

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Commission Review of Numeric Conservation Goals (Duke Energy Florida, LLC).

Docket No. 20190018-EG

Filed: May 31, 2019

DUKE ENERGY FLORIDA, LLC’S RESPONSE TO STAFF’S FIRST SET OF INTERROGATORIES (NOS. 1-33)

Duke Energy Florida, LLC (“DEF”) responds to the Staff of the Florida Public Service Commission’s (“Staff”) First Set of Interrogatories to DEF (Nos. 1-33), specifically question 29 as follows:

INTERROGATORIES

29. Please refer to witness Cross’ Exhibit No. LC-6. Please identify the unique measures, that when compared to the base case Economic Potential for each cost-effectiveness test, change from failing to passing, or passing to failing, for each Economic Potential sensitivity. Include the new cost-effectiveness values for each measure, the estimated demand and energy savings, and identify the reason for failure (if applicable). As part of this response, please complete the tables.

Measures Changing from Failing to Passing							
[Sensitivity Name] Economic Potential – [TRC or RIM]							
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)

Measures Changing from Passing to Failing								
[Sensitivity Name] Economic Potential – [TRC or RIM]								
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)	Reason For Failure

Answer:

Please see attached tables in response to Q29 bearing bates numbers 20190018-DEF-0041165 through 20190018-DEF-0041198. These tables show the measures that went from passing to failing or failing to passing for each economic sensitivity compared to the base case along with

the kw, skw, and GWh impacts for each measure and the economic potential for each measure. Please note that the sum of the economic potential for the measures added or removed for each sensitivity won't always equal the difference between the total economic potential for the base case vs the sensitivity presented in the tables in Nexant's report. This is primarily due to the effects of competing measures. For example, LED lighting measures are added to the economic potential in the 1 -Yr. Payback sensitivity, but the potential for LEDs replaces the potential for CFL's reflected in the base case. The difference in the economic potential between the base case and the 1 - Yr. sensitivity tables in Nexant's report appropriately reflect the net difference in the potential for LED's vs CFL's. The Table for the 1 - Yr. Payback sensitivity provided in this response reflects the total economic potential for measures that went from failing to passing so it shows the economic potential for LED's. CFL's still pass the economic screens so they have not been removed from the list of measures, but the economic potential has shifted to the LED measures.

Measures Changing from Failing to Passing							
Base to Low Fuel - Economic Potential – RIM							
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)
Residential	None						
Commercial	None						
Industrial	None						

Measures Changing from Failing to Passing							
Base to Low Fuel - Economic Potential – TRC							
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)
Residential	None						
Commercial	None						
Industrial	None						

Measures Changing from Failing to Passing							
Base to High Fuel - Economic Potential – RIM							
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)
Residential	T MF 15 SEER Central AC	1.20	1.11	1.09	0.00	0.00	0.00
Residential	N MF 15 SEER Central AC	1.20	1.11	1.09	0.00	0.00	0.00
Residential	T MF 16 SEER Central AC	1.15	1.11	1.04	22.97	0.00	44.91
Residential	N MF 16 SEER Central AC	1.15	1.11	1.04	0.49	0.00	0.95
Residential	E SF Energy Star Door	1.25	1.25	1.00	9.78	4.30	17.01
Residential	E MF Energy Star Door	1.25	1.25	1.00	4.87	0.87	7.81
Residential	E MH Energy Star Door	1.25	1.25	1.00	2.24	0.41	3.60
Residential	N SF Energy Star Windows	1.35	1.25	1.07	0.33	0.14	0.67
Residential	N MF Energy Star Windows	1.35	1.25	1.07	0.17	0.03	0.33
Residential	N MH Energy Star Windows	1.35	1.25	1.07	0.08	0.01	0.15
Residential	E MH Radiant Barrier	1.36	1.25	1.08	7.10	1.28	7.45
Residential	N MH Radiant Barrier	1.36	1.25	1.08	0.13	0.02	0.14
Residential	E MH Spray Foam Insulation(Base R2)	1.34	1.25	1.07	27.03	17.42	46.65
Residential	N MH Spray Foam Insulation(Base R2)	1.34	1.25	1.07	0.00	0.00	0.00
Commercial	T LG High Efficiency DX 135k- less than 240k BTU	1.27	1.15	1.11	1.45	0.00	3.70
Commercial	T RS High Efficiency DX 135k- less than 240k BTU	1.25	1.15	1.09	5.16	0.00	13.03
Commercial	N LG High Efficiency DX 135k- less than 240k BTU	1.27	1.15	1.11	0.00	0.00	0.00
Commercial	N RS High Efficiency DX 135k- less than 240k BTU	1.25	1.15	1.09	0.09	0.00	0.23
Commercial	E LG Retro-Commissioning	3.57	1.01	3.53	0.00	0.00	0.00
Commercial	E RT Retro-Commissioning	2.90	1.01	2.87	0.00	0.00	0.00
Commercial	N LG Retro-Commissioning	3.57	1.01	3.53	0.00	0.00	0.00
Commercial	N RT Retro-Commissioning	2.90	1.01	2.87	0.00	0.00	0.00
Industrial	None						

Measures Changing from Failing to Passing							
Base to High Fuel - Economic Potential – TRC							
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)
Residential	T SF Heat Pump Water Heater	1.13	0.65	1.74	39.68	121.42	440.76
Residential	N SF Heat Pump Water Heater	1.13	0.65	1.74	0.65	1.99	7.22
Residential	T MF 15 SEER Central AC	1.20	1.11	1.09	12.25	0.00	23.95
Residential	N MF 15 SEER Central AC	1.20	1.11	1.09	0.26	0.00	0.51
Residential	T MF 16 SEER Central AC	1.15	1.11	1.04	0.00	0.00	0.00
Residential	N MF 16 SEER Central AC	1.15	1.11	1.04	0.00	0.00	0.00
Residential	T SF Solar Pool Heater	1.38	0.30	4.62	0.00	0.00	48.52
Residential	T MF Solar Pool Heater	1.38	0.30	4.62	0.00	0.00	0.00
Residential	T MH Solar Pool Heater	1.38	0.30	4.62	0.00	0.00	0.00
Residential	N SF Solar Pool Heater	1.38	0.30	4.62	0.00	0.00	0.80
Residential	N MF Solar Pool Heater	1.38	0.30	4.62	0.00	0.00	0.00
Residential	N MH Solar Pool Heater	1.38	0.30	4.62	0.00	0.00	0.00
Residential	E SF Energy Star Door	1.25	1.25	1.00	9.11	3.43	15.55
Residential	E MF Energy Star Door	1.25	1.25	1.00	4.27	0.71	6.82
Residential	E MH Energy Star Door	1.25	1.25	1.00	1.99	0.34	3.18
Residential	N SF Energy Star Windows	1.35	1.25	1.07	0.32	0.12	0.63
Residential	N MF Energy Star Windows	1.35	1.25	1.07	0.17	0.03	0.33
Residential	N MH Energy Star Windows	1.35	1.25	1.07	0.00	0.00	0.00
Residential	N SF Programmable Thermostat	1.39	0.33	4.22	0.00	0.00	0.37
Residential	N MH Programmable Thermostat	1.36	0.33	4.12	0.00	0.00	0.20
Residential	E MH Radiant Barrier	1.36	1.25	1.08	6.19	1.07	6.45
Residential	N MH Radiant Barrier	1.36	1.25	1.08	0.13	0.02	0.13
Residential	E MH Spray Foam Insulation(Base R2)	1.34	1.25	1.07	0.00	0.00	0.00
Residential	N MH Spray Foam Insulation(Base R2)	1.34	1.25	1.07	0.00	0.00	0.00
Commercial	T SC Heat Pump Water Heater	1.07	0.61	1.74	0.15	0.10	0.90
Commercial	N SC Heat Pump Water Heater	1.07	0.61	1.74	0.00	0.00	0.02
Commercial	T CU Solar Water Heater	1.18	0.50	2.36	0.00	0.00	0.06
Commercial	T GR Solar Water Heater	1.03	0.50	2.05	0.06	0.01	0.85
Commercial	T RT Solar Water Heater	1.02	0.50	2.03	0.14	0.02	1.82
Commercial	T WR Solar Water Heater	1.03	0.50	2.05	0.04	0.01	0.50
Commercial	N CU Solar Water Heater	1.18	0.50	2.36	0.00	0.00	0.00
Commercial	N GR Solar Water Heater	1.03	0.50	2.05	0.00	0.00	0.02
Commercial	N RT Solar Water Heater	1.02	0.50	2.03	0.00	0.00	0.03
Commercial	N WR Solar Water Heater	1.03	0.50	2.05	0.00	0.00	0.01
Commercial	T AS LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	T CU LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	T GR LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.01
Commercial	T HC LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.01
Commercial	T HS LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	T IN LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	T LG LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	T MS LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.03
Commercial	T OF LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.03
Commercial	T RS LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.01
Commercial	T RT LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	T SC LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	T WR LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.01
Commercial	N AS LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	N CU LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	N GR LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	N HC LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	N HS LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	N IN LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	N LG LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	N MS LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	N OF LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	N RS LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	N RT LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	N SC LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	N WR LED Exterior Lighting	1.06	0.36	2.98	0.00	0.00	0.00
Commercial	T LG High Efficiency DX 135k- less than 240k BTU	1.27	1.15	1.11	1.38	0.00	3.53
Commercial	T RS High Efficiency DX 135k- less than 240k BTU	1.25	1.15	1.09	4.59	0.00	11.64
Commercial	N LG High Efficiency DX 135k- less than 240k BTU	1.27	1.15	1.11	0.00	0.00	0.01
Commercial	N RS High Efficiency DX 135k- less than 240k BTU	1.25	1.15	1.09	0.00	0.00	0.02

Commercial	T OF Variable Refrigerant Flow (VRF) HVAC Systems	1.00	0.88	1.14	0.29	1.05	4.39
Commercial	T SC Variable Refrigerant Flow (VRF) HVAC Systems	1.06	0.88	1.20	0.00	0.03	0.09
Commercial	N OF Variable Refrigerant Flow (VRF) HVAC Systems	1.00	0.88	1.14	0.01	0.02	0.08
Commercial	N SC Variable Refrigerant Flow (VRF) HVAC Systems	1.06	0.88	1.20	0.00	0.00	0.00
Commercial	T MS Premium T8 - Fixture Replacement	1.14	0.67	1.71	2.09	0.48	8.62
Commercial	N MS Premium T8 - Fixture Replacement	1.14	0.67	1.71	0.00	0.00	0.00
Commercial	T AS Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	T CU Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	T GR Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	T HC Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	T HS Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	T IN Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	T LG Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	T MS Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	T OF Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	T RS Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	T RT Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	T SC Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	N AS Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	N CU Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	N GR Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	N HC Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	N HS Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	N IN Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	N LG Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	N MS Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	N OF Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	N RS Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	N RT Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	N SC Solar Powered Pool Pump	1.16	0.72	1.61	0.00	0.00	0.00
Commercial	T AS Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	T GR Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	T HC Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	T IN Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	T LG Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	T MS Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	T OF Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	T RS Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	T RT Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	T SC Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	T WR Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	N AS Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	N GR Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	N HC Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	N IN Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	N LG Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	N MS Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	N OF Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	N RS Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	N RT Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	N SC Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	N WR Energy Star PCs	1.07	0.47	2.28	0.00	0.00	0.00
Commercial	T AS Refrigerated Display Case LED Lighting	1.16	0.54	2.15	0.00	0.00	0.00
Commercial	T CU Refrigerated Display Case LED Lighting	1.10	0.51	2.15	0.00	0.00	0.00
Commercial	T GR Refrigerated Display Case LED Lighting	1.16	0.54	2.15	0.50	0.27	3.34
Commercial	T HC Refrigerated Display Case LED Lighting	1.10	0.51	2.15	0.00	0.00	0.00
Commercial	T HS Refrigerated Display Case LED Lighting	1.10	0.51	2.15	0.00	0.00	0.00
Commercial	T IN Refrigerated Display Case LED Lighting	1.16	0.54	2.15	0.00	0.00	0.00
Commercial	T LG Refrigerated Display Case LED Lighting	1.10	0.51	2.15	0.00	0.00	0.00
Commercial	T MS Refrigerated Display Case LED Lighting	1.16	0.54	2.15	0.00	0.00	0.00
Commercial	T OF Refrigerated Display Case LED Lighting	1.16	0.54	2.15	0.00	0.00	0.00
Commercial	T RS Refrigerated Display Case LED Lighting	1.10	0.51	2.15	0.00	0.00	0.00
Commercial	T RT Refrigerated Display Case LED Lighting	1.16	0.54	2.15	0.00	0.00	0.00
Commercial	T SC Refrigerated Display Case LED Lighting	1.10	0.51	2.15	0.00	0.00	0.00
Commercial	T WR Refrigerated Display Case LED Lighting	1.16	0.54	2.15	0.00	0.00	0.00
Commercial	T AS High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.00
Commercial	T CU High Speed Fans	1.07	0.49	2.20	0.00	0.00	0.00
Commercial	T GR High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.00
Commercial	T HC High Speed Fans	1.07	0.49	2.20	0.00	0.00	0.01

Commercial	T HS High Speed Fans	1.07	0.49	2.20	0.01	0.01	0.09
Commercial	T IN High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.00
Commercial	T LG High Speed Fans	1.07	0.49	2.20	0.00	0.00	0.01
Commercial	T MS High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.00
Commercial	T OF High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.01
Commercial	T RS High Speed Fans	1.07	0.49	2.20	0.00	0.00	0.01
Commercial	T RT High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.01
Commercial	T SC High Speed Fans	1.07	0.49	2.20	0.00	0.00	0.00
Commercial	T WR High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.00
Commercial	N AS High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.00
Commercial	N CU High Speed Fans	1.07	0.49	2.20	0.00	0.00	0.00
Commercial	N GR High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.00
Commercial	N HC High Speed Fans	1.07	0.49	2.20	0.00	0.00	0.00
Commercial	N HS High Speed Fans	1.07	0.49	2.20	0.00	0.00	0.00
Commercial	N IN High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.00
Commercial	N LG High Speed Fans	1.07	0.49	2.20	0.00	0.00	0.00
Commercial	N MS High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.00
Commercial	N OF High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.00
Commercial	N RS High Speed Fans	1.07	0.49	2.20	0.00	0.00	0.00
Commercial	N RT High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.00
Commercial	N SC High Speed Fans	1.07	0.49	2.20	0.00	0.00	0.00
Commercial	N WR High Speed Fans	1.10	0.50	2.20	0.00	0.00	0.00
Commercial	E CU Hot Water Circulation Pump Control	1.06	0.59	1.79	0.00	0.00	0.01
Commercial	E HS Hot Water Circulation Pump Control	1.06	0.59	1.79	0.01	0.01	0.09
Commercial	N CU Hot Water Circulation Pump Control	1.06	0.59	1.79	0.00	0.00	0.00
Commercial	N HS Hot Water Circulation Pump Control	1.06	0.59	1.79	0.00	0.00	0.00
Commercial	E AS Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.87
Commercial	E CU Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.21
Commercial	E GR Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	3.53
Commercial	E HC Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	2.06
Commercial	E HS Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	2.09
Commercial	E IN Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	1.95
Commercial	E LG Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	2.76
Commercial	E MS Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	11.11
Commercial	E OF Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	8.97
Commercial	E RS Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	2.83
Commercial	E RT Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	12.81
Commercial	E SC Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.50
Commercial	E WR Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	2.89
Commercial	N AS Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.02
Commercial	N CU Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.00
Commercial	N GR Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.06
Commercial	N HC Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.04
Commercial	N HS Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.04
Commercial	N IN Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.04
Commercial	N LG Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.05
Commercial	N MS Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.20
Commercial	N OF Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.16
Commercial	N RS Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.05
Commercial	N RT Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.23
Commercial	N SC Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.01
Commercial	N WR Outdoor Lighting Controls	1.07	0.34	3.18	0.00	0.00	0.05
Commercial	E SC Dedicated Outdoor Air System on VRF unit	1.02	0.88	1.15	0.00	0.01	0.03
Commercial	N SC Dedicated Outdoor Air System on VRF unit	1.02	0.88	1.15	0.00	0.00	0.00
Commercial	E HC ECM Motors on Furnaces	1.28	0.33	3.91	0.00	0.00	0.00
Commercial	N HC ECM Motors on Furnaces	1.28	0.33	3.91	0.00	0.00	0.00
Commercial	E LG Hotel Card Energy Control Systems	1.03	0.38	2.72	0.04	-0.01	5.31
Commercial	N LG Hotel Card Energy Control Systems	1.03	0.38	2.72	0.00	0.00	0.04
Commercial	E CU HVAC tune-up	1.03	0.67	1.54	0.00	0.00	0.00
Commercial	N CU HVAC tune-up	1.03	0.67	1.54	0.00	0.00	0.00
Commercial	E HS Programmable Thermostat	1.23	0.49	2.51	0.00	0.00	0.00
Commercial	E IN Programmable Thermostat	1.02	0.37	2.75	0.00	0.00	0.00
Commercial	E RT Programmable Thermostat	1.02	0.97	1.05	0.00	0.00	0.00
Commercial	N HS Programmable Thermostat	1.23	0.49	2.51	0.00	0.00	0.00
Commercial	N IN Programmable Thermostat	1.02	0.37	2.75	0.00	0.00	0.00
Commercial	N RT Programmable Thermostat	1.02	0.97	1.05	0.00	0.00	0.00
Commercial	E MS Smart Thermostat	1.26	0.37	3.42	0.05	-0.02	4.05
Commercial	N MS Smart Thermostat	1.26	0.37	3.42	0.00	0.00	0.08
Commercial	E OF Warehouse Loading Dock Seals	1.10	0.72	1.52	0.00	0.00	0.00

Commercial	N OF Warehouse Loading Dock Seals	1.08	0.72	1.49	0.00	0.00	0.00
Commercial	E GR Interior Lighting Controls	1.23	0.34	3.64	0.00	0.00	1.67
Commercial	E HC Interior Lighting Controls	1.11	0.34	3.30	0.00	0.00	5.82
Commercial	E RT Interior Lighting Controls	1.10	0.34	3.27	0.00	0.00	6.87
Commercial	N GR Interior Lighting Controls	1.23	0.34	3.64	0.00	0.00	0.03
Commercial	N HC Interior Lighting Controls	1.11	0.34	3.30	0.00	0.00	0.11
Commercial	N RT Interior Lighting Controls	1.10	0.34	3.27	0.00	0.00	0.13
Commercial	E AS Retro-Commissioning	1.42	0.92	1.56	1.90	2.34	11.92
Commercial	E CU Retro-Commissioning	1.99	0.84	2.36	0.58	0.01	1.46
Commercial	E MS Retro-Commissioning	4.42	0.92	4.82	0.00	0.00	0.00
Commercial	E RT Retro-Commissioning	2.90	1.01	2.87	0.00	0.00	0.00
Commercial	N AS Retro-Commissioning	1.42	0.92	1.56	0.00	0.00	0.00
Commercial	N CU Retro-Commissioning	1.99	0.84	2.36	0.00	0.00	0.00
Commercial	N LG Retro-Commissioning	3.57	1.01	3.53	0.00	0.00	0.00
Commercial	N MS Retro-Commissioning	4.42	0.92	4.82	0.00	0.00	0.00
Commercial	N RT Retro-Commissioning	2.90	1.01	2.87	0.00	0.00	0.00
Commercial	N SC Retro-Commissioning	2.16	0.92	2.36	0.00	0.00	0.00
Industrial	AA Process Refrig System Optimization	1.06	0.48	2.21	0.43	0.42	0.00
Industrial	CS Motor Optimization	1.10	0.56	1.96	0.00	0.00	0.14
Industrial	PR Process Other Systems Optimization	1.15	0.48	2.40	0.00	0.00	0.00
Industrial	WW Motor Optimization	1.10	0.56	1.96	0.03	0.03	0.21

Measures Changing from Failing to Passing							
Base to With CO2 - Economic Potential – RIM							
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)
Residential	None						
Commercial	E GR Programmable Thermostat	5.11	1.00	5.11	0.00	0.00	0.00
Commercial	E RS Programmable Thermostat	4.26	1.00	4.26	1.83	0.00	5.30
Commercial	N GR Programmable Thermostat	5.11	1.00	5.11	0.00	0.00	0.00
Commercial	N RS Programmable Thermostat	4.26	1.00	4.26	0.03	0.00	0.10
Commercial	E GR Smart Thermostat	9.07	1.00	9.06	0.00	0.00	0.00
Commercial	E RS Smart Thermostat	7.56	1.00	7.55	0.00	0.00	0.00
Commercial	E RT Smart Thermostat	1.65	1.00	1.65	5.79	0.00	16.03
Commercial	N GR Smart Thermostat	9.07	1.00	9.06	0.00	0.00	0.00
Commercial	N RS Smart Thermostat	7.56	1.00	7.55	0.00	0.00	0.00
Commercial	N RT Smart Thermostat	1.65	1.00	1.65	0.11	0.00	0.31
Industrial	None						

Measures Changing from Failing to Passing							
Base to With CO2 - Economic Potential – TRC							
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)
Residential	T SF Solar Pool Heater	1.06	0.25	4.22	0.00	0.00	48.52
Residential	T MF Solar Pool Heater	1.06	0.25	4.22	0.00	0.00	0.00
Residential	T MH Solar Pool Heater	1.06	0.25	4.22	0.00	0.00	0.00
Residential	N SF Solar Pool Heater	1.06	0.25	4.22	0.00	0.00	0.80
Residential	N MF Solar Pool Heater	1.06	0.25	4.22	0.00	0.00	0.00
Residential	N MH Solar Pool Heater	1.06	0.25	4.22	0.00	0.00	0.00
Residential	N SF Programmable Thermostat	1.03	0.27	3.85	0.00	0.00	1.39
Residential	N MH Programmable Thermostat	1.01	0.27	3.77	0.00	0.00	0.06
Commercial	T AS Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	T CU Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	T GR Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	T HC Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	T HS Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	T IN Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	T LG Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	T MS Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	T OF Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	T RS Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	T RT Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	T SC Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	N AS Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	N CU Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	N GR Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	N HC Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	N HS Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	N IN Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	N LG Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	N MS Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	N OF Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	N RS Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	N RT Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	N SC Solar Powered Pool Pump	1.01	0.71	1.42	0.00	0.00	0.00
Commercial	E HS Programmable Thermostat	1.01	0.45	2.21	0.00	0.00	0.00
Commercial	N HS Programmable Thermostat	1.01	0.45	2.21	0.00	0.00	0.00
Industrial	None						

Measures Changing from Failing to Passing							
Base to Payback<1-Year - Economic Potential – RIM							
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)
Residential	None						
Commercial	T AS High Efficiency PTAC	8.81	1.35	6.52	0.00	0.00	0.00
Commercial	T LG High Efficiency PTAC	14.55	1.35	10.77	0.00	0.00	0.00
Commercial	T OF High Efficiency PTAC	8.63	1.18	7.34	0.00	0.00	0.00
Commercial	T RS High Efficiency PTAC	14.27	1.35	10.56	0.00	0.00	0.00
Commercial	T RT High Efficiency PTAC	11.19	1.35	8.28	0.00	0.00	0.00
Commercial	T SC High Efficiency PTAC	9.72	1.35	7.20	0.00	0.00	0.00
Commercial	N AS High Efficiency PTAC	8.81	1.35	6.52	0.00	0.00	0.00
Commercial	N LG High Efficiency PTAC	14.55	1.35	10.77	0.00	0.00	0.00
Commercial	N OF High Efficiency PTAC	8.63	1.18	7.34	0.00	0.00	0.00
Commercial	N RS High Efficiency PTAC	14.27	1.35	10.56	0.00	0.00	0.00
Commercial	N RT High Efficiency PTAC	11.19	1.35	8.28	0.00	0.00	0.00
Commercial	N SC High Efficiency PTAC	9.72	1.35	7.20	0.00	0.00	0.00
Commercial	T AS High Efficiency PTHP	8.80	1.33	6.61	0.04	0.00	0.17
Commercial	T LG High Efficiency PTHP	14.47	1.33	10.87	0.00	0.00	0.20
Commercial	T OF High Efficiency PTHP	9.84	1.33	7.39	0.36	0.00	1.87
Commercial	T RS High Efficiency PTHP	14.53	1.33	10.91	0.03	0.00	0.25
Commercial	T RT High Efficiency PTHP	11.31	1.33	8.50	0.00	0.00	0.17
Commercial	T SC High Efficiency PTHP	9.85	1.33	7.40	0.00	0.00	0.03
Commercial	N AS High Efficiency PTHP	8.80	1.33	6.61	0.00	0.00	0.00
Commercial	N LG High Efficiency PTHP	14.47	1.33	10.87	0.00	0.00	0.00
Commercial	N OF High Efficiency PTHP	9.84	1.33	7.39	0.01	0.00	0.03
Commercial	N RS High Efficiency PTHP	14.53	1.33	10.91	0.00	0.00	0.00
Commercial	N RT High Efficiency PTHP	11.31	1.33	8.50	0.00	0.00	0.00
Commercial	N SC High Efficiency PTHP	9.85	1.33	7.40	0.00	0.00	0.00
Commercial	E WR Chilled Water Controls Optimization	6.15	1.01	6.10	0.00	0.00	0.00
Commercial	N WR Chilled Water Controls Optimization	6.15	1.01	6.10	0.00	0.00	0.00
Commercial	E LG Duct Sealing Repair	11.23	1.64	6.85	0.00	0.00	0.00
Commercial	E MS Duct Sealing Repair	15.28	1.64	9.32	0.00	0.00	0.00
Commercial	N LG Duct Sealing Repair	11.23	1.64	6.85	0.00	0.00	0.00
Commercial	N MS Duct Sealing Repair	15.28	1.64	9.32	0.00	0.00	0.00
Commercial	E CU Demand Controlled Ventilation	6.14	1.25	4.90	0.08	0.48	0.81
Commercial	E HC Demand Controlled Ventilation	5.99	1.25	4.77	0.45	2.56	4.36
Commercial	E HS Demand Controlled Ventilation	8.91	1.25	7.10	0.29	1.65	2.82
Commercial	E IN Demand Controlled Ventilation	6.14	1.25	4.89	0.08	0.45	0.76
Commercial	E SC Demand Controlled Ventilation	6.32	1.25	5.04	0.11	0.61	1.05
Commercial	N CU Demand Controlled Ventilation	6.14	1.25	4.90	0.00	0.01	0.01
Commercial	N HC Demand Controlled Ventilation	5.99	1.25	4.77	0.01	0.05	0.08
Commercial	N HS Demand Controlled Ventilation	8.91	1.25	7.10	0.00	0.02	0.04
Commercial	N IN Demand Controlled Ventilation	6.14	1.25	4.89	0.00	0.01	0.01
Commercial	N SC Demand Controlled Ventilation	6.32	1.25	5.04	0.00	0.01	0.02
Commercial	E LG Retro-Commissioning	3.32	1.03	3.22	8.94	13.01	30.46
Commercial	E RT Retro-Commissioning	2.70	1.03	2.62	18.83	29.40	66.62
Commercial	N LG Retro-Commissioning	3.32	1.03	3.22	0.00	0.00	0.00
Commercial	N RT Retro-Commissioning	2.70	1.03	2.62	0.00	0.00	0.00
Industrial	None						

Measures Changing from Failing to Passing							
Base to Payback<1-Year - Economic Potential – TRC							
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)
Residential	T_SF_Energy Star Room AC	6.94	0.92	7.54	0.66	0.00	1.28
Residential	T_MF_Energy Star Room AC	6.94	0.92	7.54	0.32	0.00	0.63
Residential	T_MH_Energy Star Room AC	6.94	0.92	7.54	0.39	0.00	0.75
Residential	N_SF_Energy Star Room AC	6.94	0.92	7.54	0.01	0.00	0.02
Residential	N_MF_Energy Star Room AC	6.94	0.92	7.54	0.01	0.00	0.01
Residential	N_MH_Energy Star Room AC	6.94	0.92	7.54	0.01	0.00	0.01
Residential	T_SF_LED - 9W	3.02	0.37	8.14	17.58	18.46	199.89
Residential	T_MF_LED - 9W	3.02	0.37	8.14	8.04	8.44	91.35
Residential	T_MH_LED - 9W	3.02	0.37	8.14	2.30	2.42	26.19
Residential	N_SF_LED - 9W	3.02	0.37	8.14	0.29	0.30	3.29
Residential	N_MF_LED - 9W	3.02	0.37	8.14	0.13	0.14	1.50
Residential	N_MH_LED - 9W	3.02	0.37	8.14	0.04	0.04	0.43
Residential	T_SF_Linear LED	2.63	0.26	9.96	0.00	0.00	48.53
Residential	T_MF_Linear LED	2.63	0.26	9.96	0.00	0.00	22.18
Residential	T_MH_Linear LED	2.63	0.26	9.96	0.00	0.00	6.36
Residential	N_SF_Linear LED	2.63	0.26	9.96	0.00	0.00	0.80
Residential	N_MF_Linear LED	2.63	0.26	9.96	0.00	0.00	0.37
Residential	N_MH_Linear LED	2.63	0.26	9.96	0.00	0.00	0.10
Residential	N_MF_Faucet Aerator	3.90	0.50	7.79	0.00	0.00	0.02
Residential	N_MH_Faucet Aerator	3.87	0.50	7.73	0.00	0.00	0.00
Residential	E_SF_Hot Water Pipe Insulation	5.69	0.54	10.56	0.20	0.43	2.19
Residential	E_MF_Hot Water Pipe Insulation	4.87	0.54	9.05	1.02	2.20	11.36
Residential	N_SF_Hot Water Pipe Insulation	5.69	0.54	10.56	0.02	0.04	0.21
Residential	N_MF_Hot Water Pipe Insulation	4.87	0.54	9.05	0.01	0.02	0.08
Residential	E_SF_Smart Power Strip	1.04	0.35	2.95	0.45	0.35	4.09
Residential	E_MF_Smart Power Strip	1.04	0.35	2.95	1.33	1.04	12.10
Residential	E_MH_Smart Power Strip	1.04	0.35	2.95	0.11	0.09	1.03
Residential	N_SF_Smart Power Strip	1.04	0.35	2.95	0.01	0.01	0.07
Residential	N_MF_Smart Power Strip	1.04	0.35	2.95	0.02	0.02	0.20
Residential	N_MH_Smart Power Strip	1.04	0.35	2.95	0.00	0.00	0.02
Commercial	T_AS_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	T_CU_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	T_GR_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	T_HC_Energy Star Commercial Oven	3.00	0.61	4.93	0.01	0.00	0.04
Commercial	T_HS_Energy Star Commercial Oven	3.00	0.61	4.93	0.02	0.01	0.13
Commercial	T_IN_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	T_LG_Energy Star Commercial Oven	3.00	0.61	4.93	0.05	0.03	0.34
Commercial	T_MS_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	T_OF_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	T_RS_Energy Star Commercial Oven	3.00	0.61	4.93	0.25	0.13	1.53
Commercial	T_RT_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	T_SC_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.01
Commercial	T_WR_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	N_AS_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	N_CU_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	N_GR_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	N_HC_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	N_HS_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	N_IN_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	N_LG_Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.01

Commercial	N MS Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	N OF Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	N_RS Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.03
Commercial	N_RT Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	N SC Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	N WR Energy Star Commercial Oven	3.00	0.61	4.93	0.00	0.00	0.00
Commercial	T GR Heat Pump Water Heater	6.56	0.89	7.36	0.08	0.44	1.20
Commercial	T HC Heat Pump Water Heater	2.86	0.58	4.91	0.43	0.28	2.52
Commercial	T RS Heat Pump Water Heater	5.47	0.89	6.14	1.18	6.20	16.84
Commercial	T RT Heat Pump Water Heater	6.50	0.89	7.29	0.17	0.92	2.49
Commercial	T WR Heat Pump Water Heater	4.29	0.58	7.36	0.12	0.08	0.73
Commercial	N GR Heat Pump Water Heater	6.56	0.89	7.36	0.00	0.01	0.02
Commercial	N HC Heat Pump Water Heater	2.86	0.58	4.91	0.01	0.00	0.04
Commercial	N_RS Heat Pump Water Heater	5.47	0.89	6.14	0.02	0.11	0.30
Commercial	N_RT Heat Pump Water Heater	6.50	0.89	7.29	0.00	0.02	0.04
Commercial	N WR Heat Pump Water Heater	4.29	0.58	7.36	0.00	0.00	0.01
Commercial	T AS LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T CU LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T GR LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T HC LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T HS LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T IN LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T_LG LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T MS LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T OF LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T RS LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T RT LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T SC LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T WR LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N AS LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N CU LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N GR LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N_HC LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N HS LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N IN LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N_LG LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N MS LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N OF LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N_RS LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N_RT LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N_SC LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	N_WR LED Street Lights	2.65	0.29	8.99	0.00	0.00	0.00
Commercial	T AS High Efficiency PTAC	8.81	1.35	6.52	0.04	0.00	0.08
Commercial	T CU High Efficiency PTAC	6.57	0.91	7.23	0.00	0.00	0.00
Commercial	T_LG High Efficiency PTAC	14.55	1.35	10.77	0.00	0.00	0.00
Commercial	T OF High Efficiency PTAC	8.63	1.18	7.34	0.00	0.00	0.00
Commercial	T RS High Efficiency PTAC	14.27	1.35	10.56	0.00	0.00	0.00
Commercial	T RT High Efficiency PTAC	11.19	1.35	8.28	0.00	0.00	0.00
Commercial	T SC High Efficiency PTAC	9.72	1.35	7.20	0.00	0.00	0.00
Commercial	N AS High Efficiency PTAC	8.81	1.35	6.52	0.00	0.00	0.00
Commercial	N CU High Efficiency PTAC	6.57	0.91	7.23	0.00	0.00	0.00
Commercial	N_LG High Efficiency PTAC	14.55	1.35	10.77	0.00	0.00	0.00
Commercial	N OF High Efficiency PTAC	8.63	1.18	7.34	0.00	0.00	0.00
Commercial	N_RS High Efficiency PTAC	14.27	1.35	10.56	0.00	0.00	0.00
Commercial	N_RT High Efficiency PTAC	11.19	1.35	8.28	0.00	0.00	0.00

Commercial	N SC High Efficiency PTAC	9.72	1.35	7.20	0.00	0.00	0.00
Commercial	T AS High Efficiency PTHP	8.80	1.33	6.61	0.00	0.00	0.00
Commercial	T CU High Efficiency PTHP	6.49	0.89	7.33	0.00	0.00	0.00
Commercial	T LG High Efficiency PTHP	14.47	1.33	10.87	0.00	0.00	0.00
Commercial	T OF High Efficiency PTHP	9.84	1.33	7.39	0.36	0.00	1.87
Commercial	T RS High Efficiency PTHP	14.53	1.33	10.91	0.03	0.00	0.25
Commercial	T RT High Efficiency PTHP	11.31	1.33	8.50	0.00	0.00	0.17
Commercial	T SC High Efficiency PTHP	9.85	1.33	7.40	0.00	0.00	0.03
Commercial	N AS High Efficiency PTHP	8.80	1.33	6.61	0.00	0.00	0.00
Commercial	N CU High Efficiency PTHP	6.49	0.89	7.33	0.00	0.00	0.00
Commercial	N LG High Efficiency PTHP	14.47	1.33	10.87	0.00	0.00	0.00
Commercial	N OF High Efficiency PTHP	9.84	1.33	7.39	0.01	0.00	0.03
Commercial	N RS High Efficiency PTHP	14.53	1.33	10.91	0.00	0.00	0.00
Commercial	N RT High Efficiency PTHP	11.31	1.33	8.50	0.00	0.00	0.00
Commercial	N SC High Efficiency PTHP	9.85	1.33	7.40	0.00	0.00	0.00
Commercial	T AS High Bay Fluorescent (T5)	4.33	0.68	6.38	0.00	0.00	0.00
Commercial	T CU High Bay Fluorescent (T5)	6.63	0.68	9.78	0.00	0.00	0.00
Commercial	T HC High Bay Fluorescent (T5)	7.57	0.68	11.16	0.00	0.00	0.00
Commercial	T IN High Bay Fluorescent (T5)	4.97	0.68	7.32	0.00	0.00	0.00
Commercial	T LG High Bay Fluorescent (T5)	5.65	0.68	8.33	0.00	0.00	0.00
Commercial	T MS High Bay Fluorescent (T5)	6.63	0.68	9.78	0.00	0.00	0.00
Commercial	T OF High Bay Fluorescent (T5)	4.90	0.68	7.22	0.00	0.00	0.00
Commercial	T RS High Bay Fluorescent (T5)	5.05	0.68	7.45	0.00	0.00	0.00
Commercial	T RT High Bay Fluorescent (T5)	7.50	0.68	11.06	0.00	0.00	0.00
Commercial	T WR High Bay Fluorescent (T5)	5.76	0.68	8.48	0.00	0.00	0.00
Commercial	N AS High Bay Fluorescent (T5)	4.33	0.68	6.38	0.00	0.00	0.00
Commercial	N CU High Bay Fluorescent (T5)	6.63	0.68	9.78	0.00	0.00	0.00
Commercial	N HC High Bay Fluorescent (T5)	7.57	0.68	11.16	0.00	0.00	0.00
Commercial	N IN High Bay Fluorescent (T5)	4.97	0.68	7.32	0.00	0.00	0.00
Commercial	N LG High Bay Fluorescent (T5)	5.65	0.68	8.33	0.00	0.00	0.00
Commercial	N MS High Bay Fluorescent (T5)	6.63	0.68	9.78	0.00	0.00	0.00
Commercial	N OF High Bay Fluorescent (T5)	4.90	0.68	7.22	0.00	0.00	0.00
Commercial	N RS High Bay Fluorescent (T5)	5.05	0.68	7.45	0.00	0.00	0.00
Commercial	N RT High Bay Fluorescent (T5)	7.50	0.68	11.06	0.00	0.00	0.00
Commercial	N WR High Bay Fluorescent (T5)	5.76	0.68	8.48	0.00	0.00	0.00
Commercial	T CU High Bay LED	4.50	0.68	6.63	0.00	0.00	0.00
Commercial	T GR High Bay LED	5.66	0.68	8.34	0.00	0.00	0.00
Commercial	T HC High Bay LED	5.13	0.68	7.56	0.00	0.00	0.00
Commercial	T HS High Bay LED	6.94	0.68	10.23	0.00	0.00	0.00
Commercial	T MS High Bay LED	4.50	0.68	6.63	0.00	0.00	0.00
Commercial	T RT High Bay LED	5.08	0.68	7.50	33.94	33.30	183.54
Commercial	N CU High Bay LED	4.50	0.68	6.63	0.00	0.00	0.00
Commercial	N GR High Bay LED	5.66	0.68	8.34	0.00	0.00	0.00
Commercial	N HC High Bay LED	5.13	0.68	7.56	0.00	0.00	0.00
Commercial	N HS High Bay LED	6.94	0.68	10.23	0.00	0.00	0.00
Commercial	N MS High Bay LED	4.50	0.68	6.63	0.00	0.00	0.00
Commercial	N RT High Bay LED	5.08	0.68	7.50	0.00	0.00	0.00
Commercial	T AS LED Display Lighting (Interior)	6.89	0.81	8.55	0.00	0.00	0.00
Commercial	T IN LED Display Lighting (Interior)	7.90	0.81	9.81	0.00	0.00	0.00
Commercial	T LG LED Display Lighting (Interior)	8.92	0.80	11.17	0.00	0.00	0.00
Commercial	T OF LED Display Lighting (Interior)	7.79	0.81	9.68	0.00	0.00	0.00
Commercial	T RS LED Display Lighting (Interior)	7.98	0.80	9.98	0.00	0.00	0.00
Commercial	T SC LED Display Lighting (Interior)	5.70	0.81	7.08	0.00	0.00	0.00
Commercial	T WR LED Display Lighting (Interior)	9.16	0.81	11.37	0.00	0.00	0.00
Commercial	N AS LED Display Lighting (Interior)	6.89	0.81	8.55	0.00	0.00	0.00

Commercial	N_IN_LED Display Lighting (Interior)	7.90	0.81	9.81	0.00	0.00	0.00
Commercial	N_LG_LED Display Lighting (Interior)	8.92	0.80	11.17	0.00	0.00	0.00
Commercial	N_OF_LED Display Lighting (Interior)	7.79	0.81	9.68	0.00	0.00	0.00
Commercial	N_RS_LED Display Lighting (Interior)	7.98	0.80	9.98	0.00	0.00	0.00
Commercial	N_SC_LED Display Lighting (Interior)	5.70	0.81	7.08	0.00	0.00	0.00
Commercial	N_WR_LED Display Lighting (Interior)	9.16	0.81	11.37	0.00	0.00	0.00
Commercial	T_SC_LED Linear - Fixture Replacement	8.94	0.80	11.19	0.93	0.21	3.83
Commercial	N_SC_LED Linear - Fixture Replacement	8.94	0.80	11.19	0.00	0.00	0.00
Commercial	T_AS_LED Linear - Lamp Replacement	8.45	0.80	10.61	0.34	0.08	1.40
Commercial	T_SC_LED Linear - Lamp Replacement	6.99	0.80	8.77	0.19	0.04	0.77
Commercial	N_AS_LED Linear - Lamp Replacement	8.45	0.80	10.61	0.00	0.00	0.00
Commercial	N_SC_LED Linear - Lamp Replacement	6.99	0.80	8.77	0.00	0.00	0.00
Commercial	T_AS_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	T_CU_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	T_GR_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	T_HC_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	T_HS_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	T_IN_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.28	0.28	1.59
Commercial	T_LG_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	T_MS_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	T_OF_ENERGY STAR Water Cooler	3.00	0.59	5.08	1.44	1.44	8.26
Commercial	T_RS_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	T_RT_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	T_SC_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	T_WR_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	N_AS_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	N_CU_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	N_GR_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	N_HC_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	N_HS_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	N_IN_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.03
Commercial	N_LG_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	N_MS_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	N_OF_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.04	0.04	0.25
Commercial	N_RS_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	N_RT_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	N_SC_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	N_WR_ENERGY STAR Water Cooler	3.00	0.59	5.08	0.00	0.00	0.00
Commercial	T_AS_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.02
Commercial	T_CU_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	T_GR_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	T_HC_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	T_HS_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	T_IN_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	T_LG_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.07	2.03
Commercial	T_MS_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	T_OF_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	T_RS_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	T_RT_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	T_SC_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	T_WR_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	N_AS_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	N_CU_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	N_GR_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	N_HC_Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00

Commercial	N HS Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	N IN Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	N LG Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.02
Commercial	N MS Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	N OF Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	N RS Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	N RT Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	N SC Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	N WR Heat Pump Pool Heater	3.84	0.33	11.49	0.00	0.00	0.00
Commercial	T AS Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.02
Commercial	T CU Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	T GR Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	T HC Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	T HS Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	T IN Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	T LG Two Speed Pool Pump	4.78	0.70	6.81	0.40	0.06	1.69
Commercial	T MS Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	T OF Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	T RS Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	T RT Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	T SC Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	T WR Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	N AS Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	N CU Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	N GR Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	N HC Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	N HS Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	N IN Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	N LG Two Speed Pool Pump	4.78	0.70	6.81	0.01	0.00	0.03
Commercial	N MS Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	N OF Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	N RS Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	N RT Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	N SC Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	N WR Two Speed Pool Pump	4.78	0.70	6.81	0.00	0.00	0.00
Commercial	T CU Energy Star PCs	1.12	0.52	2.14	0.02	0.02	0.09
Commercial	T HS Energy Star PCs	1.12	0.52	2.14	0.10	0.10	0.51
Commercial	N CU Energy Star PCs	1.12	0.52	2.14	0.00	0.00	0.00
Commercial	N HS Energy Star PCs	1.12	0.52	2.14	0.00	0.00	0.01
Commercial	T AS Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.00	0.00	0.00
Commercial	T CU Energy Star Commercial Glass Door Refrigerator	2.81	0.54	5.19	0.00	0.00	0.00
Commercial	T GR Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	4.18	1.44	28.59
Commercial	T HC Energy Star Commercial Glass Door Refrigerator	2.81	0.54	5.19	0.00	0.00	0.00
Commercial	T HS Energy Star Commercial Glass Door Refrigerator	2.81	0.54	5.19	0.00	0.00	0.00
Commercial	T IN Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.00	0.00	0.00
Commercial	T LG Energy Star Commercial Glass Door Refrigerator	2.81	0.54	5.19	0.00	0.00	0.00
Commercial	T MS Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.00	0.00	0.00
Commercial	T OF Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.00	0.00	0.00
Commercial	T RS Energy Star Commercial Glass Door Refrigerator	2.81	0.54	5.19	0.00	0.00	0.00
Commercial	T RT Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.18	0.06	1.21
Commercial	T SC Energy Star Commercial Glass Door Refrigerator	2.81	0.54	5.19	0.00	0.00	0.00
Commercial	T WR Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.00	0.00	0.00
Commercial	N AS Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.00	0.00	0.00
Commercial	N CU Energy Star Commercial Glass Door Refrigerator	2.81	0.54	5.19	0.00	0.00	0.00
Commercial	N GR Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.00	0.00	0.01

Commercial	N_HC_Energy Star Commercial Glass Door Refrigerator	2.81	0.54	5.19	0.00	0.00	0.00
Commercial	N_HS_Energy Star Commercial Glass Door Refrigerator	2.81	0.54	5.19	0.00	0.00	0.00
Commercial	N_IN_Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.00	0.00	0.00
Commercial	N_LG_Energy Star Commercial Glass Door Refrigerator	2.81	0.54	5.19	0.00	0.00	0.00
Commercial	N_MS_Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.00	0.00	0.00
Commercial	N_OF_Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.00	0.00	0.00
Commercial	N_RS_Energy Star Commercial Glass Door Refrigerator	2.81	0.54	5.19	0.00	0.00	0.00
Commercial	N_RT_Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.00	0.00	0.00
Commercial	N_SC_Energy Star Commercial Glass Door Refrigerator	2.81	0.54	5.19	0.00	0.00	0.00
Commercial	N_WR_Energy Star Commercial Glass Door Refrigerator	2.98	0.57	5.19	0.00	0.00	0.00
Commercial	E_AS_Hot Water Pipe Insulation	3.88	0.52	7.43	0.00	0.00	0.01
Commercial	E_CU_Hot Water Pipe Insulation	3.85	0.52	7.43	0.00	0.00	0.00
Commercial	E_GR_Hot Water Pipe Insulation	4.02	0.54	7.43	0.00	0.00	0.01
Commercial	E_HC_Hot Water Pipe Insulation	3.88	0.52	7.43	0.01	0.01	0.05
Commercial	E_HS_Hot Water Pipe Insulation	3.85	0.52	7.43	0.00	0.00	0.01
Commercial	E_IN_Hot Water Pipe Insulation	3.88	0.52	7.43	0.03	0.04	0.31
Commercial	E_LG_Hot Water Pipe Insulation	4.02	0.54	7.43	0.01	0.01	0.09
Commercial	E_MS_Hot Water Pipe Insulation	3.88	0.52	7.43	0.00	0.00	0.01
Commercial	E_OF_Hot Water Pipe Insulation	3.88	0.52	7.43	0.00	0.00	0.04
Commercial	E_RS_Hot Water Pipe Insulation	4.02	0.54	7.43	0.01	0.02	0.18
Commercial	E_RT_Hot Water Pipe Insulation	4.02	0.54	7.43	0.00	0.00	0.02
Commercial	E_SC_Hot Water Pipe Insulation	3.88	0.52	7.43	0.01	0.01	0.06
Commercial	E_WR_Hot Water Pipe Insulation	3.88	0.52	7.43	0.00	0.00	0.01
Commercial	N_AS_Hot Water Pipe Insulation	3.88	0.52	7.43	0.00	0.00	0.00
Commercial	N_CU_Hot Water Pipe Insulation	3.85	0.52	7.43	0.00	0.00	0.00
Commercial	N_GR_Hot Water Pipe Insulation	4.02	0.54	7.43	0.00	0.00	0.00
Commercial	N_HC_Hot Water Pipe Insulation	3.88	0.52	7.43	0.00	0.00	0.00
Commercial	N_HS_Hot Water Pipe Insulation	3.85	0.52	7.43	0.00	0.00	0.00
Commercial	N_IN_Hot Water Pipe Insulation	3.88	0.52	7.43	0.00	0.00	0.01
Commercial	N_LG_Hot Water Pipe Insulation	4.02	0.54	7.43	0.00	0.00	0.01
Commercial	N_MS_Hot Water Pipe Insulation	3.88	0.52	7.43	0.00	0.00	0.00
Commercial	N_OF_Hot Water Pipe Insulation	3.88	0.52	7.43	0.00	0.00	0.00
Commercial	N_RS_Hot Water Pipe Insulation	4.02	0.54	7.43	0.00	0.00	0.02
Commercial	N_RT_Hot Water Pipe Insulation	4.02	0.54	7.43	0.00	0.00	0.00
Commercial	N_SC_Hot Water Pipe Insulation	3.88	0.52	7.43	0.00	0.00	0.01
Commercial	N_WR_Hot Water Pipe Insulation	3.88	0.52	7.43	0.00	0.00	0.00
Commercial	E_WR_Chilled Water Controls Optimization	6.15	1.01	6.10	0.00	0.00	0.00
Commercial	N_WR_Chilled Water Controls Optimization	6.15	1.01	6.10	0.00	0.00	0.00
Commercial	E_LG_Duct Sealing Repair	11.23	1.64	6.85	0.00	0.00	0.00
Commercial	E_MS_Duct Sealing Repair	15.28	1.64	9.32	0.00	0.00	0.00
Commercial	N_LG_Duct Sealing Repair	11.23	1.64	6.85	0.00	0.00	0.00
Commercial	N_MS_Duct Sealing Repair	15.28	1.64	9.32	0.00	0.00	0.00
Commercial	E_RS_ECM Motors on Furnaces	3.90	0.48	8.07	0.00	0.00	0.00
Commercial	N_RS_ECM Motors on Furnaces	3.90	0.48	8.07	0.00	0.00	0.00
Commercial	E_IN_Facility Energy Management System	4.67	0.73	6.40	0.64	0.03	3.08
Commercial	N_IN_Facility Energy Management System	4.67	0.73	6.40	0.00	0.00	0.02
Commercial	E_HC_HVAC tune-up	2.62	0.95	2.75	0.03	0.00	0.06
Commercial	E_HS_HVAC tune-up	1.71	0.66	2.60	0.00	0.00	0.01
Commercial	N_HC_HVAC tune-up	2.62	0.95	2.75	0.00	0.00	0.00
Commercial	N_HS_HVAC tune-up	1.71	0.66	2.60	0.00	0.00	0.00
Commercial	E_GR_Programmable Thermostat	5.04	0.99	5.10	0.00	0.00	0.00
Commercial	N_GR_Programmable Thermostat	5.04	0.99	5.10	0.00	0.00	0.00
Commercial	E_GR_Smart Thermostat	8.94	0.99	9.05	1.44	0.00	4.30
Commercial	E_RS_Smart Thermostat	7.45	0.99	7.54	5.34	0.00	15.50
Commercial	N_GR_Smart Thermostat	8.94	0.99	9.05	0.03	0.00	0.08

Commercial	N_RS_Smart_Thermostat	7.45	0.99	7.54	0.10	0.00	0.28
Commercial	E_HS_Interior_Lighting_Controls	1.07	0.27	3.94	0.00	0.00	5.98
Commercial	N_HS_Interior_Lighting_Controls	1.07	0.27	3.94	0.00	0.00	0.11
Commercial	E_CU_Smart_Strip_Plug_Outlet	1.17	0.46	2.54	0.00	0.00	0.03
Commercial	E_GR_Smart_Strip_Plug_Outlet	1.14	0.46	2.46	0.02	0.02	0.15
Commercial	E_HC_Smart_Strip_Plug_Outlet	1.60	0.46	3.46	0.02	0.02	0.15
Commercial	E_IN_Smart_Strip_Plug_Outlet	1.46	0.46	3.16	0.01	0.00	0.08
Commercial	E_LG_Smart_Strip_Plug_Outlet	1.31	0.46	2.84	0.15	0.11	1.03
Commercial	E_OF_Smart_Strip_Plug_Outlet	1.11	0.46	2.40	0.11	0.07	0.71
Commercial	E_RS_Smart_Strip_Plug_Outlet	1.07	0.46	2.31	0.04	0.00	0.30
Commercial	E_SC_Smart_Strip_Plug_Outlet	1.61	0.46	3.48	0.01	0.00	0.04
Commercial	N_CU_Smart_Strip_Plug_Outlet	1.17	0.46	2.54	0.00	0.00	0.00
Commercial	N_GR_Smart_Strip_Plug_Outlet	1.14	0.46	2.46	0.00	0.00	0.00
Commercial	N_HC_Smart_Strip_Plug_Outlet	1.60	0.46	3.46	0.00	0.00	0.00
Commercial	N_IN_Smart_Strip_Plug_Outlet	1.46	0.46	3.16	0.00	0.00	0.00
Commercial	N_LG_Smart_Strip_Plug_Outlet	1.31	0.46	2.84	0.00	0.00	0.02
Commercial	N_OF_Smart_Strip_Plug_Outlet	1.11	0.46	2.40	0.00	0.00	0.01
Commercial	N_RS_Smart_Strip_Plug_Outlet	1.07	0.46	2.31	0.00	0.00	0.01
Commercial	N_SC_Smart_Strip_Plug_Outlet	1.61	0.46	3.48	0.00	0.00	0.00
Commercial	E_AS_Anti-Sweat_Controls	1.49	0.39	3.87	0.00	0.00	0.01
Commercial	E_CU_Anti-Sweat_Controls	1.82	0.47	3.87	0.00	0.00	0.00
Commercial	E_GR_Anti-Sweat_Controls	1.49	0.39	3.87	1.15	1.16	14.42
Commercial	E_HC_Anti-Sweat_Controls	1.82	0.47	3.87	0.00	0.00	0.01
Commercial	E_HS_Anti-Sweat_Controls	1.82	0.47	3.87	0.01	0.01	0.10
Commercial	E_IN_Anti-Sweat_Controls	1.49	0.39	3.87	0.00	0.00	0.00
Commercial	E_LG_Anti-Sweat_Controls	1.82	0.47	3.87	0.06	0.05	0.44
Commercial	E_MS_Anti-Sweat_Controls	1.49	0.39	3.87	0.00	0.00	0.00
Commercial	E_OF_Anti-Sweat_Controls	1.49	0.39	3.87	0.00	0.00	0.00
Commercial	E_RS_Anti-Sweat_Controls	1.82	0.47	3.87	0.63	0.53	4.87
Commercial	E_RT_Anti-Sweat_Controls	1.49	0.39	3.87	0.05	0.05	0.59
Commercial	E_SC_Anti-Sweat_Controls	1.82	0.47	3.87	0.00	0.00	0.02
Commercial	E_WR_Anti-Sweat_Controls	1.49	0.39	3.87	0.00	0.00	0.00
Commercial	N_AS_Anti-Sweat_Controls	1.49	0.39	3.87	0.00	0.00	0.00
Commercial	N_CU_Anti-Sweat_Controls	1.82	0.47	3.87	0.00	0.00	0.00
Commercial	N_GR_Anti-Sweat_Controls	1.49	0.39	3.87	0.00	0.00	0.00
Commercial	N_HC_Anti-Sweat_Controls	1.82	0.47	3.87	0.00	0.00	0.00
Commercial	N_HS_Anti-Sweat_Controls	1.82	0.47	3.87	0.00	0.00	0.00
Commercial	N_IN_Anti-Sweat_Controls	1.49	0.39	3.87	0.00	0.00	0.00
Commercial	N_LG_Anti-Sweat_Controls	1.82	0.47	3.87	0.00	0.00	0.00
Commercial	N_MS_Anti-Sweat_Controls	1.49	0.39	3.87	0.00	0.00	0.00
Commercial	N_OF_Anti-Sweat_Controls	1.49	0.39	3.87	0.00	0.00	0.00
Commercial	N_RS_Anti-Sweat_Controls	1.82	0.47	3.87	0.00	0.00	0.00
Commercial	N_RT_Anti-Sweat_Controls	1.49	0.39	3.87	0.00	0.00	0.00
Commercial	N_SC_Anti-Sweat_Controls	1.82	0.47	3.87	0.00	0.00	0.00
Commercial	N_WR_Anti-Sweat_Controls	1.49	0.39	3.87	0.00	0.00	0.00
Commercial	E_AS_Floating_Head_Pressure_Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	E_CU_Floating_Head_Pressure_Controls	5.12	0.56	9.10	0.00	0.00	0.01
Commercial	E_GR_Floating_Head_Pressure_Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	E_HC_Floating_Head_Pressure_Controls	5.12	0.56	9.10	0.02	0.02	0.17
Commercial	E_HS_Floating_Head_Pressure_Controls	5.12	0.56	9.10	0.02	0.02	0.16
Commercial	E_IN_Floating_Head_Pressure_Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	E_LG_Floating_Head_Pressure_Controls	5.12	0.56	9.10	0.13	0.11	1.04
Commercial	E_MS_Floating_Head_Pressure_Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	E_OF_Floating_Head_Pressure_Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	E_RS_Floating_Head_Pressure_Controls	5.12	0.56	9.10	0.00	0.00	0.00

Commercial	E_RT Floating Head Pressure Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	E_SC Floating Head Pressure Controls	5.12	0.56	9.10	0.01	0.01	0.06
Commercial	E_WR Floating Head Pressure Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	N_AS Floating Head Pressure Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	N_CU Floating Head Pressure Controls	5.12	0.56	9.10	0.00	0.00	0.00
Commercial	N_GR Floating Head Pressure Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	N_HC Floating Head Pressure Controls	5.12	0.56	9.10	0.00	0.00	0.00
Commercial	N_HS Floating Head Pressure Controls	5.12	0.56	9.10	0.00	0.00	0.00
Commercial	N_IN Floating Head Pressure Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	N_LG Floating Head Pressure Controls	5.12	0.56	9.10	0.00	0.00	0.02
Commercial	N_MS Floating Head Pressure Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	N_OF Floating Head Pressure Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	N_RS Floating Head Pressure Controls	5.12	0.56	9.10	0.00	0.00	0.00
Commercial	N_RT Floating Head Pressure Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	N_SC Floating Head Pressure Controls	5.12	0.56	9.10	0.00	0.00	0.00
Commercial	N_WR Floating Head Pressure Controls	5.53	0.61	9.10	0.00	0.00	0.00
Commercial	E_AS CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	E_CU CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	E_GR CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	E_HC CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.01	0.01	0.13
Commercial	E_HS CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.05	0.05	1.30
Commercial	E_IN CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	E_LG CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	E_MS CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	E_OF CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.12
Commercial	E_RS CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	E_RT CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.01	0.01	0.24
Commercial	E_SC CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	E_WR CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	N_AS CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	N_CU CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	N_GR CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	N_HC CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	N_HS CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.02
Commercial	N_IN CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	N_LG CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	N_MS CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	N_OF CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	N_RS CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	N_RT CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	N_SC CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	N_WR CO Sensors for Parking Garage Exhaust	3.42	0.38	9.09	0.00	0.00	0.00
Commercial	E_CU Demand Controlled Ventilation	6.14	1.25	4.90	0.08	0.48	0.81
Commercial	E_HC Demand Controlled Ventilation	5.99	1.25	4.77	0.45	2.56	4.36
Commercial	E_HS Demand Controlled Ventilation	8.91	1.25	7.10	0.29	1.65	2.82
Commercial	E_IN Demand Controlled Ventilation	6.14	1.25	4.89	0.08	0.45	0.76
Commercial	E_SC Demand Controlled Ventilation	6.32	1.25	5.04	0.11	0.61	1.05
Commercial	N_CU Demand Controlled Ventilation	6.14	1.25	4.90	0.00	0.01	0.01
Commercial	N_HC Demand Controlled Ventilation	5.99	1.25	4.77	0.01	0.05	0.08
Commercial	N_HS Demand Controlled Ventilation	8.91	1.25	7.10	0.00	0.02	0.04
Commercial	N_IN Demand Controlled Ventilation	6.14	1.25	4.89	0.00	0.01	0.01
Commercial	N_SC Demand Controlled Ventilation	6.32	1.25	5.04	0.00	0.01	0.02
Commercial	E_LG Retro-Commissioning	3.32	1.03	3.22	9.02	12.93	30.75
Commercial	E_MS Retro-Commissioning	4.08	0.93	4.40	10.22	30.51	65.93
Commercial	E_RT Retro-Commissioning	2.70	1.03	2.62	16.89	25.40	60.35

Commercial	N_LG_Retro-Commissioning	3.32	1.03	3.22	0.00	0.00	0.00
Commercial	N_MS_Retro-Commissioning	4.08	0.93	4.40	0.00	0.00	0.00
Commercial	N_RT_Retro-Commissioning	2.70	1.03	2.62	0.00	0.00	0.00
Industrial	AA_Plant Energy Management	3.85	0.54	7.09	2.06	2.03	14.86
Industrial	AA_Process Refrig Equipment Upgrade	2.26	0.53	4.29	0.08	0.08	0.57
Industrial	AA_Motor Optimization	3.19	0.52	6.14	0.02	0.02	0.18
Industrial	AA_Motor Equipment Upgrades	2.59	0.52	4.98	0.00	0.00	0.00
Industrial	AA_Lighting Controls	3.34	0.53	6.24	0.00	0.00	0.00
Industrial	AA_Building Envelope Improvements	4.05	0.59	6.87	0.00	0.00	0.00
Industrial	AA_HVAC Equipment Upgrades	6.18	0.61	10.19	0.00	0.00	0.00
Industrial	AA_Lighting Controls - Exterior	1.73	0.28	6.24	0.00	0.00	0.00
Industrial	AA_Efficient Lighting - Exterior	2.65	0.29	9.16	0.00	0.00	0.00
Industrial	CP_Process Refrig Equipment Upgrade	2.49	0.53	4.73	0.00	0.00	0.00
Industrial	CP_Pump System Optimization	4.24	0.52	8.16	0.00	0.00	0.00
Industrial	CP_Motor Improved Controls	5.99	0.57	10.45	0.00	0.00	0.00
Industrial	CP_Lighting Controls	2.98	0.53	5.57	0.23	0.22	1.59
Industrial	CP_Building Envelope Improvements	5.84	0.59	9.91	0.00	0.00	0.00
Industrial	CP_HVAC Equipment Upgrades	8.08	0.61	13.33	0.00	0.00	0.00
Industrial	CP_Lighting Controls - Exterior	1.55	0.28	5.57	0.00	0.00	0.00
Industrial	CP_Efficient Lighting - Exterior	2.65	0.29	9.16	0.00	0.00	0.00
Industrial	CP_Compressed Air Controls	3.03	0.56	5.42	0.00	0.00	0.00
Industrial	CP_Compressed Air Equipment	4.71	0.57	8.21	0.00	0.00	0.00
Industrial	CS_Process Refrig System Optimization	1.68	0.45	3.74	0.00	0.00	0.00
Industrial	CS_Motor Improved Controls	6.12	0.57	10.68	0.00	0.00	0.00
Industrial	CS_Pump Equipment Upgrade	4.77	0.57	8.32	0.00	0.00	0.00
Industrial	CS_Motor Equipment Upgrades	2.46	0.52	4.73	0.00	0.00	0.00
Industrial	CS_Fan Equipment Upgrades	3.48	0.57	6.07	0.00	0.00	0.00
Industrial	CS_Lighting Controls	3.01	0.53	5.64	0.00	0.00	0.00
Industrial	CS_Building Envelope Improvements	4.52	0.59	7.67	0.49	0.48	3.47
Industrial	CS_HVAC Equipment Upgrades	5.60	0.61	9.24	0.40	0.39	2.82
Industrial	CS_Lighting Controls - Exterior	1.57	0.28	5.64	0.00	0.00	0.14
Industrial	CS_Efficient Lighting - Exterior	2.65	0.29	9.16	0.00	0.00	0.41
Industrial	CS_Compressed Air Equipment	6.13	0.57	10.70	0.00	0.00	0.00
Industrial	EE_Process Other Systems Optimization	1.58	0.45	3.53	0.00	0.00	0.00
Industrial	EE_Motor Equipment Upgrades	2.50	0.52	4.80	0.00	0.00	0.00
Industrial	EE_Lighting Controls	2.92	0.53	5.46	0.00	0.00	0.00
Industrial	EE_HVAC Improved Controls	4.80	0.59	8.14	0.00	0.00	0.00
Industrial	EE_Building Envelope Improvements	3.75	0.59	6.37	0.00	0.00	0.00
Industrial	EE_HVAC Equipment Upgrades	6.18	0.61	10.19	0.00	0.00	0.00
Industrial	EE_Lighting Controls - Exterior	1.52	0.28	5.46	0.00	0.00	0.00
Industrial	EE_Efficient Lighting - Exterior	2.65	0.29	9.16	0.00	0.00	0.00
Industrial	LP_Process Other Systems Optimization	1.61	0.45	3.59	0.00	0.00	0.00
Industrial	LP_Plant Energy Management	3.83	0.54	7.09	0.00	0.00	0.00
Industrial	LP_Lighting Controls	2.42	0.53	4.52	0.00	0.00	0.00
Industrial	LP_HVAC Equipment Upgrades	6.18	0.61	10.19	0.00	0.00	0.00
Industrial	LP_Lighting Controls - Exterior	1.25	0.28	4.52	0.00	0.00	0.00
Industrial	LP_Efficient Lighting - Exterior	2.65	0.29	9.16	0.00	0.00	0.00
Industrial	LP_Compressed Air Equipment	4.36	0.57	7.61	0.57	0.56	4.24
Industrial	MM_Process Other Systems Optimization	1.07	0.45	2.38	0.00	0.00	0.00
Industrial	MM_Plant Energy Management	4.90	0.54	9.06	0.00	0.00	0.00
Industrial	MM_Process Heat Equipment Upgrade	4.06	0.53	7.71	0.00	0.00	0.00
Industrial	MM_Pump Equipment Upgrade	4.32	0.57	7.54	0.75	0.73	5.58
Industrial	MM_Motor Equipment Upgrades	2.24	0.52	4.30	0.30	0.30	2.25
Industrial	MM_Fan Equipment Upgrades	4.32	0.57	7.54	0.12	0.12	0.89
Industrial	MM_Lighting Controls	2.65	0.53	4.95	0.00	0.00	0.00

Industrial	MM Building Envelope Improvements	5.06	0.59	8.59	0.00	0.00	0.00
Industrial	MM HVAC Equipment Upgrades	5.18	0.61	8.53	0.00	0.00	0.00
Industrial	MM Lighting Controls - Exterior	1.38	0.28	4.95	0.00	0.00	0.00
Industrial	MM Efficient Lighting - Exterior	2.65	0.29	9.16	0.00	0.00	0.00
Industrial	MM Compressed Air Equipment	6.43	0.57	11.22	0.00	0.00	0.00
Industrial	MS Pump System Optimization	2.92	0.52	5.61	0.00	0.00	0.00
Industrial	MS Pump Equipment Upgrade	4.77	0.57	8.32	0.00	0.00	0.00
Industrial	MS Fan Equipment Upgrades	3.48	0.57	6.07	0.00	0.00	0.00
Industrial	MS Lighting Controls	3.74	0.53	6.98	0.34	0.34	2.42
Industrial	MS Building Envelope Improvements	6.54	0.59	11.09	0.13	0.13	0.90
Industrial	MS Lighting Controls - Exterior	1.94	0.28	6.98	0.00	0.00	0.00
Industrial	MS Efficient Lighting - Exterior	2.65	0.29	9.16	0.00	0.00	0.00
Industrial	PR Process Refrig Equipment Upgrade	2.82	0.53	5.36	0.00	0.00	0.00
Industrial	PR Pump Equipment Upgrade	5.71	0.57	9.96	0.00	0.00	0.00
Industrial	PR Motor Equipment Upgrades	2.38	0.52	4.56	0.00	0.00	0.00
Industrial	PR Fan Equipment Upgrades	5.71	0.57	9.96	0.00	0.00	0.00
Industrial	PR Lighting Controls	2.87	0.53	5.36	0.00	0.00	0.00
Industrial	PR Building Envelope Improvements	5.02	0.59	8.52	0.00	0.00	0.00
Industrial	PR Lighting Controls - Exterior	1.49	0.28	5.36	0.00	0.00	0.20
Industrial	PR Efficient Lighting - Exterior	2.65	0.29	9.16	0.00	0.00	0.59
Industrial	PR Compressed Air Equipment	5.25	0.57	9.16	0.00	0.00	0.00
Industrial	ST Pump Equipment Upgrade	3.48	0.57	6.07	0.26	0.26	1.97
Industrial	ST Fan Equipment Upgrades	3.48	0.57	6.07	0.00	0.00	0.00
Industrial	ST Lighting Controls	2.81	0.53	5.26	0.00	0.00	0.00
Industrial	ST Building Envelope Improvements	4.22	0.59	7.15	0.00	0.00	0.00
Industrial	ST HVAC Equipment Upgrades	6.18	0.61	10.19	0.00	0.00	0.00
Industrial	ST Lighting Controls - Exterior	1.46	0.28	5.26	0.00	0.00	0.00
Industrial	ST Efficient Lighting - Exterior	2.65	0.29	9.16	0.00	0.00	0.00
Industrial	TX Process Refrig Equipment Upgrade	2.52	0.53	4.79	0.00	0.00	0.00
Industrial	TX Pump Equipment Upgrade	4.96	0.57	8.66	0.01	0.01	0.09
Industrial	TX Motor Equipment Upgrades	2.92	0.52	5.60	0.00	0.00	0.00
Industrial	TX Fan Equipment Upgrades	4.96	0.57	8.66	0.04	0.04	0.32
Industrial	TX Lighting Controls	3.29	0.53	6.14	0.05	0.05	0.36
Industrial	TX HVAC Equipment Upgrades	6.02	0.61	9.93	0.00	0.00	0.00
Industrial	TX Lighting Controls - Exterior	1.71	0.28	6.14	0.00	0.00	0.00
Industrial	TX Efficient Lighting - Exterior	2.65	0.29	9.16	0.00	0.00	0.00
Industrial	TX Compressed Air Equipment	5.04	0.57	8.80	0.00	0.00	0.00
Industrial	TR Process Refrig Equipment Upgrade	3.39	0.53	6.44	0.00	0.00	0.00
Industrial	TR Lighting Controls	3.21	0.53	6.00	0.00	0.00	0.00
Industrial	TR Building Envelope Improvements	4.82	0.59	8.17	0.07	0.07	0.47
Industrial	TR HVAC Equipment Upgrades	6.18	0.61	10.19	0.06	0.06	0.42
Industrial	TR Lighting Controls - Exterior	1.67	0.28	6.00	0.00	0.00	0.03
Industrial	TR Efficient Lighting - Exterior	2.65	0.29	9.16	0.00	0.00	0.00
Industrial	WW Process Refrig System Optimization	1.68	0.45	3.74	0.00	0.00	0.01
Industrial	WW Motor Improved Controls	6.12	0.57	10.68	0.00	0.00	0.00
Industrial	WW Pump Equipment Upgrade	4.77	0.57	8.32	1.98	1.93	14.74
Industrial	WW Motor Equipment Upgrades	2.46	0.52	4.73	0.08	0.08	0.61
Industrial	WW Fan Equipment Upgrades	3.48	0.57	6.07	1.14	1.11	8.45
Industrial	WW Lighting Controls	3.01	0.53	5.64	1.26	1.23	8.83
Industrial	WW Building Envelope Improvements	4.52	0.59	7.67	1.86	1.82	13.06
Industrial	WW HVAC Equipment Upgrades	5.60	0.61	9.24	2.12	2.07	14.92
Industrial	WW Lighting Controls - Exterior	1.57	0.28	5.64	0.00	0.00	0.64
Industrial	WW Efficient Lighting - Exterior	2.65	0.29	9.16	0.00	0.00	1.93
Industrial	WW Compressed Air Equipment	6.13	0.57	10.70	1.78	1.74	13.24

Measures Changing from Failing to Passing							
Base to Payback<3-Years - Economic Potential – RIM							
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)
Residential	None						
Commercial	None						
Industrial	None						

Measures Changing from Failing to Passing							
Base to Payback<3-Years - Economic Potential – TRC							
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)
Residential	None						
Commercial	None						
Industrial	None						

Measures Changing from Passing to Failing								
Base to Low Fuel - Economic Potential – RIM								
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)	Reason For Failure
Residential	None							
Commercial	E_WR_Demand Controlled Ventilation	1.24	1.27	0.97	0.14	0.76	1.30	PCT
Commercial	N WR Demand Controlled Ventilation	1.24	1.27	0.97	0.00	0.01	0.02	PCT
Industrial	None							

Measures Changing from Passing to Failing								
Base to Low Fuel - Economic Potential – TRC								
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)	Reason For Failure
Residential	None							
Commercial	T HS Premium T8 - Fixture Replacement	0.98	0.43	2.29	0.18	0.17	1.70	TRC
Commercial	N HS Premium T8 - Fixture Replacement	0.98	0.43	2.29	0.00	0.00	0.00	TRC
Commercial	T AS Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	T CU Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	T GR Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	T HC Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	T HS Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	T IN Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	T LG Solar Pool Heater	0.99	0.32	3.08	0.00	0.01	0.14	TRC
Commercial	T MS Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	T OF Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	T RS Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	T RT Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	T SC Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	T WR Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N AS Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N CU Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N GR Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N HC Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N HS Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N IN Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N LG Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N MS Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N OF Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N RS Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N RT Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N SC Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	N WR Solar Pool Heater	0.99	0.32	3.08	0.00	0.00	0.00	TRC
Commercial	E RT Dedicated Outdoor Air System on VRF unit	0.99	0.89	1.11	0.00	0.05	0.17	TRC
Commercial	N RT Dedicated Outdoor Air System on VRF unit	0.99	0.89	1.11	0.00	0.00	0.00	TRC
Commercial	E AS Facility Energy Management System	0.99	0.73	1.35	0.57	0.01	2.76	TRC
Commercial	N AS Facility Energy Management System	0.99	0.73	1.35	0.01	0.00	0.04	TRC
Commercial	E MS Water Cooled Refrigeration Heat Recovery	0.96	0.42	2.30	0.00	0.00	0.00	TRC
Commercial	N MS Water Cooled Refrigeration Heat Recovery	0.96	0.42	2.30	0.00	0.00	0.00	TRC
Commercial	E WR Demand Controlled Ventilation	1.24	1.27	0.97	0.14	0.76	1.30	PCT
Commercial	N WR Demand Controlled Ventilation	1.24	1.27	0.97	0.00	0.01	0.02	PCT
Industrial	CP Process Heat Improved Controls	0.99	0.57	1.73	0.06	0.06	0.43	TRC

Measures Changing from Passing to Failing								
Base to High Fuel - Economic Potential – RIM								
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)	Reason For Failure
Residential	None							
Commercial	T AS Efficient Battery Charger	1.80	1.00	1.80	0.68	0.00	1.24	RIM
Commercial	T CU Efficient Battery Charger	1.80	1.00	1.80	0.00	0.00	0.00	RIM
Commercial	T GR Efficient Battery Charger	1.80	1.00	1.80	0.93	0.00	1.70	RIM
Commercial	T HC Efficient Battery Charger	1.80	1.00	1.80	0.94	0.00	1.71	RIM
Commercial	T HS Efficient Battery Charger	1.80	1.00	1.80	1.23	0.00	2.24	RIM
Commercial	T IN Efficient Battery Charger	1.80	1.00	1.80	0.96	0.00	1.75	RIM
Commercial	T LG Efficient Battery Charger	1.80	1.00	1.80	2.18	0.00	3.98	RIM
Commercial	T MS Efficient Battery Charger	1.80	1.00	1.80	0.00	0.00	0.00	RIM
Commercial	T OF Efficient Battery Charger	1.80	1.00	1.80	5.56	0.00	10.15	RIM
Commercial	T RS Efficient Battery Charger	1.80	1.00	1.80	0.00	0.00	0.00	RIM
Commercial	T RT Efficient Battery Charger	1.80	1.00	1.80	3.04	0.00	5.55	RIM
Commercial	T SC Efficient Battery Charger	1.80	1.00	1.80	0.00	0.00	0.00	RIM
Commercial	T WR Efficient Battery Charger	1.80	1.00	1.80	1.03	0.00	1.88	RIM
Commercial	N AS Efficient Battery Charger	1.80	1.00	1.80	0.01	0.00	0.02	RIM
Commercial	N CU Efficient Battery Charger	1.80	1.00	1.80	0.00	0.00	0.00	RIM
Commercial	N GR Efficient Battery Charger	1.80	1.00	1.80	0.02	0.00	0.03	RIM
Commercial	N HC Efficient Battery Charger	1.80	1.00	1.80	0.02	0.00	0.03	RIM
Commercial	N HS Efficient Battery Charger	1.80	1.00	1.80	0.02	0.00	0.04	RIM
Commercial	N IN Efficient Battery Charger	1.80	1.00	1.80	0.02	0.00	0.03	RIM
Commercial	N LG Efficient Battery Charger	1.80	1.00	1.80	0.04	0.00	0.07	RIM
Commercial	N MS Efficient Battery Charger	1.80	1.00	1.80	0.00	0.00	0.00	RIM
Commercial	N OF Efficient Battery Charger	1.80	1.00	1.80	0.10	0.00	0.18	RIM
Commercial	N RS Efficient Battery Charger	1.80	1.00	1.80	0.00	0.00	0.00	RIM
Commercial	N RT Efficient Battery Charger	1.80	1.00	1.80	0.05	0.00	0.10	RIM
Commercial	N SC Efficient Battery Charger	1.80	1.00	1.80	0.00	0.00	0.00	RIM
Commercial	N WR Efficient Battery Charger	1.80	1.00	1.80	0.02	0.00	0.03	RIM
Industrial	None							

Measures Changing from Passing to Failing								
Base to High Fuel - Economic Potential – TRC								
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)	Reason For Failure
Residential	None							
Commercial	E AS ENERGY STAR certified buildings program	0.94	1.29	0.73	0.00	0.00	0.00	PCT
Commercial	E CU ENERGY STAR certified buildings program	1.09	1.18	0.93	0.00	0.00	0.00	PCT
Commercial	E HC Retro-Commissioning	5.73	0.92	6.26	0.00	0.00	0.00	PB and RIM
Commercial	E IN Retro-Commissioning	6.47	0.92	7.06	0.00	0.00	0.00	PB and RIM
Commercial	E LG Retro-Commissioning	3.57	1.01	3.53	0.00	0.00	0.00	Payback
Commercial	N HC Retro-Commissioning	5.73	0.92	6.26	0.00	0.00	0.00	PB and RIM
Industrial	None							

Measures Changing from Passing to Failing								
Base to With CO2 - Economic Potential – RIM								
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)	Reason For Failure
Residential	None							
Commercial	None							
Industrial	None							

Measures Changing from Passing to Failing								
Base to With CO2 - Economic Potential – TRC								
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)	Reason For Failure
Residential	None							
Commercial	None							
Industrial	None							

Measures Changing from Passing to Failing								
Base to Payback <1-Year - Economic Potential – RIM								
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)	Reason For Failure
Residential	None							
Commercial	None							
Industrial	None							

Measures Changing from Passing to Failing								
Base to Payback <1-Year - Economic Potential – TRC								
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)	Reason For Failure
Residential	None							
Commercial	None							
Industrial	None							

Measures Changing from Passing to Failing								
Base to Payback <3-Years - Economic Potential – RIM								
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)	Reason For Failure
Residential	E SF Ceiling Insulation(R2 to R38)	7.31	1.27	5.73	17.63	8.09	27.08	Payback<3-years
Residential	N SF Ceiling Insulation(R2 to R38)	7.31	1.27	5.73	0.00	0.00	0.00	Payback<3-years
Residential	E SF Duct Repair	3.64	1.13	3.22	53.19	20.03	82.04	Payback<3-years
Residential	E MH Duct Repair	3.56	1.13	3.15	58.13	9.96	60.47	Payback<3-years
Commercial	E CU Duct Sealing Repair	7.49	1.64	4.57	0.00	0.00	0.00	Payback<3-years
Commercial	E RT Duct Sealing Repair	9.12	1.64	5.56	3.91	0.34	20.34	Payback<3-years
Commercial	E SC Duct Sealing Repair	7.49	1.64	4.57	0.00	0.00	0.00	Payback<3-years
Commercial	N CU Duct Sealing Repair	7.49	1.64	4.57	0.00	0.00	0.00	Payback<3-years
Commercial	N RT Duct Sealing Repair	9.12	1.64	5.56	0.00	0.00	0.00	Payback<3-years
Commercial	N SC Duct Sealing Repair	7.49	1.64	4.57	0.00	0.00	0.00	Payback<3-years
Commercial	E LG Demand Controlled Ventilation	5.03	1.25	4.01	1.18	6.62	11.29	Payback<3-years
Commercial	E MS Demand Controlled Ventilation	4.56	1.25	3.64	0.08	0.46	0.79	Payback<3-years
Commercial	E OF Demand Controlled Ventilation	4.78	1.25	3.81	1.78	10.01	17.07	Payback<3-years
Commercial	N LG Demand Controlled Ventilation	5.03	1.25	4.01	0.02	0.12	0.20	Payback<3-years
Commercial	N MS Demand Controlled Ventilation	4.56	1.25	3.64	0.00	0.01	0.01	Payback<3-years
Commercial	N OF Demand Controlled Ventilation	4.78	1.25	3.81	0.02	0.14	0.23	Payback<3-years
Industrial	None							

Measures Changing from Passing to Failing								
Base to Payback <3-Years - Economic Potential – TRC								
Customer Class	Measure Name	TRC	RIM	PCT	Summer (MW)	Winter (MW)	Energy (GWh)	Reason For Failure
Residential	T SF CFL-13W	1.17	0.35	3.37	7.14	7.49	81.15	Payback<3-years
Residential	T MF CFL-13W	1.17	0.35	3.37	3.26	3.43	37.09	Payback<3-years
Residential	T MH CFL-13W	1.17	0.35	3.37	0.94	0.98	10.66	Payback<3-years
Residential	N SF CFL-13W	1.17	0.35	3.37	0.12	0.12	1.34	Payback<3-years
Residential	N MF CFL-13W	1.17	0.35	3.37	0.05	0.06	0.61	Payback<3-years
Residential	N MH CFL-13W	1.17	0.35	3.37	0.02	0.02	0.18	Payback<3-years
Residential	T SF LED - 9W Flood	1.34	0.37	3.63	18.94	19.88	215.27	Payback<3-years
Residential	T MF LED - 9W Flood	1.34	0.37	3.63	8.65	9.09	98.38	Payback<3-years
Residential	T MH LED - 9W Flood	1.34	0.37	3.63	2.49	2.61	28.26	Payback<3-years
Residential	N SF LED - 9W Flood	1.34	0.37	3.63	0.31	0.33	3.54	Payback<3-years
Residential	N MF LED - 9W Flood	1.34	0.37	3.63	0.14	0.15	1.62	Payback<3-years
Residential	N MH LED - 9W Flood	1.34	0.37	3.63	0.04	0.04	0.47	Payback<3-years
Residential	T SF LED Specialty Lamps-5W Chandelier	1.43	0.37	3.86	0.73	0.77	8.29	Payback<3-years
Residential	T MF LED Specialty Lamps-5W Chandelier	1.43	0.37	3.86	0.33	0.35	3.79	Payback<3-years
Residential	T MH LED Specialty Lamps-5W Chandelier	1.43	0.37	3.86	0.10	0.10	1.08	Payback<3-years
Residential	N SF LED Specialty Lamps-5W Chandelier	1.43	0.37	3.86	0.01	0.01	0.14	Payback<3-years
Residential	N MF LED Specialty Lamps-5W Chandelier	1.43	0.37	3.86	0.01	0.01	0.06	Payback<3-years
Residential	N MH LED Specialty Lamps-5W Chandelier	1.43	0.37	3.86	0.00	0.00	0.02	Payback<3-years
Residential	T SF Two Speed Pool Pump	1.40	0.47	2.99	9.28	10.46	62.08	Payback<3-years
Residential	T MF Two Speed Pool Pump	1.40	0.47	2.99	0.00	0.00	0.00	Payback<3-years
Residential	T MH Two Speed Pool Pump	1.40	0.47	2.99	0.00	0.00	0.00	Payback<3-years
Residential	N SF Two Speed Pool Pump	1.40	0.47	2.99	0.15	0.17	1.02	Payback<3-years
Residential	N MF Two Speed Pool Pump	1.40	0.47	2.99	0.00	0.00	0.00	Payback<3-years
Residential	N MH Two Speed Pool Pump	1.40	0.47	2.99	0.00	0.00	0.00	Payback<3-years
Residential	T SF Variable Speed Pool Pump	1.40	0.47	2.99	0.00	0.00	0.00	Payback<3-years
Residential	T MF Variable Speed Pool Pump	1.40	0.47	2.99	0.00	0.00	0.00	Payback<3-years
Residential	T MH Variable Speed Pool Pump	1.40	0.47	2.99	0.00	0.00	0.00	Payback<3-years
Residential	N SF Variable Speed Pool Pump	1.40	0.47	2.99	0.00	0.00	0.00	Payback<3-years
Residential	N MF Variable Speed Pool Pump	1.40	0.47	2.99	0.00	0.00	0.00	Payback<3-years
Residential	N MH Variable Speed Pool Pump	1.40	0.47	2.99	0.00	0.00	0.00	Payback<3-years
Residential	E SF Thermostatic Shower Restriction Valve	1.59	0.50	3.17	0.13	0.28	1.47	Payback<3-years
Residential	N SF Thermostatic Shower Restriction Valve	1.59	0.50	3.17	0.01	0.03	0.14	Payback<3-years
Residential	E SF Ceiling Insulation(R2 to R38)	7.31	1.27	5.73	185.73	80.92	282.19	Payback<3-years
Residential	N SF Ceiling Insulation(R2 to R38)	7.31	1.27	5.73	0.00	0.00	0.00	Payback<3-years
Residential	E SF Duct Repair	3.64	1.13	3.22	57.94	25.11	91.58	Payback<3-years
Residential	E MH Duct Repair	3.56	1.13	3.15	59.04	11.15	62.39	Payback<3-years
Commercial	T AS Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	T CU Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	T GR Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	T HC Efficient Exhaust Hood	3.36	0.75	4.49	0.02	0.01	0.07	Payback<3-years
Commercial	T HS Efficient Exhaust Hood	3.36	0.75	4.49	0.05	0.02	0.24	Payback<3-years
Commercial	T IN Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	T LG Efficient Exhaust Hood	3.36	0.75	4.49	0.20	0.08	0.90	Payback<3-years
Commercial	T MS Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	T OF Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	T RS Efficient Exhaust Hood	3.36	0.75	4.49	0.97	0.38	4.42	Payback<3-years
Commercial	T RT Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	T SC Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.02	Payback<3-years
Commercial	T WR Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	N AS Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	N CU Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	N GR Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	N HC Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	N HS Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	N IN Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	N LG Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.02	Payback<3-years
Commercial	N MS Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	N OF Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	N RS Efficient Exhaust Hood	3.36	0.75	4.49	0.02	0.01	0.08	Payback<3-years
Commercial	N RT Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	N SC Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	N WR Efficient Exhaust Hood	3.36	0.75	4.49	0.00	0.00	0.00	Payback<3-years
Commercial	T AS Heat Pump Water Heater	2.14	0.58	3.68	0.04	0.03	0.24	Payback<3-years
Commercial	N AS Heat Pump Water Heater	2.14	0.58	3.68	0.00	0.00	0.00	Payback<3-years
Commercial	T HC High Efficiency Chiller (Air Cooled, 50 tons)	4.78	0.89	5.39	0.00	0.00	0.00	Payback<3-years
Commercial	T HS High Efficiency Chiller (Air Cooled, 50 tons)	4.53	0.89	5.11	1.49	0.07	5.46	Payback<3-years
Commercial	N HC High Efficiency Chiller (Air Cooled, 50 tons)	4.78	0.89	5.39	0.00	0.00	0.00	Payback<3-years
Commercial	N HS High Efficiency Chiller (Air Cooled, 50 tons)	4.53	0.89	5.11	0.03	0.00	0.10	Payback<3-years
Commercial	T SC High Bay Fluorescent (T5)	3.58	0.68	5.28	0.00	0.00	0.00	Payback<3-years
Commercial	N SC High Bay Fluorescent (T5)	3.58	0.68	5.28	0.00	0.00	0.00	Payback<3-years
Commercial	T AS High Bay LED	2.93	0.68	4.33	2.33	2.29	12.60	Payback<3-years
Commercial	T IN High Bay LED	3.37	0.68	4.96	0.00	0.00	0.00	Payback<3-years
Commercial	T LG High Bay LED	3.83	0.68	5.65	0.00	0.00	0.00	Payback<3-years
Commercial	T OF High Bay LED	3.32	0.68	4.89	0.00	0.00	0.00	Payback<3-years

Commercial	T RS High Bay LED	3.42	0.68	5.05	0.00	0.00	0.00	Payback<3-years
Commercial	T WR High Bay LED	3.90	0.68	5.75	10.53	10.33	56.92	Payback<3-years
Commercial	N AS High Bay LED	2.93	0.68	4.33	0.00	0.00	0.00	Payback<3-years
Commercial	N IN High Bay LED	3.37	0.68	4.96	0.00	0.00	0.00	Payback<3-years
Commercial	N LG High Bay LED	3.83	0.68	5.65	0.00	0.00	0.00	Payback<3-years
Commercial	N OF High Bay LED	3.32	0.68	4.89	0.00	0.00	0.00	Payback<3-years
Commercial	N RS High Bay LED	3.42	0.68	5.05	0.00	0.00	0.00	Payback<3-years
Commercial	N WR High Bay LED	3.90	0.68	5.75	0.00	0.00	0.00	Payback<3-years
Commercial	T HS Premium T8 - Fixture Replacement	1.01	0.43	2.33	0.18	0.17	1.70	Payback<3-years
Commercial	N HS Premium T8 - Fixture Replacement	1.01	0.43	2.33	0.00	0.00	0.00	Payback<3-years
Commercial	T AS Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	T CU Energy Star Commercial Solid Door Refrigerator	2.59	0.54	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	T GR Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	11.40	5.10	76.35	Payback<3-years
Commercial	T HC Energy Star Commercial Solid Door Refrigerator	2.59	0.54	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	T HS Energy Star Commercial Solid Door Refrigerator	2.59	0.54	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	T IN Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	T LG Energy Star Commercial Solid Door Refrigerator	2.59	0.54	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	T MS Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	T OF Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	T RS Energy Star Commercial Solid Door Refrigerator	2.59	0.54	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	T RT Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.48	0.22	3.23	Payback<3-years
Commercial	T SC Energy Star Commercial Solid Door Refrigerator	2.59	0.54	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	T WR Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	N AS Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	N CU Energy Star Commercial Solid Door Refrigerator	2.59	0.54	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	N GR Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.21	0.09	1.38	Payback<3-years
Commercial	N HC Energy Star Commercial Solid Door Refrigerator	2.59	0.54	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	N HS Energy Star Commercial Solid Door Refrigerator	2.59	0.54	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	N IN Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	N LG Energy Star Commercial Solid Door Refrigerator	2.59	0.54	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	N MS Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	N OF Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	N RS Energy Star Commercial Solid Door Refrigerator	2.59	0.54	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	N RT Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.01	0.00	0.06	Payback<3-years
Commercial	N SC Energy Star Commercial Solid Door Refrigerator	2.59	0.54	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	N WR Energy Star Commercial Solid Door Refrigerator	2.78	0.58	4.78	0.00	0.00	0.00	Payback<3-years
Commercial	E AS Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	1.55	0.07	14.19	Payback<3-years
Commercial	E CU Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.01	0.00	0.07	Payback<3-years
Commercial	E GR Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.00	0.00	0.00	Payback<3-years
Commercial	E HC Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.00	0.00	0.00	Payback<3-years
Commercial	E HS Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	1.23	0.06	11.27	Payback<3-years
Commercial	E IN Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.97	0.04	8.92	Payback<3-years
Commercial	E LG Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.71	0.03	6.48	Payback<3-years
Commercial	E MS Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	1.08	0.05	9.90	Payback<3-years
Commercial	E OF Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	2.37	0.11	21.70	Payback<3-years
Commercial	E RS Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.17	0.01	1.58	Payback<3-years
Commercial	E RT Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.00	0.00	0.00	Payback<3-years
Commercial	E SC Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.49	0.02	4.44	Payback<3-years
Commercial	E WR Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.00	0.00	0.00	Payback<3-years
Commercial	N AS Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.03	0.00	0.24	Payback<3-years
Commercial	N CU Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.00	0.00	0.00	Payback<3-years
Commercial	N GR Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.00	0.00	0.00	Payback<3-years
Commercial	N HC Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.00	0.00	0.00	Payback<3-years
Commercial	N HS Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.00	0.00	0.01	Payback<3-years
Commercial	N IN Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.02	0.00	0.16	Payback<3-years
Commercial	N LG Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.00	0.00	0.02	Payback<3-years
Commercial	N MS Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.02	0.00	0.18	Payback<3-years
Commercial	N OF Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.02	0.00	0.20	Payback<3-years
Commercial	N RS Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.00	0.00	0.02	Payback<3-years
Commercial	N RT Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.00	0.00	0.00	Payback<3-years
Commercial	N SC Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.01	0.00	0.08	Payback<3-years
Commercial	N WR Chilled Water System - Variable Speed Drives	2.43	0.52	4.69	0.00	0.00	0.00	Payback<3-years
Commercial	E CU Duct Sealing Repair	7.49	1.64	4.57	0.00	0.00	0.00	Payback<3-years
Commercial	E RT Duct Sealing Repair	9.12	1.64	5.56	3.91	0.34	20.34	Payback<3-years
Commercial	E SC Duct Sealing Repair	7.49	1.64	4.57	0.00	0.00	0.00	Payback<3-years
Commercial	N CU Duct Sealing Repair	7.49	1.64	4.57	0.00	0.00	0.00	Payback<3-years
Commercial	N RT Duct Sealing Repair	9.12	1.64	5.56	0.00	0.00	0.00	Payback<3-years
Commercial	N SC Duct Sealing Repair	7.49	1.64	4.57	0.00	0.00	0.00	Payback<3-years
Commercial	E RT ECM Motors on Furnaces	2.45	0.48	5.06	0.00	0.00	0.00	Payback<3-years
Commercial	E SC ECM Motors on Furnaces	1.23	0.26	4.66	0.00	0.00	0.00	Payback<3-years
Commercial	N RT ECM Motors on Furnaces	2.45	0.48	5.06	0.00	0.00	0.00	Payback<3-years
Commercial	N SC ECM Motors on Furnaces	1.23	0.26	4.66	0.00	0.00	0.00	Payback<3-years
Commercial	E HC Facility Energy Management System	4.14	0.73	5.67	0.07	0.00	0.34	Payback<3-years
Commercial	E HS Facility Energy Management System	3.41	0.60	5.67	0.66	0.21	4.46	Payback<3-years
Commercial	E MS Facility Energy Management System	3.18	0.73	4.36	2.91	0.20	13.96	Payback<3-years
Commercial	E OF Facility Energy Management System	4.27	0.73	5.85	1.41	0.08	6.96	Payback<3-years
Commercial	N HC Facility Energy Management System	4.14	0.73	5.67	0.01	0.00	0.05	Payback<3-years
Commercial	N HS Facility Energy Management System	3.41	0.60	5.67	0.01	0.00	0.06	Payback<3-years
Commercial	N MS Facility Energy Management System	3.18	0.73	4.36	0.05	0.00	0.25	Payback<3-years
Commercial	N OF Facility Energy Management System	4.27	0.73	5.85	0.02	0.00	0.08	Payback<3-years

Commercial	E LG HVAC tune-up	1.99	0.95	2.09	0.00	0.00	0.00	Payback<3-years
Commercial	E RS HVAC tune-up	1.95	0.95	2.05	0.01	0.00	0.01	Payback<3-years
Commercial	E RT HVAC tune-up	1.53	0.95	1.60	0.00	0.00	0.00	Payback<3-years
Commercial	N LG HVAC tune-up	1.99	0.95	2.09	0.00	0.00	0.00	Payback<3-years
Commercial	N RS HVAC tune-up	1.95	0.95	2.05	0.00	0.00	0.00	Payback<3-years
Commercial	N RT HVAC tune-up	1.53	0.95	1.60	0.00	0.00	0.00	Payback<3-years
Commercial	E HC HVAC tune-up RTU	1.72	0.84	2.06	3.30	0.00	8.33	Payback<3-years
Commercial	E HS HVAC tune-up RTU	1.63	0.84	1.95	1.29	0.00	3.27	Payback<3-years
Commercial	E LG HVAC tune-up RTU	1.31	0.84	1.56	1.59	0.00	4.03	Payback<3-years
Commercial	E RS HVAC tune-up RTU	1.28	0.84	1.54	5.31	0.00	13.41	Payback<3-years
Commercial	N HC HVAC tune-up RTU	1.72	0.84	2.06	0.06	0.00	0.16	Payback<3-years
Commercial	N HS HVAC tune-up RTU	1.63	0.84	1.95	0.02	0.00	0.06	Payback<3-years
Commercial	N LG HVAC tune-up RTU	1.31	0.84	1.56	0.03	0.00	0.08	Payback<3-years
Commercial	N RS HVAC tune-up RTU	1.28	0.84	1.54	0.09	0.00	0.23	Payback<3-years
Commercial	E RS Programmable Thermostat	4.20	0.99	4.25	1.92	0.00	5.58	Payback<3-years
Commercial	N RS Programmable Thermostat	4.20	0.99	4.25	0.03	0.00	0.10	Payback<3-years
Commercial	E HC Smart Thermostat	1.13	0.30	3.72	0.08	-0.01	7.17	Payback<3-years
Commercial	E HS Smart Thermostat	1.73	0.44	3.92	0.65	0.00	7.78	Payback<3-years
Commercial	E IN Smart Thermostat	1.31	0.30	4.30	0.05	-0.01	4.20	Payback<3-years
Commercial	E OF Smart Thermostat	1.22	0.30	4.00	0.22	-0.30	20.22	Payback<3-years
Commercial	N HC Smart Thermostat	1.13	0.30	3.72	0.00	0.00	0.15	Payback<3-years
Commercial	N HS Smart Thermostat	1.73	0.44	3.92	0.01	0.00	0.14	Payback<3-years
Commercial	N IN Smart Thermostat	1.31	0.30	4.30	0.00	0.00	0.08	Payback<3-years
Commercial	N OF Smart Thermostat	1.22	0.30	4.00	0.00	-0.01	0.41	Payback<3-years
Commercial	E LG Demand Controlled Ventilation	5.03	1.25	4.01	1.18	6.62	11.29	Payback<3-years
Commercial	E MS Demand Controlled Ventilation	4.56	1.25	3.64	0.08	0.46	0.79	Payback<3-years
Commercial	E OF Demand Controlled Ventilation	4.78	1.25	3.81	1.78	10.01	17.07	Payback<3-years
Commercial	N LG Demand Controlled Ventilation	5.03	1.25	4.01	0.02	0.12	0.20	Payback<3-years
Commercial	N MS Demand Controlled Ventilation	4.56	1.25	3.64	0.00	0.01	0.01	Payback<3-years
Commercial	N OF Demand Controlled Ventilation	4.78	1.25	3.81	0.02	0.14	0.23	Payback<3-years
Commercial	E CU Retro-Commissioning	1.82	0.85	2.15	0.58	0.01	1.46	Payback<3-years
Commercial	E SC Retro-Commissioning	1.99	0.93	2.15	0.65	1.39	4.13	Payback<3-years
Commercial	N CU Retro-Commissioning	1.82	0.85	2.15	0.00	0.00	0.00	Payback<3-years
Commercial	N SC Retro-Commissioning	1.99	0.93	2.15	0.00	0.00	0.00	Payback<3-years
Industrial	AA Fan Equipment Upgrades	2.94	0.57	5.12	0.25	0.24	1.82	Payback<3-years
Industrial	AA Efficient Lighting - High Bay	2.84	0.58	4.86	1.85	1.79	12.94	Payback<3-years
Industrial	AA Compressed Air Controls	2.25	0.56	4.02	0.36	0.35	2.69	Payback<3-years
Industrial	AA Compressed Air Equipment	2.76	0.57	4.81	0.62	0.61	4.62	Payback<3-years
Industrial	CP Process Heat Equipment Upgrade	1.79	0.53	3.40	0.57	0.56	4.16	Payback<3-years
Industrial	CP Pump Equipment Upgrade	2.80	0.57	4.88	0.83	0.81	6.16	Payback<3-years
Industrial	CP Motor Equipment Upgrades	1.91	0.52	3.68	0.32	0.32	2.41	Payback<3-years
Industrial	CP Fan Equipment Upgrades	2.80	0.57	4.88	0.12	0.12	0.89	Payback<3-years
Industrial	CP Efficient Lighting - High Bay	2.84	0.58	4.86	0.59	0.57	4.14	Payback<3-years
Industrial	CS Process Refrig Equipment Upgrade	2.01	0.53	3.81	0.08	0.07	0.55	Payback<3-years
Industrial	CS Efficient Lighting - High Bay	2.84	0.58	4.86	0.14	0.13	0.96	Payback<3-years
Industrial	CS HVAC Recommissioning	1.82	0.53	3.41	0.10	0.10	0.70	Payback<3-years
Industrial	EE Efficient Lighting - High Bay	2.84	0.58	4.86	0.19	0.19	1.34	Payback<3-years
Industrial	LP Process Refrig Equipment Upgrade	1.73	0.53	3.29	0.01	0.01	0.10	Payback<3-years
Industrial	LP Pump System Optimization	1.62	0.52	3.12	0.83	0.81	6.20	Payback<3-years
Industrial	LP Fan Equipment Upgrades	2.74	0.57	4.78	0.47	0.46	3.52	Payback<3-years
Industrial	LP Efficient Lighting - High Bay	2.84	0.58	4.86	0.35	0.34	2.46	Payback<3-years
Industrial	MM Process Refrig Equipment Upgrade	2.12	0.53	4.03	0.02	0.02	0.16	Payback<3-years
Industrial	MM Efficient Lighting - High Bay	2.84	0.58	4.86	0.39	0.38	2.73	Payback<3-years
Industrial	MS Process Refrig Equipment Upgrade	1.75	0.53	3.33	0.01	0.01	0.08	Payback<3-years
Industrial	MS Motor Equipment Upgrades	1.89	0.52	3.62	0.03	0.03	0.23	Payback<3-years
Industrial	MS Efficient Lighting - High Bay	2.84	0.58	4.86	0.47	0.46	3.29	Payback<3-years
Industrial	PR Efficient Lighting - High Bay	2.84	0.58	4.86	0.66	0.64	4.62	Payback<3-years
Industrial	PR HVAC Equipment Upgrades	3.21	0.61	5.29	0.09	0.09	0.66	Payback<3-years
Industrial	ST Process Heat Equipment Upgrade	1.79	0.53	3.40	1.77	1.73	12.89	Payback<3-years
Industrial	ST Process Refrig Equipment Upgrade	1.61	0.53	3.06	0.03	0.03	0.22	Payback<3-years
Industrial	ST Efficient Lighting - High Bay	2.84	0.58	4.86	0.17	0.16	1.17	Payback<3-years
Industrial	ST Compressed Air Equipment	2.87	0.57	5.00	0.08	0.08	0.60	Payback<3-years
Industrial	TX Efficient Lighting - High Bay	2.84	0.58	4.86	0.01	0.01	0.05	Payback<3-years
Industrial	TX Building Envelope Improvements	2.32	0.59	3.93	0.00	0.00	0.01	Payback<3-years
Industrial	TR Pump Equipment Upgrade	2.50	0.57	4.36	0.05	0.05	0.39	Payback<3-years
Industrial	TR Fan Equipment Upgrades	2.50	0.57	4.36	0.03	0.03	0.24	Payback<3-years
Industrial	TR Efficient Lighting - High Bay	2.84	0.58	4.86	0.17	0.16	1.17	Payback<3-years
Industrial	TR HVAC Recommissioning	1.81	0.53	3.39	0.18	0.17	1.23	Payback<3-years
Industrial	WW Process Refrig Equipment Upgrade	2.01	0.53	3.81	0.00	0.00	0.01	Payback<3-years
Industrial	WW Efficient Lighting - High Bay	2.84	0.58	4.86	0.00	0.00	0.01	Payback<3-years
Industrial	WW HVAC Recommissioning	1.82	0.53	3.41	0.00	0.00	0.01	Payback<3-years