

Measure #	Measure Name	Customer Class	Summer (MW)	Winter (MW)	Annual Energy (GWh)
<b>Energy Efficiency Measures</b>					
100	Base 13 SEER Split-System Air Conditioner & Strip Heater	Residential	0.0	0.0	0.0
101	Base 14 SEER Split-System Air Conditioner	Residential	0.0	0.0	0.0
102	15 SEER Split-System Air Conditioner	Residential	8.3	0.0	16.2
103	17 SEER Split-System Air Conditioner	Residential	17.8	0.0	32.6
104	19 SEER Split-System Air Conditioner	Residential	14.9	0.0	27.3
105	14 SEER Split-System Heat Pump	Residential	17.0	73.2	114.9
106	15 SEER Split-System Heat Pump	Residential	10.4	24.9	46.3
107	17 SEER Split-System Heat Pump	Residential	19.4	30.1	65.4
108	13 EER Geothermal Heat Pump	Residential	0.0	0.0	0.0
109	HVAC Proper Sizing	Residential	0.0	0.0	0.0
110	Attic Venting	Residential	0.0	0.0	0.0
111	Sealed Attic w/Sprayed Foam Insulated Roof Deck	Residential	50.8	116.8	144.4
112	AC Maintenance (Outdoor Coil Cleaning)	Residential	63.8	0.0	165.6
113	AC Maintenance (Indoor Coil Cleaning)	Residential	59.7	0.0	155.0
114	Proper Refrigerant Charging and Air Flow	Residential	65.0	0.0	170.7
115	Electronically Commutated Motors (ECM) on an Air Handler Unit	Residential	34.1	0.0	104.1
116	Duct Repair	Residential	89.8	100.1	202.2
117	Reflective Roof	Residential	81.3	0.0	207.4
118	Radiant Barrier	Residential	81.7	35.5	149.1
119	Window Film	Residential	16.9	-5.5	51.1
120	Window Tinting	Residential	7.2	0.0	16.0
121	Default Window With Sunscreen	Residential	107.4	-13.6	148.4
122	Single Pane Clear Windows to Double Pane Low-E Windows	Residential	38.4	19.1	96.6
124	Ceiling R-0 to R-19 Insulation	Residential	7.5	17.2	20.6
125	Ceiling R-19 to R-38 Insulation	Residential	1.7	0.0	5.0
126	Wall 2x4 R-0 to Blow-In R-13 Insulation	Residential	3.5	7.9	10.1
127	Weather Strip/Caulk w/Blower Door	Residential	0.6	1.0	20.2
130	Base 13 SEER Split-System Heat Pump	Residential	0.0	0.0	0.0
131	Base 14 SEER Split-System Heat Pump	Residential	0.0	0.0	0.0
132	15 SEER Split-System Heat Pump	Residential	23.9	11.0	59.9
133	17 SEER Split-System Heat Pump	Residential	48.2	23.1	113.5
134	13 EER Geothermal Heat Pump	Residential	0.0	0.0	0.0
135	HVAC Proper Sizing	Residential	0.0	0.0	0.0
136	Attic Venting	Residential	0.0	0.0	0.0
137	Sealed Attics	Residential	20.1	78.7	59.8
138	AC Maintenance (Outdoor Coil Cleaning)	Residential	32.1	0.0	84.6
139	AC Maintenance (Indoor Coil Cleaning)	Residential	30.0	0.0	79.2
140	Proper Refrigerant Charging and Air Flow	Residential	32.0	0.0	85.5
141	Electronically Commutated Motors (ECM) on an Air Handler Unit	Residential	34.0	55.8	109.6
142	Duct Repair	Residential	52.0	59.9	98.6
143	Reflective Roof	Residential	37.9	0.0	101.8
144	Radiant Barrier	Residential	40.3	17.5	74.8

145	Window Film	Residential	7.1	-2.2	26.1
146	Window Tinting	Residential	3.1	0.0	7.2
147	Default Window With Sunscreen	Residential	48.1	-6.1	67.7
148	Single Pane Clear Windows to Double Pane Low-E Windows	Residential	18.7	9.3	47.9
150	Ceiling R-0 to R-19 Insulation	Residential	3.1	12.2	9.1
151	Ceiling R-19 to R-38 Insulation	Residential	0.7	0.0	2.0
152	Wall 2x4 R-0 to Blow-In R-13 Insulation	Residential	1.3	0.0	3.9
153	Weather Strip/Caulk w/Blower Door	Residential	0.3	0.1	9.8
160	Base 13 SEER Split-System Air Conditioner & Gas Heat	Residential	0.0	0.0	0.0
161	Base 14 SEER Split-System Air Conditioner	Residential	0.0	0.0	0.0
162	15 SEER Split-System Air Conditioner	Residential	0.0	0.0	0.0
163	17 SEER Split-System Air Conditioner	Residential	0.0	0.0	0.0
164	19 SEER Split-System Air Conditioner	Residential	0.0	0.0	0.0
165	HVAC Proper Sizing	Residential	0.0	0.0	0.0
166	Attic Venting	Residential	0.0	0.0	0.0
167	Sealed Attic w/Sprayed Foam Insulated Roof Deck	Residential	0.0	0.0	0.0
168	AC Maintenance (Outdoor Coil Cleaning)	Residential	0.0	0.0	0.0
169	AC Maintenance (Indoor Coil Cleaning)	Residential	0.0	0.0	0.0
170	Proper Refrigerant Charging and Air Flow	Residential	0.0	0.0	0.0
171	Electronically Commutated Motors (ECM) on an Air Handler Unit	Residential	0.0	0.0	0.0
172	Duct Repair	Residential	0.0	0.0	0.0
173	Reflective Roof	Residential	0.0	0.0	0.0
174	Radiant Barrier	Residential	0.0	0.0	0.0
175	Window Film	Residential	0.0	0.0	0.0
176	Window Tinting	Residential	0.0	0.0	0.0
177	Default Window With Sunscreen	Residential	0.0	0.0	0.0
178	Single Pane Clear Windows to Double Pane Low-E Windows	Residential	0.0	0.0	0.0
180	Ceiling R-0 to R-19 Insulation	Residential	0.0	0.0	0.0
181	Ceiling R-19 to R-38 Insulation	Residential	0.0	0.0	0.0
182	Wall 2x4 R-0 to Blow-In R-13 Insulation	Residential	0.0	0.0	0.0
183	Weather Strip/Caulk w/Blower Door	Residential	0.0	0.0	0.0
190	Base 9 EER Room Air Conditioner & Strip Heater	Residential	0.0	0.0	0.0
190A	Base 10 EER Room Air Conditioner & Strip Heater	Residential	0.0	0.0	0.0
191	HE Room Air Conditioner - EER 11	Residential	4.8	0.0	9.5
192	HE Room Air Conditioner - EER 12	Residential	2.2	0.0	4.3
196	Reflective Roof	Residential	3.1	0.0	8.2
197	Window Film	Residential	0.7	-0.2	2.5
198	Window Tinting	Residential	0.3	0.0	0.7
199	Default Window With Sunscreen	Residential	4.4	-0.5	6.0
200	Single Pane Clear Windows to Double Pane Low-E Windows	Residential	1.5	0.8	3.8
202	Ceiling R-0 to R-19 Insulation	Residential	0.6	0.6	1.9
203	Ceiling R-19 to R-38 Insulation	Residential	0.2	0.0	0.5
204	Wall 2x4 R-0 to Blow-In R-13 Insulation	Residential	0.2	0.0	0.6
205	Weather Strip/Caulk w/Blower Door	Residential	0.0	0.0	0.7

220	Base Lighting (60-Watt incandescent), 0.5 hr/hday	Residential	0.0	0.0	0.0
220	Base Lighting (43-Watt incandescent), 0.5 hr/hday	Residential	0.0	0.0	0.0
221	CFL (18-Watt integral ballast), 0.5 hr/day	Residential	2.1	2.7	40.9
230	Base Lighting (60-Watt incandescent), 2.5 hr/hday	Residential	0.0	0.0	0.0
230	Base Lighting (43-Watt incandescent), 2.5 hr/hday	Residential	0.0	0.0	0.0
231	CFL (18-Watt integral ballast), 2.5 hr/day	Residential	18.1	23.6	358.0
240	Base Lighting (60-Watt incandescent), 6.0 hr/hday	Residential	0.0	0.0	0.0
240	Base Lighting (43-Watt incandescent), 6.0 hr/hday	Residential	0.0	0.0	0.0
241	CFL (18-Watt integral ballast), 6.0 hr/day	Residential	9.3	12.1	184.1
250	Base Fluorescent Fixture, 2L4'T12, 40W, 1EEMAG	Residential	0.0	0.0	0.0
250	Base Fluorescent Fixture, 2L4'T12, 34W, 1EE	Residential	0.0	0.0	0.0
251	ROB 2L4'T8, 1EB	Residential	0.5	0.7	10.8
252	RET 2L4'T8, 1EB	Residential	1.9	2.5	37.7
260	Base Outdoor Lighting	Residential	0.0	0.0	0.0
261	CFL - medium screw based <30 Watts	Residential	0.0	0.0	0.0
262	Photocell/timeclock	Residential	0.0	0.0	0.0
300	Base Refrigerator (18 cf w/top-mount freezer, no through-door ice)	Residential	0.0	0.0	0.0
300	Base Refrigerator (18 cf w/top-mount freezer, no through-door ice) -10%	Residential	0.0	0.0	0.0
301	HE Refrigerator - Energy Star version of above	Residential	26.2	22.1	204.2
350	Base Freezer	Residential	0.0	0.0	0.0
350	Base Freezer -25%	Residential	0.0	0.0	0.0
351	HE Freezer	Residential	1.9	1.6	15.1
400	Base 40 gal. Water Heating (EF=0.92)	Residential	0.0	0.0	0.0
400	Base 40 gal. Water Heating (EF=0.948)	Residential	0.0	0.0	0.0
401	Heat Pump Water Heater (EF=2.9)	Residential	57.5	140.7	752.1
402	HE Water Heater (EF=0.93)	Residential	0.0	0.0	0.0
403	Solar Water Heat	Residential	4.4	0.0	39.9
404	AC Heat Recovery Units	Residential	68.4	0.0	202.4
405	Low Flow Showerhead	Residential	7.7	18.8	99.6
406	Pipe Wrap	Residential	2.3	5.6	29.8
407	Faucet Aerators	Residential	4.0	9.9	52.5
408	Water Heater Blanket	Residential	9.7	23.7	126.7
409	Water Heater Temperature Check and Adjustment	Residential	0.6	1.4	7.6
410	Water Heater Timeclock	Residential	5.2	12.7	67.9
411	Heat Trap	Residential	10.5	25.7	137.3
500	Base Clotheswasher (MEF=1.6)	Residential	0.0	0.0	0.0
501	Energy Star CW CEE Tier 1 (MEF=1.8)	Residential	0.0	0.0	0.0
502	Energy Star CW CEE Tier 2 (MEF=2.0)	Residential	27.9	25.3	205.9
503	Energy Star CW CEE Tier 3 (MEF=2.2)	Residential	10.6	9.6	78.1
600	Base Clothes Dryer (EF=3.01)	Residential	0.0	0.0	0.0
600	Base Clothes Dryer (EF=3.73)	Residential	0.0	0.0	0.0
610	High Efficiency CD (EF=3.01 w/moisture sensor)	Residential	0.0	0.0	0.0
700	Base Dishwasher (EF=0.46)	Residential	0.0	0.0	0.0
701	Energy Star DW (EF=0.68)	Residential	14.2	9.3	150.2

800	Base Pool Pump and Motor (1.5 hp)	Residential	0.0	0.0	0.0
801	Two Speed Pool Pump (1.5 hp)	Residential	42.7	7.3	206.9
802	High Efficiency One Speed Pool Pump (1.5 hp)	Residential	43.7	7.5	212.0
803	Variable-Speed Pool Pump (<1 hp)	Residential	48.4	8.3	234.7
804	PV-Powered Pool Pumps	Residential	31.0	5.3	150.5
900	Base CRT TV	Residential	0.0	0.0	0.0
901	Energy Star TV	Residential	0.8	0.6	6.3
910	Base Large-screen TV	Residential	0.0	0.0	0.0
911	Energy Star TV	Residential	2.1	1.6	17.3
920	Base Set-Top Box	Residential	0.0	0.0	0.0
921	Energy Star Set-Top Box	Residential	7.0	5.5	57.8
930	Base DVD Player	Residential	0.0	0.0	0.0
931	Energy Star DVD Player	Residential	1.9	1.5	15.8
940	Base VCR	Residential	0.0	0.0	0.0
941	Energy Star VCR	Residential	0.8	0.6	6.6
950	Base Desktop PC	Residential	0.0	0.0	0.0
951	Energy Star Desktop PC	Residential	3.1	2.4	25.3
960	Base Laptop PC	Residential	0.0	0.0	0.0
961	Energy Star Laptop PC	Residential	0.4	0.3	2.9
352	Freezer recycling	Residential	1.5	0.9	11.8
302	Refrigerator recycling	Residential	51.2	32.4	399.3
962	Smart Plug	Residential	23.8	21.5	189.8
222	LED (12-Watt integral ballast), 0.5 hr/day	Residential	0.7	0.0	27.9
232	LED (12-Watt integral ballast), 2.5 hr/day	Residential	15.1	0.0	244.2
242	LED (12-Watt integral ballast), 6.0 hr/day	Residential	8.3	0.0	125.6
261	LED 13W Outdoor	Residential	0.0	0.0	188.5
111	Premium T8, Electronic Ballast	Commercial	28.2	15.1	152.9
112	Premium T8, EB, Reflector	Commercial	11.4	6.1	61.1
113	Occupancy Sensor	Commercial	9.1	5.0	49.3
114	Continuous Dimming	Commercial	15.7	8.5	85.6
115	Lighting Control Tuneup	Commercial	0.8	0.4	4.4
121	ROB Premium T8, 1EB	Commercial	6.5	3.5	34.3
122	ROB Premium T8, EB, Reflector	Commercial	5.1	2.7	26.7
123	Occupancy Sensor	Commercial	4.6	2.5	24.0
124	Lighting Control Tuneup	Commercial	0.4	0.2	2.0
131	CFL Screw-in 18W	Commercial	43.2	23.3	232.7
141	CFL Hardwired, Modular 18W	Commercial	14.4	7.8	77.6
151	PSMH, magnetic ballast	Commercial	10.5	5.7	54.9
153	High Bay T5	Commercial	4.7	0.0	47.1
161	LED Exit Sign	Commercial	0.5	0.4	3.0
201	High Pressure Sodium 250W Lamp	Commercial	0.5	3.1	80.1
202	Outdoor Lighting Controls (Photocell/Timeclock)	Commercial	0.7	0.2	6.6
211	Outdoor Lighting Controls (Photocell/Timeclock)	Commercial	8.7	0.0	9.5
301	Centrifugal Chiller, 0.51 kW/ton, 500 tons	Commercial	2.9	0.0	30.5

302	High Efficiency Chiller Motors	Commercial	0.8	0.0	14.7
304	EMS - Chiller	Commercial	4.6	0.1	4.1
305	Chiller Tune Up/Diagnostics	Commercial	5.6	0.1	16.4
306	VSD for Chiller Pumps and Towers	Commercial	0.5	0.2	29.6
307	EMS Optimization	Commercial	6.3	0.0	10.5
308	Aerosole Duct Sealing	Commercial	0.7	0.2	33.0
309	Duct/Pipe Insulation	Commercial	2.0	0.0	3.7
311	Window Film (Standard)	Commercial	10.8	-0.3	10.2
313	Ceiling Insulation	Commercial	3.2	1.2	18.4
314	Roof Insulation	Commercial	16.7	0.1	6.4
315	Cool Roof - Chiller	Commercial	17.6	0.0	41.2
317	Thermal Energy Storage (TES)	Commercial	3.9	0.1	-5.3
321	DX Packaged System, EER=10.9, 10 tons	Commercial	0.0	0.0	0.0
321A	DX Packaged System, EER=11.9, 10 tons	Commercial	11.8	0.0	27.3
322	Hybrid Dessicant-DX System (Trane CDQ)	Commercial	10.9	0.0	159.1
323	Geothermal Heat Pump, EER=13, 10 tons	Commercial	6.2	0.6	75.9
326	DX Tune Up/ Advanced Diagnostics	Commercial	9.6	0.0	21.3
327	DX Coil Cleaning	Commercial	1.1	0.0	33.3
328	Optimize Controls - DX	Commercial	18.7	0.1	22.5
329	Aerosole Duct Sealing	Commercial	1.9	0.0	95.2
330	Duct/Pipe Insulation	Commercial	7.5	0.0	9.7
332	Window Film (Standard)	Commercial	37.6	-4.4	37.6
334	Ceiling Insulation	Commercial	12.1	17.3	66.1
335	Roof Insulation	Commercial	44.3	6.0	23.0
336	Cool Roof - DX	Commercial	1.5	0.0	128.8
341	Packaged HP System, EER=10.9, 10 tons	Commercial	0.0	0.0	0.0
341A	Packaged HP System, EER=11.7, 10 tons	Commercial	1.8	0.0	5.7
342	Geothermal Heat Pump, EER=13, 10 tons	Commercial	1.7	0.0	5.4
344	Aerosole Duct Sealing	Commercial	0.2	0.1	8.4
345	Duct/Pipe Insulation	Commercial	0.5	0.0	1.1
347	Window Film (Standard)	Commercial	3.5	0.0	2.5
349	Ceiling Insulation	Commercial	1.1	0.1	5.8
350	Roof Insulation	Commercial	3.9	0.0	2.1
351	Cool Roof - DX	Commercial	5.1	0.0	10.5
361	HE PTAC, EER=9.6, 1 ton	Commercial	2.4	0.0	37.2
362	Occupancy Sensor (hotels)	Commercial	0.9	0.3	48.8
401	High Efficiency Fan Motor, 15hp, 1800rpm, 92.4%	Commercial	2.5	1.3	7.2
402	Variable Speed Drive Control	Commercial	1.7	3.7	71.8
403	Air Handler Optimization	Commercial	11.1	1.8	52.0
404	Electronically Commutated Motors (ECM) on an Air Handler Unit	Commercial	29.6	0.0	89.1
405	Demand Control Ventilation (DCV)	Commercial	19.2	74.1	58.3
406	Energy Recovery Ventilation (ERV)	Commercial	4.4	34.5	27.7
407	Separate Makeup Air / Exhaust Hoods AC	Commercial	5.0	1.6	34.8
501	High-efficiency fan motors	Commercial	1.5	3.9	42.3

502	Strip curtains for walk-ins	Commercial	0.0	1.2	12.4
503	Night covers for display cases	Commercial	0.2	12.4	11.2
504	Evaporator fan controller for MT walk-ins	Commercial	2.7	0.1	1.4
505	Efficient compressor motor retrofit	Commercial	0.6	2.1	22.9
506	Compressor VSD retrofit	Commercial	0.9	0.4	9.5
507	Floating head pressure controls	Commercial	1.0	0.7	8.0
508	Refrigeration Commissioning	Commercial	0.4	0.8	8.4
509	Demand Hot Gas Defrost	Commercial	4.6	0.3	3.4
510	Demand Defrost Electric	Commercial	1.0	3.6	38.9
511	Anti-sweat (humidistat) controls	Commercial	0.6	1.5	16.0
513	High R-Value Glass Doors	Commercial	2.9	0.5	4.9
514	Multiplex Compressor System	Commercial	2.0	2.2	24.0
515	Oversized Air Cooled Condenser	Commercial	2.0	1.6	16.7
516	Freezer-Cooler Replacement Gaskets	Commercial	0.3	1.5	16.6
517	LED Display Lighting	Commercial	0.2	0.2	2.3
601	High Efficiency Water Heater (electric)	Commercial	0.0	0.0	0.0
603	Heat Pump Water Heater (air source)	Commercial	0.1	4.4	46.8
604	Solar Water Heater	Commercial	0.2	0.0	0.9
606	Demand controlled circulating systems	Commercial	8.5	0.2	1.7
608	Heat Recovery Unit	Commercial	1.2	5.5	68.5
609	Heat Trap	Commercial	0.0	0.9	9.4
610	Hot Water Pipe Insulation	Commercial	3.3	0.0	0.4
701	PC Manual Power Management Enabling	Commercial	6.2	7.9	41.2
702	PC Network Power Management Enabling	Commercial	1.2	14.6	76.4
711	Energy Star or Better Monitor	Commercial	2.9	1.9	9.8
712	Monitor Power Management Enabling	Commercial	0.0	6.9	35.9
721	Energy Star or Better Monitor	Commercial	0.0	0.0	0.0
722	Monitor Power Management Enabling	Commercial	0.2	0.0	0.1
731	Energy Star or Better Copier	Commercial	0.6	0.4	1.8
732	Copier Power Management Enabling	Commercial	3.1	1.4	7.3
741	Printer Power Management Enabling	Commercial	1.9	7.1	36.9
801	Convection Oven	Commercial	1.5	0.3	14.1
811	Efficient Fryer	Commercial	1.6	0.3	15.6
901	Vending Misers	Commercial	0.0	3.6	34.4
611	0.5 Faucet Aerator (DI) - Commercial	Commercial	4.9	11.7	13.3
612	1.0 gpm Faucet Aerator (DI) -Commercial	Commercial	1.2	2.8	16.6
613	1.5 gpm Showerhead (DI) - Commercial	Commercial	0.4	0.9	12.5
910	Server Virtualization	Commercial	2.6	4.8	32.4
203	Outdoor LED 104W	Commercial	0.0	0.0	60.5
132	Flood LED 14W	Commercial	2.0	2.6	24.9
154	LED High Bay 83W (400W equivalent)	Commercial	1.9	3.9	15.4
146	LED (12-Watt)	Commercial	4.2	3.7	36.5
125	LED Linear Tube 22W	Commercial	1.8	2.1	35.4
337	Run Time Optimizer	Commercial	67.2	0.0	100.6

338	dehumidification hybrid desiccant heat pump	Commercial	127.7	9.9	236.9
812	Griddle	Commercial	1.6	0.3	15.6
813	Steamer	Commercial	1.5	0.3	14.1
814	Holding Cabinet	Commercial	1.5	0.3	14.1
518	Ice Machine	Commercial	0.4	0.8	8.4
100	New Base Compressed Air	Industrial	0.0	0.0	0.0
101	Compressed Air-O&M	Industrial	3.5	3.0	25.0
102	Compressed Air - Controls	Industrial	0.7	0.6	4.7
103	Compressed Air - System Optimization	Industrial	2.6	2.2	18.3
104	Compressed Air- Sizing	Industrial	1.1	0.9	7.5
105	Comp Air - Replace 1-5 HP motor	Industrial	0.0	0.0	0.2
106	Comp Air - ASD (1-5 hp)	Industrial	0.0	0.0	0.3
107	Comp Air - Motor practices-1 (1-5 HP)	Industrial	0.0	0.0	0.3
108	Comp Air - Replace 6-100 HP motor	Industrial	0.1	0.1	1.0
109	Comp Air - ASD (6-100 hp)	Industrial	0.1	0.5	4.3
110	Comp Air - Motor practices-1 (6-100 HP)	Industrial	0.2	0.1	1.2
111	Comp Air - Replace 100+ HP motor	Industrial	0.1	0.1	1.0
112	Comp Air - ASD (100+ hp)	Industrial	0.1	0.6	5.2
113	Comp Air - Motor practices-1 (100+ HP)	Industrial	0.2	0.1	1.2
114	Power recovery	Industrial	0.0	0.0	0.0
115	Refinery Controls	Industrial	0.0	0.0	0.0
200	New Base Fans	Industrial	0.0	0.0	0.0
201	Fans - O&M	Industrial	0.3	2.0	2.1
202	Fans - Controls	Industrial	2.3	0.7	17.6
203	Fans - System Optimization	Industrial	0.4	0.2	7.3
204	Fans- Improve components	Industrial	0.3	0.0	2.1
205	Fans - Replace 1-5 HP motor	Industrial	0.0	0.0	0.2
206	Fans - ASD (1-5 hp)	Industrial	0.0	0.0	0.4
207	Fans - Motor practices-1 (1-5 HP)	Industrial	0.0	0.1	0.4
208	Fans - Replace 6-100 HP motor	Industrial	0.2	0.5	1.3
209	Fans - ASD (6-100 hp)	Industrial	0.0	0.2	4.3
210	Fans - Motor practices-1 (6-100 HP)	Industrial	0.2	0.1	1.6
211	Fans - Replace 100+ HP motor	Industrial	0.1	0.1	1.2
212	Fans - ASD (100+ hp)	Industrial	0.1	0.2	7.0
213	Fans - Motor practices-1 (100+ HP)	Industrial	0.2	0.2	1.7
214	Optimize drying process	Industrial	0.2	0.0	1.0
215	Power recovery	Industrial	0.0	0.0	0.0
216	Refinery Controls	Industrial	0.0	1.5	0.0
300	New Base Pumps	Industrial	0.0	0.0	0.0
301	Pumps - O&M	Industrial	1.7	3.5	14.2
302	Pumps - Controls	Industrial	5.1	1.4	41.7
303	Pumps - System Optimization	Industrial	4.0	0.0	32.8
304	Pumps - Sizing	Industrial	1.6	0.0	13.2
305	Pumps - Replace 1-5 HP motor	Industrial	0.0	0.1	0.3

306	Pumps - ASD (1-5 hp)	Industrial	0.0	0.2	0.5
307	Pumps - Motor practices-1 (1-5 HP)	Industrial	0.1	0.6	0.5
308	Pumps - Replace 6-100 HP motor	Industrial	0.2	0.2	1.7
309	Pumps - ASD (6-100 hp)	Industrial	0.1	0.2	7.1
310	Pumps - Motor practices-1 (6-100 HP)	Industrial	0.2	0.3	1.9
311	Pumps - Replace 100+ HP motor	Industrial	0.2	0.2	1.6
312	Pumps - ASD (100+ hp)	Industrial	0.1	0.0	9.4
313	Pumps - Motor practices-1 (100+ HP)	Industrial	0.2	0.0	2.0
314	Power recovery	Industrial	0.0	0.5	0.0
315	Refinery Controls	Industrial	0.0	0.1	0.1
400	Base Drives	Industrial	0.0	0.0	0.0
401	Bakery - Process (Mixing) - O&M	Industrial	0.6	0.2	4.7
402	O&M/drives spinning machines	Industrial	0.1	0.3	0.3
403	Air conveying systems	Industrial	0.1	0.0	2.1
404	Replace V-Belts	Industrial	0.2	0.0	1.0
405	Drives - EE motor	Industrial	0.3	0.1	2.2
406	Gap Forming papermachine	Industrial	0.0	0.2	0.4
407	High Consistency forming	Industrial	0.0	0.2	0.4
408	Optimization control PM	Industrial	0.1	0.1	1.3
409	Efficient practices printing press	Industrial	0.3	0.0	2.1
410	Efficient Printing press (fewer cylinders)	Industrial	0.2	0.2	1.8
411	Light cylinders	Industrial	0.1	0.0	0.8
412	Efficient drives	Industrial	0.1	0.0	0.4
413	Clean Room - Controls	Industrial	0.2	0.0	1.6
414	Clean Room - New Designs	Industrial	0.1	0.5	1.0
415	Drives - Process Controls (batch + site)	Industrial	0.2	0.8	2.2
416	Process Drives - ASD	Industrial	0.0	0.4	0.2
417	O&M - Extruders/Injection Moulding	Industrial	0.6	0.3	4.7
418	Extruders/injection Moulding-multipump	Industrial	0.9	0.2	6.6
419	Direct drive Extruders	Industrial	0.5	0.4	3.4
420	Injection Moulding - Impulse Cooling	Industrial	0.3	0.1	2.4
421	Injection Moulding - Direct drive	Industrial	0.3	0.0	2.1
422	Efficient grinding	Industrial	0.4	0.0	3.4
423	Process control	Industrial	0.1	0.0	0.7
424	Process optimization	Industrial	0.1	0.3	0.5
425	Drives - Process Control	Industrial	0.0	0.1	0.1
426	Efficient drives - rolling	Industrial	0.0	0.1	0.1
427	Drives - Optimization process (M&T)	Industrial	0.3	0.0	1.9
428	Drives - Scheduling	Industrial	0.0	0.2	0.9
429	Machinery	Industrial	0.2	0.0	1.0
430	Efficient Machinery	Industrial	0.0	0.0	0.1
500	Base Heating	Industrial	0.0	0.0	0.0
501	Bakery - Process	Industrial	0.2	0.0	1.9
502	Drying (UV/IR)	Industrial	0.0	0.0	0.1



503	Heat Pumps - Drying	Industrial	0.0	0.0	0.3
504	Top-heating (glass)	Industrial	0.0	0.0	0.3
505	Efficient electric melting	Industrial	0.0	0.5	0.2
506	Intelligent extruder (DOE)	Industrial	0.0	0.2	0.0
507	Near Net Shape Casting	Industrial	0.0	0.0	0.0
508	Heating - Process Control	Industrial	0.0	0.3	0.2
509	Efficient Curing ovens	Industrial	0.6	0.4	4.1
510	Heating - Optimization process (M&T)	Industrial	0.2	0.1	1.0
511	Heating - Scheduling	Industrial	0.0	0.0	0.3
550	Base Refrigeration	Industrial	0.0	0.0	0.0
551	Efficient Refrigeration - Operations	Industrial	0.5	0.2	3.1
552	Optimization Refrigeration	Industrial	0.9	0.0	5.3
600	Base Other Process	Industrial	0.0	0.0	0.0
601	Other Process Controls (batch + site)	Industrial	0.1	0.0	1.3
602	Efficient desalter	Industrial	0.0	0.1	0.0
603	New transformers welding	Industrial	0.1	0.0	0.8
604	Efficient processes (welding, etc.)	Industrial	0.2	0.0	1.9
605	Process control	Industrial	0.0	0.0	0.0
606	Power recovery	Industrial	0.0	0.0	0.0
607	Refinery Controls	Industrial	0.0	0.0	0.0
700	Base Centrifugal Chiller, 0.58 kW/ton, 500 tons	Industrial	0.0	0.0	0.0
701	Centrifugal Chiller, 0.51 kW/ton, 500 tons	Industrial	0.3	0.0	8.0
702	High Efficiency Chiller Motors	Industrial	0.3	0.0	1.6
703	EMS - Chiller	Industrial	0.0	0.0	0.3
704	Chiller Tune Up/Diagnostics	Industrial	0.3	0.0	1.6
705	VSD for Chiller Pumps and Towers	Industrial	0.1	0.0	2.8
706	EMS Optimization - Chiller	Industrial	0.2	0.0	1.0
707	Aerosole Duct Sealing - Chiller	Industrial	0.6	0.0	3.5
708	Duct/Pipe Insulation - Chiller	Industrial	0.4	0.0	2.1
709	Window Film (Standard) - Chiller	Industrial	0.2	0.0	1.2
710	Roof Insulation - Chiller	Industrial	0.1	0.0	0.7
711	Cool Roof - Chiller	Industrial	0.8	0.0	4.3
721	Base DX Packaged System, EER=11.2, 10 tons	Industrial	0.0	0.0	0.0
721A	Base DX Packaged System, EER=11.9, 10 tons	Industrial	0.0	0.4	9.4
722	Hybrid Dessicant-DX System (Trane CDQ)	Industrial	3.6	0.0	21.1
723	Geothermal Heat Pump, EER=13, 10 tons	Industrial	0.4	0.0	2.4
724	DX Tune Up/ Advanced Diagnostics	Industrial	0.2	0.0	1.2
725	DX Coil Cleaning	Industrial	0.4	4.6	2.3
726	Optimize Controls	Industrial	0.2	0.6	0.9
727	Aerosole Duct Sealing	Industrial	0.8	0.8	4.8
728	Duct/Pipe Insulation	Industrial	0.5	0.4	2.8
729	Window Film (Standard)	Industrial	0.3	0.8	1.5
730	Roof Insulation	Industrial	0.2	0.0	1.0
731	Cool Roof - DX	Industrial	1.0	0.0	5.9

800	Base T8	Industrial	0.0	0.0	0.0
801	Premium T8, Electronic Ballast	Industrial	4.0	0.0	28.5
802	CFL Hardwired, Modular 18W	Industrial	0.5	0.0	2.0
803	CFL Screw-in 18W	Industrial	0.6	0.0	2.5
804	High Bay T5	Industrial	0.6	0.0	4.2
805	Occupancy Sensor	Industrial	0.2	0.0	6.5
900	Base Other	Industrial	0.0	0.0	0.0
901	Replace V-belts	Industrial	0.0	0.0	0.0
902	Membranes for wastewater	Industrial	0.0	0.0	0.0
806	LED Linear Tube 22W	Industrial	7.4	6.8	20.1
807	Flood LED 14W	Industrial	0.8	0.8	1.1
808	LED High Bay 83W	Industrial	0.9	0.9	1.3
732	Run Time Optimizer	Industrial	1.8	0.0	7.8
733	Dehumidification Hybrid Desiccant Heat Pump PER 5 TON	Industrial	3.4	0.0	18.4
<b>Demand Response</b>					
1	A/C Cycling Switch w/ flat rate	Residential	99.0	105.2	0.0
2	A/C Shedding Switch w/ flat rate	Residential	155.5	171.6	0.0
3	Smart Thermostats for A/C w/ CPP	Residential	282.8	309.6	0.0
4	On-Off Switching via low-power wireless networks for water heating w/ CPP	Residential	66.0	183.0	0.0
5	On-Off Switching via low-power wireless networks for pool systems w/ CPP	Residential	51.8	10.0	0.0
6	In-home displays and pre-set control strategies w/ CPP	Residential	80.1	89.0	0.0
7	Automated control strategies w/ CPP	Commercial	107.5	52.9	0.0
8	Direct load control system	Commercial	142.2	30.4	0.0
9	Automated control Strategies w/ CPP	Industrial	8.7	4.2	0.0
10	Direct load control system	Industrial	10.9	1.7	0.0
<b>Renewable Energy</b>					
1	Solar PV - Single-family	Residential	2,593.8	472.1	7,146.5
2	Solar PV - Multi-family	Residential	514.4	94.0	1,417.0
3	Solar PV - Mobile Homes	Residential	271.9	49.5	749.9
4	Solar PV - College	Commercial	169.8	21.2	447.6
5	Solar PV - School	Commercial	118.2	15.2	313.2
6	Solar PV - Hospital	Commercial	26.3	3.0	67.7
7	Solar PV - Other Health	Commercial	39.4	5.1	104.1
8	Solar PV - Lodging	Commercial	201.1	25.3	532.4
9	Solar PV - Restaurant	Commercial	121.3	15.2	321.3
10	Solar PV - Grocery	Commercial	46.5	6.1	124.3
11	Solar PV - Retail	Commercial	193.0	24.3	509.2
12	Solar PV - Warehouse	Commercial	286.0	36.4	756.7
13	Solar PV - Office	Commercial	445.7	56.6	1,178.0
14	Solar PV - Other	Commercial	26.3	3.0	68.7

Note: Measure list includes baseline measures from the Technical Potential refresh study with zero impacts.