120	Ceiling R-0 to R-19 Insulation(.29)	Single Family	1,103	1.10
161	Energy Star Dehumidifier ROB (35-45 pints/day; EF = 1.50)	Single Family	784	0.78
912	Energy Star TV	Single Family	778	0.78
912	Energy Star TV	Multi-family	577	0.58
221	Downlights - LED Replacement	Single Family	537	0.54
155	Wall 2x4 R-0 to Blow-In R-13 Insulation (0.14)	Multi-family	519	0.52
911	Energy Star Computer	Single Family	503	0.50
505	Low Flow Showerhead	Single Family	499	0.50
508	Water Heater Blanket	Single Family	497	0.50
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	491	0.49
155	Wall 2x4 R-0 to Blow-In R-13 Insulation (0.14)	Single Family	490	0.49
153	Ceiling R-0 to R-19 Insulation (.29)	Single Family	481	0.48
171	EER 8.5 AC Early Replacement	Single Family	481	0.48
113	Proper Refrigerant Charging and Air Flow	Multi-family	466	0.47
501	Heat Pump Water Heater (EF=2.5)	Single Family	437	0.44

Commercial Current Funding Achievable Potential Top Twenty (GWh)

Measure Number	Measure Name	Building Type	Achievable kWh	Achievable GWh
611	Plug Loads Efficient Equipment & Practices	Office	70,298,583	70.30
221	High Pressure Sodium 250W Lamp	Office	55,984,684	55.98
513	Refrigeration 30% More Efficient Design	Grocery	35,948,775	35.95
182	Occupancy Sensor, 4L4' Fluorescent Fixtures	Office	29,657,057	29.66
328	High Performance HVAC R/R - 30%	Office	28,093,662	28.09
133	RET 2L4' Premium T8, 1EB	Office	24,604,837	24.60
501	High-efficiency fan motors	Grocery	24,276,040	24.28
510	Demand Defrost Electric	Grocery	23,661,378	23.66
508	Refrigeration Commissioning	Grocery	23,568,885	23.57
221	High Pressure Sodium 250W Lamp	Retail	21,961,697	21.96
115	RET 2L4' Premium T8, 1EB, Reflector	Office	20,965,646	20.97
221	High Pressure Sodium 250W Lamp	Grocery	20,420,543	20.42
192	Occupancy Sensor, 8L4' Fluorescent Fixtures	Office	20,057,293	20.06
133	RET 2L4' Premium T8, 1EB	Retail	19,607,839	19.61
176	High Bay T5	Office	19,006,274	19.01
176	High Bay T5	Retail	18,733,348	18.73
133	RET 2L4' Premium T8, 1EB	Health Care	16,218,830	16.22
114	RET 4L4' Premium T8, 1EB	Office	16,103,439	16.10
114	RET 4L4' Premium T8, 1EB	Other	16,042,722	16.04
161	CFL Screw-in 18W	Other	15,478,974	15.48

Commercial Achievable Potential Top Twenty (MW)

Measure Number	Measure Name	Building Type	Achievable kW	Achievable MW
328	High Performance HVAC R/R - 30%	Office	12,191	12.19
611	Plug Loads Efficient Equipment & Practices	Office	10,407	10.41
182	Occupancy Sensor, 4L4' Fluorescent Fixtures	Office	5,967	5.97
133	RET 2L4' Premium T8, 1EB	Retail	5,491	5.49
176	High Bay T5	Retail	5,246	5.25
133	RET 2L4' Premium T8, 1EB	Office	4,951	4.95
323	Window Film (Standard)	Office	4,923	4.92
328	High Performance HVAC R/R - 30%	Other	4,496	4.50
328	High Performance HVAC R/R - 30%	Education	4,413	4.41
323	Window Film (Standard)	Restaurant	4,368	4.37
115	RET 2L4' Premium T8, 1EB, Reflector	Office	4,218	4.22
176	High Bay T5	Office	3,824	3.82
161	CFL Screw-in 18W	Retail	3,608	3.61
114	RET 4L4' Premium T8, 1EB	Other	3,606	3.61
161	CFL Screw-in 18W	Other	3,480	3.48
153	RET 2 - 1L4' Premium T8, 1EB, Reflector OEM	Grocery	3,410	3.41
328	High Performance HVAC R/R - 30%	Restaurant	3,265	3.26
114	RET 4L4' Premium T8, 1EB	Office	3,240	3.24
133	RET 2L4' Premium T8, 1EB	Health Care	3,028	3.03
115	RET 2L4' Premium T8, 1EB, Reflector	Other	2,816	2.82

Industrial Current Funding Achievable Potential Top Twenty GWh

Base Number	Measure Number	Measure Name	Achievable kWh	Achievable GWh
300	305	Pumps - System Optimization - 30% savings	57,513,157	57.51
810	814	Continuous Dimming, Fluorescent Fixtures	45,883,095	45.88
200	203	Fans - Controls - 40% savings	45,441,947	45.44
100	105	Compressed Air - System Optimization - 30% energy savings	44,837,775	44.84
300	303	Pumps - Controls - 40% savings	41,931,198	41.93
400	434	Generic Drives Improvements 20%	41,641,618	41.64
550	553	Optimization Refrigeration - 25% savings	30,659,405	30.66
300	301	Pumps - O&M - 10% savings	26,488,844	26.49
100	106	Compressed Air - System Optimization - 50% energy savings	23,661,209	23.66
400	429	Drives - Optimization process (M&T) - 20% savings	23,428,756	23.43
100	101	Compressed Air-O&M - 15% energy savings	22,396,619	22.40
200	205	Fans - System Optimization - 25% savings	20,939,987	20.94
820	824	Continuous Dimming, Fluorescent Fixtures	20,038,590	20.04
550	551	Efficient Refrigeration - Operations - 15% savings	18,235,601	18.24
200	208	Fans- Improve components - 20% savings	16,410,494	16.41
710	711	DX Tune Up/ Advanced Diagnostics	16,198,524	16.20
400	430	Drives - Optimization process (M&T) - 30% savings	13,492,561	13.49
200	202	Fans - O&M - 10% savings	12,860,817	12.86
100	108	Compressed Air- Sizing - 20% energy savings	12,659,829	12.66
550	554	Optimization Refrigeration - 50% savings	11,918,162	11.92

Industrial Current Funding Achievable Potential Top Twenty MW

Base Number	Measure Number	Measure Name	Achievable kW	Achievable MW
710	711	DX Tune Up/ Advanced Diagnostics	10,300	10.30
810	814	Continuous Dimming, Fluorescent Fixtures	9,379	9.38
400	434	Generic Drives Improvements 20%	8,914	8.91
700	703	EMS - Chiller	6,428	6.43
300	305	Pumps - System Optimization - 30% savings	6,422	6.42
300	301	Pumps - O&M - 10% savings	5,272	5.27
100	105	Compressed Air - System Optimization - 30% energy savings	4,948	4.95
710	716	Cool Roof - DX	4,657	4.66
710	713	Window Film - DX	4,618	4.62
100	101	Compressed Air-O&M - 15% energy savings	4,426	4.43
550	553	Optimization Refrigeration - 25% savings	4,139	4.14
820	824	Continuous Dimming, Fluorescent Fixtures	3,966	3.97
700	702	Window Film - Chiller	3,642	3.64
700	706	Cooling Circ. Pumps - VSD	3,478	3.48
200	208	Fans- Improve components - 20% savings	3,294	3.29
400	429	Drives - Optimization process (M&T) - 20% savings	2,912	2.91
100	106	Compressed Air - System Optimization - 50% energy savings	2,612	2.61
200	202	Fans - O&M - 10% savings	2,582	2.58
100	108	Compressed Air- Sizing - 20% energy savings	2,490	2.49
550	551	Efficient Refrigeration - Operations - 15% savings	2,462	2.46

IRP (Accelerated Funding) Achievable Potential Top Twenty

CL&P Residential Existing IRP (Accelerated Funding) Achievable Potential Top Twenty (GWh)

Measure Number	Measure Name	Building Type	Achievable kWh	Achievable GWh
211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	255,015,330	255.02
211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	89,845,698	89.85
193	Ceiling R-11 to R-38 Insulation	Single Family	35,051,392	35.05
221	Downlights - LED Replacement	Single Family	30,276,997	30.28
501	Heat Pump Water Heater (EF=2.5)	Single Family	29,453,740	29.45
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	26,722,762	26.72
508	Water Heater Blanket	Single Family	25,127,449	25.13
912	Energy Star TV	Single Family	24,979,154	24.98
505	Low Flow Showerhead	Single Family	24,297,273	24.30
196	Infiltration Reduction (0.4)	Single Family	24,117,162	24.12
602	Tier 3 CW (MEF=2.20)	Single Family	23,859,872	23.86
232	RET 2L4T8, 1EB	Single Family	20,007,351	20.01
192	Ceiling R-0 to R-38 Insulation	Single Family	18,153,011	18.15
911	Energy Star Computer	Single Family	16,192,823	16.19
195	Wall Blow-in R-0 to R-13 Insulation	Multi-family	15,757,501	15.76
301	HE Refrigerator - Energy Star version of above (Top Mount)	Single Family	15,435,707	15.44
196	Infiltration Reduction (0.4)	Multi-family	15,303,398	15.30
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Multi-family	12,703,231	12.70
505	Low Flow Showerhead	Multi-family	12,271,475	12.27
507	Faucet Aerators	Single Family	12,100,531	12.10

CL&P Residential Existing IRP (Accelerated Funding) Achievable Potential Top Twenty (MW)

Measure Number	Measure Name	Building Type	Achievable kW	Achievable MW
211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	23,605	23.61
211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	8,317	8.32
114	Duct Repair (0.32)	Single Family	8,014	8.01
161	Energy Star Dehumidifier ROB (35-45 pints/day; EF = 1.50)	Single Family	7,448	7.45
112	Attic Venting	Single Family	7,246	7.25
912	Energy Star TV	Single Family	6,243	6.24
120	Ceiling R-0 to R-19 Insulation(.29)	Single Family	5,991	5.99
131	15 SEER Split-System AC Early Replacement	Single Family	5,588	5.59
113	Proper Refrigerant Charging and Air Flow	Single Family	5,558	5.56
911	Energy Star Computer	Single Family	4,047	4.05
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	4,021	4.02
501	Heat Pump Water Heater (EF=2.5)	Single Family	3,058	3.06
171	EER 8.5 AC Early Replacement	Single Family	2,906	2.91
602	Tier 3 CW (MEF=2.20)	Single Family	2,865	2.87
153	Ceiling R-0 to R-19 Insulation (.29)	Single Family	2,828	2.83
221	Downlights - LED Replacement	Single Family	2,803	2.80
155	Wall 2x4 R-0 to Blow-In R-13 Insulation (0.14)	Single Family	2,750	2.75
912	Energy Star TV	Multi-family	2,662	2.66
508	Water Heater Blanket	Single Family	2,609	2.61
505	Low Flow Showerhead	Single Family	2,523	2.52

UI Residential Existing IRP (Accelerated Funding) Achievable Potential Top Twenty (GWh)

Measure Number	Measure Name	Building Type	Achievable kWh	Achievable GWh
211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	52,916,467	52.92
211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	29,169,522	29.17
501	Heat Pump Water Heater (EF=2.5)	Single Family	10,367,122	10.37
221	Downlights - LED Replacement	Single Family	9,644,458	9.64
193	Ceiling R-11 to R-38 Insulation	Single Family	8,725,589	8.73
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	6,601,338	6.60
602	Tier 3 CW (MEF=2.20)	Single Family	5,945,055	5.95
196	Infiltration Reduction (0.4)	Multi-family	5,906,555	5.91
196	Infiltration Reduction (0.4)	Single Family	5,717,709	5.72
912	Energy Star TV	Single Family	5,666,485	5.67
195	Wall Blow-in R-0 to R-13 Insulation	Multi-family	5,588,992	5.59
505	Low Flow Showerhead	Single Family	5,272,111	5.27
114	Duct Repair (0.32)	Single Family	4,975,183	4.98
232	RET 2L4T8, 1EB	Single Family	4,967,042	4.97
508	Water Heater Blanket	Single Family	4,962,067	4.96
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Multi-family	4,909,801	4.91
501	Heat Pump Water Heater (EF=2.5)	Multi-family	4,463,689	4.46
505	Low Flow Showerhead	Multi-family	4,174,481	4.17
192	Ceiling R-0 to R-38 Insulation	Single Family	3,887,586	3.89
198	Programmable Thermostat	Single Family	3,802,253	3.80

UI Residential Existing IRP (Accelerated Funding) Achievable Potential Top Twenty (MW)

Measure Number	Measure Name	Building Type	Achievable kW	Achievable MW
211	CFL (18-Watt integral ballast), 3.0 hr/day	Single Family	4,898	4.90
114	Duct Repair (0.32)	Single Family	4,104	4.10
113	Proper Refrigerant Charging and Air Flow	Single Family	2,962	2.96
211	CFL (18-Watt integral ballast), 3.0 hr/day	Multi-family	2,700	2.70
112	Attic Venting	Single Family	2,034	2.03
131	15 SEER Split-System AC Early Replacement	Single Family	1,898	1.90
161	Energy Star Dehumidifier ROB (35-45 pints/day; EF = 1.50)	Single Family	1,579	1.58
912	Energy Star TV	Single Family	1,416	1.42
120	Ceiling R-0 to R-19 Insulation(.29)	Single Family	1,414	1.41
113	Proper Refrigerant Charging and Air Flow	Multi-family	1,203	1.20
155	Wall 2x4 R-0 to Blow-In R-13 Insulation (0.14)	Single Family	1,113	1.11
501	Heat Pump Water Heater (EF=2.5)	Single Family	1,077	1.08
912	Energy Star TV	Multi-family	1,053	1.05
311	Refrigerator - Early Replacement Top Mount to 2008 Energy Star	Single Family	993	0.99
131	15 SEER Split-System AC Early Replacement	Multi-family	937	0.94
911	Energy Star Computer	Single Family	913	0.91
221	Downlights - LED Replacement	Single Family	893	0.89
153	Ceiling R-0 to R-19 Insulation (.29)	Single Family	832	0.83
114	Duct Repair (0.32)	Multi-family	770	0.77
911	Energy Star Computer	Multi-family	761	0.76

Commercial IRP (Accelerated Funding) Achievable Potential Top Twenty (GWh)

Measure Number	Measure Name	Building Type	Achievable kWh	Achievable GWh
611	Plug Loads Efficient Equipment & Practices	Office	364,311,393	364.31
513	Refrigeration 30% More Efficient Design	Grocery	183,825,764	183.83
611	Plug Loads Efficient Equipment & Practices	Other	83,911,134	83.91
221	High Pressure Sodium 250W Lamp	Office	81,700,908	81.70
161	CFL Screw-in 18W	Other	79,417,274	79.42
161	CFL Screw-in 18W	Office	58,491,194	58.49
321	DX Tune Up/ Advanced Diagnostics	Office	56,686,138	56.69
508	Refrigeration Commissioning	Grocery	56,661,990	56.66
191	ROB 2L4' Premium T8, 1EB	Office	55,607,446	55.61
133	RET 2L4' Premium T8, 1EB	Office	54,125,282	54.13
512	Refrigeration 15% More Efficient Design	Grocery	53,958,192	53.96
181	ROB 4L4' Premium T8, 1EB	Office	53,510,377	53.51
161	CFL Screw-in 18W	Retail	50,237,930	50.24
510	Demand Defrost Electric	Grocery	44,062,367	44.06
115	RET 2L4' Premium T8, 1EB, Reflector	Office	41,722,149	41.72
501	High-efficiency fan motors	Grocery	40,423,927	40.42
328	High Performance HVAC R/R - 30%	Office	38,904,334	38.90
133	RET 2L4' Premium T8, 1EB	Health Care	38,405,061	38.41
182	Occupancy Sensor, 4L4' Fluorescent Fixtures	Office	34,677,491	34.68
161	CFL Screw-in 18W	Health Care	32,221,044	32.22

Commercial IRP (Accelerated Funding) Achievable Potential Top Twenty (MW)

Measure Number	Measure Name	Building Type	Achievable kW	Achievable MW
611	Plug Loads Efficient Equipment & Practices	Office	53,932	53.93
321	DX Tune Up/ Advanced Diagnostics	Office	27,673	27.67
161	CFL Screw-in 18W	Other	17,853	17.85
328	High Performance HVAC R/R - 30%	Office	16,882	16.88
161	CFL Screw-in 18W	Retail	14,069	14.07
161	CFL Screw-in 18W	Office	11,769	11.77
611	Plug Loads Efficient Equipment & Practices	Other	11,667	11.67
323	Window Film (Standard)	Office	11,522	11.52
191	ROB 2L4' Premium T8, 1EB	Office	11,188	11.19
321	DX Tune Up/ Advanced Diagnostics	Other	11,159	11.16
133	RET 2L4' Premium T8, 1EB	Office	10,890	10.89
181	ROB 4L4' Premium T8, 1EB	Office	10,766	10.77
513	Refrigeration 30% More Efficient Design	Grocery	10,648	10.65
321	DX Tune Up/ Advanced Diagnostics	Education	10,179	10.18
115	RET 2L4' Premium T8, 1EB, Reflector	Office	8,395	8.39
321	DX Tune Up/ Advanced Diagnostics	Retail	7,791	7.79
161	CFL Screw-in 18W	Restaurant	7,778	7.78
133	RET 2L4' Premium T8, 1EB	Health Care	7,170	7.17
328	High Performance HVAC R/R - 30%	Other	7,094	7.09
182	Occupancy Sensor, 4L4' Fluorescent Fixtures	Office	6,977	6.98

Industrial IRP (Accelerated Funding) Achievable Potential Top Twenty GWh

Base Number	Measure Number	Measure Name	Achievable kWh	Achievable GWh
300	305	Pumps - System Optimization - 30% savings	62,885,240	62.89
810	814	Continuous Dimming, Fluorescent Fixtures	59,430,475	59.43
100	105	Compressed Air - System Optimization - 30% energy savings	58,436,014	58.44
400	434	Generic Drives Improvements 20%	54,432,630	54.43
200	203	Fans - Controls - 40% savings	48,535,746	48.54
300	303	Pumps - Controls - 40% savings	46,323,207	46.32
200	208	Fans - Improve components - 20% savings	37,978,400	37.98
400	429	Drives - Optimization process (M&T) - 20% savings	35,906,623	35.91
550	553	Optimization Refrigeration - 25% savings	33,018,801	33.02
100	101	Compressed Air-O&M - 15% energy savings	32,306,591	32.31
100	108	Compressed Air- Sizing - 20% energy savings	29,254,518	29.25
200	205	Fans - System Optimization - 25% savings	26,584,584	26.58
820	824	Continuous Dimming, Fluorescent Fixtures	25,554,182	25.55
550	551	Efficient Refrigeration - Operations - 15% savings	25,060,316	25.06
100	106	Compressed Air - System Optimization - 50% energy savings	24,766,233	24.77
300	301	Pumps - O&M - 10% savings	23,040,624	23.04
550	554	Optimization Refrigeration - 50% savings	16,870,240	16.87
710	711	DX Tune Up/ Advanced Diagnostics	16,602,398	16.60
400	430	Drives - Optimization process (M&T) - 30% savings	14,431,024	14.43
500	511	Heating - Optimization process (M&T) - 10% savings	13,796,738	13.80

Industrial IRP (Accelerated Funding) Achievable Potential Top Twenty MW

Base Number	Measure Number	Measure Name	Achievable kW	Achievable MW
810	814	Continuous Dimming, Fluorescent Fixtures	12,155	12.15
400	434	Generic Drives Improvements 20%	11,735	11.73
710	711	DX Tune Up/ Advanced Diagnostics	10,557	10.56
200	208	Fans- Improve components - 20% savings	7,624	7.62
300	305	Pumps - System Optimization - 30% savings	7,022	7.02
700	703	EMS - Chiller	6,773	6.77
100	105	Compressed Air - System Optimization - 30% energy savings	6,448	6.45
100	101	Compressed Air-O&M - 15% energy savings	6,365	6.36
300	307	Pumps - Sizing - 20% savings	5,952	5.95
100	108	Compressed Air- Sizing - 20% energy savings	5,754	5.75
710	716	Cool Roof - DX	5,352	5.35
820	824	Continuous Dimming, Fluorescent Fixtures	5,058	5.06
710	713	Window Film - DX	4,702	4.70
300	301	Pumps - O&M - 10% savings	4,586	4.59
400	429	Drives - Optimization process (M&T) - 20% savings	4,462	4.46
550	553	Optimization Refrigeration - 25% savings	4,458	4.46
700	702	Window Film - Chiller	4,001	4.00
700	706	Cooling Circ. Pumps - VSD	3,590	3.59
550	551	Efficient Refrigeration - Operations - 15% savings	3,383	3.38
200	205	Fans - System Optimization - 25% savings	2,984	2.98