

Measures Removed With Three Year Payback		
Residential Measures		
#	Measure Name	Participant Payback Period
1	100 112 AC Maintenance (Outdoor Coil Cleaning) / Single Detached - Manufactured	2.39
2	100 115 Electronically Commutated Motors (ECM) on an Air Handler Unit / Single Detached	2.94
3	100 115 Electronically Commutated Motors (ECM) on an Air Handler Unit / Single Detached - Manufactured	2.85
4	100 116 Duct Repair / Single Detached	2.69
5	100 119 Window Film / Multi Attached	2.58
6	100 121 Default Window With Sunscreen / Single Detached	2.17
7	130 138 AC Maintenance (Outdoor Coil Cleaning) / Single Detached	2.02
8	130 140 Proper Refrigerant Charging and Air Flow / Multi Attached	2.12
9	130 142 Duct Repair / Single Detached	2.69
10	130 145 Window Film / Multi Attached	2.58
11	130 147 Default Window With Sunscreen / Multi Attached	2.10
12	130 147 Default Window With Sunscreen / Single Detached	2.39
13	190 197 Window Film / Single Detached - Manufactured	2.31
14	190 200 Single Pane Clear Windows to Double Pane Low-E Windows / Multi Attached	2.97
15	200 242 LED 12W, 6.0hr/hday / All	2.30
16	260 263 LED Directional 13W (Flood, Outdoor) / All	2.56
Measures Removed With Three Year Payback		
Commercial Measures		
#	Measure Name	Participant Payback Period
1	100 132 Flood LED 14W / All	2.53
2	100 154 LED High Bay 83W (400W equivalent) / All	3.00
3	110 115 Lighting Control Tuneup / Warehouse	2.24
4	120 121 ROB Premium T8, 1EB / School	2.58
5	120 121 ROB Premium T8, 1EB / Warehouse	2.05
6	120 122 ROB Premium T8, EB, Reflector / College	2.67
7	120 122 ROB Premium T8, EB, Reflector / School	2.19
8	120 124 Lighting Control Tuneup / Hotel or Motel	2.79
9	140 141 CFL Hardwired, Modular 18W / Restaurant or Services	2.74
10	150 152 PSMH, 250 W, electronic ballast / College	2.63
11	150 152 PSMH, 250 W, electronic ballast / School	2.16
12	150 152 PSMH, 250 W, electronic ballast / Warehouse	2.35
13	200 202 Outdoor Lighting Controls (Photocell/Timeclock) / Office	2.13
14	300 301 Centrifugal Chiller, 0.51 kW/ton, 500 tons / College	2.63
15	300 301 Centrifugal Chiller, 0.51 kW/ton, 500 tons / Office	2.61
16	300 301 Centrifugal Chiller, 0.51 kW/ton, 500 tons / Other	2.46
17	300 301 Centrifugal Chiller, 0.51 kW/ton, 500 tons / Other Healthcare	2.67
18	300 301 Centrifugal Chiller, 0.51 kW/ton, 500 tons / School	2.58
19	300 301 Centrifugal Chiller, 0.51 kW/ton, 500 tons / Warehouse	2.56
20	300 302 High Efficiency Chiller Motors / Food Store	2.29
21	300 302 High Efficiency Chiller Motors / Restaurant or Services	2.03
22	300 302 High Efficiency Chiller Motors / Retail	2.29
23	300 304 EMS - Chiller / Food Store	2.02
24	300 304 EMS - Chiller / Other	2.99
25	300 304 EMS - Chiller / Retail	2.02
26	300 305 Chiller Tune Up/Diagnostics / Office	2.91
27	300 305 Chiller Tune Up/Diagnostics / Retail	2.83
28	300 305 Chiller Tune Up/Diagnostics / School	2.63
29	300 306 VSD for Chiller Pumps and Towers / College	2.38

30	300 306 VSD for Chiller Pumps and Towers / Office	2.35
31	300 306 VSD for Chiller Pumps and Towers / Other	2.22
32	300 306 VSD for Chiller Pumps and Towers / Other Healthcare	2.41
33	300 306 VSD for Chiller Pumps and Towers / School	2.33
34	300 306 VSD for Chiller Pumps and Towers / Warehouse	2.31
35	300 307 EMS Optimization / Other	2.30
36	300 311 Window Film (Standard) / Food Store	2.48
37	300 311 Window Film (Standard) / Restaurant or Services	2.14
38	300 313 Ceiling Insulation / Hospital	2.02
39	300 313 Ceiling Insulation / Restaurant or Services	2.69
40	300 314 Roof Insulation / Hospital	2.16
41	300 314 Roof Insulation / Restaurant or Services	2.87
42	300 337 Run Time Optimizer / All	2.76
43	320 322 Hybrid Dessicant-DX System (Trane CDQ) / Food Store	2.87
44	320 322 Hybrid Dessicant-DX System (Trane CDQ) / Hospital	2.15
45	320 322 Hybrid Dessicant-DX System (Trane CDQ) / Hotel or Motel	2.15
46	320 322 Hybrid Dessicant-DX System (Trane CDQ) / Retail	2.87
47	320 326 DX Tune Up/ Advanced Diagnostics / Hotel or Motel	2.47
48	320 326 DX Tune Up/ Advanced Diagnostics / Other Healthcare	2.33
49	320 334 Ceiling Insulation / Food Store	2.01
50	320 334 Ceiling Insulation / Other Healthcare	2.91
51	320 335 Roof Insulation / Food Store	2.14
52	320 336 Cool Roof - DX / Restaurant or Services	2.81
53	340 349 Ceiling Insulation / Other Healthcare	2.85
54	340 351 Cool Roof - DX / Hospital	2.13
55	340 351 Cool Roof - DX / Restaurant or Services	2.74
56	360 361 HE PTAC, EER=9.6, 1 ton / Food Store	2.09
57	360 361 HE PTAC, EER=9.6, 1 ton / Retail	2.09
58	400 402 Variable Speed Drive Control / Office	2.91
59	400 403 Air Handler Optimization / Hotel or Motel	2.09
60	400 403 Air Handler Optimization / Other	2.56
61	400 403 Air Handler Optimization / Retail	2.01
62	400 404 Electronically Commutated Motors (ECM) on an Air Handler Unit / College	2.07
63	400 404 Electronically Commutated Motors (ECM) on an Air Handler Unit / Food Store	2.16
64	400 404 Electronically Commutated Motors (ECM) on an Air Handler Unit / Hotel or Motel	2.43
65	400 404 Electronically Commutated Motors (ECM) on an Air Handler Unit / Office	2.86
66	400 404 Electronically Commutated Motors (ECM) on an Air Handler Unit / Other	2.43
67	400 404 Electronically Commutated Motors (ECM) on an Air Handler Unit / Restaurant or Services	2.44
68	400 404 Electronically Commutated Motors (ECM) on an Air Handler Unit / Retail	2.15
69	400 404 Electronically Commutated Motors (ECM) on an Air Handler Unit / Warehouse	2.95
70	500 513 High R-Value Glass Doors / Food Store	2.58
71	500 515 Oversized Air Cooled Condenser / Food Store	2.09
72	600 603 Heat Pump Water Heater (air source) / Other	2.39
73	600 606 Demand controlled circulating systems / Hotel or Motel	2.43
74	600 606 Demand controlled circulating systems / School	2.42
75	600 608 Heat Recovery Unit / College	2.42
76	600 608 Heat Recovery Unit / Food Store	2.14
77	600 608 Heat Recovery Unit / Other	2.84
78	800 812 Griddle / All	2.69
79	800 813 Steamer / All	2.69
80	800 814 Holding Cabinet / All	2.69

Measures Removed With Three Year Payback

Industrial Measures

#	Measure Name	Participant Payback Period
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1	110 Comp Air - Motor practices-1 (6-100 HP) / Food	2.58
2	202 Fans - Controls / Food	2.81
3	203 Fans - System Optimization / Food	2.73
4	210 Fans - Motor practices-1 (6-100 HP) / Food	2.58
5	310 Pumps - Motor practices-1 (6-100 HP) / Food	2.58
6	703 EMS - Chiller / Food	2.69
7	802 CFL Hardwired, Modular 18W / Food	2.74
8	805 Occupancy Sensor / Food	2.20
9	110 Comp Air - Motor practices-1 (6-100 HP) / Textiles	2.58
10	202 Fans - Controls / Textiles	2.81
11	203 Fans - System Optimization / Textiles	2.73
12	210 Fans - Motor practices-1 (6-100 HP) / Textiles	2.58
13	310 Pumps - Motor practices-1 (6-100 HP) / Textiles	2.58
14	402 O&M/drives spinning machines / Textiles	2.13
15	502 Drying (UV/IR) / Textiles	2.66
16	703 EMS - Chiller / Textiles	2.69
17	802 CFL Hardwired, Modular 18W / Textiles	2.74
18	805 Occupancy Sensor / Textiles	2.34
19	110 Comp Air - Motor practices-1 (6-100 HP) / Lumber	2.58
20	202 Fans - Controls / Lumber	2.81
21	203 Fans - System Optimization / Lumber	2.73
22	210 Fans - Motor practices-1 (6-100 HP) / Lumber	2.58
23	214 Optimize drying process / Lumber	2.64
24	310 Pumps - Motor practices-1 (6-100 HP) / Lumber	2.58
25	405 Drives - EE motor / Lumber	2.07
26	703 EMS - Chiller / Lumber	2.69
27	802 CFL Hardwired, Modular 18W / Lumber	2.74
28	805 Occupancy Sensor / Lumber	2.34
29	110 Comp Air - Motor practices-1 (6-100 HP) / Paper	2.58
30	202 Fans - Controls / Paper	2.81
31	203 Fans - System Optimization / Paper	2.73
32	210 Fans - Motor practices-1 (6-100 HP) / Paper	2.58
33	310 Pumps - Motor practices-1 (6-100 HP) / Paper	2.58
34	405 Drives - EE motor / Paper	2.08
35	408 Optimization control PM / Paper	2.86
36	703 EMS - Chiller / Paper	2.69
37	802 CFL Hardwired, Modular 18W / Paper	2.74
38	805 Occupancy Sensor / Paper	2.34
39	110 Comp Air - Motor practices-1 (6-100 HP) / Printing	2.58
40	202 Fans - Controls / Printing	2.81
41	203 Fans - System Optimization / Printing	2.73
42	210 Fans - Motor practices-1 (6-100 HP) / Printing	2.58
43	310 Pumps - Motor practices-1 (6-100 HP) / Printing	2.58
44	410 Efficient Printing press (fewer cylinders) / Printing	2.96
45	703 EMS - Chiller / Printing	2.69
46	802 CFL Hardwired, Modular 18W / Printing	2.74
47	805 Occupancy Sensor / Printing	2.34
48	110 Comp Air - Motor practices-1 (6-100 HP) / Chemicals	2.58
49	202 Fans - Controls / Chemicals	2.81
50	203 Fans - System Optimization / Chemicals	2.73
51	210 Fans - Motor practices-1 (6-100 HP) / Chemicals	2.58
52	310 Pumps - Motor practices-1 (6-100 HP) / Chemicals	2.58
53	413 Clean Room - Controls / Chemicals	2.46
54	703 EMS - Chiller / Chemicals	2.69
55	802 CFL Hardwired, Modular 18W / Chemicals	2.74
56	805 Occupancy Sensor / Chemicals	2.34

57	110 Comp Air - Motor practices-1 (6-100 HP) / Petroleum	2.58
58	202 Fans - Controls / Petroleum	2.81
59	203 Fans - System Optimization / Petroleum	2.73
60	210 Fans - Motor practices-1 (6-100 HP) / Petroleum	2.58
61	310 Pumps - Motor practices-1 (6-100 HP) / Petroleum	2.58
62	602 Efficient desalter / Petroleum	2.12
63	703 EMS - Chiller / Petroleum	2.69
64	802 CFL Hardwired, Modular 18W / Petroleum	2.74
65	805 Occupancy Sensor / Petroleum	2.34
66	110 Comp Air - Motor practices-1 (6-100 HP) / Rubber-Plastics	2.58
67	202 Fans - Controls / Rubber-Plastics	2.81
68	203 Fans - System Optimization / Rubber-Plastics	2.73
69	210 Fans - Motor practices-1 (6-100 HP) / Rubber-Plastics	2.58
70	310 Pumps - Motor practices-1 (6-100 HP) / Rubber-Plastics	2.58
71	418 Extruders/injection Moulding-multipump / Rubber-Plastics	2.95
72	703 EMS - Chiller / Rubber-Plastics	2.69
73	802 CFL Hardwired, Modular 18W / Rubber-Plastics	2.74
74	805 Occupancy Sensor / Rubber-Plastics	2.34
75	110 Comp Air - Motor practices-1 (6-100 HP) / Stone-Clay-Glass	2.58
76	202 Fans - Controls / Stone-Clay-Glass	2.81
77	203 Fans - System Optimization / Stone-Clay-Glass	2.73
78	210 Fans - Motor practices-1 (6-100 HP) / Stone-Clay-Glass	2.58
79	310 Pumps - Motor practices-1 (6-100 HP) / Stone-Clay-Glass	2.58
80	703 EMS - Chiller / Stone-Clay-Glass	2.69
81	802 CFL Hardwired, Modular 18W / Stone-Clay-Glass	2.74
82	805 Occupancy Sensor / Stone-Clay-Glass	2.34
83	110 Comp Air - Motor practices-1 (6-100 HP) / Primary Metals	2.58
84	202 Fans - Controls / Primary Metals	2.81
85	203 Fans - System Optimization / Primary Metals	2.73
86	210 Fans - Motor practices-1 (6-100 HP) / Primary Metals	2.58
87	310 Pumps - Motor practices-1 (6-100 HP) / Primary Metals	2.58
88	703 EMS - Chiller / Primary Metals	2.69
89	802 CFL Hardwired, Modular 18W / Primary Metals	2.74
90	805 Occupancy Sensor / Primary Metals	2.34
91	110 Comp Air - Motor practices-1 (6-100 HP) / Fab Metals	2.58
92	202 Fans - Controls / Fab Metals	2.81
93	203 Fans - System Optimization / Fab Metals	2.73
94	210 Fans - Motor practices-1 (6-100 HP) / Fab Metals	2.58
95	310 Pumps - Motor practices-1 (6-100 HP) / Fab Metals	2.58
96	428 Drives - Scheduling / Fab Metals	2.06
97	511 Heating - Scheduling / Fab Metals	2.06
98	603 New transformers welding / Fab Metals	2.06
99	703 EMS - Chiller / Fab Metals	2.69
100	802 CFL Hardwired, Modular 18W / Fab Metals	2.74
101	805 Occupancy Sensor / Fab Metals	2.34
102	110 Comp Air - Motor practices-1 (6-100 HP) / Ind Machinery	2.58
103	202 Fans - Controls / Ind Machinery	2.81
104	203 Fans - System Optimization / Ind Machinery	2.73
105	210 Fans - Motor practices-1 (6-100 HP) / Ind Machinery	2.58
106	310 Pumps - Motor practices-1 (6-100 HP) / Ind Machinery	2.58
107	428 Drives - Scheduling / Ind Machinery	2.06
108	511 Heating - Scheduling / Ind Machinery	2.06
109	603 New transformers welding / Ind Machinery	2.06
110	703 EMS - Chiller / Ind Machinery	2.69
111	802 CFL Hardwired, Modular 18W / Ind Machinery	2.74
112	805 Occupancy Sensor / Ind Machinery	2.34

113	110 Comp Air - Motor practices-1 (6-100 HP) / Electronics	2.58
114	202 Fans - Controls / Electronics	2.81
115	203 Fans - System Optimization / Electronics	2.73
116	210 Fans - Motor practices-1 (6-100 HP) / Electronics	2.58
117	310 Pumps - Motor practices-1 (6-100 HP) / Electronics	2.58
118	428 Drives - Scheduling / Electronics	2.26
119	429 Machinery / Electronics	2.05
120	604 Efficient processes (welding, etc.) / Electronics	2.06
121	703 EMS - Chiller / Electronics	2.69
122	802 CFL Hardwired, Modular 18W / Electronics	2.74
123	805 Occupancy Sensor / Electronics	2.34
124	110 Comp Air - Motor practices-1 (6-100 HP) / Transp Eqp	2.58
125	202 Fans - Controls / Transp Eqp	2.81
126	203 Fans - System Optimization / Transp Eqp	2.73
127	210 Fans - Motor practices-1 (6-100 HP) / Transp Eqp	2.58
128	310 Pumps - Motor practices-1 (6-100 HP) / Transp Eqp	2.58
129	428 Drives - Scheduling / Transp Eqp	2.06
130	603 New transformers welding / Transp Eqp	2.06
131	703 EMS - Chiller / Transp Eqp	2.69
132	802 CFL Hardwired, Modular 18W / Transp Eqp	2.74
133	805 Occupancy Sensor / Transp Eqp	2.34
134	110 Comp Air - Motor practices-1 (6-100 HP) / Instruments	2.58
135	202 Fans - Controls / Instruments	2.81
136	203 Fans - System Optimization / Instruments	2.73
137	210 Fans - Motor practices-1 (6-100 HP) / Instruments	2.58
138	310 Pumps - Motor practices-1 (6-100 HP) / Instruments	2.58
139	428 Drives - Scheduling / Instruments	2.06
140	603 New transformers welding / Instruments	2.06
141	703 EMS - Chiller / Instruments	2.69
142	802 CFL Hardwired, Modular 18W / Instruments	2.74
143	805 Occupancy Sensor / Instruments	2.34
144	110 Comp Air - Motor practices-1 (6-100 HP) / Misc	2.58
145	202 Fans - Controls / Misc	2.81
146	203 Fans - System Optimization / Misc	2.73
147	210 Fans - Motor practices-1 (6-100 HP) / Misc	2.58
148	310 Pumps - Motor practices-1 (6-100 HP) / Misc	2.58
149	428 Drives - Scheduling / Misc	2.26
150	430 Efficient Machinery / Misc	2.05
151	703 EMS - Chiller / Misc	2.69
152	802 CFL Hardwired, Modular 18W / Misc	2.74
153	805 Occupancy Sensor / Misc	2.34
154	807 Flood LED 14W (per unit) / All	2.92