

Respectfully submitted,

/s/ Roger W. Steiner

Robert J. Hack MBN 36496
Roger W. Steiner MBN 39586
Kansas City Power & Light Company
1200 Main Street, 16th Floor
Kansas City, MO 64105
(816) 556-2785 (Phone)
(816) 556-2787 (Fax)
rob.hack@kcpl.com
roger.steiner@kcpl.com

James M. Fischer MBN 27543
Fischer & Dority, P.C.
101 Madison Street, Suite 400
Jefferson City, MO 65101
(573) 636-6758 (Phone)
(573) 636-0383 (Fax)
jfischerpc@aol.com

**Attorneys for Kansas City Power & Light
Company and KCP&L Greater Missouri
Operations Company**

CERTIFICATE OF SERVICE

I do hereby certify that a true and correct copy of the foregoing document has been hand delivered, emailed or mailed, postage prepaid, this 26th day of March, 2018, to all counsel of record.

/s/ Roger W. Steiner

Roger W. Steiner

KCP&L MEEIA Cycle 2 (2016-2018)

Updated: 4/1/2018

Program Design Incentive Ranges

The table below shows updated incentive ranges for each measure and program for Cycle 2.
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Program	Measure	Unit	Primary Key	Low	High
Home Lighting Rebate	Screw In - LEDs	per unit	2.1	\$ 0.50	\$ 15.00
Home Lighting Rebate	Screw In - Specialty LEDs	per unit	244	\$ 0.50	\$ 15.00
Whole House Efficiency	Air Sealing	per sq. ft.	14.1	\$ 0.04	\$ 0.12
Whole House Efficiency	Increased Ceiling Insulation	per sq. ft.	15.1	\$ 0.15	\$ 0.76
Whole House Efficiency	Increased Wall Insulation	per sq. ft.	16.1	\$ 0.30	\$ 1.15
Whole House Efficiency	ENERGY STAR Windows	per sq. ft.	17	\$ 0.13	\$ 0.71
Whole House Efficiency	Heat Pump Water Heater	per unit	18.1	\$ 250.00	\$ 700.00
Whole House Efficiency	Efficient ECM Fan	per unit	19.1	\$ 75.00	\$ 350.00
Whole House Efficiency	Heat Pump Ductless Mini Split	per unit	20.1	\$ 110.00	\$ 720.00
Whole House Efficiency	Air Conditioner SEER 15	per unit	21.1	\$ 30.00	\$ 180.00
Whole House Efficiency	Air Conditioner SEER 15, Early Retirement	per unit	22.1	\$ 90.00	\$ 600.00
Whole House Efficiency	Air Conditioner SEER 16	per unit	24.1	\$ 40.00	\$ 280.00
Whole House Efficiency	Air Conditioner SEER 16, Early Retirement	per unit	25.1	\$ 105.00	\$ 700.00
Whole House Efficiency	Air Conditioner SEER 17	per unit	27.1	\$ 50.00	\$ 350.00
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	per unit	28.1	\$ 150.00	\$ 700.00
Whole House Efficiency	Heat Pump SEER 15	per unit	30.1	\$ 75.00	\$ 150.00
Whole House Efficiency	Heat Pump SEER 15, Early Retirement	per unit	31.1	\$ 120.00	\$ 800.00
Whole House Efficiency	Heat Pump SEER 15, Replace Electric Resistance Heat	per unit	33.1	\$ 100.00	\$ 2,000.00
Whole House Efficiency	Heat Pump SEER 15, Replace Electric Resistance Heat - Early	per unit	314	\$ 100.00	\$ 2,000.00
Whole House Efficiency	Heat Pump SEER 16	per unit	34.1	\$ 150.00	\$ 300.00
Whole House Efficiency	Heat Pump SEER 16, Early Retirement	per unit	35.1	\$ 140.00	\$ 950.00
Whole House Efficiency	Heat Pump SEER 16, Replace Electric Resistance Heat	per unit	37.1	\$ 150.00	\$ 2,000.00
Whole House Efficiency	Heat Pump SEER 16, Replace Electric Resistance Heat - Early	per unit	316	\$ 200.00	\$ 2,000.00
Whole House Efficiency	Heat Pump SEER 17	per unit	38.1	\$ 150.00	\$ 460.00
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	per unit	39.1	\$ 200.00	\$ 1,000.00
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	per unit	41.1	\$ 150.00	\$ 2,000.00
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early	per unit	318	\$ 200.00	\$ 2,000.00
Programmable Thermostat	DR Thermostat annual participation incentive	Per T-stat	65	\$ 10.00	\$ 50.00
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls	per unit	67.1	\$ 14.00	\$ 70.00
Small Business Direct Install	LED Exit Sign	per unit	68.1	\$ 5.00	\$ 18.00
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	per unit	69.1	\$ 44.00	\$ 165.00
Small Business Direct Install	Directional LED Lamp replacing 71-110W Lamp	per unit	70.1	\$ 2.00	\$ 30.00
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system	per unit	72.1	\$ 6.00	\$ 23.00
BEER - Standard	Heat Pump Water Heater	per unit	74	\$ 250.00	\$ 800.00
BEER - Standard	Low Flow Faucet Aerator Kitchen	per unit	251	\$ 1.25	\$ 8.00
BEER - Standard	Low Flow Faucet Aerator Bathroom	per unit	252	\$ 1.25	\$ 8.00
BEER - Standard	Pipe Wrap/Insulation	per unit	76	\$ 7.50	\$ 50.00
BEER - Standard	Pre-Rinse Spray Valves Small	per unit	253	\$ 20.00	\$ 75.00
BEER - Standard	Pre-Rinse Spray Valves Medium	per unit	254	\$ 20.00	\$ 75.00
BEER - Standard	Pre-Rinse Spray Valves Large	per unit	255	\$ 20.00	\$ 75.00
BEER - Standard	High Efficiency Pool Pump	per unit	78	\$ 55.00	\$ 205.00
BEER - Standard	Pool Pump VSD	per unit	79	\$ 116.00	\$ 434.00
BEER - Standard	ENERGY STAR Beverage Machine without software	per unit	256	\$ 40.00	\$ 140.00
BEER - Standard	ENERGY STAR Beverage Machine with software	per unit	257	\$ 40.00	\$ 140.00
BEER - Standard	High Efficiency Reach-In Refrigerator	per unit	258	\$ 16.00	\$ 160.00
BEER - Standard	High Efficiency Reach-In Freezer	per unit	259	\$ 20.00	\$ 160.00
BEER - Standard	Strip Curtains Freezer	per unit	260	\$ 30.00	\$ 280.00

KCP&L MEEIA Cycle 2 (2016-2018)

Updated: 4/1/2018

Program Design Incentive Ranges

The table below shows updated incentive ranges for each measure and program for Cycle 2.
--

Program	Measure	Unit	Primary Key	Low	High
BEER - Standard	Strip Curtains Cooler	per unit	261	\$ 27.00	\$ 280.00
BEER - Standard	LED Refrigerator Case Light	per unit	84.1	\$ 20.00	\$ 130.00
BEER - Standard	ECM Motors Walk-In Coolers & Freezers	per unit	85	\$ 15.00	\$ 50.00
BEER - Standard	High Efficiency PTAC/PTHP	per ton	86	\$ 2.50	\$ 12.00
BEER - Standard	Programmable Thermostat Controls	per ton	87	\$ 1.00	\$ 6.00
BEER - Standard	Air Source Heat Pump <65 kBtuh	per ton	88	\$ 30.00	\$ 120.00
BEER - Standard	Air Source Heat Pump 65<135 kBtuh	per ton	89	\$ 30.00	\$ 100.00
BEER - Standard	Air Sourced Air Conditioner <65 kBtuh	per ton	90	\$ 25.00	\$ 100.00
BEER - Standard	Air Sourced Air Conditioner 65<135 kBtuh	per ton	91	\$ 25.00	\$ 80.00
BEER - Standard	Air Sourced Air Conditioner 135<240 kBtuh	per ton	92	\$ 25.00	\$ 100.00
BEER - Standard	Air Sourced Air Conditioner >240 kBtuh	per ton	93	\$ 25.00	\$ 100.00
BEER - Standard	Interior Directional LED Lamp replacing 50-70W Lamp	per unit	96.2	\$ 1.00	\$ 40.00
BEER - Standard	Interior Directional LED Lamp replacing 71-110W Lamp	per unit	97.2	\$ 2.00	\$ 50.00
BEER - Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	per unit	98.1	\$ 60.00	\$ 225.00
BEER - Standard	High Bay Fluorescent Fixture (HP T8 ≤4ft)	per unit	99	\$ 40.00	\$ 200.00
BEER - Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	per unit	100.1	\$ 40.00	\$ 100.00
BEER - Standard	High-Bay Fluorescent Fixture T5 ≤ 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	per unit	101.1	\$ 20.00	\$ 100.00
BEER - Standard	LED Exit Sign	per unit	102.1	\$ 6.00	\$ 30.00
BEER - Standard	LED Flood Light (<15W)	per unit	103	\$ 7.50	\$ 35.00
BEER - Standard	LED Flood Light (≥15W)	per unit	104	\$ 7.50	\$ 45.00
BEER - Standard	LED Recessed Fixture (1ft x 4ft)	per unit	106	\$ 7.50	\$ 36.00
BEER - Standard	LED Recessed Fixture (2ft x 2ft)	per unit	107	\$ 5.00	\$ 20.00
BEER - Standard	LED Recessed Fixture (2ft x 4ft)	per unit	108	\$ 10.00	\$ 60.00
BEER - Standard	Remove 4ft Lamp from T8 or T12 system	per unit	109.1	\$ 5.00	\$ 12.00
BEER - Standard	Remove 8ft Lamp from T8 or T12 System	per unit	110.1	\$ 5.00	\$ 16.00
BEER - Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	per unit	112.2	\$ 1.00	\$ 30.00
BEER - Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	per unit	113.2	\$ 1.00	\$ 40.00
BEER - Standard	Interior Daylighting Controls Replacing No Controls	per unit	114.1	\$ 18.00	\$ 70.00
BEER - Standard	Occupancy or Vacancy Sensor Replacing No Controls	per unit	115.1	\$ 10.00	\$ 40.00
BEER - Standard	High Volume Low Speed Fans (20ft Diameter)	per unit	116	\$ 500.00	\$ 1,500.00
BEER - Standard	High Volume Low Speed Fans (22ft Diameter)	per unit	117	\$ 500.00	\$ 1,500.00
BEER - Standard	High Volume Low Speed Fans (24ft Diameter)	per unit	118	\$ 500.00	\$ 1,500.00
BEER - Standard	Compressed Air - Engineered Nozzle 1/4"	per unit	119	\$ 10.00	\$ 30.00
BEER - Standard	Compressed Air - Engineered Nozzle 1/8"	per unit	120	\$ 10.00	\$ 30.00
BEER - Standard	Compressed Air - No Loss Condensate Drain/Valve	per unit	121.1	\$ 100.00	\$ 300.00
BEER - Standard	Variable Speed Drive Compressor - 1 shift weekdays	per unit	122	\$ 30.00	\$ 90.00
BEER - Standard	Variable Speed Drive Compressor - 2 shift weekdays	per unit	123	\$ 30.00	\$ 90.00
BEER - Standard	Variable Speed Drive Compressor - 3 shift weekdays	per unit	124	\$ 30.00	\$ 90.00
BEER - Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends	per unit	125	\$ 30.00	\$ 90.00
BEER - Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy	per unit	137	\$ 75.00	\$ 225.00
BEER - Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy	per unit	138	\$ 113.00	\$ 338.00
BEER - Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation	per unit	139	\$ 50.00	\$ 150.00
BEER - Standard	Variable Speed ECM Pump, 100 – 500 Watts Max Input, Domestic Hot	per unit	140	\$ 100.00	\$ 300.00

KCP&L MEEIA Cycle 2 (2016-2018)

Updated: 4/1/2018

Program Design Incentive Ranges

The table below shows updated incentive ranges for each measure and program for Cycle 2.
--

Program	Measure	Unit	Primary Key	Low	High
BEER - Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation	per unit	142	\$ 50.00	\$ 150.00
BEER - Standard	Variable Speed ECM Pump, 100 – 500 Watts Max Input, Heating Water Circulation	per unit	143	\$ 100.00	\$ 300.00
BEER - Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation	per unit	144	\$ 200.00	\$ 600.00
BEER - Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture	per unit	146.1	\$ 33.00	\$ 98.00
BEER - Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W	per unit	147.1	\$ 25.00	\$ 75.00
BEER - Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing ≤ 100W Fixture	per unit	148.1	\$ 18.00	\$ 53.00
BEER - Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	per unit	149.1	\$ 100.00	\$ 375.00
BEER - Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base	per unit	150.1	\$ 40.00	\$ 188.00
BEER - Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base	per unit	151.1	\$ 20.00	\$ 113.00
BEER - Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	per unit	152.1	\$ 20.00	\$ 75.00
BEER - Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base	per unit	153.1	\$ 30.00	\$ 180.00
BEER - Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	per unit	154.1	\$ 16.00	\$ 150.00
BEER - Standard	Parking Garage LED replacing ≤ 100W Fixture or Mogul Screw-Base	per unit	155.1	\$ 10.00	\$ 90.00
BEER - Standard	LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	per unit	166.1	\$ 2.00	\$ 8.00
BEER - Standard	LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	per unit	167.1	\$ 1.00	\$ 6.00
BEER - Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	per unit	168.1	\$ 11.00	\$ 53.00
BEER - Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	per unit	169.1	\$ 13.00	\$ 60.00
BEER - Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	per unit	170.1	\$ 12.00	\$ 53.00
BEER - Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	per unit	171.1	\$ 10.00	\$ 60.00
BEER - Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	per unit	172.1	\$ 13.00	\$ 68.00
BEER - Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	per unit	173.1	\$ 12.00	\$ 60.00
BEER - Standard	LED Refrigerated Case Lights w/Doors 4ft, 5ft, or 6ft replacing Fluorescent Refrigerated Case Lights w/Doors 4ft, 5ft, or 6ft	per unit	174.1	\$ 25.00	\$ 75.00
BEER - Standard	LED Freezer Case Lights w/Doors 4ft, 5ft, or 6ft replacing Fluorescent Freezer Case Lights w/Doors 4ft, 5ft, or 6ft	per unit	175.1	\$ 30.00	\$ 90.00
BEER - Standard	LED Downlight or Retrofit Kit replacing 45-60W Fixture	per unit	176.1	\$ 4.00	\$ 23.00
BEER - Standard	LED Downlight or Retrofit Kit replacing 61-100W Fixture	per unit	177.1	\$ 6.00	\$ 45.00
BEER - Standard	LED Downlight or Retrofit Kit replacing 101-155W Fixture	per unit	178.1	\$ 10.00	\$ 75.00
Small Business Direct Install	Directional LED Lamp replacing 50-70W Lamp	per unit	179.1	\$ 1.00	\$ 18.00
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	per unit	181.1	\$ 56.00	\$ 210.00
Small Business Direct Install	High-Bay Fluorescent Fixture T5 ≤ 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	per unit	183.1	\$ 34.00	\$ 128.00
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System	per unit	186.1	\$ 12.00	\$ 45.00
Small Business Direct Install	Omnidirectional LED Lamp replacing 40-60W Lamp	per unit	187.1	\$ 1.00	\$ 12.00
Small Business Direct Install	Omnidirectional LED Lamp replacing 61-100W Lamp	per unit	188.1	\$ 1.00	\$ 20.00
Small Business Direct Install	Occupancy or Vacancy Sensor Replacing No Controls	per unit	190.1	\$ 8.00	\$ 40.00
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture	per unit	191.1	\$ 38.00	\$ 136.00
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture	per unit	192.1	\$ 28.00	\$ 105.00
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing ≤100W fixture	per unit	193.1	\$ 20.00	\$ 74.00
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	per unit	194.1	\$ 100.00	\$ 600.00
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base	per unit	195.1	\$ 40.00	\$ 263.00
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base	per unit	196.1	\$ 20.00	\$ 135.00
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	per unit	197.1	\$ 10.00	\$ 113.00

KCP&L MEEIA Cycle 2 (2016-2018)

Updated: 4/1/2018

Program Design Incentive Ranges

The table below shows updated incentive ranges for each measure and program for Cycle 2.

Program	Measure	Unit	Primary Key	Low	High
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base	per unit	198.1	\$ 30.00	\$ 210.00
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	per unit	199.1	\$ 16.00	\$ 240.00
Small Business Direct Install	Parking Garage LED replacing ≤ 100W Fixture or Mogul Screw-Base	per unit	200.1	\$ 10.00	\$ 150.00
Small Business Direct Install	LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	per unit	201.1	\$ 2.00	\$ 11.00
Small Business Direct Install	LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	per unit	202.1	\$ 1.00	\$ 8.00
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	per unit	203.1	\$ 11.00	\$ 53.00
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	per unit	204.1	\$ 13.00	\$ 60.00
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	per unit	205.1	\$ 12.00	\$ 53.00
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	per unit	206.1	\$ 10.00	\$ 60.00
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	per unit	207.1	\$ 13.00	\$ 68.00
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	per unit	208.1	\$ 12.00	\$ 60.00
Small Business Direct Install	LED Refrigerated Case Lights w/Doors 4ft, 5ft, or 6ft replacing Fluorescent Refrigerated Case Lights w/Doors 4ft, 5ft, or 6ft	per unit	209.1	\$ 20.00	\$ 75.00
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft, 5ft, or 6ft replacing Fluorescent Freezer Case Lights w/Doors 4ft, 5ft, or 6ft	per unit	210.1	\$ 32.00	\$ 120.00
Small Business Direct Install	LED Downlight or Retrofit Kit replacing 45-60W Fixture	per unit	211.1	\$ 4.00	\$ 35.00
Small Business Direct Install	LED Downlight or Retrofit Kit replacing 61-100W Fixture	per unit	212.1	\$ 6.00	\$ 68.00
Small Business Direct Install	LED Downlight or Retrofit Kit replacing 101-155W Fixture	per unit	213.1	\$ 10.00	\$ 105.00
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture	per unit	214.1	\$ 14.00	\$ 233.00
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture	per unit	215.1	\$ 21.00	\$ 263.00
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture	per unit	216.1	\$ 34.00	\$ 413.00
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture	per unit	217.1	\$ 68.00	\$ 725.00
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp	per unit	218	\$ 0.50	\$ 1.00
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp	per unit	219	\$ 1.00	\$ 2.50
BEER - Standard	LED Low Bay Fixture replacing 150W-300W fixture	per unit	220.1	\$ 14.00	\$ 229.00
BEER - Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	per unit	221.2	\$ 21.00	\$ 248.00
BEER - Standard	LED High Bay Fixture replacing 451W - 750W fixture	per unit	222.1	\$ 34.00	\$ 323.00
BEER - Standard	LED High Bay fixture replacing > 750W fixture	per unit	223.1	\$ 68.00	\$ 544.00
BEER - Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	per unit	224.1	\$ 0.25	\$ 1.00
BEER - Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	per unit	225.1	\$ 1.00	\$ 2.50
BEER - Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	per unit	226	\$ 14.00	\$ 75.00
BEER - Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	per unit	227	\$ 21.00	\$ 113.00
BEER - Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	per unit	228	\$ 34.00	\$ 150.00
BEER - Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W	per unit	229	\$ 68.00	\$ 263.00
BEER - Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp	per unit	313	\$ 4.00	\$ 16.00
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	per unit	230	\$ 14.00	\$ 77.00
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	per unit	231	\$ 21.00	\$ 120.00
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	per unit	232	\$ 34.00	\$ 192.00
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W	per unit	233	\$ 68.00	\$ 366.00
Whole House Efficiency	HVAC Maintenance and Tune-up (comprised of * measures below)	per unit			
Whole House Efficiency	*Indoor Coil Cleaning_SF:HVAC	n/a	262		

KCP&L MEEIA Cycle 2 (2016-2018)

Updated: 4/1/2018

Program Design Incentive Ranges

The table below shows updated incentive ranges for each measure and program for Cycle 2.

Program	Measure	Unit	Primary Key	Low	High
Whole House Efficiency	*Indoor Coil Cleaning_SF:ASHP	n/a	263	\$ 50.00	\$ 100.00
Whole House Efficiency	*Outdoor Coil Cleaning_SF:HVAC	n/a	264		
Whole House Efficiency	*Outdoor Coil Cleaning_SF:ASHP	n/a	265		
Whole House Efficiency	*Refrigerant Charge Adjustment (RCA)_SF: HVAC	n/a	266		
Whole House Efficiency	*Refrigerant Charge Adjustment (RCA)_SF: ASHP	n/a	267		
Whole House Efficiency	*HVAC Maintenance and Tune-up_SF: HVAC	n/a	238		
Whole House Efficiency	GSHP - EER 23_ER_SF: HVAC	per unit	239.1	\$ 500.00	\$ 3,000.00
Whole House Efficiency	GSHP - EER 23_Replace on Fail_SF: HVAC	per unit	240.1	\$ 500.00	\$ 3,000.00
Whole House Efficiency	GSHP - EER 14 + ER Elec Resist Furnace_SF: HVAC	per unit	241.1	\$ 500.00	\$ 3,000.00
Whole House Efficiency	GSHP - EER 14 + Replace Elec Resistance Furnace_SF: HVAC	per unit	242.1	\$ 500.00	\$ 3,000.00
Whole House Efficiency	GSHP - EER 14 + ER ASHP with GSHP ER or Replac on Fail_SF: HVAC	per unit	243.1	\$ 500.00	\$ 3,000.00
Income-Eligible Multi-Family	Custom Rebates	per kWh	0.02	\$ 0.08	\$ 0.42
BEER - Custom	C&I Custom	per unit	0.06	\$ 0.06	\$ 0.40
Strategic Energy	Strategic Energy Management	per unit	0.08	\$ 0.01	\$ 0.02
Block Bidding	Block Bidding	per Bid	0.07	Incentive costs vary based on project	
Demand Response Incentive	Curtable Rate	per kW	0.09	\$ 25.00	\$ 75.00

KCP&L Technical Resource Manual

<i>Measure Description</i>					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)	1	All	Lighting	
Home Lighting Rebate	Screw In - LEDs	2	All	Lighting	
Home Lighting Rebate	Screw In - LEDs	2.1	All	Lighting	
Home Lighting Rebate	Screw In - Specialty LEDs	244	All	Lighting	
Home Appliance Recycling Rebate	Dehumidifier Recycle	3	All	Appliances	
Home Appliance Recycling Rebate	Freezer - Recycle	4	All	Appliances	
Home Appliance Recycling Rebate	Refrigerator - Recycle	5	All	Appliances	
Home Appliance Recycling Rebate	Room A/C Recycle	6	All	Appliances	
Whole House Efficiency	Screw In - CFLs	7	Single Family	Lighting	Tier 1
Whole House Efficiency	Screw In - LEDs	8	Single Family	Lighting	Tier 1
Whole House Efficiency	Screw In - LEDs	8.1	Single Family	Lighting	Tier 1
Whole House Efficiency	Screw In - LEDs	8.2	Single Family	Lighting	Tier 1
Whole House Efficiency	Low Flow Faucet Aerator	9	Single Family	Hot Water	Tier 1
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	245	Single Family	Hot Water	Tier 1
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	246	Single Family	Hot Water	Tier 1
Whole House Efficiency	Pipe Insulated	10	Single Family	Hot Water	Tier 1
Whole House Efficiency	Pipe Insulated	10.1	Single Family	Hot Water	Tier 1
Whole House Efficiency	Low Flow Showerhead	11	Single Family	Hot Water	Tier 1
Whole House Efficiency	Low Flow Showerhead	11.1	Single Family	Hot Water	Tier 1
Whole House Efficiency	Water Heater Tank Wrap	12	Single Family	Hot Water	Tier 1
Whole House Efficiency	Smart Power Strip	13	Single Family	Electronics	Tier 1
Whole House Efficiency	Smart Power Strip	13.1	Single Family	Electronics	Tier 1
Whole House Efficiency	Air Sealing	14	Single Family	HVAC - Shell	Tier 2
Whole House Efficiency	Air Sealing	14.1	Single Family	HVAC - Shell	Tier 2
Whole House Efficiency	Increased Ceiling Insulation	15	Single Family	HVAC - Shell	Tier 2
Whole House Efficiency	Increased Ceiling Insulation	15.1	Single Family	HVAC - Shell	Tier 2
Whole House Efficiency	Increased Wall Insulation	16	Single Family	HVAC - Shell	Tier 2
Whole House Efficiency	Increased Wall Insulation	16.1	Single Family	HVAC - Shell	Tier 2
Whole House Efficiency	ENERGY STAR Windows	17	Single Family	HVAC - Shell	Tier 2
Whole House Efficiency	Heat Pump Water Heater	18	Single Family	Hot Water	Tier 3

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<i>Measure Description</i>					
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)	per lamp	\$1.70	28.2901	
Home Lighting Rebate	Screw In - LEDs	per lamp	\$15.00	30.9532	
Home Lighting Rebate	Screw In - LEDs	per lamp	\$3.93	28.2745	IL TRM v5
Home Lighting Rebate	Screw In - Specialty LEDs	per lamp	\$7.39	29.0294	IL TRM v5
Home Appliance Recycling Rebate	Dehumidifier Recycle	per unit	\$49.00	139.0000	
Home Appliance Recycling Rebate	Freezer - Recycle	per unit	\$93.00	1,201.0000	
Home Appliance Recycling Rebate	Refrigerator - Recycle	per unit	\$93.00	1,190.0000	
Home Appliance Recycling Rebate	Room A/C Recycle	per unit	\$49.00	121.0000	
Whole House Efficiency	Screw In - CFLs	per lamp	\$1.70	28.2901	
Whole House Efficiency	Screw In - LEDs	per lamp	\$15.00	30.9532	
Whole House Efficiency	Screw In - LEDs	per lamp	\$15.00	33.1677	
Whole House Efficiency	Screw In - LEDs	per lamp	\$3.93	28.2745	IL TRM v5
Whole House Efficiency	Low Flow Faucet Aerator	per unit	\$2.80	65.4500	
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	per unit	\$8.00	25.1533	IL TRM v5
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	per unit	\$8.00	203.3524	IL TRM v5
Whole House Efficiency	Pipe Insulated	per unit	\$9.00	74.0357	
Whole House Efficiency	Pipe Insulated	per unit	\$18.00	72.0650	IL TRM v5,
Whole House Efficiency	Low Flow Showerhead	per unit	\$15.00	272.9500	
Whole House Efficiency	Low Flow Showerhead	per unit	\$12.00	327.9599	IL TRM v5
Whole House Efficiency	Water Heater Tank Wrap	per unit	\$18.00	131.2958	
Whole House Efficiency	Smart Power Strip	per unit	\$15.00	73.7300	
Whole House Efficiency	Smart Power Strip	per unit	\$16.00	103.0000	IL TRM v5
Whole House Efficiency	Air Sealing	per sq ft (floor area)	\$0.12	0.2300	
Whole House Efficiency	Air Sealing	per sq ft (floor area)	\$0.12	0.4337	IL TRM v5, PY2016
Whole House Efficiency	Increased Ceiling Insulation	per sq ft (ceiling area)	\$0.76	0.5200	
Whole House Efficiency	Increased Ceiling Insulation	per sq ft (ceiling area)	\$0.76	0.4028	IL TRM v5, PY2016
Whole House Efficiency	Increased Wall Insulation	per sq ft (wall area)	\$1.32	0.7200	
Whole House Efficiency	Increased Wall Insulation	per sq ft (wall area)	\$1.32	0.8476	IL TRM v5, PY2016
Whole House Efficiency	ENERGY STAR Windows	per sq ft (window area)	\$1.50	2.0500	
Whole House Efficiency	Heat Pump Water Heater	per unit	\$1,000.00	1,766.0000	

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Measure Description		Gross Measure Values			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)	0.030	9.5%		0.0029
Home Lighting Rebate	Screw In - LEDs	0.033	9.5%		0.0031
Home Lighting Rebate	Screw In - LEDs	0.034	8.0%	IL TRM v5	0.0028
Home Lighting Rebate	Screw In - Specialty LEDs	0.035	8.0%	IL TRM v5	0.0029
Home Appliance Recycling Rebate	Dehumidifier Recycle				0.0350
Home Appliance Recycling Rebate	Freezer - Recycle				0.1910
Home Appliance Recycling Rebate	Refrigerator - Recycle				0.1900
Home Appliance Recycling Rebate	Room A/C Recycle				0.1140
Whole House Efficiency	Screw In - CFLs	0.030	10%		0.0029
Whole House Efficiency	Screw In - LEDs	0.033	10%		0.0031
Whole House Efficiency	Screw In - LEDs	0.035	10%		0.0034
Whole House Efficiency	Screw In - LEDs	0.034	8.0%	IL TRM v5	0.0028
Whole House Efficiency	Low Flow Faucet Aerator		2%		0.0101
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	1.7967	2.2%	IL TRM v5	0.0395
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	2.1633	2.2%	IL TRM v5	0.0476
Whole House Efficiency	Pipe Insulated	0.008			0.0085
Whole House Efficiency	Pipe Insulated	0.0082			0.0082
Whole House Efficiency	Low Flow Showerhead		3%		0.0244
Whole House Efficiency	Low Flow Showerhead	1.0860	3%	IL TRM v5	0.0302
Whole House Efficiency	Water Heater Tank Wrap	0.015			0.0150
Whole House Efficiency	Smart Power Strip		80%		0.0052
Whole House Efficiency	Smart Power Strip	0.0144	80%	IL TRM v5	0.0116
Whole House Efficiency	Air Sealing				0.00005602
Whole House Efficiency	Air Sealing	0.0004	72%	IL TRM v5	0.00006149
Whole House Efficiency	Increased Ceiling Insulation				0.0003
Whole House Efficiency	Increased Ceiling Insulation	0.0004	70%	IL TRM v5	0.00003554
Whole House Efficiency	Increased Wall Insulation				0.0004
Whole House Efficiency	Increased Wall Insulation	0.0009	70%	IL TRM v5	0.00007478
Whole House Efficiency	ENERGY STAR Windows				0.0008
Whole House Efficiency	Heat Pump Water Heater	0.697	12%		0.0837

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Measure Description					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)		938		5
Home Lighting Rebate	Screw In - LEDs		938		20
Home Lighting Rebate	Screw In - LEDs	IL TRM v5	840	IL TRM v5	10
Home Lighting Rebate	Screw In - Specialty LEDs	IL TRM v5	840	IL TRM v5	10
Home Appliance Recycling Rebate	Dehumidifier Recycle				4
Home Appliance Recycling Rebate	Freezer - Recycle				8
Home Appliance Recycling Rebate	Refrigerator - Recycle				8
Home Appliance Recycling Rebate	Room A/C Recycle				4
Whole House Efficiency	Screw In - CFLs		938		5
Whole House Efficiency	Screw In - LEDs		938		20
Whole House Efficiency	Screw In - LEDs		938		20
Whole House Efficiency	Screw In - LEDs	IL TRM v5	840	IL TRM v5	10
Whole House Efficiency	Low Flow Faucet Aerator				9
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	IL TRM v5	14	IL TRM v5	9
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	IL TRM v5	94	IL TRM v5	9
Whole House Efficiency	Pipe Insulated		8,760		15
Whole House Efficiency	Pipe Insulated	IL TRM v5		IL TRM v5	15
Whole House Efficiency	Low Flow Showerhead				10
Whole House Efficiency	Low Flow Showerhead	IL TRM v5	302	IL TRM v5	10
Whole House Efficiency	Water Heater Tank Wrap		8,760		5
Whole House Efficiency	Smart Power Strip				5
Whole House Efficiency	Smart Power Strip	IL TRM v5	7,129	IL TRM v5	5
Whole House Efficiency	Air Sealing				15
Whole House Efficiency	Air Sealing	IL TRM v5, PY2016 a	982	EFLHcool, from P	15
Whole House Efficiency	Increased Ceiling Insulation				25
Whole House Efficiency	Increased Ceiling Insulation	IL TRM v5, PY2016 a	982	EFLHcool, from P	25
Whole House Efficiency	Increased Wall Insulation				25
Whole House Efficiency	Increased Wall Insulation	IL TRM v5, PY2016 a	982	EFLHcool, from P	25
Whole House Efficiency	ENERGY STAR Windows				25
Whole House Efficiency	Heat Pump Water Heater		2,533		13

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Measure Description		Efficiency Values		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)	CFL (watts)	14	
Home Lighting Rebate	Screw In - LEDs	LED (watts)	11.3	
Home Lighting Rebate	Screw In - LEDs	Screw In - LEDs	9.3	Program Tracking Data
Home Lighting Rebate	Screw In - Specialty LEDs	Screw In - Specialty LEDs	8.4	Program Tracking Data
Home Appliance Recycling Rebate	Dehumidifier Recycle	Unit removed		
Home Appliance Recycling Rebate	Freezer - Recycle	Unit removed		
Home Appliance Recycling Rebate	Refrigerator - Recycle	Unit removed		
Home Appliance Recycling Rebate	Room A/C Recycle	Unit removed		
Whole House Efficiency	Screw In - CFLs	CFL (watts)	14	
Whole House Efficiency	Screw In - LEDs	LED (watts)	11.3	
Whole House Efficiency	Screw In - LEDs	LED (watts)	9.0	
Whole House Efficiency	Screw In - LEDs	Screw In - LEDs	9.3	Program Tracking Data
Whole House Efficiency	Low Flow Faucet Aerator	Low Flow (GPM)	0.94	
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	Low Flow (GPM)	1.5	Program Tracking Data
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	Low Flow (GPM)	1.5	Program Tracking Data
Whole House Efficiency	Pipe Insulated	5 linear feet of insulation		
Whole House Efficiency	Pipe Insulated	Efficient R-Value due to added insulation	6	IL TRM v5
Whole House Efficiency	Low Flow Showerhead	Low Flow (GPM)	2.5	
Whole House Efficiency	Low Flow Showerhead	Low Flow (GPM)	1.5	EEP from ICF
Whole House Efficiency	Water Heater Tank Wrap	Water Heater Blanket/Tank Wrap		
Whole House Efficiency	Smart Power Strip	Smart strip		
Whole House Efficiency	Smart Power Strip	Smart strip		
Whole House Efficiency	Air Sealing	Efficient ACH	3.00	
Whole House Efficiency	Air Sealing	Efficient CFM	3083.59	PY2016 average
Whole House Efficiency	Increased Ceiling Insulation	Final R-value	38	
Whole House Efficiency	Increased Ceiling Insulation	Final R-value	41.031646	PY2016 average
Whole House Efficiency	Increased Wall Insulation	Final R-value	5	
Whole House Efficiency	Increased Wall Insulation	Final R-value	17.234848	PY2016 average
Whole House Efficiency	ENERGY STAR Windows	Efficient U-factor	0.30	
Whole House Efficiency	Heat Pump Water Heater	Efficient EF	2.00	

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)	EISA tier 1 compliant Halogen (watts)	43	
Home Lighting Rebate	Screw In - LEDs	EISA tier 1 compliant Halogen (watts)	43	
Home Lighting Rebate	Screw In - LEDs	43 watts based on halogen equivalent to a	43	
Home Lighting Rebate	Screw In - Specialty LEDs	43 watts based on halogen equivalent to a	43	
Home Appliance Recycling Rebate	Dehumidifier Recycle	Unit operational		
Home Appliance Recycling Rebate	Freezer - Recycle	Unit operational		
Home Appliance Recycling Rebate	Refrigerator - Recycle	Unit operational		
Home Appliance Recycling Rebate	Room A/C Recycle	Unit operational		
Whole House Efficiency	Screw In - CFLs	EISA tier 1 compliant Halogen (watts)	43	
Whole House Efficiency	Screw In - LEDs	EISA tier 1 compliant Halogen (watts)	43	
Whole House Efficiency	Screw In - LEDs	EISA tier 1 compliant Halogen (watts)	43	
Whole House Efficiency	Screw In - LEDs	43 watts based on halogen equivalent to a	43	
Whole House Efficiency	Low Flow Faucet Aerator	Standard (GPM)	1.39	
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	Standard (GPM)	2.2	Federal Bas
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	Standard (GPM)	2.2	Federal Bas
Whole House Efficiency	Pipe Insulated	none		
Whole House Efficiency	Pipe Insulated	R-Value of bare pipe	1	IL TRM v5
Whole House Efficiency	Low Flow Showerhead	Standard (GPM)	4	
Whole House Efficiency	Low Flow Showerhead	Standard (GPM)	2.67	IL TRM v5
Whole House Efficiency	Water Heater Tank Wrap	No Blanket		
Whole House Efficiency	Smart Power Strip	Standard outlet strip		
Whole House Efficiency	Smart Power Strip	Standard outlet strip		
Whole House Efficiency	Air Sealing	Baseline ACH	6.00	
Whole House Efficiency	Air Sealing	Baseline CFM	4343.00	PY2016 ave
Whole House Efficiency	Increased Ceiling Insulation	Previous R-value	5	
Whole House Efficiency	Increased Ceiling Insulation	Previous R-value	17.282803	PY2016 ave
Whole House Efficiency	Increased Wall Insulation	Previous R-value	2	
Whole House Efficiency	Increased Wall Insulation	Previous R-value	6.8769231	PY2016 ave
Whole House Efficiency	ENERGY STAR Windows	Baseline U-factor	0.90	
Whole House Efficiency	Heat Pump Water Heater	Baseline EF	0.95	

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Measure Description		A
Program	Measure Name	Electric Energy Savings Algorithm
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)	=ROUND((W6-T6)/1000*P6*AE6,4)
Home Lighting Rebate	Screw In - LEDs	=ROUND((W7-T7)/1000*P7*AE7,4)
Home Lighting Rebate	Screw In - LEDs	=ROUND((\$W8-\$T8)/1000*\$P8*\$AE8*\$AK8,4)
Home Lighting Rebate	Screw In - Specialty LEDs	=ROUND((W9-T9)/1000*P9*AE9*AK9,4)
Home Appliance Recycling Rebate	Dehumidifier Recycle	=ROUND(139,4)
Home Appliance Recycling Rebate	Freezer - Recycle	=ROUND(1201,4)
Home Appliance Recycling Rebate	Refrigerator - Recycle	=ROUND(1190,4)
Home Appliance Recycling Rebate	Room A/C Recycle	=ROUND(121,4)
Whole House Efficiency	Screw In - CFLs	=ROUND((W14-T14)/1000*P14*AE14,4)
Whole House Efficiency	Screw In - LEDs	=ROUND((W15-T15)/1000*P15*AE15,4)
Whole House Efficiency	Screw In - LEDs	=ROUND((W16-T16)/1000*P16*AE16,4)
Whole House Efficiency	Screw In - LEDs	=ROUND((\$W17-\$T17)/1000*\$P17*\$AE17*\$AK17,4)
Whole House Efficiency	Low Flow Faucet Aerator	=ROUND((W18-T18)*AE18*(AH18*365.25)*AK18,4)
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	=ROUND(((W19-T19)*AH19*AK19*365.25)*AE19*AN19,4)
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	=ROUND(((W20-T20)*AH20*AK20*365.25)*AE20*AN20,4)
Whole House Efficiency	Pipe Insulated	=ROUND(74.0356963418427,4)
Whole House Efficiency	Pipe Insulated	=ROUND((((AE22*PI()*AK22)/W22) - ((AH22*PI()*AK22)/T22))*AN22)/AQ22/3412,
Whole House Efficiency	Low Flow Showerhead	=ROUND((W23-T23)*AE23*(AH23*365.25)*AK23,4)
Whole House Efficiency	Low Flow Showerhead	=ROUND(((W24-T24)*AH24*AK24*365.25)*AE24*AN24,4)
Whole House Efficiency	Water Heater Tank Wrap	=ROUND(131.295784945569,4)
Whole House Efficiency	Smart Power Strip	=ROUND(73.73,4)
Whole House Efficiency	Smart Power Strip	=ROUND(103,4)
Whole House Efficiency	Air Sealing	=ROUND((W28-T28)*(AC28*AE28 + AD28*AH28),4)
Whole House Efficiency	Air Sealing	29*((W29-T29)/AN29*AE29*AT29*AC29)/AK29)/AZ29+(((W29-T29)/AQ29*AE29*AD29)
Whole House Efficiency	Increased Ceiling Insulation	=ROUND((1/W30-1/T30)*(AC30*AE30 + AD30*AH30),4)
Whole House Efficiency	Increased Ceiling Insulation	1-1/T31)*(1-AN31)*24*AC31*AK31)/AH31)*AQ31)+(((1/W31-1/T31)*(1-AN31)*24*
Whole House Efficiency	Increased Wall Insulation	=ROUND((1/W32-1/T32)*(AC32*AE32 + AD32*AH32),4)
Whole House Efficiency	Increased Wall Insulation	3-1/T33)*(1-AN33)*24*AC33*AK33)/AH33)*AQ33)+(((1/W33-1/T33)*(1-AN33)*24*
Whole House Efficiency	ENERGY STAR Windows	=ROUND((W34-T34)*(AC34*AE34 + AD34*AH34),4)
Whole House Efficiency	Heat Pump Water Heater	=ROUND(((1/W35-1/T35)*AH35*AE35*365.25),4)

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)	=ROUND(K6*L6,4)
Home Lighting Rebate	Screw In - LEDs	=ROUND(K7*L7,4)
Home Lighting Rebate	Screw In - LEDs	=ROUND(((\$W8-\$T8)/1000*L8*\$AH8*\$AK8,4)
Home Lighting Rebate	Screw In - Specialty LEDs	=ROUND(((\$W9-\$T9)/1000*L9*\$AH9*\$AK9,4)
Home Appliance Recycling Rebate	Dehumidifier Recycle	=ROUND(0.035,4)
Home Appliance Recycling Rebate	Freezer - Recycle	=ROUND(0.191,4)
Home Appliance Recycling Rebate	Refrigerator - Recycle	=ROUND(0.19,4)
Home Appliance Recycling Rebate	Room A/C Recycle	=ROUND(0.114,4)
Whole House Efficiency	Screw In - CFLs	=ROUND(K14*L14,4)
Whole House Efficiency	Screw In - LEDs	=ROUND(K15*L15,4)
Whole House Efficiency	Screw In - LEDs	=ROUND(K16*L16,4)
Whole House Efficiency	Screw In - LEDs	=ROUND(((\$W17-\$T17)/1000*L17*\$AH17*\$AK17,4)
Whole House Efficiency	Low Flow Faucet Aerator	=ROUND(0.0100909858097883,4)
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	=ROUND((((W19-T19)*AH19*AK19*365.25)*AE19*AN19)/P19*L19,4)
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	=ROUND((((W20-T20)*AH20*AK20*365.25)*AE20*AN20)/P20*L20,4)
Whole House Efficiency	Pipe Insulated	=ROUND(0.00845156350934278,4)
Whole House Efficiency	Pipe Insulated	=ROUND(I22/8766,4)
Whole House Efficiency	Low Flow Showerhead	=ROUND(0.024398921338246,4)
Whole House Efficiency	Low Flow Showerhead	=ROUND((((W24-T24)*AH24*AK24*365.25)*AE24*AN24)/P24*L24,4)
Whole House Efficiency	Water Heater Tank Wrap	=ROUND(0.0149881033042887,4)
Whole House Efficiency	Smart Power Strip	=ROUND(0.00521,4)
Whole House Efficiency	Smart Power Strip	=ROUND(I27/P27*L27,4)
Whole House Efficiency	Air Sealing	=ROUND(0.000056024806985447,8)
Whole House Efficiency	Air Sealing	=ROUND((((AW29*((W29-T29)/AN29*AE29*AT29*AC29)/AK29)/AZ29)/P29)*L29,8)
Whole House Efficiency	Increased Ceiling Insulation	=ROUND(0.000288861699126931,4)
Whole House Efficiency	Increased Ceiling Insulation	=ROUND(((((((1/W31-1/T31)*(1-AN31)*24*AC31*AK31)/AH31)*AQ31)/P31)*L31,8)
Whole House Efficiency	Increased Wall Insulation	=ROUND(0.000402373334560975,4)
Whole House Efficiency	Increased Wall Insulation	=ROUND(((((((1/W33-1/T33)*(1-AN33)*24*AC33*AK33)/AH33)*AQ33)/P33)*L33,8)
Whole House Efficiency	ENERGY STAR Windows	=ROUND(0.000828,4)
Whole House Efficiency	Heat Pump Water Heater	=ROUND(K35*L35,4)

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[Link to CDD](#)

[Link to HDD](#)

Measure Description		Start/End Dates				
Program	Measure Name	Effective Start Date	Effective End Date	Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)	4/1/2016	3/31/2018			1.04
Home Lighting Rebate	Screw In - LEDs	4/1/2016	3/31/2018			1.04
Home Lighting Rebate	Screw In - LEDs	4/1/2018				1.06
Home Lighting Rebate	Screw In - Specialty LEDs	4/1/2018				1.06
Home Appliance Recycling Rebate	Dehumidifier Recycle	4/1/2016	4/1/2016			
Home Appliance Recycling Rebate	Freezer - Recycle	4/1/2016	4/1/2016			
Home Appliance Recycling Rebate	Refrigerator - Recycle	4/1/2016	4/1/2016			
Home Appliance Recycling Rebate	Room A/C Recycle	4/1/2016	4/1/2016			
Whole House Efficiency	Screw In - CFLs	4/1/2016	3/31/2018			1.04
Whole House Efficiency	Screw In - LEDs	4/1/2016	4/6/2017			1.04
Whole House Efficiency	Screw In - LEDs	4/7/2017	3/31/2018			1.04
Whole House Efficiency	Screw In - LEDs	4/1/2018				1.06
Whole House Efficiency	Low Flow Faucet Aerator	4/1/2016	3/31/2018			0.0919
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	4/1/2018				0.0795
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	4/1/2018				0.0969
Whole House Efficiency	Pipe Insulated	4/1/2016	3/31/2018			
Whole House Efficiency	Pipe Insulated	4/1/2018				0.0625
Whole House Efficiency	Low Flow Showerhead	4/1/2016	3/31/2018			0.0919
Whole House Efficiency	Low Flow Showerhead	4/1/2018				0.117
Whole House Efficiency	Water Heater Tank Wrap	4/1/2016				
Whole House Efficiency	Smart Power Strip	4/1/2016	3/31/2018			
Whole House Efficiency	Smart Power Strip	4/1/2018				
Whole House Efficiency	Air Sealing	4/1/2016	3/31/2018	1325	5249	0.00001
Whole House Efficiency	Air Sealing	4/1/2018		1445	5155	25.92000
Whole House Efficiency	Increased Ceiling Insulation	4/1/2016	3/31/2018	1325	5249	0.00046
Whole House Efficiency	Increased Ceiling Insulation	4/1/2018		1445	5155	6551.04
Whole House Efficiency	Increased Wall Insulation	4/1/2016	3/31/2018	1325	5249	0.00037
Whole House Efficiency	Increased Wall Insulation	4/1/2018		1445	5155	6551.04
Whole House Efficiency	ENERGY STAR Windows	4/1/2016		1325	5249	0.00052
Whole House Efficiency	Heat Pump Water Heater	4/1/2016	3/31/2018			50

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)	Waste Heat Factor		
Home Lighting Rebate	Screw In - LEDs	Waste Heat Factor		
Home Lighting Rebate	Screw In - LEDs	Waste Heat Factor, Energy	IL TRM v5	1.11
Home Lighting Rebate	Screw In - Specialty LEDs	Waste Heat Factor, Energy	IL TRM v5	1.11
Home Appliance Recycling Rebate	Dehumidifier Recycle			
Home Appliance Recycling Rebate	Freezer - Recycle			
Home Appliance Recycling Rebate	Refrigerator - Recycle			
Home Appliance Recycling Rebate	Room A/C Recycle			
Whole House Efficiency	Screw In - CFLs	Waste Heat Factor		
Whole House Efficiency	Screw In - LEDs	Waste Heat Factor		
Whole House Efficiency	Screw In - LEDs	Waste Heat Factor		
Whole House Efficiency	Screw In - LEDs	Waste Heat Factor, Energy	IL TRM v5	1.11
Whole House Efficiency	Low Flow Faucet Aerator	kWh per gallon hot water		3
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	kWh per gallon hot water, bath	IL TRM v5	0.508833922
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	kWh per gallon hot water, kitch	IL TRM v5	3.375
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Pipe Insulated	Dbase = Pipe Diameter (ft)	IL TRM v5	0.229166667
Whole House Efficiency	Low Flow Showerhead	kWh per gallon hot water		3.75
Whole House Efficiency	Low Flow Showerhead	kWh per gallon hot water	IL TRM v5	2.61
Whole House Efficiency	Water Heater Tank Wrap			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Air Sealing	Cooling Coefficient		0.00001
Whole House Efficiency	Air Sealing	Air Sealing Coefficient: 60 * 24	IL TRM v5	6551.04
Whole House Efficiency	Increased Ceiling Insulation	Cooling Coefficient		0.00046
Whole House Efficiency	Increased Ceiling Insulation	Heating Coefficient: COP * 3,412	IL TRM v5	13000
Whole House Efficiency	Increased Wall Insulation	Cooling Coefficient		0.00037
Whole House Efficiency	Increased Wall Insulation	Heating Coefficient: COP * 3,412	IL TRM v5	13000
Whole House Efficiency	ENERGY STAR Windows	Cooling Coefficient		0.00052
Whole House Efficiency	Heat Pump Water Heater	gallons used per day		0.175

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - LEDs	Waste Heat Factor, Demand	IL TRM v5	94.20%
Home Lighting Rebate	Screw In - Specialty LEDs	Waste Heat Factor, Demand	IL TRM v5	94.20%
Home Appliance Recycling Rebate	Dehumidifier Recycle			
Home Appliance Recycling Rebate	Freezer - Recycle			
Home Appliance Recycling Rebate	Refrigerator - Recycle			
Home Appliance Recycling Rebate	Room A/C Recycle			
Whole House Efficiency	Screw In - CFLs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs	Waste Heat Factor, Demand	IL TRM v5	94.20%
Whole House Efficiency	Low Flow Faucet Aerator	Minutes per person per day		1.44
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	Faucet Coefficient, Bathroom: Minutes	IL TRM v5	2.56
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	Faucet Coefficient, Kitchen	IL TRM v5	2.56
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Pipe Insulated	Dee = Updated Pipe Diameter, d	IL TRM v5	6
Whole House Efficiency	Low Flow Showerhead	Minutes per person per day		1.44
Whole House Efficiency	Low Flow Showerhead	Showerhead Coefficient: Minutes	IL TRM v5	2.56
Whole House Efficiency	Water Heater Tank Wrap			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Air Sealing	Heating Coefficient		
Whole House Efficiency	Air Sealing	Heating Coefficient: COP *	IL TRM v5	13000
Whole House Efficiency	Increased Ceiling Insulation	Heating Coefficient		
Whole House Efficiency	Increased Ceiling Insulation	Cooling Coefficient	IL TRM v5: SEER * 1,000. SEER	0.75
Whole House Efficiency	Increased Wall Insulation	Heating Coefficient		
Whole House Efficiency	Increased Wall Insulation	Cooling Coefficient	IL TRM v5: SEER * 1,000. SEER	0.75
Whole House Efficiency	ENERGY STAR Windows	Heating Coefficient		
Whole House Efficiency	Heat Pump Water Heater	Water Heating Coefficient		

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - LEDs	ISR	Navigant MEEIA Cycle 1 Research	
Home Lighting Rebate	Screw In - Specialty LEDs	ISR	Navigant MEEIA Cycle 1 Research	
Home Appliance Recycling Rebate	Dehumidifier Recycle			
Home Appliance Recycling Rebate	Freezer - Recycle			
Home Appliance Recycling Rebate	Refrigerator - Recycle			
Home Appliance Recycling Rebate	Room A/C Recycle			
Whole House Efficiency	Screw In - CFLs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs	ISR	Navigant MEEIA Cycle 1 Research	
Whole House Efficiency	Low Flow Faucet Aerator	Persons per household		
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	Persons per household	IL TRM v5	95%
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	Persons per household	IL TRM v5	95%
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Pipe Insulated	Length of added pipe insulation	Verified through EEP	525960
Whole House Efficiency	Low Flow Showerhead	Persons per household		
Whole House Efficiency	Low Flow Showerhead	Persons per household	IL TRM v5	98%
Whole House Efficiency	Water Heater Tank Wrap			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Air Sealing			
Whole House Efficiency	Air Sealing	Cooling Coefficient	IL TRM v5: SEER * 1,000.	35.8
Whole House Efficiency	Increased Ceiling Insulation			
Whole House Efficiency	Increased Ceiling Insulation	DUA: Discretionary Use Adjustment	IL TRM v5	7%
Whole House Efficiency	Increased Wall Insulation			
Whole House Efficiency	Increased Wall Insulation	DUA: Discretionary Use Adjustment	IL TRM v5	25%
Whole House Efficiency	ENERGY STAR Windows			
Whole House Efficiency	Heat Pump Water Heater			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - Specialty LEDs			
Home Appliance Recycling Rebate	Dehumidifier Recycle			
Home Appliance Recycling Rebate	Freezer - Recycle			
Home Appliance Recycling Rebate	Refrigerator - Recycle			
Home Appliance Recycling Rebate	Room A/C Recycle			
Whole House Efficiency	Screw In - CFLs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Low Flow Faucet Aerator			
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom	Installation Rate	IL TRM v5	
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen	Installation Rate	IL TRM v5	
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Pipe Insulated	Pipe Insulated Coefficient 1 = ΔT	IL TRM v5	98%
Whole House Efficiency	Low Flow Showerhead			
Whole House Efficiency	Low Flow Showerhead	Installation Rate	IL TRM v5	
Whole House Efficiency	Water Heater Tank Wrap			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Air Sealing			
Whole House Efficiency	Air Sealing	Ncool: Infiltration conversion fa	IL TRM v5	22.5
Whole House Efficiency	Increased Ceiling Insulation			
Whole House Efficiency	Increased Ceiling Insulation	Framing Factor, Ceiling	IL TRM v5	80%
Whole House Efficiency	Increased Wall Insulation			
Whole House Efficiency	Increased Wall Insulation	Framing Factor, Wall	IL TRM v5	80%
Whole House Efficiency	ENERGY STAR Windows			
Whole House Efficiency	Heat Pump Water Heater			

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Measure Description		Quantities		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - Specialty LEDs			
Home Appliance Recycling Rebate	Dehumidifier Recycle			
Home Appliance Recycling Rebate	Freezer - Recycle			
Home Appliance Recycling Rebate	Refrigerator - Recycle			
Home Appliance Recycling Rebate	Room A/C Recycle			
Whole House Efficiency	Screw In - CFLs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Low Flow Faucet Aerator			
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom			
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen			
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Pipe Insulated	Recovery efficiency of electric w	IL TRM v5	
Whole House Efficiency	Low Flow Showerhead			
Whole House Efficiency	Low Flow Showerhead			
Whole House Efficiency	Water Heater Tank Wrap			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Air Sealing			
Whole House Efficiency	Air Sealing	Nheat: Infiltration conversion fa	IL TRM v5	0.75
Whole House Efficiency	Increased Ceiling Insulation			
Whole House Efficiency	Increased Ceiling Insulation	ADJcool: adjustment for cooling	IL TRM v5	60%
Whole House Efficiency	Increased Wall Insulation			
Whole House Efficiency	Increased Wall Insulation	ADJcool: adjustment for cooling	IL TRM v5	60%
Whole House Efficiency	ENERGY STAR Windows			
Whole House Efficiency	Heat Pump Water Heater			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - Specialty LEDs			
Home Appliance Recycling Rebate	Dehumidifier Recycle			
Home Appliance Recycling Rebate	Freezer - Recycle			
Home Appliance Recycling Rebate	Refrigerator - Recycle			
Home Appliance Recycling Rebate	Room A/C Recycle			
Whole House Efficiency	Screw In - CFLs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Low Flow Faucet Aerator			
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom			
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen			
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Low Flow Showerhead			
Whole House Efficiency	Low Flow Showerhead			
Whole House Efficiency	Water Heater Tank Wrap			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Air Sealing			
Whole House Efficiency	Air Sealing	DUA: Discretionary Use Adjustment	IL TRM v5	3.6
Whole House Efficiency	Increased Ceiling Insulation			
Whole House Efficiency	Increased Ceiling Insulation	ADJheat: adjustment for wall area	IL TRM v5	
Whole House Efficiency	Increased Wall Insulation			
Whole House Efficiency	Increased Wall Insulation	ADJheat: adjustment for wall area	IL TRM v5	
Whole House Efficiency	ENERGY STAR Windows			
Whole House Efficiency	Heat Pump Water Heater			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - Specialty LEDs			
Home Appliance Recycling Rebate	Dehumidifier Recycle			
Home Appliance Recycling Rebate	Freezer - Recycle			
Home Appliance Recycling Rebate	Refrigerator - Recycle			
Home Appliance Recycling Rebate	Room A/C Recycle			
Whole House Efficiency	Screw In - CFLs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Low Flow Faucet Aerator			
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom			
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen			
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Low Flow Showerhead			
Whole House Efficiency	Low Flow Showerhead			
Whole House Efficiency	Water Heater Tank Wrap			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Air Sealing			
Whole House Efficiency	Air Sealing	LM: Latent Cooling Multiplier	IL TRM v5	3263
Whole House Efficiency	Increased Ceiling Insulation			
Whole House Efficiency	Increased Ceiling Insulation			
Whole House Efficiency	Increased Wall Insulation			
Whole House Efficiency	Increased Wall Insulation			
Whole House Efficiency	ENERGY STAR Windows			
Whole House Efficiency	Heat Pump Water Heater			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - Specialty LEDs			
Home Appliance Recycling Rebate	Dehumidifier Recycle			
Home Appliance Recycling Rebate	Freezer - Recycle			
Home Appliance Recycling Rebate	Refrigerator - Recycle			
Home Appliance Recycling Rebate	Room A/C Recycle			
Whole House Efficiency	Screw In - CFLs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Low Flow Faucet Aerator			
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom			
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen			
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Low Flow Showerhead			
Whole House Efficiency	Low Flow Showerhead			
Whole House Efficiency	Water Heater Tank Wrap			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Air Sealing			
Whole House Efficiency	Air Sealing	Square footage installed	PY2016 average	
Whole House Efficiency	Increased Ceiling Insulation			
Whole House Efficiency	Increased Ceiling Insulation			
Whole House Efficiency	Increased Wall Insulation			
Whole House Efficiency	Increased Wall Insulation			
Whole House Efficiency	ENERGY STAR Windows			
Whole House Efficiency	Heat Pump Water Heater			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - LEDs			
Home Lighting Rebate	Screw In - Specialty LEDs			
Home Appliance Recycling Rebate	Dehumidifier Recycle			
Home Appliance Recycling Rebate	Freezer - Recycle			
Home Appliance Recycling Rebate	Refrigerator - Recycle			
Home Appliance Recycling Rebate	Room A/C Recycle			
Whole House Efficiency	Screw In - CFLs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Screw In - LEDs			
Whole House Efficiency	Low Flow Faucet Aerator			
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom			
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen			
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Pipe Insulated			
Whole House Efficiency	Low Flow Showerhead			
Whole House Efficiency	Low Flow Showerhead			
Whole House Efficiency	Water Heater Tank Wrap			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Smart Power Strip			
Whole House Efficiency	Air Sealing			
Whole House Efficiency	Air Sealing			
Whole House Efficiency	Increased Ceiling Insulation			
Whole House Efficiency	Increased Ceiling Insulation			
Whole House Efficiency	Increased Wall Insulation			
Whole House Efficiency	Increased Wall Insulation			
Whole House Efficiency	ENERGY STAR Windows			
Whole House Efficiency	Heat Pump Water Heater			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Income-Eligible Multi-Family	Screw In - CFLs (Food Bank Distribution)		
Home Lighting Rebate	Screw In - LEDs		
Home Lighting Rebate	Screw In - LEDs		
Home Lighting Rebate	Screw In - Specialty LEDs		
Home Appliance Recycling Rebate	Dehumidifier Recycle		
Home Appliance Recycling Rebate	Freezer - Recycle		
Home Appliance Recycling Rebate	Refrigerator - Recycle		
Home Appliance Recycling Rebate	Room A/C Recycle		
Whole House Efficiency	Screw In - CFLs		
Whole House Efficiency	Screw In - LEDs		
Whole House Efficiency	Screw In - LEDs		
Whole House Efficiency	Screw In - LEDs		
Whole House Efficiency	Low Flow Faucet Aerator		
Whole House Efficiency	Low Flow Faucet Aerator-Bathroom		
Whole House Efficiency	Low Flow Faucet Aerator-Kitchen		
Whole House Efficiency	Pipe Insulated		
Whole House Efficiency	Pipe Insulated		
Whole House Efficiency	Low Flow Showerhead		
Whole House Efficiency	Low Flow Showerhead		
Whole House Efficiency	Water Heater Tank Wrap		
Whole House Efficiency	Smart Power Strip		
Whole House Efficiency	Smart Power Strip		
Whole House Efficiency	Air Sealing		
Whole House Efficiency	Air Sealing		
Whole House Efficiency	Increased Ceiling Insulation		
Whole House Efficiency	Increased Ceiling Insulation		
Whole House Efficiency	Increased Wall Insulation		
Whole House Efficiency	Increased Wall Insulation		
Whole House Efficiency	ENERGY STAR Windows		
Whole House Efficiency	Heat Pump Water Heater		

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<i>Measure Description</i>					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Whole House Efficiency	Heat Pump Water Heater	18.1	Single Family	Hot Water	Tier 3
Whole House Efficiency	Efficient ECM Fan	19	Single Family	HVAC	Tier 3
Whole House Efficiency	Efficient ECM Fan	19.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump Ductless Mini Split	20	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump Ductless Mini Split	20.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 15	21	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 15	21.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	22	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	22.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	23	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	23.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 16	24	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 16	24.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	25	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	25.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	26	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	26.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 17	27	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 17	27.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	28	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	28.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	29	Single Family	HVAC	Tier 3
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	29.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 15	30	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 15	30.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	31	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	31.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	32	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	32.1	Single Family	HVAC	Tier 3

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<i>Measure Description</i>					
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source
Whole House Efficiency	Heat Pump Water Heater	per unit	\$1,000.00	1,484.4151	IL TRM v5
Whole House Efficiency	Efficient ECM Fan	per unit	\$353.76	608.1000	
Whole House Efficiency	Efficient ECM Fan	per unit	\$97.00	710.0000	-IL TRM v5:If no AC
Whole House Efficiency	Heat Pump Ductless Mini Split	per unit	\$715.90	1,314.5143	
Whole House Efficiency	Heat Pump Ductless Mini Split	per unit	\$3,787.97	2,329.3857	IL TRM v5
Whole House Efficiency	Air Conditioner SEER 15	per ton	\$184.25	149.5400	
Whole House Efficiency	Air Conditioner SEER 15	per ton	\$741.46	127.0965	IL TRM v5
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	per ton	\$607.09	486.0050	
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	per ton	\$854.22	937.4621	IL TRM v5
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	per ton	\$422.84	149.5400	
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	per ton	\$854.22	128.6398	IL TRM v5
Whole House Efficiency	Air Conditioner SEER 16	per ton	\$276.38	210.2906	
Whole House Efficiency	Air Conditioner SEER 16	per ton	\$1,166.17	192.2797	IL TRM v5
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	per ton	\$699.22	546.7556	
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	per ton	\$1,265.44	1,002.3982	IL TRM v5
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	per ton	\$422.84	210.2906	
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	per ton	\$1,265.44	193.5759	IL TRM v5
Whole House Efficiency	Air Conditioner SEER 17	per ton	\$368.51	263.8941	
Whole House Efficiency	Air Conditioner SEER 17	per ton	\$368.51	213.2851	IL TRM v5
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	per ton	\$791.34	600.3591	
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	per ton	\$791.34	1,022.1074	IL TRM v5
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	per ton	\$422.84	263.8941	
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	per ton	\$422.84	213.2851	IL TRM v5
Whole House Efficiency	Heat Pump SEER 15	per ton	\$152.30	173.1924	
Whole House Efficiency	Heat Pump SEER 15	per ton	\$424.70	146.0447	IL TRM v5
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	per ton	\$796.86	2,220.0717	
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	per ton	\$979.04	2,078.4959	IL TRM v5
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	per ton	\$644.56	173.1924	
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	per ton	\$644.56	183.2908	IL TRM v5

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Measure Description		Gross Measure Values			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Whole House Efficiency	Heat Pump Water Heater	0.5860	12%	IL TRM v5	0.0703
Whole House Efficiency	Efficient ECM Fan		68%		0.3403
Whole House Efficiency	Efficient ECM Fan	0.7230	68%	IL TRM v5	0.1669
Whole House Efficiency	Heat Pump Ductless Mini Split				0.8170
Whole House Efficiency	Heat Pump Ductless Mini Split	2.3721	43%	IL TRM v5	0.1999
Whole House Efficiency	Air Conditioner SEER 15		68%		0.0890
Whole House Efficiency	Air Conditioner SEER 15	0.1294	68%	IL TRM v5	0.0685
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement		68%		0.2342
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	0.9546	68%	IL TRM v5	0.7005
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)		68%		0.0890
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	0.1310	68%	IL TRM v5	0.0693
Whole House Efficiency	Air Conditioner SEER 16		68%		0.0890
Whole House Efficiency	Air Conditioner SEER 16	0.1958	68%	IL TRM v5	0.1026
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement		68%		0.2342
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	1.0208	68%	IL TRM v5	0.7344
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)		68%		0.0890
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	0.1971	68%	IL TRM v5	0.1032
Whole House Efficiency	Air Conditioner SEER 17		68%		0.1141
Whole House Efficiency	Air Conditioner SEER 17	0.2172	68%	IL TRM v5	0.1132
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement		68%		0.2593
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	1.0408	68%	IL TRM v5	0.7444
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)		68%		0.1141
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	0.2172	68%	IL TRM v5	0.1132
Whole House Efficiency	Heat Pump SEER 15		72%		0.0542
Whole House Efficiency	Heat Pump SEER 15	0.1487	72%	IL TRM v5	0.0410
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement		72%		0.8911
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	2.1166	72%	IL TRM v5	0.5979
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)		72%		0.0542
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	0.1867	72%	IL TRM v5	0.3203

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<i>Measure Description</i>					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Whole House Efficiency	Heat Pump Water Heater	IL TRM v5	2,533	IL TRM v5	13
Whole House Efficiency	Efficient ECM Fan				10
Whole House Efficiency	Efficient ECM Fan		982	EFLHcool, from P	10
Whole House Efficiency	Heat Pump Ductless Mini Split				18
Whole House Efficiency	Heat Pump Ductless Mini Split		982	EFLHcool, from P	18
Whole House Efficiency	Air Conditioner SEER 15				18
Whole House Efficiency	Air Conditioner SEER 15		982	EFLHcool, from P	18
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement				6
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement		982	EFLHcool, from P	6
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)				12
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	IL TRM V5	982	EFLHcool, from P	12
Whole House Efficiency	Air Conditioner SEER 16				18
Whole House Efficiency	Air Conditioner SEER 16		982	EFLHcool, from P	18
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement				6
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement		982	EFLHcool, from P	6
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)				12
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	IL TRM V5	982	EFLHcool, from P	12
Whole House Efficiency	Air Conditioner SEER 17				18
Whole House Efficiency	Air Conditioner SEER 17		982	EFLHcool, from P	18
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement				6
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement		982	EFLHcool, from P	6
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)				12
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	IL TRM V5	982	EFLHcool, from P	12
Whole House Efficiency	Heat Pump SEER 15				18
Whole House Efficiency	Heat Pump SEER 15		982	EFLHcool, from P	18
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement				6
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement		982	EFLHcool, from P	6
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)				12
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	IL TRM V5	982	EFLHcool, from	12

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<i>Measure Description</i>		<i>Efficiency Values</i>		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Whole House Efficiency	Heat Pump Water Heater	Efficient EF	2.00	KCP&L Meta Data And
Whole House Efficiency	Efficient ECM Fan	ECM Fan		
Whole House Efficiency	Efficient ECM Fan	ECM Fan		
Whole House Efficiency	Heat Pump Ductless Mini Split	HP Ductless Mini Split		
Whole House Efficiency	Heat Pump Ductless Mini Split	SEER	22.94	PY2016 Metadata
Whole House Efficiency	Air Conditioner SEER 15	SEER	15	
Whole House Efficiency	Air Conditioner SEER 15	SEER	15.12	per PY2016 Metadata
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	SEER	15	
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	SEER	15.15	per PY2016 Metadata
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	SEER	15	
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	SEER	15.15	per PY2016 Metadata
Whole House Efficiency	Air Conditioner SEER 16	SEER	16	
Whole House Efficiency	Air Conditioner SEER 16	SEER	16.5	per PY2016 Metadata
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	SEER	16	
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	SEER	16.53	per PY2016 Metadata
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	SEER	16	
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	SEER	16.53	per PY2016 Metadata
Whole House Efficiency	Air Conditioner SEER 17	SEER	17	
Whole House Efficiency	Air Conditioner SEER 17	SEER	17	No PY2016 participan
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	SEER	17	
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	SEER	17	No PY2016 participan
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	SEER	17	
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	SEER	17	No PY2016 participan
Whole House Efficiency	Heat Pump SEER 15	SEER	15	
Whole House Efficiency	Heat Pump SEER 15	SEER	15	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	SEER	15	
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	SEER	15.17	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	SEER	15	
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	SEER	15.17	per PY2016 Metadata

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Whole House Efficiency	Heat Pump Water Heater	Baseline EF	0.945	IL TRM v5
Whole House Efficiency	Efficient ECM Fan	Std Fan		
Whole House Efficiency	Efficient ECM Fan	Std Fan		
Whole House Efficiency	Heat Pump Ductless Mini Split	Electric heat & Room A/C		
Whole House Efficiency	Heat Pump Ductless Mini Split	SEER	9.12	IL TRM v5; a
Whole House Efficiency	Air Conditioner SEER 15	SEER	13	
Whole House Efficiency	Air Conditioner SEER 15	SEER	13	IL TRM v5
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	SEER	10	
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	SEER	6.87	per PY2015
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	SEER	13	
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	SEER	10	SEERexist pe
Whole House Efficiency	Air Conditioner SEER 16	SEER	13	
Whole House Efficiency	Air Conditioner SEER 16	SEER	13	IL TRM v5
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	SEER	10	
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	SEER	6.87	per PY2015
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	SEER	13	
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	SEER	10	SEERexist pe
Whole House Efficiency	Air Conditioner SEER 17	SEER	13	
Whole House Efficiency	Air Conditioner SEER 17	SEER	13	IL TRM v5
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	SEER	10	
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	SEER	6.87	per PY2015
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	SEER	13	
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	SEER	10	SEERexist pe
Whole House Efficiency	Heat Pump SEER 15	SEER	14	
Whole House Efficiency	Heat Pump SEER 15	SEER	14	IL TRM v5
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	SEER	9.12	
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	SEER	6.87	per PY2015
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	SEER	14	
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	SEER	9.12	SEERexist pe

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Measure Description		A
Program	Measure Name	Electric Energy Savings Algorithm
Whole House Efficiency	Heat Pump Water Heater	$+(((AE36*AH36-(1/(AE36*AH36*T36))) * AN36*0.27)/AQ36)*AK36)-((AE36*AH36-(1/$
Whole House Efficiency	Efficient ECM Fan	$=ROUND(608.1,4)$
Whole House Efficiency	Efficient ECM Fan	$= \text{Heating Savings} + \text{Cooling Savings} + \text{Shoulder Season Savings}$
Whole House Efficiency	Heat Pump Ductless Mini Split	$=ROUND(1314.51428571429,4)$
Whole House Efficiency	Heat Pump Ductless Mini Split	$=ROUND((AT40*AE40*(1/W40-1/T40))/1000+(AW40*AE40*(1/AK40-1/AH40)/1000,$
Whole House Efficiency	Air Conditioner SEER 15	$=ROUND((1/W41-1/T41)*AC41*AE41/AH41,4)$
Whole House Efficiency	Air Conditioner SEER 15	$=ROUND((AN42*AH42*(1/W42-1/T42))/1000,4)$
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	$=ROUND((1/W43-1/T43)*AC43*AE43/AH43,4)$
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	$=ROUND((AN44*AH44*(1/W44-1/T44))/1000,4)$
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	$=ROUND((1/W45-1/T45)*AC45*AE45/AH45,4)$
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	$=ROUND((AT46*AH46*(1/AN46-1/T46))/1000,4)$
Whole House Efficiency	Air Conditioner SEER 16	$=ROUND((1/W47-1/T47)*AC47*AE47/AH47,4)$
Whole House Efficiency	Air Conditioner SEER 16	$=ROUND((AN48*AH48*(1/W48-1/T48))/1000,4)$
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	$=ROUND((1/W49-1/T49)*AC49*AE49/AH49,4)$
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	$=ROUND((AN50*AH50*(1/W50-1/T50))/1000,4)$
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	$=ROUND((1/W51-1/T51)*AC51*AE51/AH51,4)$
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	$=ROUND((AT52*AH52*(1/AN52-1/T52))/1000,4)$
Whole House Efficiency	Air Conditioner SEER 17	$=ROUND((1/W53-1/T53)*AC53*AE53/AH53,4)$
Whole House Efficiency	Air Conditioner SEER 17	$=ROUND((AN54*AH54*(1/W54-1/T54))/1000,4)$
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	$=ROUND((1/W55-1/T55)*AC55*AE55/AH55,4)$
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	$=ROUND((AN56*AH56*(1/W56-1/T56))/1000,4)$
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	$=ROUND((1/W57-1/T57)*AC57*AE57/AH57,4)$
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	$=ROUND((AT58*AH58*(1/AN58-1/T58))/1000,4)$
Whole House Efficiency	Heat Pump SEER 15	$=ROUND(((1/W59-1/T59)*AC59 + AK59*AD59)*AE59/AH59,4)$
Whole House Efficiency	Heat Pump SEER 15	$=ROUND((AT60*AE60*(1/W60-1/T60))/1000+(AW60*AE60*(1/AK60-1/AH60)/1000,$
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	$=ROUND(((1/W61-1/T61)*AC61 + AK61*AD61)*AE61/AH61,4)$
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	$=ROUND((AT62*AE62*(1/W62-1/T62))/1000+(AW62*AE62*(1/AK62-1/AH62)/1000,$
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	$=ROUND(((1/W63-1/T63)*AC63 + AK63*AD63)*AE63/AH63,4)$
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	$=ROUND((BC64*AE64*(1/AT64-1/T64))/1000+(BF64*AE64*(1/AZ64-1/AH64)/1000)$

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Whole House Efficiency	Heat Pump Water Heater	=ROUND(I36/P36*L36,4)
Whole House Efficiency	Efficient ECM Fan	=ROUND(0.340335802469136,4)
Whole House Efficiency	Efficient ECM Fan	=ROUND(241 / AE38* L38,4)
Whole House Efficiency	Heat Pump Ductless Mini Split	=ROUND(0.81704049808648,4)
Whole House Efficiency	Heat Pump Ductless Mini Split	=ROUND((AE40*(1/AQ40-1/AN40)/1000)*L40,4)
Whole House Efficiency	Air Conditioner SEER 15	=ROUND(0.0890181818181818,4)
Whole House Efficiency	Air Conditioner SEER 15	=ROUND(((AH42*((1/AK42)-(1/AE42)))/1000)*L42,4)
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	=ROUND(0.234156521739131,4)
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	=ROUND(((AH44*((1/AK44)-(1/AE44)))/1000)*L44,4)
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	=ROUND(0.0890181818181818,4)
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	=ROUND(((AH46*((1/AQ46)-(1/AE46)))/1000)*L46,4)
Whole House Efficiency	Air Conditioner SEER 16	=ROUND(0.0890181818181818,4)
Whole House Efficiency	Air Conditioner SEER 16	=ROUND(((AH48*((1/AK48)-(1/AE48)))/1000)*L48,4)
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	=ROUND(0.234156521739131,4)
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	=ROUND(((AH50*((1/AK50)-(1/AE50)))/1000)*L50,4)
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	=ROUND(0.0890181818181818,4)
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	=ROUND(((AH52*((1/AQ52)-(1/AE52)))/1000)*L52,4)
Whole House Efficiency	Air Conditioner SEER 17	=ROUND(0.114125874125874,4)
Whole House Efficiency	Air Conditioner SEER 17	=ROUND(((AH54*((1/AK54)-(1/AE54)))/1000)*L54,4)
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	=ROUND(0.259264214046823,4)
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	=ROUND(((AH56*((1/AK56)-(1/AE56)))/1000)*L56,4)
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	=ROUND(0.114125874125874,4)
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	=ROUND(((AH58*((1/AQ58)-(1/AE58)))/1000)*L58,4)
Whole House Efficiency	Heat Pump SEER 15	=ROUND(0.0541846696615473,4)
Whole House Efficiency	Heat Pump SEER 15	=ROUND((AE60*(1/AQ60-1/AN60)/1000)*L60,4)
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	=ROUND(0.891091021671826,4)
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	=ROUND((AE62*(1/AQ62-1/AN62)/1000)*L62,4)
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	=ROUND(0.0541846696615473,4)
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	=ROUND((AE64*(1/AW64-1/AN64)/1000)*L64,4)

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[Link to CDD](#)

[Link to HDD](#)

Measure Description		Start/End Dates		Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Program	Measure Name	Effective Start Date	Effective End Date			
Whole House Efficiency	Heat Pump Water Heater	4/1/2018				45.143
Whole House Efficiency	Efficient ECM Fan	4/1/2016	3/31/2018	1325	5249	
Whole House Efficiency	Efficient ECM Fan	4/1/2018				982
Whole House Efficiency	Heat Pump Ductless Mini Split	4/1/2016	3/31/2018	1325	5249	
Whole House Efficiency	Heat Pump Ductless Mini Split	4/1/2018				12,000
Whole House Efficiency	Air Conditioner SEER 15	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Air Conditioner SEER 15	4/1/2018				12.362112
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	4/1/2018				12.37755
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	4/1/2018				12.37755
Whole House Efficiency	Air Conditioner SEER 16	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Air Conditioner SEER 16	4/1/2018				13.035
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	4/1/2018				13.048782
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	4/1/2018				13.048782
Whole House Efficiency	Air Conditioner SEER 17	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Air Conditioner SEER 17	4/1/2018				13.26
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	4/1/2018				13.26
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	4/1/2018				13.26
Whole House Efficiency	Heat Pump SEER 15	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Heat Pump SEER 15	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	4/1/2018				12,000

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Whole House Efficiency	Heat Pump Water Heater	Gallons per day: 17.6 gal/day	IL TRM v5	63.312
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Efficient ECM Fan	EFLHcool		n/a
Whole House Efficiency	Heat Pump Ductless Mini Split			
Whole House Efficiency	Heat Pump Ductless Mini Split	Allows for Capacity input in Ton		11.12424242
Whole House Efficiency	Air Conditioner SEER 15	Btu/hr		1,091
Whole House Efficiency	Air Conditioner SEER 15	EERee	IL TRMv5	12,000
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	Btu/hr		1,091
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	EERee	PY2016 evaluation metadata	12,000
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	Btu/hr		1,091
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	EERee	PY2016 evaluation metadata	12,000
Whole House Efficiency	Air Conditioner SEER 16	Btu/hr		1,091
Whole House Efficiency	Air Conditioner SEER 16	EERee	IL TRMv5	12,000
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	Btu/hr		1,091
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	EERee	PY2016 evaluation metadata	12,000
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	Btu/hr		1,091
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	EERee	PY2016 evaluation metadata	12,000
Whole House Efficiency	Air Conditioner SEER 17	Btu/hr		1,091
Whole House Efficiency	Air Conditioner SEER 17	EERee	IL TRMv5	12,000
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	Btu/hr		1,091
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	EERee	IL TRMv5	12,000
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	Btu/hr		1,091
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	EERee	IL TRMv5	12,000
Whole House Efficiency	Heat Pump SEER 15	Btu/hr		1,091
Whole House Efficiency	Heat Pump SEER 15	Allows for Capacity input in Ton		8.583333333
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	Btu/hr		1,091
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	Allows for Capacity input in Ton		8.712142857
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	Btu/hr		1,091
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	Allows for Capacity input in		8.712142857

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Whole House Efficiency	Heat Pump Water Heater	WHC = Water Heating	IL TRM v5	1.33
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Efficient ECM Fan	EFLHheat		
Whole House Efficiency	Heat Pump Ductless Mini Split			
Whole House Efficiency	Heat Pump Ductless Mini Split	HSPFee	Calculated per PY2016 Metadat	5.44
Whole House Efficiency	Air Conditioner SEER 15	Coefficient		
Whole House Efficiency	Air Conditioner SEER 15	Allows for Capacity input in Ton		11.2
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	Coefficient		
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	Allows for Capacity input in Ton		6.001068314
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	Coefficient		
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	Allows for Capacity input in Ton		6.001068314
Whole House Efficiency	Air Conditioner SEER 16	Coefficient		
Whole House Efficiency	Air Conditioner SEER 16	Allows for Capacity input in Ton		11.2
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	Coefficient		
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	Allows for Capacity input in Ton		6.001068314
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	Coefficient		
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	Allows for Capacity input in Tons; converts tons to BTUs		6.001068314
Whole House Efficiency	Air Conditioner SEER 17	Coefficient		
Whole House Efficiency	Air Conditioner SEER 17	Allows for Capacity input in Ton		11.2
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	Coefficient		
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	Allows for Capacity input in Ton		6.001068314
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	Coefficient		
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	Allows for Capacity input in Ton		6.001068314
Whole House Efficiency	Heat Pump SEER 15	Coefficient		0.001796471
Whole House Efficiency	Heat Pump SEER 15	HSPFee	Calculated per PY2016 Metadat	8.200
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	Coefficient		0.027586522
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	HSPFee	Calculated per PY2016 Metadat	5.44
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	Coefficient		0.001796471
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	HSPFee	Calculated per PY2016 Metadat	5.44

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Whole House Efficiency	Heat Pump Water Heater	Latent multiplier to account for	IL TRM v5	0.5
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Heat Pump Ductless Mini Split			
Whole House Efficiency	Heat Pump Ductless Mini Split	HSPFbase	Illinois TRM - Assumes Air Sourc	12.78461538
Whole House Efficiency	Air Conditioner SEER 15			
Whole House Efficiency	Air Conditioner SEER 15	EERbase	IL TRMv5, Early Replacement	982
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	EERbase	Early Replacement: 2015 Tracki	982
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	EERexist	Early Replacement: 2015 Tracki	13
Whole House Efficiency	Air Conditioner SEER 16			
Whole House Efficiency	Air Conditioner SEER 16	EERbase	IL TRMv5, Early Replacement	982
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	EERbase	Early Replacement: 2015 Tracki	982
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	EERexist	Early Replacement: 2015 Tracki	13
Whole House Efficiency	Air Conditioner SEER 17			
Whole House Efficiency	Air Conditioner SEER 17	EERbase	IL TRMv5, Early Replacement	982
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	EERbase	Early Replacement: 2015 Tracki	982
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	EERexist	Early Replacement: 2015 Tracki	13
Whole House Efficiency	Heat Pump SEER 15	HSPF improvement factor		
Whole House Efficiency	Heat Pump SEER 15	HSPFbase	Illinois TRM	12.5
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	HSPF improvement factor		
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	HSPFbase	Illinois TRM	12.51818182
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	HSPF improvement factor		
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	HSPFexist	Illinois TRM	12.51818182

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Whole House Efficiency	Heat Pump Water Heater	Location Factor	IL TRM v5	3.08
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Heat Pump Ductless Mini Split			
Whole House Efficiency	Heat Pump Ductless Mini Split	EERee	Calculated per PY2016 Metadat	8.55
Whole House Efficiency	Air Conditioner SEER 15			
Whole House Efficiency	Air Conditioner SEER 15	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	SEERbase	IL TRM V5	11.2
Whole House Efficiency	Air Conditioner SEER 16			
Whole House Efficiency	Air Conditioner SEER 16	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	SEERbase	IL TRM V5	11.2
Whole House Efficiency	Air Conditioner SEER 17			
Whole House Efficiency	Air Conditioner SEER 17	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	SEERbase	IL TRM V5	11.2
Whole House Efficiency	Heat Pump SEER 15			
Whole House Efficiency	Heat Pump SEER 15	EERee	Calculated per PY2016 Metadat	11.8
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	EERee	Calculated per PY2016 Metadat	6.70764
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	EERee	Calculated per PY2016 Metadat	6.70764

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Measure Description		Quantities		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Whole House Efficiency	Heat Pump Water Heater	COPcool	IL TRM v5	1.39
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Heat Pump Ductless Mini Split			
Whole House Efficiency	Heat Pump Ductless Mini Split	EERbase	Illinois TRM - Assumes Air Sourc	982
Whole House Efficiency	Air Conditioner SEER 15			
Whole House Efficiency	Air Conditioner SEER 15	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	EERbase	IL TRM V5	982
Whole House Efficiency	Air Conditioner SEER 16			
Whole House Efficiency	Air Conditioner SEER 16	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	EERbase	IL TRM V5	982
Whole House Efficiency	Air Conditioner SEER 17			
Whole House Efficiency	Air Conditioner SEER 17	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	EERbase	IL TRM V5	982
Whole House Efficiency	Heat Pump SEER 15			
Whole House Efficiency	Heat Pump SEER 15	EERbase	Illinois TRM	982
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	EERbase	2015 Tracking Data Analysis for	982
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	EERexist	2015 Tracking Data Analysis for	14

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Whole House Efficiency	Heat Pump Water Heater	COPheat:	IL TRM v5	
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Heat Pump Ductless Mini Split			
Whole House Efficiency	Heat Pump Ductless Mini Split	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Air Conditioner SEER 15			
Whole House Efficiency	Air Conditioner SEER 15			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Air Conditioner SEER 16			
Whole House Efficiency	Air Conditioner SEER 16			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Air Conditioner SEER 17			
Whole House Efficiency	Air Conditioner SEER 17			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 15			
Whole House Efficiency	Heat Pump SEER 15	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	SEERbase	IL TRM V5	8.55

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Whole House Efficiency	Heat Pump Water Heater			
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Heat Pump Ductless Mini Split			
Whole House Efficiency	Heat Pump Ductless Mini Split	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Air Conditioner SEER 15			
Whole House Efficiency	Air Conditioner SEER 15			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Air Conditioner SEER 16			
Whole House Efficiency	Air Conditioner SEER 16			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Air Conditioner SEER 17			
Whole House Efficiency	Air Conditioner SEER 17			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Heat Pump SEER 15			
Whole House Efficiency	Heat Pump SEER 15	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	EERbase	IL TRM V5	8.2

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Whole House Efficiency	Heat Pump Water Heater			
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Heat Pump Ductless Mini Split			
Whole House Efficiency	Heat Pump Ductless Mini Split			
Whole House Efficiency	Air Conditioner SEER 15			
Whole House Efficiency	Air Conditioner SEER 15			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 16			
Whole House Efficiency	Air Conditioner SEER 16			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 17			
Whole House Efficiency	Air Conditioner SEER 17			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 15			
Whole House Efficiency	Heat Pump SEER 15			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	HSPFbase	Illinois TRM	982

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Whole House Efficiency	Heat Pump Water Heater			
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Efficient ECM Fan			
Whole House Efficiency	Heat Pump Ductless Mini Split			
Whole House Efficiency	Heat Pump Ductless Mini Split			
Whole House Efficiency	Air Conditioner SEER 15			
Whole House Efficiency	Air Conditioner SEER 15			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 16			
Whole House Efficiency	Air Conditioner SEER 16			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 17			
Whole House Efficiency	Air Conditioner SEER 17			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)			
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 15			
Whole House Efficiency	Heat Pump SEER 15			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	EFLHcool	The EFLH Cooling and Heating	1376

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Whole House Efficiency	Heat Pump Water Heater		
Whole House Efficiency	Efficient ECM Fan		
Whole House Efficiency	Efficient ECM Fan		
Whole House Efficiency	Heat Pump Ductless Mini Split		
Whole House Efficiency	Heat Pump Ductless Mini Split		
Whole House Efficiency	Air Conditioner SEER 15		
Whole House Efficiency	Air Conditioner SEER 15		
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement		
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement		
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)		
Whole House Efficiency	Air Conditioner SEER 15 - Early Retirement (future)		
Whole House Efficiency	Air Conditioner SEER 16		
Whole House Efficiency	Air Conditioner SEER 16		
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement		
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement		
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)		
Whole House Efficiency	Air Conditioner SEER 16 - Early Retirement (future)		
Whole House Efficiency	Air Conditioner SEER 17		
Whole House Efficiency	Air Conditioner SEER 17		
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement		
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement		
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)		
Whole House Efficiency	Air Conditioner SEER 17 - Early Retirement (future)		
Whole House Efficiency	Heat Pump SEER 15		
Whole House Efficiency	Heat Pump SEER 15		
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement		
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement		
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)		
Whole House Efficiency	Heat Pump SEER 15 - Early Retirement (future)	EFLHheat	The EFLH Cooling and Heating I

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<i>Measure Description</i>					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	33	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	33.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	314	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	315	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 16	34	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 16	34.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	35	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	35.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	36	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	36.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	37	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	37.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	316	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	317	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 17	38	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 17	38.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	39	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	39.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	40	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	40.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	41	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	41.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	318	Single Family	HVAC	Tier 3
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	319	Single Family	HVAC	Tier 3
Income-Eligible Weatherization	Screw In - CFLs	42	Single Family	Lighting	Kits
Income-Eligible Weatherization	Screw In - LEDs	43	Single Family	Lighting	Kits
Income-Eligible Weatherization	Low Flow Faucet Aerator	44	Single Family	Hot Water	Kits
Income-Eligible Weatherization	Pipe Insulated	45	Single Family	Hot Water	Kits
Income-Eligible Weatherization	Low Flow Showerhead	46	Single Family	Hot Water	Kits

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<i>Measure Description</i>					
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	per ton	\$796.86	4,719.5584	
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	per ton	\$429.27	217.7936	IL TRM v5
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	per ton	\$1,482.00	3885.4305	IL TRM v5
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	per ton	\$644.56	183.2908	IL TRM v5
Whole House Efficiency	Heat Pump SEER 16	per ton	\$304.61	233.9430	
Whole House Efficiency	Heat Pump SEER 16	per ton	\$890.50	302.0404	IL TRM v5
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	per ton	\$949.17	2,282.8214	
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	per ton	\$1,250.63	2,178.6968	IL TRM v5
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	per ton	\$644.56	233.9430	
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	per ton	\$644.56	283.4917	IL TRM v5
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	per ton	\$949.17	4,780.3091	
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	per ton	\$793.16	300.6852	IL TRM v5
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	per ton	\$1,527.00	3985.6314	IL TRM v5
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	per ton	\$644.56	283.4917	IL TRM v5
Whole House Efficiency	Heat Pump SEER 17	per ton	\$456.91	320.5254	
Whole House Efficiency	Heat Pump SEER 17	per ton	\$1,233.00	357.7369	IL TRM v5
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	per ton	\$1,101.47	2,369.4004	
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	per ton	\$2,310.36	2,380.9608	IL TRM v5
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	per ton	\$644.56	320.5254	
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	per ton	\$644.56	485.7557	IL TRM v5
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	per ton	\$1,101.47	4,866.8920	
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	per ton	\$1,307.73	495.4849	IL TRM v5
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	per ton	\$1,622.33	4187.8954	IL TRM v5
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	per ton	\$644.56	485.7557	IL TRM v5
Income-Eligible Weatherization	Screw In - CFLs	per lamp	\$1.70	28.2901	
Income-Eligible Weatherization	Screw In - LEDs	per lamp	\$15.00	30.9532	
Income-Eligible Weatherization	Low Flow Faucet Aerator	per unit	\$2.80	65.4500	
Income-Eligible Weatherization	Pipe Insulated	per unit	\$9.00	74.0357	
Income-Eligible Weatherization	Low Flow Showerhead	per unit	\$15.00	272.9500	

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<i>Measure Description</i>		<i>Gross Measure Values</i>			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat		72%		1.7652
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	0.2218	72%	IL TRM v5	0.0546
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	3.9567	72%	IL TRM v5	0.5979
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	0.1867	72%	IL TRM v5	0.3203
Whole House Efficiency	Heat Pump SEER 16		72%		0.0542
Whole House Efficiency	Heat Pump SEER 16	0.3076	72%	IL TRM v5	0.0644
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement		72%		0.8911
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	2.2186	72%	IL TRM v5	0.6158
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)		72%		0.0542
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	0.2887	72%	IL TRM v5	0.3382
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat		72%		1.7652
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	0.3062	72%	IL TRM v5	0.0478
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	4.0587	72%	IL TRM v5	0.6158
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	0.2887	72%	IL TRM v5	0.3382
Whole House Efficiency	Heat Pump SEER 17		72%		0.0926
Whole House Efficiency	Heat Pump SEER 17	0.3643	72%	IL TRM v5	0.0410
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement		72%		0.9295
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	2.4246	72%	IL TRM v5	0.7506
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)		72%		0.0926
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	0.4947	72%	IL TRM v5	0.4730
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat		72%		1.8036
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	0.5046	72%	IL TRM v5	0.1819
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	4.2647	72%	IL TRM v5	0.7506
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	0.4947	72%	IL TRM v5	0.4730
Income-Eligible Weatherization	Screw In - CFLs	0.030	10%		0.0029
Income-Eligible Weatherization	Screw In - LEDs	0.033	10%		0.0031
Income-Eligible Weatherization	Low Flow Faucet Aerator		2%		0.0101
Income-Eligible Weatherization	Pipe Insulated	0.008			0.0085
Income-Eligible Weatherization	Low Flow Showerhead		3%		0.0244

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<i>Measure Description</i>					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat				6
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat		982	EFLHcool, from P	18
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement		982	EFLHcool, from P	6
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)		982	EFLHcool, from P	12
Whole House Efficiency	Heat Pump SEER 16				18
Whole House Efficiency	Heat Pump SEER 16		982	EFLHcool, from P	18
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement				6
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement		982	EFLHcool, from P	6
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)				12
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	IL TRM V5	982	EFLHcool, from P	12
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat				6
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat		982	EFLHcool, from P	18
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement		982	EFLHcool, from P	6
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)		982	EFLHcool, from P	12
Whole House Efficiency	Heat Pump SEER 17				18
Whole House Efficiency	Heat Pump SEER 17		982	EFLHcool, from P	18
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement				6
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement		982	EFLHcool, from P	6
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)				12
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	IL TRM V5	982	EFLHcool, from P	12
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat				12
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat		982	EFLHcool, from P	18
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement		982	EFLHcool, from P	6
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)		982	EFLHcool, from P	12
Income-Eligible Weatherization	Screw In - CFLs		938		5
Income-Eligible Weatherization	Screw In - LEDs		938		20
Income-Eligible Weatherization	Low Flow Faucet Aerator				9
Income-Eligible Weatherization	Pipe Insulated		8,760		15
Income-Eligible Weatherization	Low Flow Showerhead				10

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<i>Measure Description</i>		<i>Efficiency Values</i>		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	SEER	15	
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	SEER	15.17	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	SEER	15.17	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	SEER	15.17	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 16	SEER	16	
Whole House Efficiency	Heat Pump SEER 16	SEER	16.04	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	SEER	16	
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	SEER	16.08	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	SEER	16	
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	SEER	16.08	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	SEER	16	
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	SEER	16.11	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	SEER	16.08	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	SEER	16.08	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 17	SEER	17	
Whole House Efficiency	Heat Pump SEER 17	SEER	17.25	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	SEER	17	
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	SEER	18.34	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	SEER	17	
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	SEER	18.34	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	SEER	17	
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	SEER	18.27	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	SEER	18.34	per PY2016 Metadata
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	SEER	18.34	per PY2016 Metadata
Income-Eligible Weatherization	Screw In - CFLs	CFL (watts)	14	
Income-Eligible Weatherization	Screw In - LEDs	LED (watts)	11.3	
Income-Eligible Weatherization	Low Flow Faucet Aerator	Low Flow (GPM)	0.94	
Income-Eligible Weatherization	Pipe Insulated	5 linear feet of insulation		
Income-Eligible Weatherization	Low Flow Showerhead	Low Flow (GPM)	2.5	

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	SEER	10	
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	SEERbase	14	IL TRM v5
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	SEER	6.87	per PY2015
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	SEER		SEERexist pe
Whole House Efficiency	Heat Pump SEER 16	SEER	14	
Whole House Efficiency	Heat Pump SEER 16	SEER	14	IL TRM v5
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	SEER	9.12	
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	SEER	6.87	per PY2015
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	SEER	14	
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	SEER	9.12	SEERexist pe
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	SEER	10	
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	SEERbase	14	IL TRM v5
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	SEER	6.87	per PY2015
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	SEER		SEERexist pe
Whole House Efficiency	Heat Pump SEER 17	SEER	14	
Whole House Efficiency	Heat Pump SEER 17	SEER	14	IL TRM v5
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	SEER	9.12	
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	SEER	6.87	per PY2015
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	SEER	14	
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	SEER	9.12	SEERexist pe
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	SEER	10	
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	SEERbase	14	IL TRM v5
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	SEER	6.87	per PY2015
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	SEER		SEERexist pe
Income-Eligible Weatherization	Screw In - CFLs	EISA tier 1 compliant Halogen (watts)	43	
Income-Eligible Weatherization	Screw In - LEDs	EISA tier 1 compliant Halogen (watts)	43	
Income-Eligible Weatherization	Low Flow Faucet Aerator	Standard (GPM)	1.39	
Income-Eligible Weatherization	Pipe Insulated	none		
Income-Eligible Weatherization	Low Flow Showerhead	Standard (GPM)	4	

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Measure Description		A
Program	Measure Name	Electric Energy Savings Algorithm
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	=ROUND(((1/W65-1/T65)*AC65 + AK65*AD65)*AE65/AH65,4)
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	=ROUND((AT66*AE66*(1/W66-1/T66))/1000+(AW66*AE66*(1/AK66-1/AH66))/1000)
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	=ROUND((AT67*AE67*(1/W67-1/T67))/1000+(AW67*AE67*(1/AK67-1/AH67))/1000)
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	=ROUND((BC68*AE68*(1/AT68-1/T68))/1000+(BF68*AE68*(1/AZ68-1/AH68))/1000)
Whole House Efficiency	Heat Pump SEER 16	=ROUND(((1/W69-1/T69)*AC69 + AK69*AD69)*AE69/AH69,4)
Whole House Efficiency	Heat Pump SEER 16	=ROUND((AT70*AE70*(1/W70-1/T70))/1000+(AW70*AE70*(1/AK70-1/AH70))/1000)
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	=ROUND(((1/W71-1/T71)*AC71 + AK71*AD71)*AE71/AH71,4)
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	=ROUND((AT72*AE72*(1/W72-1/T72))/1000+(AW72*AE72*(1/AK72-1/AH72))/1000)
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	=ROUND(((1/W73-1/T73)*AC73 + AK73*AD73)*AE73/AH73,4)
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	=ROUND((BC74*AE74*(1/AT74-1/T74))/1000+(BF74*AE74*(1/AZ74-1/AH74))/1000)
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	=ROUND(((1/W75-1/T75)*AC75 + AK75*AD75)*AE75/AH75,4)
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	=ROUND((AT76*AE76*(1/W76-1/T76))/1000+(AW76*AE76*(1/AK76-1/AH76))/1000)
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	=ROUND((AT77*AE77*(1/W77-1/T77))/1000+(AW77*AE77*(1/AK77-1/AH77))/1000)
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	=ROUND((BC78*AE78*(1/AT78-1/T78))/1000+(BF78*AE78*(1/AZ78-1/AH78))/1000)
Whole House Efficiency	Heat Pump SEER 17	=ROUND(((1/W79-1/T79)*AC79 + AK79*AD79)*AE79/AH79,4)
Whole House Efficiency	Heat Pump SEER 17	=ROUND((AT80*AE80*(1/W80-1/T80))/1000+(AW80*AE80*(1/AK80-1/AH80))/1000)
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	=ROUND(((1/W81-1/T81)*AC81 + AK81*AD81)*AE81/AH81,4)
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	=ROUND((AT82*AE82*(1/W82-1/T82))/1000+(AW82*AE82*(1/AK82-1/AH82))/1000)
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	=ROUND(((1/W83-1/T83)*AC83 + AK83*AD83)*AE83/AH83,4)
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	=ROUND((BC84*AE84*(1/AT84-1/T84))/1000+(BF84*AE84*(1/AZ84-1/AH84))/1000)
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	=ROUND(((1/W85-1/T85)*AC85 + AK85*AD85)*AE85/AH85,4)
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	=ROUND((AT86*AE86*(1/W86-1/T86))/1000+(AW86*AE86*(1/AK86-1/AH86))/1000)
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	=ROUND((AT87*AE87*(1/W87-1/T87))/1000+(AW87*AE87*(1/AK87-1/AH87))/1000)
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	=ROUND((BC88*AE88*(1/AT88-1/T88))/1000+(BF88*AE88*(1/AZ88-1/AH88))/1000)
Income-Eligible Weatherization	Screw In - CFLs	=ROUND((W89-T89)/1000*P89*AE89,4)
Income-Eligible Weatherization	Screw In - LEDs	=ROUND((W90-T90)/1000*P90*AE90,4)
Income-Eligible Weatherization	Low Flow Faucet Aerator	=ROUND((W91-T91)*AE91*(AH91*365.25)*AK91,4)
Income-Eligible Weatherization	Pipe Insulated	=ROUND(74.0356963418427,4)
Income-Eligible Weatherization	Low Flow Showerhead	=ROUND((W93-T93)*AE93*(AH93*365.25)*AK93,4)

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	=ROUND(1.76518418672327,4)
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	=ROUND((AE66*(1/AQ66-1/AN66)/1000)*L66,4)
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	=ROUND((AE67*(1/AQ67-1/AN67)/1000)*L67,4)
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	=ROUND((AE68*(1/AW68-1/AN68)/1000)*L68,4)
Whole House Efficiency	Heat Pump SEER 16	=ROUND(0.0541846696615473,4)
Whole House Efficiency	Heat Pump SEER 16	=ROUND((AE70*(1/AQ70-1/AN70)/1000)*L70,4)
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	=ROUND(0.891091021671826,4)
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	=ROUND((AE72*(1/AQ72-1/AN72)/1000)*L72,4)
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	=ROUND(0.0541846696615473,4)
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	=ROUND((AE74*(1/AW74-1/AN74)/1000)*L74,4)
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	=ROUND(1.76518418672327,4)
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	=ROUND((AE76*(1/AQ76-1/AN76)/1000)*L76,4)
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	=ROUND((AE77*(1/AQ77-1/AN77)/1000)*L77,4)
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	=ROUND((AE78*(1/AW78-1/AN78)/1000)*L78,4)
Whole House Efficiency	Heat Pump SEER 17	=ROUND(0.0925887104907591,4)
Whole House Efficiency	Heat Pump SEER 17	=ROUND((AE80*(1/AQ80-1/AN80)/1000)*L80,4)
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	=ROUND(0.929495062501038,4)
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	=ROUND((AE82*(1/AQ82-1/AN82)/1000)*L82,4)
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	=ROUND(0.0925887104907591,4)
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	=ROUND((AE84*(1/AW84-1/AN84)/1000)*L84,4)
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	=ROUND(1.80358822755248,4)
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	=ROUND((AE86*(1/AQ86-1/AN86)/1000)*L86,4)
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	=ROUND((AE87*(1/AQ87-1/AN87)/1000)*L87,4)
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	=ROUND((AE88*(1/AW88-1/AN88)/1000)*L88,4)
Income-Eligible Weatherization	Screw In - CFLs	=ROUND(K89*L89,4)
Income-Eligible Weatherization	Screw In - LEDs	=ROUND(K90*L90,4)
Income-Eligible Weatherization	Low Flow Faucet Aerator	=ROUND(0.0100909858097883,4)
Income-Eligible Weatherization	Pipe Insulated	=ROUND(0.00845156350934278,4)
Income-Eligible Weatherization	Low Flow Showerhead	=ROUND(0.024398921338246,4)

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[Link to CDD](#)

[Link to HDD](#)

<i>Measure Description</i>		<i>Start/End Dates</i>				
Program	Measure Name	Effective Start Date	Effective End Date	Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 16	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Heat Pump SEER 16	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 17	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Heat Pump SEER 17	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	4/1/2016	3/31/2018	1325	5249	12,000
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	4/1/2018				12,000
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	4/1/2018				12,000
Income-Eligible Weatherization	Screw In - CFLs	4/1/2016	1/31/2017			1.04
Income-Eligible Weatherization	Screw In - LEDs	4/1/2016	1/31/2017			1.04
Income-Eligible Weatherization	Low Flow Faucet Aerator	4/1/2016	1/31/2017			0.0919
Income-Eligible Weatherization	Pipe Insulated	4/1/2016	1/31/2017			
Income-Eligible Weatherization	Low Flow Showerhead	4/1/2016	1/31/2017			0.0919

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	Btu/hr		1,091
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	Allows for Capacity input in Ton		8.873684211
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	Allows for Capacity input in Ton		8.712142857
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	Allows for Capacity input in Ton		8.712142857
Whole House Efficiency	Heat Pump SEER 16	Btu/hr		1,091
Whole House Efficiency	Heat Pump SEER 16	Allows for Capacity input in Ton		9.079166667
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	Btu/hr		1,091
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	Allows for Capacity input in Ton		8.978571429
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	Btu/hr		1,091
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	Allows for Capacity input in Ton		8.978571429
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	Btu/hr		1,091
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	Allows for Capacity input in Ton		9.056521739
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	Allows for Capacity input in Ton		8.978571429
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	Allows for Capacity input in Ton		8.978571429
Whole House Efficiency	Heat Pump SEER 17	Btu/hr		1,091
Whole House Efficiency	Heat Pump SEER 17	Allows for Capacity input in Ton		9.1
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	Btu/hr		1,091
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	Allows for Capacity input in Ton		9.560606061
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	Btu/hr		1,091
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	Allows for Capacity input in Ton		9.560606061
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	Btu/hr		1,091
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	Allows for Capacity input in Ton		9.628571429
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	Allows for Capacity input in Ton		9.560606061
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	Allows for Capacity input in Ton		9.560606061
Income-Eligible Weatherization	Screw In - CFLs	Waste Heat Factor		
Income-Eligible Weatherization	Screw In - LEDs	Waste Heat Factor		
Income-Eligible Weatherization	Low Flow Faucet Aerator	kWh per gallon hot water		3
Income-Eligible Weatherization	Pipe Insulated			
Income-Eligible Weatherization	Low Flow Showerhead	kWh per gallon hot water		3.75

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	Coefficient		0.073296351
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	HSPFee	Calculated per PY2016 Metadat	8.200
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	HSPF_ee	Calculated per PY2016 Metadat	3.410
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	HSPF_ee	Calculated per PY2016 Metadat	8.200
Whole House Efficiency	Heat Pump SEER 16	Coefficient		0.001796471
Whole House Efficiency	Heat Pump SEER 16	HSPFee	Calculated per PY2016 Metadat	8.200
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	Coefficient		0.027621132
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	HSPFee	Calculated per PY2016 Metadat	5.440
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	Coefficient		0.001796471
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	HSPFee	Calculated per PY2016 Metadat	5.44
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	Coefficient		0.073296351
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	HSPFee	Calculated per PY2016 Metadat	8.200
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	HSPF_ee	Calculated per PY2016 Metadat	3.410
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	HSPF_ee	Calculated per PY2016 Metadat	8.200
Whole House Efficiency	Heat Pump SEER 17	Coefficient		0.002367442
Whole House Efficiency	Heat Pump SEER 17	HSPFee	Calculated per PY2016 Metadat	8.200
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	Coefficient		0.028192044
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	HSPFee	Calculated per PY2016 Metadat	5.44
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	Coefficient		0.002367442
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	HSPFee	Calculated per PY2016 Metadat	5.44
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	Coefficient		0.073867331
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	HSPFee	Calculated per PY2016 Metadat	8.200
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	HSPF_ee	Calculated per PY2016 Metadat	3.410
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	HSPF_ee	Calculated per PY2016 Metadat	8.200
Income-Eligible Weatherization	Screw In - CFLs			
Income-Eligible Weatherization	Screw In - LEDs			
Income-Eligible Weatherization	Low Flow Faucet Aerator	Minutes per person per day		1.44
Income-Eligible Weatherization	Pipe Insulated			
Income-Eligible Weatherization	Low Flow Showerhead	Minutes per person per day		1.44

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	HSPF improvement factor		
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	HSPFbase	Illinois TRM	12.75
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	HSPF_exist	Illinois TRM	12.51818182
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	HSPF_base	Illinois TRM	12.51818182
Whole House Efficiency	Heat Pump SEER 16	HSPF improvement factor		
Whole House Efficiency	Heat Pump SEER 16	HSPFbase	Illinois TRM	12.9375
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	HSPF improvement factor		
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	HSPFbase	Illinois TRM	12.85185185
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	HSPF improvement factor		
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	HSPFexist	Illinois TRM	12.85185185
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	HSPF improvement factor		
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	HSPFbase	Illinois TRM	12.625
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	HSPF_exist	Illinois TRM	12.85185185
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	HSPF_base	Illinois TRM	12.85185185
Whole House Efficiency	Heat Pump SEER 17	HSPF improvement factor		
Whole House Efficiency	Heat Pump SEER 17	HSPFbase	Illinois TRM	12.5
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	HSPF improvement factor		
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	HSPFbase	Illinois TRM	16.075
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	HSPF improvement factor		
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	HSPFexist	Illinois TRM	16.075
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	HSPF improvement factor		
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	HSPFbase	Illinois TRM	15.7
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	HSPF_exist	Illinois TRM	16.075
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	HSPF_base	Illinois TRM	16.075
Income-Eligible Weatherization	Screw In - CFLs			
Income-Eligible Weatherization	Screw In - LEDs			
Income-Eligible Weatherization	Low Flow Faucet Aerator	Persons per household		
Income-Eligible Weatherization	Pipe Insulated			
Income-Eligible Weatherization	Low Flow Showerhead	Persons per household		

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	EERee	Calculated per PY2016 Metadat	11.8
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	EER_ee	IL TRM V5	6.70764
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	EER_ee	IL TRM V5	
Whole House Efficiency	Heat Pump SEER 16			
Whole House Efficiency	Heat Pump SEER 16	EERee	Calculated per PY2016 Metadat	11.8
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	EERee	Calculated per PY2016 Metadat	6.70764
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	EERee	Calculated per PY2016 Metadat	6.70764
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	EERee	Calculated per PY2016 Metadat	11.8
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	EER_ee	IL TRM V5	6.70764
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	EER_ee	IL TRM V5	
Whole House Efficiency	Heat Pump SEER 17			
Whole House Efficiency	Heat Pump SEER 17	EERee	Calculated per PY2016 Metadat	11.8
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	EERee	Calculated per PY2016 Metadat	6.70764
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	EERee	Calculated per PY2016 Metadat	6.70764
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	EERee	Calculated per PY2016 Metadat	11.8
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	EER_ee	IL TRM V5	6.70764
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	EER_ee	IL TRM V5	
Income-Eligible Weatherization	Screw In - CFLs			
Income-Eligible Weatherization	Screw In - LEDs			
Income-Eligible Weatherization	Low Flow Faucet Aerator			
Income-Eligible Weatherization	Pipe Insulated			
Income-Eligible Weatherization	Low Flow Showerhead			

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<i>Measure Description</i>		<i>Quantities</i>		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	EERbase	Illinois TRM	982
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	EERbase	IL TRM V5	982
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	EERbase	IL TRM V5	14
Whole House Efficiency	Heat Pump SEER 16			
Whole House Efficiency	Heat Pump SEER 16	EERbase	Illinois TRM	982
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	EERbase	Calculated per PY2016 Metadata	982
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	EERexist	Calculated per PY2016 Metadata	14
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	EERbase	Illinois TRM	982
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	EERbase	IL TRM V5	982
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	EERbase	IL TRM V5	14
Whole House Efficiency	Heat Pump SEER 17			
Whole House Efficiency	Heat Pump SEER 17	EERbase	Illinois TRM	982
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	EERbase	Calculated per PY2016 Metadata	982
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	EERexist	Calculated per PY2016 Metadata	14
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	EERbase	Illinois TRM	982
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	EERbase	IL TRM V5	982
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	EERbase	IL TRM V5	14
Income-Eligible Weatherization	Screw In - CFLs			
Income-Eligible Weatherization	Screw In - LEDs			
Income-Eligible Weatherization	Low Flow Faucet Aerator			
Income-Eligible Weatherization	Pipe Insulated			
Income-Eligible Weatherization	Low Flow Showerhead			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	EFLHcool	The EFLH Cooling and Heating h	1376
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	SEERbase	IL TRM V5	8.55
Whole House Efficiency	Heat Pump SEER 16			
Whole House Efficiency	Heat Pump SEER 16	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	SEERbase	IL TRM V5	8.55
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	SEERbase	IL TRM V5	8.55
Whole House Efficiency	Heat Pump SEER 17			
Whole House Efficiency	Heat Pump SEER 17	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	SEERbase	IL TRM V5	8.55
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	SEERbase	IL TRM V5	8.55
Income-Eligible Weatherization	Screw In - CFLs			
Income-Eligible Weatherization	Screw In - LEDs			
Income-Eligible Weatherization	Low Flow Faucet Aerator			
Income-Eligible Weatherization	Pipe Insulated			
Income-Eligible Weatherization	Low Flow Showerhead			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement	EFLHheat	The EFLH Cooling and Heating h	
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	EERbase	IL TRM V5	8.2
Whole House Efficiency	Heat Pump SEER 16			
Whole House Efficiency	Heat Pump SEER 16	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	EERbase	IL TRM V5	8.2
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	EERbase	IL TRM V5	8.2
Whole House Efficiency	Heat Pump SEER 17			
Whole House Efficiency	Heat Pump SEER 17	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	EERbase	IL TRM V5	8.2
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	EERbase	IL TRM V5	8.2
Income-Eligible Weatherization	Screw In - CFLs			
Income-Eligible Weatherization	Screw In - LEDs			
Income-Eligible Weatherization	Low Flow Faucet Aerator			
Income-Eligible Weatherization	Pipe Insulated			
Income-Eligible Weatherization	Low Flow Showerhead			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement			
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	HSPFbase	Arkansas TRM v7	982
Whole House Efficiency	Heat Pump SEER 16			
Whole House Efficiency	Heat Pump SEER 16			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	HSPFbase	Illinois TRM	982
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement			
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	HSPFbase	Arkansas TRM v7	982
Whole House Efficiency	Heat Pump SEER 17			
Whole House Efficiency	Heat Pump SEER 17			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	HSPFbase	Illinois TRM	982
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement			
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	HSPFbase	Arkansas TRM v7	982
Income-Eligible Weatherization	Screw In - CFLs			
Income-Eligible Weatherization	Screw In - LEDs			
Income-Eligible Weatherization	Low Flow Faucet Aerator			
Income-Eligible Weatherization	Pipe Insulated			
Income-Eligible Weatherization	Low Flow Showerhead			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement			
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 16			
Whole House Efficiency	Heat Pump SEER 16			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement			
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	EFLHcool	The EFLH Cooling and Heating h	1376
Whole House Efficiency	Heat Pump SEER 17			
Whole House Efficiency	Heat Pump SEER 17			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)			
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat			
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement			
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	EFLHcool	The EFLH Cooling and Heating h	1376
Income-Eligible Weatherization	Screw In - CFLs			
Income-Eligible Weatherization	Screw In - LEDs			
Income-Eligible Weatherization	Low Flow Faucet Aerator			
Income-Eligible Weatherization	Pipe Insulated			
Income-Eligible Weatherization	Low Flow Showerhead			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat		
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat		
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement		
Whole House Efficiency	Heat Pump SEER 15 - Replace Electric Resistance Heat - Early Retirement (future)	EFLHheat	The EFLH Cooling and Heating h
Whole House Efficiency	Heat Pump SEER 16		
Whole House Efficiency	Heat Pump SEER 16		
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement		
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement		
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)		
Whole House Efficiency	Heat Pump SEER 16 - Early Retirement (future)	EFLHheat	The EFLH Cooling and Heating
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat		
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat		
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement		
Whole House Efficiency	Heat Pump SEER 16 - Replace Electric Resistance Heat - Early Retirement (future)	EFLHheat	The EFLH Cooling and Heating h
Whole House Efficiency	Heat Pump SEER 17		
Whole House Efficiency	Heat Pump SEER 17		
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement		
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement		
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)		
Whole House Efficiency	Heat Pump SEER 17 - Early Retirement (future)	EFLHheat	The EFLH Cooling and Heating
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat		
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat		
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement		
Whole House Efficiency	Heat Pump SEER 17 - Replace Electric Resistance Heat - Early Retirement (future)	EFLHheat	The EFLH Cooling and Heating h
Income-Eligible Weatherization	Screw In - CFLs		
Income-Eligible Weatherization	Screw In - LEDs		
Income-Eligible Weatherization	Low Flow Faucet Aerator		
Income-Eligible Weatherization	Pipe Insulated		
Income-Eligible Weatherization	Low Flow Showerhead		

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<i>Measure Description</i>					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Income-Eligible Weatherization	Water Heater Tank Wrap	47	Single Family	Hot Water	Kits
Income-Eligible Weatherization	Smart Power Strip	48	Single Family	Electronics	Kits
Income-Eligible Weatherization	Increased Ceiling Insulation	49	Single Family	HVAC - Shell	Weatherization
Income-Eligible Weatherization	Increased Duct Insulation	50	Single Family	HVAC - Shell	Weatherization
Income-Eligible Weatherization	Increased Wall Insulation	51	Single Family	HVAC - Shell	Weatherization
Income-Eligible Multi-Family	Screw In - CFLs	52	Multi-Family	Lighting	Kits
Income-Eligible Multi-Family	Screw In - LEDs	53	Multi-Family	Lighting	Kits
Income-Eligible Multi-Family	Screw In - LEDs	53.1	Multi-Family	Lighting	Kits
Income-Eligible Multi-Family	Screw In - LEDs	53.2	Multi-Family	Lighting	Kits
Income-Eligible Multi-Family	Low Flow Faucet Aerator	54	Multi-Family	Hot Water	Kits
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom	268	Multi-Family	Hot Water	Kits
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen	269	Multi-Family	Hot Water	Kits
Income-Eligible Multi-Family	Pipe Insulated	55	Multi-Family	Hot Water	Kits
Income-Eligible Multi-Family	Pipe Insulated	55.1	Multi-Family	Hot Water	Kits
Income-Eligible Multi-Family	Low Flow Showerhead	56	Multi-Family	Hot Water	Kits
Income-Eligible Multi-Family	Low Flow Showerhead	56.1	Multi-Family	Hot Water	Kits
Income-Eligible Multi-Family	Water Heater Tank Wrap	57	Multi-Family	Hot Water	Kits
Income-Eligible Multi-Family	Smart Power Strip	58	Multi-Family	Electronics	Kits
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug	247	Multi-Family	Electronics	Kits
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug	248	Multi-Family	Electronics	Kits
Income-Eligible Multi-Family	LED Exit Sign	59	Multi-Family	Lighting	Common Area
Income-Eligible Multi-Family	LED Exit Sign	59.1	Multi-Family	Lighting	Common Area
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	60	Multi-Family	Lighting	Common Area
Income-Eligible Multi-Family	Low Wattage T8 Lamp	61	Multi-Family	Lighting	Common Area
Income-Eligible Multi-Family	LED Flood Light (<15W)	62	Multi-Family	Lighting	Common Area
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)	62.1	Multi-Family	Lighting	Common Area
Income-Eligible Multi-Family	Screw In - CFLs	63	Multi-Family	Lighting	Common Area
Income-Eligible Multi-Family	Screw In - LEDs	64	Multi-Family	Lighting	Common Area
Income-Eligible Multi-Family	Screw In - LEDs	64.1	Multi-Family	Lighting	Common Area
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)	249	Multi-Family	Lighting	Common Area

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<i>Measure Description</i>					
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source
Income-Eligible Weatherization	Water Heater Tank Wrap	per unit	\$18.00	131.2958	
Income-Eligible Weatherization	Smart Power Strip	per unit	\$15.00	73.7300	
Income-Eligible Weatherization	Increased Ceiling Insulation	per sq ft (ceiling area)	\$0.76	0.5200	
Income-Eligible Weatherization	Increased Duct Insulation	per home	\$720.00	210.4900	
Income-Eligible Weatherization	Increased Wall Insulation	per sq ft (wall area)	\$1.32	0.7200	
Income-Eligible Multi-Family	Screw In - CFLs	per lamp	\$1.70	28.2901	
Income-Eligible Multi-Family	Screw In - LEDs	per lamp	\$15.00	30.9532	
Income-Eligible Multi-Family	Screw In - LEDs	per lamp	\$15.00	33.1677	
Income-Eligible Multi-Family	Screw In - LEDs	per lamp	\$3.93	28.2745	IL TRM v5
Income-Eligible Multi-Family	Low Flow Faucet Aerator	per unit	\$2.80	42.2900	
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom	per unit	\$8.00	38.9287	IL TRM V.5
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen	per unit	\$8.00	159.7889	IL TRM V.5
Income-Eligible Multi-Family	Pipe Insulated	per unit	\$2.80	74.0357	
Income-Eligible Multi-Family	Pipe Insulated	per unit	\$18.00	72.0650	IL TRM v5,
Income-Eligible Multi-Family	Low Flow Showerhead	per unit	\$15.00	235.9900	
Income-Eligible Multi-Family	Low Flow Showerhead	per unit	\$12.00	260.7940	IL TRM V.5
Income-Eligible Multi-Family	Water Heater Tank Wrap	per unit	\$18.00	131.2958	
Income-Eligible Multi-Family	Smart Power Strip	per unit	\$15.00	73.7300	
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug	per unit	\$16.00	56.5000	II TRM v5
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug	per unit	\$16.00	103.0000	II TRM v5
Income-Eligible Multi-Family	LED Exit Sign	per unit	\$30.00	78.8400	
Income-Eligible Multi-Family	LED Exit Sign	per unit	\$30.00	82.0498	II TRM v5
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	per fixture	\$100.00	701.0069	
Income-Eligible Multi-Family	Low Wattage T8 Lamp	per lamp	\$2.00	26.1245	
Income-Eligible Multi-Family	LED Flood Light (<15W)	per lamp	\$35.00	210.8290	
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)	per lamp	\$35.00	212.4650	
Income-Eligible Multi-Family	Screw In - CFLs	per lamp	\$3.33	204.6418	
Income-Eligible Multi-Family	Screw In - LEDs	per lamp	\$25.08	217.7040	
Income-Eligible Multi-Family	Screw In - LEDs	per lamp	\$25.08	248.1826	
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)	per lamp	\$3.93	119.9234	

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<i>Measure Description</i>		<i>Gross Measure Values</i>			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Income-Eligible Weatherization	Water Heater Tank Wrap	0.015			0.0150
Income-Eligible Weatherization	Smart Power Strip		80%		0.0052
Income-Eligible Weatherization	Increased Ceiling Insulation				0.0003
Income-Eligible Weatherization	Increased Duct Insulation				0.1178
Income-Eligible Weatherization	Increased Wall Insulation				0.0004
Income-Eligible Multi-Family	Screw In - CFLs	0.030	10%		0.0029
Income-Eligible Multi-Family	Screw In - LEDs	0.033	10%		0.0031
Income-Eligible Multi-Family	Screw In - LEDs	0.035	10%		0.0034
Income-Eligible Multi-Family	Screw In - LEDs	0.034	8.0%	IL TRM v5	0.0028
Income-Eligible Multi-Family	Low Flow Faucet Aerator		1%		0.0053
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom	2.7806	2.2%	IL TRM v5	0.0612
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen	1.6999	2.2%	IL TRM v5	0.0374
Income-Eligible Multi-Family	Pipe Insulated	0.008			0.0085
Income-Eligible Multi-Family	Pipe Insulated	0.0082	NA	NA	0.0082
Income-Eligible Multi-Family	Low Flow Showerhead		3%		0.0173
Income-Eligible Multi-Family	Low Flow Showerhead	0.8636	3%	IL TRM v5	0.0240
Income-Eligible Multi-Family	Water Heater Tank Wrap	0.015			0.0150
Income-Eligible Multi-Family	Smart Power Strip		80%		0.0052
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug		80%	II TRM v5	0.0063
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug		80%	II TRM v5	0.0116
Income-Eligible Multi-Family	LED Exit Sign	0.009	100%		0.0090
Income-Eligible Multi-Family	LED Exit Sign	0.010	100%	II TRM v5	0.0096
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	0.216	66%		0.1424
Income-Eligible Multi-Family	Low Wattage T8 Lamp	0.008	66%		0.0053
Income-Eligible Multi-Family	LED Flood Light (<15W)	0.043	0%		0.0000
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)	0.046	0%		0.0000
Income-Eligible Multi-Family	Screw In - CFLs	0.063	10%		0.0060
Income-Eligible Multi-Family	Screw In - LEDs	0.067	10%		0.0064
Income-Eligible Multi-Family	Screw In - LEDs	0.076	10%		0.0073
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)	0.020	64.0%	IL TRM v5	0.0133

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<i>Measure Description</i>					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Income-Eligible Weatherization	Water Heater Tank Wrap		8,760		5
Income-Eligible Weatherization	Smart Power Strip				5
Income-Eligible Weatherization	Increased Ceiling Insulation				25
Income-Eligible Weatherization	Increased Duct Insulation				20
Income-Eligible Weatherization	Increased Wall Insulation				25
Income-Eligible Multi-Family	Screw In - CFLs		938		5
Income-Eligible Multi-Family	Screw In - LEDs		938		20
Income-Eligible Multi-Family	Screw In - LEDs		938		20
Income-Eligible Multi-Family	Screw In - LEDs	IL TRM v5	840	IL TRM v5	10
Income-Eligible Multi-Family	Low Flow Faucet Aerator				9
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom		14	IL TRM V.5	9
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen		94	IL TRM V.5	9
Income-Eligible Multi-Family	Pipe Insulated		8,760		15
Income-Eligible Multi-Family	Pipe Insulated		8,766	IL TRM V.5	15
Income-Eligible Multi-Family	Low Flow Showerhead				10
Income-Eligible Multi-Family	Low Flow Showerhead		302	IL TRM V.5	10
Income-Eligible Multi-Family	Water Heater Tank Wrap		8,760		5
Income-Eligible Multi-Family	Smart Power Strip				5
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug		7,129	II TRM v5	5
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug		7,129	II TRM v5	5
Income-Eligible Multi-Family	LED Exit Sign		8,760		16
Income-Eligible Multi-Family	LED Exit Sign		8,766	II TRM v5	16
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)		3,088		15
Income-Eligible Multi-Family	Low Wattage T8 Lamp		3,088		10
Income-Eligible Multi-Family	LED Flood Light (<15W)		4,903		10
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)		4,903		10
Income-Eligible Multi-Family	Screw In - CFLs		3,088		5
Income-Eligible Multi-Family	Screw In - LEDs		3,088		25
Income-Eligible Multi-Family	Screw In - LEDs		3,088		25
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)	IL TRM v5	5,950	IL TRM v5	5

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<i>Measure Description</i>		<i>Efficiency Values</i>		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Income-Eligible Weatherization	Water Heater Tank Wrap	Water Heater Blanket/Tank Wrap		
Income-Eligible Weatherization	Smart Power Strip	Smart strip		
Income-Eligible Weatherization	Increased Ceiling Insulation	Final R-value	38	
Income-Eligible Weatherization	Increased Duct Insulation	CFM50	4500	
Income-Eligible Weatherization	Increased Wall Insulation	Final R-value	5	
Income-Eligible Multi-Family	Screw In - CFLs	CFL (watts)	14	
Income-Eligible Multi-Family	Screw In - LEDs	LED (watts)	11.3	
Income-Eligible Multi-Family	Screw In - LEDs	LED (watts)	9.0	
Income-Eligible Multi-Family	Screw In - LEDs	Screw In - LEDs	9.3	Program Tracking Data
Income-Eligible Multi-Family	Low Flow Faucet Aerator	Low Flow (GPM)	0.94	
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom	Low Flow (GPM)	1.5	Program Tracking Data
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen	Low Flow (GPM)	1.5	Program Tracking Data
Income-Eligible Multi-Family	Pipe Insulated	5 linear feet of insulation		
Income-Eligible Multi-Family	Pipe Insulated	Efficient R-Value due to added insulation	6	IL TRM v5
Income-Eligible Multi-Family	Low Flow Showerhead	Low Flow (GPM)	2.5	
Income-Eligible Multi-Family	Low Flow Showerhead	Low Flow (GPM)	1.5	EEP from ICF
Income-Eligible Multi-Family	Water Heater Tank Wrap	Water Heater Blanket/Tank Wrap		
Income-Eligible Multi-Family	Smart Power Strip	Smart strip		
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug	Smart strip		
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug	Smart strip		
Income-Eligible Multi-Family	LED Exit Sign	LED (watts)	2.0	
Income-Eligible Multi-Family	LED Exit Sign	LED (watts)	2.0	
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	High Bay - T5 >4 lamp	295.0	
Income-Eligible Multi-Family	Low Wattage T8 Lamp	Low Wattage T8 (watts)	22	
Income-Eligible Multi-Family	LED Flood Light (<15W)	LED (watts)	8.7	
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)	LED (watts)	8.7	
Income-Eligible Multi-Family	Screw In - CFLs	CFL (watts)	25	
Income-Eligible Multi-Family	Screw In - LEDs	LED (watts)	22.0	
Income-Eligible Multi-Family	Screw In - LEDs	LED (watts)	15.0	
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)	LED (watts)	9	

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Income-Eligible Weatherization	Water Heater Tank Wrap	No Blanket		
Income-Eligible Weatherization	Smart Power Strip	Standard outlet strip		
Income-Eligible Weatherization	Increased Ceiling Insulation	Previous R-value	5	
Income-Eligible Weatherization	Increased Duct Insulation	CFM50	4800	
Income-Eligible Weatherization	Increased Wall Insulation	Previous R-value	2	
Income-Eligible Multi-Family	Screw In - CFLs	EISA tier 1 compliant Halogen (watts)	43	
Income-Eligible Multi-Family	Screw In - LEDs	EISA tier 1 compliant Halogen (watts)	43	
Income-Eligible Multi-Family	Screw In - LEDs	EISA tier 1 compliant Halogen (watts)	43	
Income-Eligible Multi-Family	Screw In - LEDs	43 watts based on halogen equivalent to a	43	
Income-Eligible Multi-Family	Low Flow Faucet Aerator	Standard (GPM)	1.39	
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom	Standard (GPM)	2.2	Federal Bas
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen	Standard (GPM)	2.2	Federal Bas
Income-Eligible Multi-Family	Pipe Insulated	none		
Income-Eligible Multi-Family	Pipe Insulated	R-Value of bare pipe	1	IL TRM v5
Income-Eligible Multi-Family	Low Flow Showerhead	Standard (GPM)	4	
Income-Eligible Multi-Family	Low Flow Showerhead	Standard (GPM)	2.67	IL TRM v5
Income-Eligible Multi-Family	Water Heater Tank Wrap	No Blanket		
Income-Eligible Multi-Family	Smart Power Strip	Standard outlet strip		
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug	Standard outlet strip		
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug	Standard outlet strip		
Income-Eligible Multi-Family	LED Exit Sign	Fluorescent (watts)	11.0	
Income-Eligible Multi-Family	LED Exit Sign	Fluorescent (watts)	11.0	Illinois TRM
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	Metal Halide (watts)	456.0	
Income-Eligible Multi-Family	Low Wattage T8 Lamp	Standard T8 (watts)	28	
Income-Eligible Multi-Family	LED Flood Light (<15W)	Metal Halide (watts)	51.7	
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)	Metal Halide (watts)	51.7	
Income-Eligible Multi-Family	Screw In - CFLs	EISA tier 1 compliant Halogen (watts)	72	
Income-Eligible Multi-Family	Screw In - LEDs	EISA tier 1 compliant Halogen (watts)	72	
Income-Eligible Multi-Family	Screw In - LEDs	EISA tier 1 compliant Halogen (watts)	72	
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)	EISA tier 1 compliant Halogen (watts)	29	IL TRM v5

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Measure Description		Al
Program	Measure Name	Electric Energy Savings Algorithm
Income-Eligible Weatherization	Water Heater Tank Wrap	=ROUND(131.295784945569,4)
Income-Eligible Weatherization	Smart Power Strip	=ROUND(73.73,4)
Income-Eligible Weatherization	Increased Ceiling Insulation	=ROUND((1/W96-1/T96)*(AC96*AE96 + AD96*AH96),4)
Income-Eligible Weatherization	Increased Duct Insulation	=ROUND((W97-T97)*(AC97*AE97 + AD97*AH97),4)
Income-Eligible Weatherization	Increased Wall Insulation	=ROUND((1/W98-1/T98)*(AC98*AE98 + AD98*AH98),4)
Income-Eligible Multi-Family	Screw In - CFLs	=ROUND((W99-T99)/1000*P99*AE99,4)
Income-Eligible Multi-Family	Screw In - LEDs	=ROUND((W100-T100)/1000*P100*AE100,4)
Income-Eligible Multi-Family	Screw In - LEDs	=ROUND((W101-T101)/1000*P101*AE101,4)
Income-Eligible Multi-Family	Screw In - LEDs	=ROUND((\$W102-\$T102)/1000*\$P102*\$AE102*\$AK102,4)
Income-Eligible Multi-Family	Low Flow Faucet Aerator	=ROUND((W103-T103)*AE103*(AH103*365.25)*AK103,4)
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom	=ROUND(((W104-T104)*AH104*AK104*365.25)*AE104*AN104,4)
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen	=ROUND(((W105-T105)*AH105*AK105*365.25)*AE105*AN105,4)
Income-Eligible Multi-Family	Pipe Insulated	=ROUND(74.0356963418427,4)
Income-Eligible Multi-Family	Pipe Insulated	=ROUND((((AE107*PI)*AK107)/W107) - ((AH107*PI)*AK107)/T107)*AN107)/AQ107,4)
Income-Eligible Multi-Family	Low Flow Showerhead	=ROUND((W108-T108)*AE108*(AH108*365.25)*AK108,4)
Income-Eligible Multi-Family	Low Flow Showerhead	=ROUND(((W109-T109)*AH109*AK109*365.25)*AE109*AN109,4)
Income-Eligible Multi-Family	Water Heater Tank Wrap	=ROUND(131.295784945569,4)
Income-Eligible Multi-Family	Smart Power Strip	=ROUND(73.73,4)
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug	=ROUND(56.5,4)
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug	=ROUND(103,4)
Income-Eligible Multi-Family	LED Exit Sign	=ROUND((W114-T114)/1000*P114*AE114,4)
Income-Eligible Multi-Family	LED Exit Sign	=ROUND((W115-T115)/1000*P115*AE115,4)
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	=ROUND((W116-T116)/1000*P116*AE116,4)
Income-Eligible Multi-Family	Low Wattage T8 Lamp	=ROUND((W117-T117)/1000*P117*AE117,4)
Income-Eligible Multi-Family	LED Flood Light (<15W)	=ROUND((W118-T118)/1000*P118*AE118,4)
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)	=ROUND((\$W119-\$T119)/1000*\$P119*\$AE119*\$AK119,4)
Income-Eligible Multi-Family	Screw In - CFLs	=ROUND((W120-T120)/1000*P120*AE120,4)
Income-Eligible Multi-Family	Screw In - LEDs	=ROUND((W121-T121)/1000*P121*AE121,4)
Income-Eligible Multi-Family	Screw In - LEDs	=ROUND((W122-T122)/1000*P122*AE122,4)
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)	=ROUND((\$W123-\$T123)/1000*\$P123*\$AE123*\$AK123,4)

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Income-Eligible Weatherization	Water Heater Tank Wrap	=ROUND(0.0149881033042887,4)
Income-Eligible Weatherization	Smart Power Strip	=ROUND(0.00521,4)
Income-Eligible Weatherization	Increased Ceiling Insulation	=ROUND(0.000288861699126931,4)
Income-Eligible Weatherization	Increased Duct Insulation	=ROUND(0.117805292307692,4)
Income-Eligible Weatherization	Increased Wall Insulation	=ROUND(0.000402373334560975,4)
Income-Eligible Multi-Family	Screw In - CFLs	=ROUND(K99*L99,4)
Income-Eligible Multi-Family	Screw In - LEDs	=ROUND(K100*L100,4)
Income-Eligible Multi-Family	Screw In - LEDs	=ROUND(K101*L101,4)
Income-Eligible Multi-Family	Screw In - LEDs	=ROUND((\$W102-\$T102)/1000*L102*\$AH102*\$AK102,4)
Income-Eligible Multi-Family	Low Flow Faucet Aerator	=ROUND(0.00534857905112452,4)
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom	=ROUND((((W104-T104)*AH104*AK104*365.25)*AE104*AN104)/P104*L104,4)
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen	=ROUND((((W105-T105)*AH105*AK105*365.25)*AE105*AN105)/P105*L105,4)
Income-Eligible Multi-Family	Pipe Insulated	=ROUND(0.00845156350934278,4)
Income-Eligible Multi-Family	Pipe Insulated	=ROUND(I107/8766,4)
Income-Eligible Multi-Family	Low Flow Showerhead	=ROUND(0.0172646768755913,4)
Income-Eligible Multi-Family	Low Flow Showerhead	=ROUND((((W109-T109)*AH109*AK109*365.25)*AE109*AN109)/P109*L109,4)
Income-Eligible Multi-Family	Water Heater Tank Wrap	=ROUND(0.0149881033042887,4)
Income-Eligible Multi-Family	Smart Power Strip	=ROUND(0.00521,4)
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug	=ROUND(I112/P112*L112,4)
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug	=ROUND(I113/P113*L113,4)
Income-Eligible Multi-Family	LED Exit Sign	=ROUND(K114*L114,4)
Income-Eligible Multi-Family	LED Exit Sign	=ROUND(K115*L115,4)
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	=ROUND(K116*L116,4)
Income-Eligible Multi-Family	Low Wattage T8 Lamp	=ROUND(K117*L117,4)
Income-Eligible Multi-Family	LED Flood Light (<15W)	=ROUND(K118*L118,4)
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)	=ROUND((\$W119-\$T119)/1000*\$L119*\$AH119*\$AK119,4)
Income-Eligible Multi-Family	Screw In - CFLs	=ROUND(K120*L120,4)
Income-Eligible Multi-Family	Screw In - LEDs	=ROUND(K121*L121,4)
Income-Eligible Multi-Family	Screw In - LEDs	=ROUND(K122*L122,4)
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)	=ROUND((\$W123-\$T123)/1000*\$L123*\$AH123*\$AK123,4)

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[Link to CDD](#)

[Link to HDD](#)

<i>Measure Description</i>		<i>Start/End Dates</i>				
Program	Measure Name	Effective Start Date	Effective End Date	Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Income-Eligible Weatherization	Water Heater Tank Wrap	4/1/2016	1/31/2017			
Income-Eligible Weatherization	Smart Power Strip	4/1/2016	1/31/2017			
Income-Eligible Weatherization	Increased Ceiling Insulation	4/1/2016	1/31/2017	1325	5249	0.00046
Income-Eligible Weatherization	Increased Duct Insulation	4/1/2016	1/31/2017	1325	5249	0.00011
Income-Eligible Weatherization	Increased Wall Insulation	4/1/2016	1/31/2017	1325	5249	0.00037
Income-Eligible Multi-Family	Screw In - CFLs	4/1/2016	3/31/2018			1.04
Income-Eligible Multi-Family	Screw In - LEDs	4/1/2016	4/6/2017			1.04
Income-Eligible Multi-Family	Screw In - LEDs	4/7/2017	3/31/2018			1.04
Income-Eligible Multi-Family	Screw In - LEDs	4/1/2018				1.06
Income-Eligible Multi-Family	Low Flow Faucet Aerator	4/1/2016	3/31/2018			0.0919
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom	4/1/2018				0.0795
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen	4/1/2018				0.0969
Income-Eligible Multi-Family	Pipe Insulated	4/1/2016	3/31/2018			
Income-Eligible Multi-Family	Pipe Insulated	4/1/2018				0.0625
Income-Eligible Multi-Family	Low Flow Showerhead	4/1/2016	3/31/2018			0.0919
Income-Eligible Multi-Family	Low Flow Showerhead	4/1/2018				0.117
Income-Eligible Multi-Family	Water Heater Tank Wrap	4/1/2016				
Income-Eligible Multi-Family	Smart Power Strip	4/1/2016	3/31/2018			
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug	4/1/2018				
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug	4/1/2018				
Income-Eligible Multi-Family	LED Exit Sign	4/1/2016	3/31/2018			1.00
Income-Eligible Multi-Family	LED Exit Sign	4/1/2018				1.04
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	4/1/2016				1.41
Income-Eligible Multi-Family	Low Wattage T8 Lamp	4/1/2016				1.41
Income-Eligible Multi-Family	LED Flood Light (<15W)	4/1/2016	3/31/2018			1.00
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)	4/1/2018				1.04
Income-Eligible Multi-Family	Screw In - CFLs	4/1/2016	3/31/2018			1.41
Income-Eligible Multi-Family	Screw In - LEDs	4/1/2016	4/6/2017			1.41
Income-Eligible Multi-Family	Screw In - LEDs	4/7/2017	3/31/2018			1.41
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)	4/1/2018				1.04

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Income-Eligible Weatherization	Water Heater Tank Wrap			
Income-Eligible Weatherization	Smart Power Strip			
Income-Eligible Weatherization	Increased Ceiling Insulation	Cooling Coefficient		0.00046
Income-Eligible Weatherization	Increased Duct Insulation	Cooling Coefficient		0.00011
Income-Eligible Weatherization	Increased Wall Insulation	Cooling Coefficient		0.00037
Income-Eligible Multi-Family	Screw In - CFLs	Waste Heat Factor		
Income-Eligible Multi-Family	Screw In - LEDs	Waste Heat Factor		
Income-Eligible Multi-Family	Screw In - LEDs	Waste Heat Factor		
Income-Eligible Multi-Family	Screw In - LEDs	Waste Heat Factor, Energy	IL TRM v5	1.11
Income-Eligible Multi-Family	Low Flow Faucet Aerator	kWh per gallon hot water		2.24
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom	kWh per gallon hot water, bath		0.96
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen	kWh per gallon hot water, kitch		3.375
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Pipe Insulated	Dbase = Pipe Diameter (ft)	IL TRM v5	0.229166667
Income-Eligible Multi-Family	Low Flow Showerhead	kWh per gallon hot water		3.75
Income-Eligible Multi-Family	Low Flow Showerhead	kWh per gallon hot water	IL TRM v5	2.61
Income-Eligible Multi-Family	Water Heater Tank Wrap			
Income-Eligible Multi-Family	Smart Power Strip			
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug			
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug			
Income-Eligible Multi-Family	LED Exit Sign	Waste Heat Factor		1.00
Income-Eligible Multi-Family	LED Exit Sign	Waste Heat Factor (energy)	IL TRM v5	1.07
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	Waste Heat Factor		1.34
Income-Eligible Multi-Family	Low Wattage T8 Lamp	Waste Heat Factor		1.34
Income-Eligible Multi-Family	LED Flood Light (<15W)	Waste Heat Factor		1.00
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)	Waste Heat Factor (energy)	IL TRM v5	1.07
Income-Eligible Multi-Family	Screw In - CFLs	Waste Heat Factor		1.34
Income-Eligible Multi-Family	Screw In - LEDs	Waste Heat Factor		1.34
Income-Eligible Multi-Family	Screw In - LEDs	Waste Heat Factor		1.34
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)	Waste Heat Factor (energy)	IL TRM v5	1.07

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Income-Eligible Weatherization	Water Heater Tank Wrap			
Income-Eligible Weatherization	Smart Power Strip			
Income-Eligible Weatherization	Increased Ceiling Insulation	Heating Coefficient		
Income-Eligible Weatherization	Increased Duct Insulation	Heating Coefficient		
Income-Eligible Weatherization	Increased Wall Insulation	Heating Coefficient		
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs	Waste Heat Factor, Demand	IL TRM v5	94.20%
Income-Eligible Multi-Family	Low Flow Faucet Aerator	Minutes per person per day		1.25
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom	Faucet Coefficient, Bathroom: Minute	IL TRM v5	2.10
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen	Faucet Coefficient, Kitchen	IL TRM v5	2.10
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Pipe Insulated	Dee = Updated Pipe Diameter, c	IL TRM v5	6
Income-Eligible Multi-Family	Low Flow Showerhead	Minutes per person per day		1.25
Income-Eligible Multi-Family	Low Flow Showerhead	Showerhead Coefficient: Minute	IL TRM v5	2.10
Income-Eligible Multi-Family	Water Heater Tank Wrap			
Income-Eligible Multi-Family	Smart Power Strip			
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug			
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug			
Income-Eligible Multi-Family	LED Exit Sign	Waste Heat Factor		
Income-Eligible Multi-Family	LED Exit Sign	Waste Heat Factor (demand)		
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	Waste Heat Factor		
Income-Eligible Multi-Family	Low Wattage T8 Lamp	Waste Heat Factor		
Income-Eligible Multi-Family	LED Flood Light (<15W)	Waste Heat Factor		
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)	Waste Heat Factor (demand)	IL TRM v5	0.969
Income-Eligible Multi-Family	Screw In - CFLs	Waste Heat Factor		
Income-Eligible Multi-Family	Screw In - LEDs	Waste Heat Factor		
Income-Eligible Multi-Family	Screw In - LEDs	Waste Heat Factor		
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)	Waste Heat Factor (demand)	IL TRM v5	0.969

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Income-Eligible Weatherization	Water Heater Tank Wrap			
Income-Eligible Weatherization	Smart Power Strip			
Income-Eligible Weatherization	Increased Ceiling Insulation			
Income-Eligible Weatherization	Increased Duct Insulation			
Income-Eligible Weatherization	Increased Wall Insulation			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs	ISR	Navigant MEEIA Cycle 1 Research	
Income-Eligible Multi-Family	Low Flow Faucet Aerator	Persons per household		
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom	Persons per household	IL TRM v5	95%
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen	Persons per household	IL TRM v5	91%
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Pipe Insulated	Length of added pipe insulation		525960
Income-Eligible Multi-Family	Low Flow Showerhead	Persons per household		
Income-Eligible Multi-Family	Low Flow Showerhead	Persons per household	IL TRM v5	95%
Income-Eligible Multi-Family	Water Heater Tank Wrap			
Income-Eligible Multi-Family	Smart Power Strip			
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug			
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Income-Eligible Multi-Family	Low Wattage T8 Lamp			
Income-Eligible Multi-Family	LED Flood Light (<15W)			
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)	ISR	IL TRM v5	
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)	ISR	IL TRM v5	

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Income-Eligible Weatherization	Water Heater Tank Wrap			
Income-Eligible Weatherization	Smart Power Strip			
Income-Eligible Weatherization	Increased Ceiling Insulation			
Income-Eligible Weatherization	Increased Duct Insulation			
Income-Eligible Weatherization	Increased Wall Insulation			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Low Flow Faucet Aerator			
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom	Installation Rate	IL TRM v5	
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen	Installation Rate	IL TRM v5	
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Pipe Insulated	Pipe Insulated Coefficient 1 = Δ	IL TRM v5	98%
Income-Eligible Multi-Family	Low Flow Showerhead			
Income-Eligible Multi-Family	Low Flow Showerhead	Installation Rate	IL TRM v5	
Income-Eligible Multi-Family	Water Heater Tank Wrap			
Income-Eligible Multi-Family	Smart Power Strip			
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug			
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Income-Eligible Multi-Family	Low Wattage T8 Lamp			
Income-Eligible Multi-Family	LED Flood Light (<15W)			
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)			

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<i>Measure Description</i>		<i>Quantities</i>		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Income-Eligible Weatherization	Water Heater Tank Wrap			
Income-Eligible Weatherization	Smart Power Strip			
Income-Eligible Weatherization	Increased Ceiling Insulation			
Income-Eligible Weatherization	Increased Duct Insulation			
Income-Eligible Weatherization	Increased Wall Insulation			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Low Flow Faucet Aerator			
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom			
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen			
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Pipe Insulated	Recovery efficiency of electric w	IL TRM v5	
Income-Eligible Multi-Family	Low Flow Showerhead			
Income-Eligible Multi-Family	Low Flow Showerhead			
Income-Eligible Multi-Family	Water Heater Tank Wrap			
Income-Eligible Multi-Family	Smart Power Strip			
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug			
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Income-Eligible Multi-Family	Low Wattage T8 Lamp			
Income-Eligible Multi-Family	LED Flood Light (<15W)			
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Income-Eligible Weatherization	Water Heater Tank Wrap			
Income-Eligible Weatherization	Smart Power Strip			
Income-Eligible Weatherization	Increased Ceiling Insulation			
Income-Eligible Weatherization	Increased Duct Insulation			
Income-Eligible Weatherization	Increased Wall Insulation			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Low Flow Faucet Aerator			
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom			
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen			
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Low Flow Showerhead			
Income-Eligible Multi-Family	Low Flow Showerhead			
Income-Eligible Multi-Family	Water Heater Tank Wrap			
Income-Eligible Multi-Family	Smart Power Strip			
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug			
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Income-Eligible Multi-Family	Low Wattage T8 Lamp			
Income-Eligible Multi-Family	LED Flood Light (<15W)			
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Income-Eligible Weatherization	Water Heater Tank Wrap			
Income-Eligible Weatherization	Smart Power Strip			
Income-Eligible Weatherization	Increased Ceiling Insulation			
Income-Eligible Weatherization	Increased Duct Insulation			
Income-Eligible Weatherization	Increased Wall Insulation			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Low Flow Faucet Aerator			
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom			
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen			
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Low Flow Showerhead			
Income-Eligible Multi-Family	Low Flow Showerhead			
Income-Eligible Multi-Family	Water Heater Tank Wrap			
Income-Eligible Multi-Family	Smart Power Strip			
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug			
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Income-Eligible Multi-Family	Low Wattage T8 Lamp			
Income-Eligible Multi-Family	LED Flood Light (<15W)			
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Income-Eligible Weatherization	Water Heater Tank Wrap			
Income-Eligible Weatherization	Smart Power Strip			
Income-Eligible Weatherization	Increased Ceiling Insulation			
Income-Eligible Weatherization	Increased Duct Insulation			
Income-Eligible Weatherization	Increased Wall Insulation			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Low Flow Faucet Aerator			
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom			
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen			
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Low Flow Showerhead			
Income-Eligible Multi-Family	Low Flow Showerhead			
Income-Eligible Multi-Family	Water Heater Tank Wrap			
Income-Eligible Multi-Family	Smart Power Strip			
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug			
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Income-Eligible Multi-Family	Low Wattage T8 Lamp			
Income-Eligible Multi-Family	LED Flood Light (<15W)			
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Income-Eligible Weatherization	Water Heater Tank Wrap			
Income-Eligible Weatherization	Smart Power Strip			
Income-Eligible Weatherization	Increased Ceiling Insulation			
Income-Eligible Weatherization	Increased Duct Insulation			
Income-Eligible Weatherization	Increased Wall Insulation			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Low Flow Faucet Aerator			
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom			
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen			
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Pipe Insulated			
Income-Eligible Multi-Family	Low Flow Showerhead			
Income-Eligible Multi-Family	Low Flow Showerhead			
Income-Eligible Multi-Family	Water Heater Tank Wrap			
Income-Eligible Multi-Family	Smart Power Strip			
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug			
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	LED Exit Sign			
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Income-Eligible Multi-Family	Low Wattage T8 Lamp			
Income-Eligible Multi-Family	LED Flood Light (<15W)			
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)			
Income-Eligible Multi-Family	Screw In - CFLs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs			
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Income-Eligible Weatherization	Water Heater Tank Wrap		
Income-Eligible Weatherization	Smart Power Strip		
Income-Eligible Weatherization	Increased Ceiling Insulation		
Income-Eligible Weatherization	Increased Duct Insulation		
Income-Eligible Weatherization	Increased Wall Insulation		
Income-Eligible Multi-Family	Screw In - CFLs		
Income-Eligible Multi-Family	Screw In - LEDs		
Income-Eligible Multi-Family	Screw In - LEDs		
Income-Eligible Multi-Family	Screw In - LEDs		
Income-Eligible Multi-Family	Low Flow Faucet Aerator		
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Bathroom		
Income-Eligible Multi-Family	Low Flow Faucet Aerator-Kitchen		
Income-Eligible Multi-Family	Pipe Insulated		
Income-Eligible Multi-Family	Pipe Insulated		
Income-Eligible Multi-Family	Low Flow Showerhead		
Income-Eligible Multi-Family	Low Flow Showerhead		
Income-Eligible Multi-Family	Water Heater Tank Wrap		
Income-Eligible Multi-Family	Smart Power Strip		
Income-Eligible Multi-Family	Smart Power Strip - Wh5-Plug		
Income-Eligible Multi-Family	Smart Power Strip - Wh7-Plug		
Income-Eligible Multi-Family	LED Exit Sign		
Income-Eligible Multi-Family	LED Exit Sign		
Income-Eligible Multi-Family	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)		
Income-Eligible Multi-Family	Low Wattage T8 Lamp		
Income-Eligible Multi-Family	LED Flood Light (<15W)		
Income-Eligible Multi-Family	LED Flood Light (<15W) (Exterior)		
Income-Eligible Multi-Family	Screw In - CFLs		
Income-Eligible Multi-Family	Screw In - LEDs		
Income-Eligible Multi-Family	Screw In - LEDs		
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Interior)		

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Measure Description					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)	250	Multi-Family	Lighting	Common Area
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat	65	All	HVAC	
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat	66	All	HVAC	
Small Business Direct Install	Photocell Occupancy Sensor	67	Small C&I	Lighting	
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls	67.1	Small C&I	Lighting	
Small Business Direct Install	LED Exit Sign	68	Small C&I	Lighting	
Small Business Direct Install	LED Exit Sign	68.1	Small C&I	Lighting	
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	69	Small C&I	Lighting	
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	69.1	Small C&I	Lighting	
Small Business Direct Install	Directional LED Bulb (>=15W)	70	Small C&I	Lighting	
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp	70.1	Small C&I	Lighting	
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System	72	Small C&I	Lighting	
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system	72.1	Small C&I	Lighting	
Business Standard	Heat Pump Water Heater	74	All	Hot Water	
Business Standard	Low Flow Faucet Aerator	75	All	Hot Water	
Business Standard	Low Flow Faucet Aerator Kitchen	251	All	Hot Water	Kitchen
Business Standard	Low Flow Faucet Aerator Bathroom	252	All	Hot Water	Bathroom
Business Standard	Pipe Wrap/Insulation	76	All	Hot Water	
Business Standard	Pre-Rinse Spray Valves	77	All	Hot Water	
Business Standard	Pre-Rinse Spray Valves Small	253	All	Hot Water	Small, quick- servi
Business Standard	Pre-Rinse Spray Valves Medium	254	All	Hot Water	Medium-sized cas
Business Standard	Pre-Rinse Spray Valves Large	255	All	Hot Water	Large institutional
Business Standard	High Efficiency Pool Pump	78	All	Pools	
Business Standard	Pool Pump VSD	79	All	Pools	
Business Standard	ENERGY STAR Beverage Machine	81	All	Refrigeration	
Business Standard	ENERGY STAR Beverage Machine without software	256	All	Refrigeration	kWh savings per r
Business Standard	ENERGY STAR Beverage Machine with software	257	All	Refrigeration	kWh savings per r
Business Standard	High Efficiency Reach-In Refrigerator/Freezer	82	All	Refrigeration	
Business Standard	High Efficiency Reach-In Refrigerator	258	All	Refrigeration	No unique savings

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<i>Measure Description</i>					
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)	per lamp	\$3.93	98.8209	
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat	per unit	\$350.00	462.0000	
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat	per unit	\$350.00	462.0000	
Small Business Direct Install	Photocell Occupancy Sensor	per sensor	\$66.00	692.6340	
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls	per sensor	\$66.00	692.6340	
Small Business Direct Install	LED Exit Sign	per lamp	\$30.00	78.8400	
Small Business Direct Install	LED Exit Sign	per lamp	\$30.00	55.6972	IL TRM V.5 & Navig
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	per fixture	\$100.00	701.0069	
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	per fixture	\$100.00	701.0069	
Small Business Direct Install	Directional LED Bulb (>=15W)	per lamp	\$50.00	230.7662	
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp	per lamp	\$50.00	230.7662	
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System	per lamp	\$12.00	121.9142	
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system	per lamp	\$12.00	121.9142	
Business Standard	Heat Pump Water Heater	per unit	\$1,000.00	1,993.0800	
Business Standard	Low Flow Faucet Aerator	per unit	\$8.35	131.0300	
Business Standard	Low Flow Faucet Aerator Kitchen	per unit	\$8.35	89.0640	IL TRM V.5
Business Standard	Low Flow Faucet Aerator Bathroom	per unit	\$8.35	155.6274	IL TRM V.5
Business Standard	Pipe Wrap/Insulation	per unit	\$47.17	224.0000	
Business Standard	Pre-Rinse Spray Valves	per unit	\$100.00	2,670.7000	
Business Standard	Pre-Rinse Spray Valves Small	per unit	\$100.00	2,769.6198	IL TRM V.5
Business Standard	Pre-Rinse Spray Valves Medium	per unit	\$100.00	4,154.4296	IL TRM V.5
Business Standard	Pre-Rinse Spray Valves Large	per unit	\$100.00	8,308.8593	IL TRM V.5
Business Standard	High Efficiency Pool Pump	per unit	\$273.32	1,301.2478	
Business Standard	Pool Pump VSD	per unit	\$579.00	2,461.4482	
Business Standard	ENERGY STAR Beverage Machine	per unit	\$140.00	1,752.0000	
Business Standard	ENERGY STAR Beverage Machine without software	per unit	\$500.00	1,310.0000	IL TRM V.5
Business Standard	ENERGY STAR Beverage Machine with software	per unit	\$500.00	1,842.0000	IL TRM V.5
Business Standard	High Efficiency Reach-In Refrigerator/Freezer	per unit	\$262.85	3,025.8700	
Business Standard	High Efficiency Reach-In Refrigerator	per unit	\$164.00	286.7213	IL TRM V.5. Assume

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Measure Description		Gross Measure Values			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)	0.020	0.0%	IL TRM v5	0.0000
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat				1.2600
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat				1.2600
Small Business Direct Install	Photocell Occupancy Sensor	0.213	66%		0.1407
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls	0.213	66%		0.1407
Small Business Direct Install	LED Exit Sign	0.009	100%		0.0090
Small Business Direct Install	LED Exit Sign	0.007	93%	Navigant field v	0.0067
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	0.216	66%		0.1424
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	0.216	66%		0.1424
Small Business Direct Install	Directional LED Bulb (>=15W)	0.071	66%		0.0469
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp	0.071	66%		0.0469
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System	0.038	66%		0.0248
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system	0.038	66%		0.0248
Business Standard	Heat Pump Water Heater		12%		0.2976
Business Standard	Low Flow Faucet Aerator		1%		0.1957
Business Standard	Low Flow Faucet Aerator Kitchen		1.02%	Illinois TRM V.5	0.0219
Business Standard	Low Flow Faucet Aerator Bathroom		1.02%	Illinois TRM V.5	0.0383
Business Standard	Pipe Wrap/Insulation	0.026			0.2780
Business Standard	Pre-Rinse Spray Valves				0.0000
Business Standard	Pre-Rinse Spray Valves Small				0.0000
Business Standard	Pre-Rinse Spray Valves Medium				0.0000
Business Standard	Pre-Rinse Spray Valves Large				0.0000
Business Standard	High Efficiency Pool Pump		100%		0.1485
Business Standard	Pool Pump VSD		100%		0.2810
Business Standard	ENERGY STAR Beverage Machine				0.1161
Business Standard	ENERGY STAR Beverage Machine without software				0.0000
Business Standard	ENERGY STAR Beverage Machine with software				0.0000
Business Standard	High Efficiency Reach-In Refrigerator/Freezer				0.1294
Business Standard	High Efficiency Reach-In Refrigerator	es 15 ft^3 of actua	93.7%	IL TRM V.5	0.0306

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<i>Measure Description</i>					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)	IL TRM v5	4,903	IL TRM v5	5
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat				10
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat				10
Small Business Direct Install	Photocell Occupancy Sensor		3,088		8
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls		3,088		8
Small Business Direct Install	LED Exit Sign		8,760		16
Small Business Direct Install	LED Exit Sign	IL TRM V.5 & Naviga	7,706	Navigant field wo	16
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)		3,088		15
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture		3,088		15
Small Business Direct Install	Directional LED Bulb (>=15W)		3,088		11
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp		3,088		11
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System		3,088		11
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system		3,088		11
Business Standard	Heat Pump Water Heater		2,533		10
Business Standard	Low Flow Faucet Aerator				9
Business Standard	Low Flow Faucet Aerator Kitchen	IL TRM V.5			9
Business Standard	Low Flow Faucet Aerator Bathroom	IL TRM V.5			9
Business Standard	Pipe Wrap/Insulation		8,760		6
Business Standard	Pre-Rinse Spray Valves				5
Business Standard	Pre-Rinse Spray Valves Small				5
Business Standard	Pre-Rinse Spray Valves Medium				5
Business Standard	Pre-Rinse Spray Valves Large				5
Business Standard	High Efficiency Pool Pump				10
Business Standard	Pool Pump VSD				10
Business Standard	ENERGY STAR Beverage Machine		8,760		14
Business Standard	ENERGY STAR Beverage Machine without software	IL TRM V.5			14
Business Standard	ENERGY STAR Beverage Machine with software	IL TRM V.5			14
Business Standard	High Efficiency Reach-In Refrigerator/Freezer				12
Business Standard	High Efficiency Reach-In Refrigerator	IL TRM V.5	8,766	IL TRM v5	12

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<i>Measure Description</i>		<i>Efficiency Values</i>		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)	LED (watts)	9	
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat	PCT		
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat	PCT		
Small Business Direct Install	Photocell Occupancy Sensor	Photocell Occupancy Sensor	587	
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls	Photocell Occupancy Sensor	587	
Small Business Direct Install	LED Exit Sign	LED (watts)	2.0	
Small Business Direct Install	LED Exit Sign	LED (watts)	2.0	IL TRM V.5 & Navigan
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	High Bay T5 (>4 lamps, wattage)	295.0	
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	High Bay T5 (>4 lamps, wattage)	295.0	
Small Business Direct Install	Directional LED Bulb (>=15W)	LED (watts)	22.0	
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp	LED (watts)	22.0	
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System	Remove T8	0	
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system	Remove T8	0	
Business Standard	Heat Pump Water Heater	Efficient EF	2.00	
Business Standard	Low Flow Faucet Aerator	Low Flow (GPM)	0.94	
Business Standard	Low Flow Faucet Aerator Kitchen	Low Flow (GPM)	1.41	Illinois TRM V.5.
Business Standard	Low Flow Faucet Aerator Bathroom	Low Flow (GPM)	0.94	Illinois TRM V.5.
Business Standard	Pipe Wrap/Insulation	5 linear feet of insulation		
Business Standard	Pre-Rinse Spray Valves	Low Flow (GPM)	1.06	
Business Standard	Pre-Rinse Spray Valves Small	Low Flow (GPM)	1.06	IL TRM V.5
Business Standard	Pre-Rinse Spray Valves Medium	Low Flow (GPM)	1.06	IL TRM V.5
Business Standard	Pre-Rinse Spray Valves Large	Low Flow (GPM)	1.06	IL TRM V.5
Business Standard	High Efficiency Pool Pump	High Efficiency		
Business Standard	Pool Pump VSD	VSD		
Business Standard	ENERGY STAR Beverage Machine	Efficient Operating Watts	200	
Business Standard	ENERGY STAR Beverage Machine without software	Efficient Operating Watts		
Business Standard	ENERGY STAR Beverage Machine with software	Efficient Operating Watts		
Business Standard	High Efficiency Reach-In Refrigerator/Freezer	High Efficiency kWh/day	2.76	
Business Standard	High Efficiency Reach-In Refrigerator	High Efficiency kWh/day	2.755	IL TRM V.5

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)	EISA tier 1 compliant Halogen (watts)	29	IL TRM v5
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat	No PCT		
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat	No PCT		
Small Business Direct Install	Photocell Occupancy Sensor	No Control		
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls	No Control		
Small Business Direct Install	LED Exit Sign	Fluorescent (watts)	11.0	
Small Business Direct Install	LED Exit Sign	Fluorescent (watts)	7.7	IL TRM V.5
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	Metal Halide (watts)	456.0	
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	Metal Halide (watts)	456.0	
Small Business Direct Install	Directional LED Bulb (>=15W)	Incandescent (watts)	75.0	
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp	Incandescent (watts)	75.0	
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System	T8 4 ft (watts)	28	
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system	T8 4 ft (watts)	28	
Business Standard	Heat Pump Water Heater	Baseline EF	0.95	
Business Standard	Low Flow Faucet Aerator	Standard (GPM)	1.39	
Business Standard	Low Flow Faucet Aerator Kitchen	Standard (GPM)	1.826	https://www
Business Standard	Low Flow Faucet Aerator Bathroom	Standard (GPM)	1.826	United State
Business Standard	Pipe Wrap/Insulation	none		
Business Standard	Pre-Rinse Spray Valves	Standard (GPM)	1.9	
Business Standard	Pre-Rinse Spray Valves Small	Standard (GPM)	1.9	IL TRM V.5
Business Standard	Pre-Rinse Spray Valves Medium	Standard (GPM)	1.9	IL TRM V.5
Business Standard	Pre-Rinse Spray Valves Large	Standard (GPM)	1.9	IL TRM V.5
Business Standard	High Efficiency Pool Pump	Standard Pool Pump		
Business Standard	Pool Pump VSD	Standard Pool Pump		
Business Standard	ENERGY STAR Beverage Machine	Watts Base	400	
Business Standard	ENERGY STAR Beverage Machine without software	Watts Base		
Business Standard	ENERGY STAR Beverage Machine with software	Watts Base		
Business Standard	High Efficiency Reach-In Refrigerator/Freezer	Standard kWh/day	3.54	
Business Standard	High Efficiency Reach-In Refrigerator	Standard kWh/day	3.54	IL TRM V.5

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Measure Description		A
Program	Measure Name	Electric Energy Savings Algorithm
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)	=ROUND(((\$W124-\$T124)/1000*\$P124*\$AE124*\$AK124,4)
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat	=ROUND(462,4)
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat	=ROUND(462,4)
Small Business Direct Install	Photocell Occupancy Sensor	=ROUND(T127/1000*AK127*P127*AE127,4)
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls	=ROUND(T128/1000*AK128*P128*AE128,4)
Small Business Direct Install	LED Exit Sign	=ROUND((W129-T129)/1000*P129*AE129,4)
Small Business Direct Install	LED Exit Sign	=ROUND((W130-T130)/1000*P130*AE130*AK130,4)
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	=ROUND((W131-T131)/1000*P131*AE131,4)
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	=ROUND((W132-T132)/1000*P132*AE132,4)
Small Business Direct Install	Directional LED Bulb (>=15W)	=ROUND((W133-T133)/1000*P133*AE133,4)
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp	=ROUND((W134-T134)/1000*P134*AE134,4)
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System	=ROUND((W135-T135)/1000*P135*AE135,4)
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system	=ROUND((W136-T136)/1000*P136*AE136,4)
Business Standard	Heat Pump Water Heater	=ROUND(((1/W137-1/T137)*AH137*AE137*365.25),4)
Business Standard	Low Flow Faucet Aerator	=ROUND((W138-T138)*AE138*(AH138*365.25),4)
Business Standard	Low Flow Faucet Aerator Kitchen	=ROUND(1*(W139-T139)/W139*AE139*AH139*AK139,4)
Business Standard	Low Flow Faucet Aerator Bathroom	=ROUND(1*(W140-T140)/W140*AE140*AH140*AK140,4)
Business Standard	Pipe Wrap/Insulation	=ROUND(224,4)
Business Standard	Pre-Rinse Spray Valves	=ROUND((W142-T142)*AE142*(AH142*365.25),4)
Business Standard	Pre-Rinse Spray Valves Small	=ROUND((W143-T143)*60*AK143*312*8.33*1*AE143*1/AH143/3413*1,4)
Business Standard	Pre-Rinse Spray Valves Medium	=ROUND((W144-T144)*60*AK144*312*8.33*1*AE144*1/AH144/3413*1,4)
Business Standard	Pre-Rinse Spray Valves Large	=ROUND((W145-T145)*60*AK145*312*8.33*1*AE145*1/AH145/3413*1,4)
Business Standard	High Efficiency Pool Pump	=ROUND(1301.24777183601,4)
Business Standard	Pool Pump VSD	=ROUND(2461.44821213111,4)
Business Standard	ENERGY STAR Beverage Machine	=ROUND((W148-T148)/1000*P148,4)
Business Standard	ENERGY STAR Beverage Machine without software	=ROUND(1310,4)
Business Standard	ENERGY STAR Beverage Machine with software	=ROUND(1842,4)
Business Standard	High Efficiency Reach-In Refrigerator/Freezer	=ROUND((W151-T151)*365.25*AE151,4)
Business Standard	High Efficiency Reach-In Refrigerator	=ROUND((W152-T152)*365.25,4)

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)	=ROUND(((\$W124-\$T124)/1000*\$L124*\$AH124*\$AK124,4)
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat	=ROUND(1.26,4)
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat	=ROUND(1.26,4)
Small Business Direct Install	Photocell Occupancy Sensor	=ROUND(K127*L127,4)
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls	=ROUND(K128*L128,4)
Small Business Direct Install	LED Exit Sign	=ROUND(K129*L129,4)
Small Business Direct Install	LED Exit Sign	=ROUND(K130*L130,4)
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	=ROUND(K131*L131,4)
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	=ROUND(K132*L132,4)
Small Business Direct Install	Directional LED Bulb (>=15W)	=ROUND(K133*L133,4)
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp	=ROUND(K134*L134,4)
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System	=ROUND(K135*L135,4)
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system	=ROUND(K136*L136,4)
Business Standard	Heat Pump Water Heater	=ROUND(0.297621384273147,4)
Business Standard	Low Flow Faucet Aerator	=ROUND(0.195702907561222,4)
Business Standard	Low Flow Faucet Aerator Kitchen	=ROUND(I139/AN139*L139,4)
Business Standard	Low Flow Faucet Aerator Bathroom	=ROUND(I140/AN140*L140,4)
Business Standard	Pipe Wrap/Insulation	=ROUND(0.2779713001086,4)
Business Standard	Pre-Rinse Spray Valves	=ROUND(0,4)
Business Standard	Pre-Rinse Spray Valves Small	=ROUND(0,4)
Business Standard	Pre-Rinse Spray Valves Medium	=ROUND(0,4)
Business Standard	Pre-Rinse Spray Valves Large	=ROUND(0,4)
Business Standard	High Efficiency Pool Pump	=ROUND(0.148544266191325,4)
Business Standard	Pool Pump VSD	=ROUND(0.280987238827752,4)
Business Standard	ENERGY STAR Beverage Machine	=ROUND(0.116132420091324,4)
Business Standard	ENERGY STAR Beverage Machine without software	=ROUND(0,4)
Business Standard	ENERGY STAR Beverage Machine with software	=ROUND(0,4)
Business Standard	High Efficiency Reach-In Refrigerator/Freezer	=ROUND(0.1293921875,4)
Business Standard	High Efficiency Reach-In Refrigerator	=ROUND(I152/P152*L152,4)

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[Link to CDD](#)

[Link to HDD](#)

Measure Description		Start/End Dates				
Program	Measure Name	Effective Start Date	Effective End Date	Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)	4/1/2018				1.04
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat	4/1/2016				
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat	4/1/2016				
Small Business Direct Install	Photocell Occupancy Sensor	4/1/2016	4/6/2017			1.41
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls	4/7/2017				1.41
Small Business Direct Install	LED Exit Sign	4/1/2016	3/31/2018			1.00
Small Business Direct Install	LED Exit Sign	4/1/2018				1.29
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	4/1/2016	4/6/2017			1.41
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	4/7/2017				1.41
Small Business Direct Install	Directional LED Bulb (>=15W)	4/1/2016	4/6/2017			1.41
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp	4/7/2017				1.41
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System	4/1/2016	4/6/2017			1.41
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system	4/7/2017				1.41
Business Standard	Heat Pump Water Heater	4/1/2016				55
Business Standard	Low Flow Faucet Aerator	4/1/2016	3/31/2018			0.0919
Business Standard	Low Flow Faucet Aerator Kitchen	4/1/2018				4,247
Business Standard	Low Flow Faucet Aerator Bathroom	4/1/2018				4,247
Business Standard	Pipe Wrap/Insulation	4/1/2016				
Business Standard	Pre-Rinse Spray Valves	4/1/2016	3/31/2018			0.0919
Business Standard	Pre-Rinse Spray Valves Small	4/1/2018				70
Business Standard	Pre-Rinse Spray Valves Medium	4/1/2018				70
Business Standard	Pre-Rinse Spray Valves Large	4/1/2018				70
Business Standard	High Efficiency Pool Pump	4/1/2016				
Business Standard	Pool Pump VSD	4/1/2016				
Business Standard	ENERGY STAR Beverage Machine	4/1/2016	3/31/2018			
Business Standard	ENERGY STAR Beverage Machine without software	4/1/2018				
Business Standard	ENERGY STAR Beverage Machine with software	4/1/2018				
Business Standard	High Efficiency Reach-In Refrigerator/Freezer	4/1/2016	3/31/2018			10.62
Business Standard	High Efficiency Reach-In Refrigerator	4/1/2018				

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)	Waste Heat Factor (energy)	IL TRM v5	1.07
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Small Business Direct Install	Photocell Occupancy Sensor	Waste Heat Factor		1.34
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls	Waste Heat Factor		1.34
Small Business Direct Install	LED Exit Sign	Waste Heat Factor		1.00
Small Business Direct Install	LED Exit Sign	Waste Heat Factor for energy	Navigant field work	1.29
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	Waste Heat Factor		1.34
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	Waste Heat Factor		1.34
Small Business Direct Install	Directional LED Bulb (>=15W)	Waste Heat Factor		1.34
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp	Waste Heat Factor		1.34
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System	Waste Heat Factor		1.34
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system	Waste Heat Factor		1.34
Business Standard	Heat Pump Water Heater	gallons used per day		0.180
Business Standard	Low Flow Faucet Aerator	kWh per gallon hot water		8.67
Business Standard	Low Flow Faucet Aerator Kitchen	Usage - Estimated usage of mixed	IL TRM V.5	0.0969
Business Standard	Low Flow Faucet Aerator Bathroom	Usage - Estimated usage of mixed	IL TRM V.5	0.0795
Business Standard	Pipe Wrap/Insulation			
Business Standard	Pre-Rinse Spray Valves	kWh per gallon hot water		94.72
Business Standard	Pre-Rinse Spray Valves Small	Temp difference between water	IL TRM V.5	0.97
Business Standard	Pre-Rinse Spray Valves Medium	Temp difference between water	IL TRM V.5	0.97
Business Standard	Pre-Rinse Spray Valves Large	Temp difference between water	IL TRM V.5	0.97
Business Standard	High Efficiency Pool Pump			
Business Standard	Pool Pump VSD			
Business Standard	ENERGY STAR Beverage Machine			
Business Standard	ENERGY STAR Beverage Machine without software			
Business Standard	ENERGY STAR Beverage Machine with software			
Business Standard	High Efficiency Reach-In Refrigerator/Freezer	Refrigerated Volume (cu ft)		
Business Standard	High Efficiency Reach-In Refrigerator			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)	Waste Heat Factor (demand)	IL TRM v5	0.969
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Small Business Direct Install	Photocell Occupancy Sensor	Waste Heat Factor		27%
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls	Waste Heat Factor		27%
Small Business Direct Install	LED Exit Sign	Waste Heat Factor		
Small Business Direct Install	LED Exit Sign	Waste Heat Factor for demand	Navigant field work	99%
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	Waste Heat Factor		
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	Waste Heat Factor		
Small Business Direct Install	Directional LED Bulb (>=15W)	Waste Heat Factor		
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp	Waste Heat Factor		
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System	Waste Heat Factor		
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system	Waste Heat Factor		
Business Standard	Heat Pump Water Heater	Water Heating Coefficient		
Business Standard	Low Flow Faucet Aerator	gallons per day		
Business Standard	Low Flow Faucet Aerator Kitchen	EPG_electric - Energy per gallon	IL TRM V.5	0.95
Business Standard	Low Flow Faucet Aerator Bathroom	EPG_electric - Energy per gallon	IL TRM V.5	0.95
Business Standard	Pipe Wrap/Insulation			
Business Standard	Pre-Rinse Spray Valves	gallons per day		
Business Standard	Pre-Rinse Spray Valves Small	EFF_Elec - Efficiency of electric	IL TRM V.5	1
Business Standard	Pre-Rinse Spray Valves Medium	EFF_Elec - Efficiency of electric	IL TRM V.5	1.5
Business Standard	Pre-Rinse Spray Valves Large	EFF_Elec - Efficiency of electric	IL TRM V.5	3
Business Standard	High Efficiency Pool Pump			
Business Standard	Pool Pump VSD			
Business Standard	ENERGY STAR Beverage Machine			
Business Standard	ENERGY STAR Beverage Machine without software			
Business Standard	ENERGY STAR Beverage Machine with software			
Business Standard	High Efficiency Reach-In Refrigerator/Freezer			
Business Standard	High Efficiency Reach-In Refrigerator			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)	ISR	IL TRM v5	
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Small Business Direct Install	Photocell Occupancy Sensor	ESF		
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls	ESF		
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	LED Exit Sign	ISR - in service rate	Navigant field work	
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Directional LED Bulb (>=15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp			
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System			
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Heat Pump Water Heater			
Business Standard	Low Flow Faucet Aerator			
Business Standard	Low Flow Faucet Aerator Kitchen	ISR - in service rate	IL TRM V.5	41
Business Standard	Low Flow Faucet Aerator Bathroom	ISR - in service rate	IL TRM V.5	41
Business Standard	Pipe Wrap/Insulation			
Business Standard	Pre-Rinse Spray Valves			
Business Standard	Pre-Rinse Spray Valves Small	Hours per day that the pre-rinse	IL TRM V.5	
Business Standard	Pre-Rinse Spray Valves Medium	Hours per day that the pre-rinse	IL TRM V.5	
Business Standard	Pre-Rinse Spray Valves Large	Hours per day that the pre-rinse	IL TRM V.5	
Business Standard	High Efficiency Pool Pump			
Business Standard	Pool Pump VSD			
Business Standard	ENERGY STAR Beverage Machine			
Business Standard	ENERGY STAR Beverage Machine without software			
Business Standard	ENERGY STAR Beverage Machine with software			
Business Standard	High Efficiency Reach-In Refrigerator/Freezer			
Business Standard	High Efficiency Reach-In Refrigerator			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)			
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Small Business Direct Install	Photocell Occupancy Sensor			
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls			
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Directional LED Bulb (>=15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp			
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System			
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Heat Pump Water Heater			
Business Standard	Low Flow Faucet Aerator			
Business Standard	Low Flow Faucet Aerator Kitchen	Annual Recovery Hours - Annual		
Business Standard	Low Flow Faucet Aerator Bathroom	Annual Recovery Hours - Annual		
Business Standard	Pipe Wrap/Insulation			
Business Standard	Pre-Rinse Spray Valves			
Business Standard	Pre-Rinse Spray Valves Small			
Business Standard	Pre-Rinse Spray Valves Medium			
Business Standard	Pre-Rinse Spray Valves Large			
Business Standard	High Efficiency Pool Pump			
Business Standard	Pool Pump VSD			
Business Standard	ENERGY STAR Beverage Machine			
Business Standard	ENERGY STAR Beverage Machine without software			
Business Standard	ENERGY STAR Beverage Machine with software			
Business Standard	High Efficiency Reach-In Refrigerator/Freezer			
Business Standard	High Efficiency Reach-In Refrigerator			

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<i>Measure Description</i>		<i>Quantities</i>		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)			
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Small Business Direct Install	Photocell Occupancy Sensor			
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls			
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Directional LED Bulb (>=15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp			
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System			
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Heat Pump Water Heater			
Business Standard	Low Flow Faucet Aerator			
Business Standard	Low Flow Faucet Aerator Kitchen			
Business Standard	Low Flow Faucet Aerator Bathroom			
Business Standard	Pipe Wrap/Insulation			
Business Standard	Pre-Rinse Spray Valves			
Business Standard	Pre-Rinse Spray Valves Small			
Business Standard	Pre-Rinse Spray Valves Medium			
Business Standard	Pre-Rinse Spray Valves Large			
Business Standard	High Efficiency Pool Pump			
Business Standard	Pool Pump VSD			
Business Standard	ENERGY STAR Beverage Machine			
Business Standard	ENERGY STAR Beverage Machine without software			
Business Standard	ENERGY STAR Beverage Machine with software			
Business Standard	High Efficiency Reach-In Refrigerator/Freezer			
Business Standard	High Efficiency Reach-In Refrigerator			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)			
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Small Business Direct Install	Photocell Occupancy Sensor			
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls			
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Directional LED Bulb (>=15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp			
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System			
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Heat Pump Water Heater			
Business Standard	Low Flow Faucet Aerator			
Business Standard	Low Flow Faucet Aerator Kitchen			
Business Standard	Low Flow Faucet Aerator Bathroom			
Business Standard	Pipe Wrap/Insulation			
Business Standard	Pre-Rinse Spray Valves			
Business Standard	Pre-Rinse Spray Valves Small			
Business Standard	Pre-Rinse Spray Valves Medium			
Business Standard	Pre-Rinse Spray Valves Large			
Business Standard	High Efficiency Pool Pump			
Business Standard	Pool Pump VSD			
Business Standard	ENERGY STAR Beverage Machine			
Business Standard	ENERGY STAR Beverage Machine without software			
Business Standard	ENERGY STAR Beverage Machine with software			
Business Standard	High Efficiency Reach-In Refrigerator/Freezer			
Business Standard	High Efficiency Reach-In Refrigerator			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)			
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Small Business Direct Install	Photocell Occupancy Sensor			
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls			
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Directional LED Bulb (>=15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp			
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System			
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Heat Pump Water Heater			
Business Standard	Low Flow Faucet Aerator			
Business Standard	Low Flow Faucet Aerator Kitchen			
Business Standard	Low Flow Faucet Aerator Bathroom			
Business Standard	Pipe Wrap/Insulation			
Business Standard	Pre-Rinse Spray Valves			
Business Standard	Pre-Rinse Spray Valves Small			
Business Standard	Pre-Rinse Spray Valves Medium			
Business Standard	Pre-Rinse Spray Valves Large			
Business Standard	High Efficiency Pool Pump			
Business Standard	Pool Pump VSD			
Business Standard	ENERGY STAR Beverage Machine			
Business Standard	ENERGY STAR Beverage Machine without software			
Business Standard	ENERGY STAR Beverage Machine with software			
Business Standard	High Efficiency Reach-In Refrigerator/Freezer			
Business Standard	High Efficiency Reach-In Refrigerator			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)			
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Small Business Direct Install	Photocell Occupancy Sensor			
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls			
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Directional LED Bulb (>=15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp			
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System			
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Heat Pump Water Heater			
Business Standard	Low Flow Faucet Aerator			
Business Standard	Low Flow Faucet Aerator Kitchen			
Business Standard	Low Flow Faucet Aerator Bathroom			
Business Standard	Pipe Wrap/Insulation			
Business Standard	Pre-Rinse Spray Valves			
Business Standard	Pre-Rinse Spray Valves Small			
Business Standard	Pre-Rinse Spray Valves Medium			
Business Standard	Pre-Rinse Spray Valves Large			
Business Standard	High Efficiency Pool Pump			
Business Standard	Pool Pump VSD			
Business Standard	ENERGY STAR Beverage Machine			
Business Standard	ENERGY STAR Beverage Machine without software			
Business Standard	ENERGY STAR Beverage Machine with software			
Business Standard	High Efficiency Reach-In Refrigerator/Freezer			
Business Standard	High Efficiency Reach-In Refrigerator			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)			
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat			
Small Business Direct Install	Photocell Occupancy Sensor			
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls			
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	LED Exit Sign			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Directional LED Bulb (>=15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp			
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System			
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Heat Pump Water Heater			
Business Standard	Low Flow Faucet Aerator			
Business Standard	Low Flow Faucet Aerator Kitchen			
Business Standard	Low Flow Faucet Aerator Bathroom			
Business Standard	Pipe Wrap/Insulation			
Business Standard	Pre-Rinse Spray Valves			
Business Standard	Pre-Rinse Spray Valves Small			
Business Standard	Pre-Rinse Spray Valves Medium			
Business Standard	Pre-Rinse Spray Valves Large			
Business Standard	High Efficiency Pool Pump			
Business Standard	Pool Pump VSD			
Business Standard	ENERGY STAR Beverage Machine			
Business Standard	ENERGY STAR Beverage Machine without software			
Business Standard	ENERGY STAR Beverage Machine with software			
Business Standard	High Efficiency Reach-In Refrigerator/Freezer			
Business Standard	High Efficiency Reach-In Refrigerator			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Income-Eligible Multi-Family	Screw In - LEDs - Common Area (Exterior)		
Residential Programmable Thermostat	Advanced Programmable Communicating Thermostat		
Business Programmable Thermostat	Advanced Programmable Communicating Thermostat		
Small Business Direct Install	Photocell Occupancy Sensor		
Small Business Direct Install	Interior Daylighting Controls Replacing No Controls		
Small Business Direct Install	LED Exit Sign		
Small Business Direct Install	LED Exit Sign		
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)		
Small Business Direct Install	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture		
Small Business Direct Install	Directional LED Bulb (>=15W)		
Small Business Direct Install	Interior Directional LED Lamp replacing 71-110W Lamp		
Small Business Direct Install	Lighting Optimization - Remove 4ft Lamp from T8 System		
Small Business Direct Install	Remove 4ft Lamp from T8 or T12 system		
Business Standard	Heat Pump Water Heater		
Business Standard	Low Flow Faucet Aerator		
Business Standard	Low Flow Faucet Aerator Kitchen		
Business Standard	Low Flow Faucet Aerator Bathroom		
Business Standard	Pipe Wrap/Insulation		
Business Standard	Pre-Rinse Spray Valves		
Business Standard	Pre-Rinse Spray Valves Small		
Business Standard	Pre-Rinse Spray Valves Medium		
Business Standard	Pre-Rinse Spray Valves Large		
Business Standard	High Efficiency Pool Pump		
Business Standard	Pool Pump VSD		
Business Standard	ENERGY STAR Beverage Machine		
Business Standard	ENERGY STAR Beverage Machine without software		
Business Standard	ENERGY STAR Beverage Machine with software		
Business Standard	High Efficiency Reach-In Refrigerator/Freezer		
Business Standard	High Efficiency Reach-In Refrigerator		

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Measure Description					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Business Standard	High Efficiency Reach-In Freezer	259	All	Refrigeration	No unique savings
Business Standard	Strip Curtains	83	All	Refrigeration	
Business Standard	Strip Curtains Freezer	260	All	Refrigeration	per freezer with c
Business Standard	Strip Curtains Cooler	261	All	Refrigeration	per cooler with cu
Business Standard	LED Refrigerator Case Light	84	All	Refrigeration	
Business Standard	LED Refrigerator Case Light	84.1	All	Refrigeration	
Business Standard	ECM Motors Walk-In Coolers & Freezers	85	All	Refrigeration	
Business Standard	High Efficiency PTAC/PTHP	86	All	HVAC	
Business Standard	Programmable Thermostat Controls	87	All	HVAC	
Business Standard	Air Source Heat Pump <65 kBtuh	88	All	HVAC	
Business Standard	Air Source Heat Pump 65<135 kBtuh	89	All	HVAC	
Business Standard	Air Sourced Air Conditioner <65 kBtuh	90	All	HVAC	
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh	91	All	HVAC	
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh	92	All	HVAC	
Business Standard	Air Sourced Air Conditioner >240 kBtuh	93	All	HVAC	
Business Standard	Directional LED Bulb (<15W)	96	All	Lighting	
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	96.1	All	Lighting	
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	96.2	All	Lighting	
Business Standard	Directional LED Bulb (>=15W)	97	All	Lighting	
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	97.1	All	Lighting	
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	97.2	All	Lighting	
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)	98	All	Lighting	
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	98.1	All	Lighting	
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)	99	All	Lighting	
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	100	All	Lighting	
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	100.1	All	Lighting	
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	101	All	Lighting	
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	101.1	All	Lighting	

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		<i>Measure Description</i>				
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source	
Business Standard	High Efficiency Reach-In Freezer	per unit	\$166.00	869.2950	IL TRM V.5. Assume	
Business Standard	Strip Curtains	per unit	\$286.16	1,698.0000		
Business Standard	Strip Curtains Freezer	per unit	\$286.16	2,974.0000	IL TRM V.5	
Business Standard	Strip Curtains Cooler	per unit	\$286.16	422.0000	IL TRM V.5	
Business Standard	LED Refrigerator Case Light	per unit	\$133.00	373.5410		
Business Standard	LED Refrigerator Case Light	per unit	\$133.00	224.9713	IL TRM V.5	
Business Standard	ECM Motors Walk-In Coolers & Freezers	per unit	\$50.00	401.0000		
Business Standard	High Efficiency PTAC/PTHP	per ton	\$12.26	30.0701		
Business Standard	Programmable Thermostat Controls	per ton	\$5.90	126.0527		
Business Standard	Air Source Heat Pump <65 kBtuh	per ton	\$120.00	157.6937		
Business Standard	Air Source Heat Pump 65<135 kBtuh	per ton	\$100.00	91.3304		
Business Standard	Air Sourced Air Conditioner <65 kBtuh	per ton	\$120.00	81.5600		
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh	per ton	\$100.00	56.6389		
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh	per ton	\$100.00	80.7362		
Business Standard	Air Sourced Air Conditioner >240 kBtuh	per ton	\$100.00	70.6853		
Business Standard	Directional LED Bulb (<15W)	per lamp	\$40.00	143.6846		
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	per lamp	\$40.00	143.6846		
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	per lamp	\$40.00	223.6691	IL TRM v5	
Business Standard	Directional LED Bulb (>=15W)	per lamp	\$50.00	230.7662		
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	per lamp	\$50.00	230.7662		
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	per lamp	\$50.00	306.5272	IL TRM v5	
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)	per fixture	\$200.00	1,084.1659		
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	per fixture	\$200.00	1,084.1659		
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)	per fixture	\$225.00	648.7579		
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	per fixture	\$100.00	701.0069		
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	per fixture	\$100.00	701.0069		
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	per fixture	\$100.00	404.9294		
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	per fixture	\$100.00	404.9294		

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Measure Description		Gross Measure Values			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Business Standard	High Efficiency Reach-In Freezer	0.15	93.7%	IL TRM V.5	0.0929
Business Standard	Strip Curtains		100%		0.1950
Business Standard	Strip Curtains Freezer		100%		0.3400
Business Standard	Strip Curtains Cooler		100%		0.0500
Business Standard	LED Refrigerator Case Light	0.060	90%		0.0542
Business Standard	LED Refrigerator Case Light	0.039	69%	IL TRM V.5	0.0268
Business Standard	ECM Motors Walk-In Coolers & Freezers		100%		0.0420
Business Standard	High Efficiency PTAC/PTHP		91%		0.0118
Business Standard	Programmable Thermostat Controls				0.0000
Business Standard	Air Source Heat Pump <65 kBtuh		91%		0.1941
Business Standard	Air Source Heat Pump 65<135 kBtuh	0.112	91%		0.1241
Business Standard	Air Sourced Air Conditioner <65 kBtuh	0.082	91%		0.0659
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh	0.057	81%		0.0458
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh	0.081	81%		0.0653
Business Standard	Air Sourced Air Conditioner >240 kBtuh	0.071	81%		0.0571
Business Standard	Directional LED Bulb (<15W)	0.044	66%		0.0292
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	0.044	66%		0.0292
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	0.069	62%	IL TRM v5	0.0426
Business Standard	Directional LED Bulb (>=15W)	0.071	66%		0.0469
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	0.071	66%		0.0469
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	0.094	62%	IL TRM v5	0.0584
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)	0.334	66%		0.2202
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	0.334	66%		0.2202
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)	0.200	66%		0.1318
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	0.216	66%		0.1424
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	0.216	66%		0.1424
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	0.125	66%		0.0822
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	0.125	66%		0.0822

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		<i>Measure Description</i>			
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Business Standard	High Efficiency Reach-In Freezer	IL TRM V.5	8,766	IL TRM v5	12
Business Standard	Strip Curtains				6
Business Standard	Strip Curtains Freezer	IL TRM V.5			6
Business Standard	Strip Curtains Cooler	IL TRM V.5			6
Business Standard	LED Refrigerator Case Light		6,205		10
Business Standard	LED Refrigerator Case Light	IL TRM V.5	5,802	IL TRM V.5	10
Business Standard	ECM Motors Walk-In Coolers & Freezers				15
Business Standard	High Efficiency PTAC/PTHP				15
Business Standard	Programmable Thermostat Controls				8
Business Standard	Air Source Heat Pump <65 kBtuh		816		15
Business Standard	Air Source Heat Pump 65<135 kBtuh		816		15
Business Standard	Air Sourced Air Conditioner <65 kBtuh		1,000		15
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh		1,000		15
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh		1,000		15
Business Standard	Air Sourced Air Conditioner >240 kBtuh		1,000		15
Business Standard	Directional LED Bulb (<15W)		3,088		11
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp		3,088		11
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	IL TRM v5	3,088	IL TRM v5	11
Business Standard	Directional LED Bulb (>=15W)		3,088		11
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp		3,088		11
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	IL TRM v5	3,088	IL TRM v5	11
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)		3,088		15
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture		3,088		15
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)		3,088		15
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)		3,088		15
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture		3,088		15
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)		3,088		15
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture		3,088		15

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Measure Description		Efficiency Values		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Business Standard	High Efficiency Reach-In Freezer	High Efficiency kWh/day	5	IL TRM V.5
Business Standard	Strip Curtains	Strip Curtain		
Business Standard	Strip Curtains Freezer	Strip Curtain		
Business Standard	Strip Curtains Cooler	Strip Curtain		
Business Standard	LED Refrigerator Case Light	LED Display Lighting (watts)	38	
Business Standard	LED Refrigerator Case Light	LED Display Lighting (watts)	30.4	IL TRM V.5 Assume 4
Business Standard	ECM Motors Walk-In Coolers & Freezers	ECM Motor		
Business Standard	High Efficiency PTAC/PTHP	EER	12	
Business Standard	Programmable Thermostat Controls	Programmable Tstat		
Business Standard	Air Source Heat Pump <65 kBtuh	SEER	14	
Business Standard	Air Source Heat Pump 65<135 kBtuh	SEER	14	
Business Standard	Air Sourced Air Conditioner <65 kBtuh	EER	14	
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh	EER	11.7	
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh	EER	11.7	
Business Standard	Air Sourced Air Conditioner >240 kBtuh	EER	10.5	
Business Standard	Directional LED Bulb (<15W)	LED (watts)	12.0	
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	LED (watts)	12.0	
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	LED (watts)	13.6	IL TRM v5
Business Standard	Directional LED Bulb (>=15W)	LED (watts)	22.0	
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	LED (watts)	22.0	
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	LED (watts)	19.6	IL TRM v5
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)	High Bay T8 (>4 lamps, wattage)	206.0	
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	High Bay T8 (>4 lamps, wattage)	206.0	
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)	High Bay T8 (<=4 lamps, wattage)	146.0	
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	High Bay T5 (>4 lamps, wattage)	295.0	
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	High Bay T5 (>4 lamps, wattage)	295.0	
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	High Bay T5 (<=4 lamps, wattage)	117.0	
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	High Bay T5 (<=4 lamps, wattage)	117.0	

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Business Standard	High Efficiency Reach-In Freezer	Standard kWh/day	7.38	IL TRM V.5
Business Standard	Strip Curtains	none		
Business Standard	Strip Curtains Freezer	No strip curtain		
Business Standard	Strip Curtains Cooler	No strip curtain		
Business Standard	LED Refrigerator Case Light	Base Refrigeration - Standard (watts)	81	
Business Standard	LED Refrigerator Case Light	Base Refrigeration - Standard (watts)	60.8	IL TRM V.5.
Business Standard	ECM Motors Walk-In Coolers & Freezers	Standard Motor		
Business Standard	High Efficiency PTAC/PTHP	EER	10.2	
Business Standard	Programmable Thermostat Controls	No Tstat		
Business Standard	Air Source Heat Pump <65 kBtuh	SEER	13	
Business Standard	Air Source Heat Pump 65<135 kBtuh	SEER	13	
Business Standard	Air Sourced Air Conditioner <65 kBtuh	EER	13	
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh	EER	11.2	
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh	EER	11	
Business Standard	Air Sourced Air Conditioner >240 kBtuh	EER	10	
Business Standard	Directional LED Bulb (<15W)	Incandescent (watts)	45.0	
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	Incandescent (watts)	45.0	
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	Incandescent (watts)	65.0	IL TRM v5
Business Standard	Directional LED Bulb (>=15W)	Incandescent (watts)	75.0	
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	Incandescent (watts)	75.0	
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	Incandescent (watts)	90.0	IL TRM v5
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)	Metal Halide (watts)	455.0	
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	Metal Halide (watts)	455.0	
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)	Metal Halide (watts)	295.0	
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	Metal Halide (watts)	456.0	
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	Metal Halide (watts)	456.0	
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	Metal Halide (watts)	210.0	
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	Metal Halide (watts)	210.0	

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Measure Description		A
Program	Measure Name	Electric Energy Savings Algorithm
Business Standard	High Efficiency Reach-In Freezer	=ROUND((W153-T153)*365.25,4)
Business Standard	Strip Curtains	=ROUND(1698,4)
Business Standard	Strip Curtains Freezer	=ROUND(2974,4)
Business Standard	Strip Curtains Cooler	=ROUND(422,4)
Business Standard	LED Refrigerator Case Light	=ROUND((W157-T157)/1000*P157*(1+AE157),4)
Business Standard	LED Refrigerator Case Light	=ROUND((W158-T158)/1000*P158*AE158*AK158,4)
Business Standard	ECM Motors Walk-In Coolers & Freezers	=ROUND(401,4)
Business Standard	High Efficiency PTAC/PTHP	=ROUND(((1/W160-1/T160)*AC160 + AK160*AD160)*AE160/AH160,4)
Business Standard	Programmable Thermostat Controls	=ROUND(126.052734375,4)
Business Standard	Air Source Heat Pump <65 kBtuh	=ROUND(((1/W162-1/T162)*AC162 + AK162*AD162)*AE162/AH162,4)
Business Standard	Air Source Heat Pump 65<135 kBtuh	=ROUND(((1/W163-1/T163)*AC163 + AK163*AD163)*AE163/AH163,4)
Business Standard	Air Sourced Air Conditioner <65 kBtuh	=ROUND((1/W164-1/T164)*AC164*AE164/AH164,4)
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh	=ROUND((1/W165-1/T165)*AC165*AE165/AH165,4)
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh	=ROUND((1/W166-1/T166)*AC166*AE166/AH166,4)
Business Standard	Air Sourced Air Conditioner >240 kBtuh	=ROUND((1/W167-1/T167)*AC167*AE167/AH167,4)
Business Standard	Directional LED Bulb (<15W)	=ROUND((W168-T168)/1000*P168*AE168,4)
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	=ROUND((W169-T169)/1000*P169*AE169,4)
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	=ROUND((W170-T170)/1000*P170*AE170,4)
Business Standard	Directional LED Bulb (>=15W)	=ROUND((W171-T171)/1000*P171*AE171,4)
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	=ROUND((W172-T172)/1000*P172*AE172,4)
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	=ROUND((W173-T173)/1000*P173*AE173,4)
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)	=ROUND((W174-T174)/1000*P174*AE174,4)
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	=ROUND((W175-T175)/1000*P175*AE175,4)
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)	=ROUND((W176-T176)/1000*P176*AE176,4)
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	=ROUND((W177-T177)/1000*P177*AE177,4)
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	=ROUND((W178-T178)/1000*P178*AE178,4)
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	=ROUND((W179-T179)/1000*P179*AE179,4)
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	=ROUND((W180-T180)/1000*P180*AE180,4)

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Business Standard	High Efficiency Reach-In Freezer	=ROUND(I153/P153*L153,4)
Business Standard	Strip Curtains	=ROUND(0.195,4)
Business Standard	Strip Curtains Freezer	=ROUND(0.34,4)
Business Standard	Strip Curtains Cooler	=ROUND(0.05,4)
Business Standard	LED Refrigerator Case Light	=ROUND(K157*L157,4)
Business Standard	LED Refrigerator Case Light	=ROUND(K158*L158,4)
Business Standard	ECM Motors Walk-In Coolers & Freezers	=ROUND(0.042,4)
Business Standard	High Efficiency PTAC/PTHP	=ROUND(0.0118300668666732,4)
Business Standard	Programmable Thermostat Controls	=ROUND(0,4)
Business Standard	Air Source Heat Pump <65 kBtuh	=ROUND(0.194113768584357,4)
Business Standard	Air Source Heat Pump 65<135 kBtuh	=ROUND(0.124089536699636,4)
Business Standard	Air Sourced Air Conditioner <65 kBtuh	=ROUND(0.065934065934066,4)
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh	=ROUND(0.0457875457875458,4)
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh	=ROUND(0.0652680652680653,4)
Business Standard	Air Sourced Air Conditioner >240 kBtuh	=ROUND(0.0571428571428573,4)
Business Standard	Directional LED Bulb (<15W)	=ROUND(K168*L168,4)
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	=ROUND(K169*L169,4)
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	=ROUND(K170*L170,4)
Business Standard	Directional LED Bulb (>=15W)	=ROUND(K171*L171,4)
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	=ROUND(K172*L172,4)
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	=ROUND(K173*L173,4)
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)	=ROUND(K174*L174,4)
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	=ROUND(K175*L175,4)
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)	=ROUND(K176*L176,4)
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	=ROUND(K177*L177,4)
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	=ROUND(K178*L178,4)
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	=ROUND(K179*L179,4)
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	=ROUND(K180*L180,4)

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[Link to CDD](#)

[Link to HDD](#)

Measure Description		Start/End Dates				
Program	Measure Name	Effective Start Date	Effective End Date	Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Business Standard	High Efficiency Reach-In Freezer	4/1/2018				
Business Standard	Strip Curtains	4/1/2016	3/31/2018			10.62
Business Standard	Strip Curtains Freezer	4/1/2018				
Business Standard	Strip Curtains Cooler	4/1/2018				
Business Standard	LED Refrigerator Case Light	4/1/2016	3/31/2018			40%
Business Standard	LED Refrigerator Case Light	4/1/2018				1.29
Business Standard	ECM Motors Walk-In Coolers & Freezers	4/1/2016				
Business Standard	High Efficiency PTAC/PTHP	4/1/2016		1325	5249	12,000
Business Standard	Programmable Thermostat Controls	4/1/2016				
Business Standard	Air Source Heat Pump <65 kBtuh	4/1/2016		1325	5249	12,000
Business Standard	Air Source Heat Pump 65<135 kBtuh	4/1/2016		1325	5249	12,000
Business Standard	Air Sourced Air Conditioner <65 kBtuh	4/1/2016		1325	5249	12,000
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh	4/1/2016		1325	5249	12,000
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh	4/1/2016		1325	5249	12,000
Business Standard	Air Sourced Air Conditioner >240 kBtuh	4/1/2016		1325	5249	12,000
Business Standard	Directional LED Bulb (<15W)	4/1/2016	4/6/2017			1.41
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	4/7/2017	3/31/2018			1.41
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	4/1/2018				1.41
Business Standard	Directional LED Bulb (>=15W)	4/1/2016	4/6/2017			1.41
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	4/7/2017	3/31/2018			1.41
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	4/1/2018				1.41
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)	4/1/2016	4/6/2017			1.41
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	4/7/2017				1.41
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)	4/1/2016				1.41
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	4/1/2016	4/6/2017			1.41
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	4/7/2017				1.41
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	4/1/2016	4/6/2017			1.41
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	4/7/2017				1.41

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Business Standard	High Efficiency Reach-In Freezer			
Business Standard	Strip Curtains	Refrigerated Volume (cu ft)		
Business Standard	Strip Curtains Freezer			
Business Standard	Strip Curtains Cooler			
Business Standard	LED Refrigerator Case Light	Savings Factor		
Business Standard	LED Refrigerator Case Light	Waste Heat Factor for Energy	IL TRM V.5	1.29
Business Standard	ECM Motors Walk-In Coolers & Freezers			
Business Standard	High Efficiency PTAC/PTHP	Btu/hr		11,536
Business Standard	Programmable Thermostat Controls			
Business Standard	Air Source Heat Pump <65 kBtuh	Btu/hr		2,194
Business Standard	Air Source Heat Pump 65<135 kBtuh	Btu/hr		2,194
Business Standard	Air Sourced Air Conditioner <65 kBtuh	Btu/hr		1,071
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh	Btu/hr		1,071
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh	Btu/hr		1,071
Business Standard	Air Sourced Air Conditioner >240 kBtuh	Btu/hr		1,071
Business Standard	Directional LED Bulb (<15W)	Waste Heat Factor		1.34
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	Waste Heat Factor		1.34
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	Waste Heat Factor Energy	IL TRM v5	1.34
Business Standard	Directional LED Bulb (>=15W)	Waste Heat Factor		1.34
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	Waste Heat Factor		1.34
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	Waste Heat Factor Energy	IL TRM v5	1.34
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)	Waste Heat Factor		1.34
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	Waste Heat Factor		1.34
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)	Waste Heat Factor		1.34
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	Waste Heat Factor		1.34
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	Waste Heat Factor		1.34
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	Waste Heat Factor		1.34
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	Waste Heat Factor		1.34

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Business Standard	High Efficiency Reach-In Freezer			
Business Standard	Strip Curtains			
Business Standard	Strip Curtains Freezer			
Business Standard	Strip Curtains Cooler			
Business Standard	LED Refrigerator Case Light			
Business Standard	LED Refrigerator Case Light	Waste Heat Factor for Demand	IL TRM V.5	0.98874926
Business Standard	ECM Motors Walk-In Coolers & Freezers			
Business Standard	High Efficiency PTAC/PTHP	Coefficient		0.001794835
Business Standard	Programmable Thermostat Controls			
Business Standard	Air Source Heat Pump <65 kBtuh	Coefficient		0.00410683
Business Standard	Air Source Heat Pump 65<135 kBtuh	Coefficient		0.001794835
Business Standard	Air Sourced Air Conditioner <65 kBtuh	Coefficient		
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh	Coefficient		
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh	Coefficient		
Business Standard	Air Sourced Air Conditioner >240 kBtuh	Coefficient		
Business Standard	Directional LED Bulb (<15W)	Waste Heat Factor		
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	Waste Heat Factor		
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp	Waste Heat Factor Demand	IL TRM v5	
Business Standard	Directional LED Bulb (>=15W)	Waste Heat Factor		
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	Waste Heat Factor		
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp	Waste Heat Factor Demand	IL TRM v5	
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)	Waste Heat Factor		
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	Waste Heat Factor		
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)	Waste Heat Factor		
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)	Waste Heat Factor		
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	Waste Heat Factor		
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	Waste Heat Factor		
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	Waste Heat Factor		

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Business Standard	High Efficiency Reach-In Freezer			
Business Standard	Strip Curtains			
Business Standard	Strip Curtains Freezer			
Business Standard	Strip Curtains Cooler			
Business Standard	LED Refrigerator Case Light			
Business Standard	LED Refrigerator Case Light	ISR	Navigant field work	
Business Standard	ECM Motors Walk-In Coolers & Freezers			
Business Standard	High Efficiency PTAC/PTHP	HSPF improvement factor		
Business Standard	Programmable Thermostat Controls			
Business Standard	Air Source Heat Pump <65 kBtuh	HSPF improvement factor		
Business Standard	Air Source Heat Pump 65<135 kBtuh	HSPF improvement factor		
Business Standard	Air Sourced Air Conditioner <65 kBtuh			
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh			
Business Standard	Air Sourced Air Conditioner >240 kBtuh			
Business Standard	Directional LED Bulb (<15W)			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Directional LED Bulb (>=15W)			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Business Standard	High Efficiency Reach-In Freezer			
Business Standard	Strip Curtains			
Business Standard	Strip Curtains Freezer			
Business Standard	Strip Curtains Cooler			
Business Standard	LED Refrigerator Case Light			
Business Standard	LED Refrigerator Case Light			
Business Standard	ECM Motors Walk-In Coolers & Freezers			
Business Standard	High Efficiency PTAC/PTHP			
Business Standard	Programmable Thermostat Controls			
Business Standard	Air Source Heat Pump <65 kBtuh			
Business Standard	Air Source Heat Pump 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner <65 kBtuh			
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh			
Business Standard	Air Sourced Air Conditioner >240 kBtuh			
Business Standard	Directional LED Bulb (<15W)			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Directional LED Bulb (>=15W)			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			

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<i>Measure Description</i>		<i>Quantities</i>		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Business Standard	High Efficiency Reach-In Freezer			
Business Standard	Strip Curtains			
Business Standard	Strip Curtains Freezer			
Business Standard	Strip Curtains Cooler			
Business Standard	LED Refrigerator Case Light			
Business Standard	LED Refrigerator Case Light			
Business Standard	ECM Motors Walk-In Coolers & Freezers			
Business Standard	High Efficiency PTAC/PTHP			
Business Standard	Programmable Thermostat Controls			
Business Standard	Air Source Heat Pump <65 kBtuh			
Business Standard	Air Source Heat Pump 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner <65 kBtuh			
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh			
Business Standard	Air Sourced Air Conditioner >240 kBtuh			
Business Standard	Directional LED Bulb (<15W)			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Directional LED Bulb (>=15W)			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Business Standard	High Efficiency Reach-In Freezer			
Business Standard	Strip Curtains			
Business Standard	Strip Curtains Freezer			
Business Standard	Strip Curtains Cooler			
Business Standard	LED Refrigerator Case Light			
Business Standard	LED Refrigerator Case Light			
Business Standard	ECM Motors Walk-In Coolers & Freezers			
Business Standard	High Efficiency PTAC/PTHP			
Business Standard	Programmable Thermostat Controls			
Business Standard	Air Source Heat Pump <65 kBtuh			
Business Standard	Air Source Heat Pump 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner <65 kBtuh			
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh			
Business Standard	Air Sourced Air Conditioner >240 kBtuh			
Business Standard	Directional LED Bulb (<15W)			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Directional LED Bulb (>=15W)			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Business Standard	High Efficiency Reach-In Freezer			
Business Standard	Strip Curtains			
Business Standard	Strip Curtains Freezer			
Business Standard	Strip Curtains Cooler			
Business Standard	LED Refrigerator Case Light			
Business Standard	LED Refrigerator Case Light			
Business Standard	ECM Motors Walk-In Coolers & Freezers			
Business Standard	High Efficiency PTAC/PTHP			
Business Standard	Programmable Thermostat Controls			
Business Standard	Air Source Heat Pump <65 kBtuh			
Business Standard	Air Source Heat Pump 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner <65 kBtuh			
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh			
Business Standard	Air Sourced Air Conditioner >240 kBtuh			
Business Standard	Directional LED Bulb (<15W)			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Directional LED Bulb (>=15W)			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Business Standard	High Efficiency Reach-In Freezer			
Business Standard	Strip Curtains			
Business Standard	Strip Curtains Freezer			
Business Standard	Strip Curtains Cooler			
Business Standard	LED Refrigerator Case Light			
Business Standard	LED Refrigerator Case Light			
Business Standard	ECM Motors Walk-In Coolers & Freezers			
Business Standard	High Efficiency PTAC/PTHP			
Business Standard	Programmable Thermostat Controls			
Business Standard	Air Source Heat Pump <65 kBtuh			
Business Standard	Air Source Heat Pump 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner <65 kBtuh			
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh			
Business Standard	Air Sourced Air Conditioner >240 kBtuh			
Business Standard	Directional LED Bulb (<15W)			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Directional LED Bulb (>=15W)			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Business Standard	High Efficiency Reach-In Freezer			
Business Standard	Strip Curtains			
Business Standard	Strip Curtains Freezer			
Business Standard	Strip Curtains Cooler			
Business Standard	LED Refrigerator Case Light			
Business Standard	LED Refrigerator Case Light			
Business Standard	ECM Motors Walk-In Coolers & Freezers			
Business Standard	High Efficiency PTAC/PTHP			
Business Standard	Programmable Thermostat Controls			
Business Standard	Air Source Heat Pump <65 kBtuh			
Business Standard	Air Source Heat Pump 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner <65 kBtuh			
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh			
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh			
Business Standard	Air Sourced Air Conditioner >240 kBtuh			
Business Standard	Directional LED Bulb (<15W)			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp			
Business Standard	Directional LED Bulb (>=15W)			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp			
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Business Standard	High Efficiency Reach-In Freezer		
Business Standard	Strip Curtains		
Business Standard	Strip Curtains Freezer		
Business Standard	Strip Curtains Cooler		
Business Standard	LED Refrigerator Case Light		
Business Standard	LED Refrigerator Case Light		
Business Standard	ECM Motors Walk-In Coolers & Freezers		
Business Standard	High Efficiency PTAC/PTHP		
Business Standard	Programmable Thermostat Controls		
Business Standard	Air Source Heat Pump <65 kBtuh		
Business Standard	Air Source Heat Pump 65<135 kBtuh		
Business Standard	Air Sourced Air Conditioner <65 kBtuh		
Business Standard	Air Sourced Air Conditioner 65<135 kBtuh		
Business Standard	Air Sourced Air Conditioner 135<240 kBtuh		
Business Standard	Air Sourced Air Conditioner >240 kBtuh		
Business Standard	Directional LED Bulb (<15W)		
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp		
Business Standard	Interior Directional LED Lamp replacing 50-70W Lamp		
Business Standard	Directional LED Bulb (>=15W)		
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp		
Business Standard	Interior Directional LED Lamp replacing 71-110W Lamp		
Business Standard	High Bay Fluorescent Fixture (HP T8 >4 lamps)		
Business Standard	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture		
Business Standard	High Bay Fluorescent Fixture (HP T8 <=4 lamps)		
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 >4 lamps)		
Business Standard	High-Bay Fluorescent Fixture T5 > 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture		
Business Standard	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)		
Business Standard	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture		

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<i>Measure Description</i>					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Business Standard	LED Exit Sign	102	All	Lighting	
Business Standard	LED Exit Sign	102.1	All	Lighting	
Business Standard	LED Flood Light (<15W)	103	All	Lighting	
Business Standard	LED Flood Light (>=15W)	104	All	Lighting	
Business Standard	LED Recessed Fixture (1 ft x 4 ft)	106	All	Lighting	
Business Standard	LED Recessed Fixture (2 ft x 2 ft)	107	All	Lighting	
Business Standard	LED Recessed Fixture (2 ft x 4 ft)	108	All	Lighting	
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System	109	All	Lighting	
Business Standard	Remove 4ft Lamp from T8 or T12 system	109.1	All	Lighting	
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System	110	All	Lighting	
Business Standard	Remove 8ft Lamp from T8 or T12 System	110.1	All	Lighting	
Business Standard	Omnidirectional LED Bulb (<10W)	112	All	Lighting	
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	112.1	All	Lighting	
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	112.2	All	Lighting	
Business Standard	Omnidirectional LED Bulb (>=10W)	113	All	Lighting	
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	113.1	All	Lighting	
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	113.2	All	Lighting	
Business Standard	Photocell Occupancy Sensor	114	All	Lighting	
Business Standard	Interior Daylighting Controls Replacing No Controls	114.1	All	Lighting	
Business Standard	Wall-Mount Occupancy Sensor	115	All	Lighting	
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls	115.1	All	Lighting	
Business Standard	High Volume Low Speed Fans (20ft Diameter)	116	All	Pumps/Fans	
Business Standard	High Volume Low Speed Fans (22ft Diameter)	117	All	Pumps/Fans	
Business Standard	High Volume Low Speed Fans (24ft Diameter)	118	All	Pumps/Fans	
Business Standard	Compressed Air - Engineered Nozzle 1/4"	119	All	Pumps/Fans	
Business Standard	Compressed Air - Engineered Nozzle 1/8"	120	All	Pumps/Fans	
Business Standard	Compressed Air - No Loss Condensate Drain/Valve	121	All	Pumps/Fans	
Business Standard	Compressed Air - No Loss Condensate Drain/Valve	121.1	All	Pumps/Fans	
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays	122	All	Pumps/Fans	
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays	123	All	Pumps/Fans	

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Measure Description					
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source
Business Standard	LED Exit Sign	per lamp	\$30.00	78.8400	
Business Standard	LED Exit Sign	per lamp	\$30.00	50.5988	IL TRM V.5 and Nav
Business Standard	LED Flood Light (<15W)	per lamp	\$35.00	210.8290	
Business Standard	LED Flood Light (>=15W)	per lamp	\$45.00	236.3246	
Business Standard	LED Recessed Fixture (1 ft x 4 ft)	per fixture	\$36.17	116.6893	
Business Standard	LED Recessed Fixture (2 ft x 2 ft)	per fixture	\$22.55	70.1007	
Business Standard	LED Recessed Fixture (2 ft x 4 ft)	per fixture	\$55.50	149.7804	
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System	per lamp	\$12.00	121.9142	
Business Standard	Remove 4ft Lamp from T8 or T12 system	per lamp	\$12.00	121.9142	
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System	per lamp	\$16.00	252.5366	
Business Standard	Remove 8ft Lamp from T8 or T12 System	per lamp	\$16.00	252.5366	
Business Standard	Omnidirectional LED Bulb (<10W)	per lamp	\$28.75	84.4692	
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	per lamp	\$28.75	84.4692	
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	per lamp	\$28.75	117.3425	IL TRM v5
Business Standard	Omnidirectional LED Bulb (>=10W)	per lamp	\$38.75	130.1870	
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	per lamp	\$38.75	130.1870	
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	per lamp	\$38.75	160.6656	IL TRM v5
Business Standard	Photocell Occupancy Sensor	per sensor	\$66.00	692.6340	
Business Standard	Interior Daylighting Controls Replacing No Controls	per sensor	\$66.00	692.6340	
Business Standard	Wall-Mount Occupancy Sensor	per sensor	\$42.00	457.1784	
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls	per sensor	\$42.00	457.1784	
Business Standard	High Volume Low Speed Fans (20ft Diameter)	per Fan	\$4,150.00	6,577.0000	
Business Standard	High Volume Low Speed Fans (22ft Diameter)	per Fan	\$4,180.00	8,543.0000	
Business Standard	High Volume Low Speed Fans (24ft Diameter)	per Fan	\$4,225.00	10,018.0000	
Business Standard	Compressed Air - Engineered Nozzle 1/4"	per unit	\$57.00	1,086.6380	
Business Standard	Compressed Air - Engineered Nozzle 1/8"	per unit	\$42.00	393.4380	
Business Standard	Compressed Air - No Loss Condensate Drain/Valve	per unit	\$700.00	1,969.6500	
Business Standard	Compressed Air - No Loss Condensate Drain/Valve	per unit	\$700.00	1,969.6500	
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays	per HP	\$140.37	329.0000	
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays	per HP	\$140.37	658.0000	

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Measure Description		Gross Measure Values			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Business Standard	LED Exit Sign	0.009	100%		0.0090
Business Standard	LED Exit Sign	0.012	69%	Navigant field v	0.0082
Business Standard	LED Flood Light (<15W)	0.043	0%		0.0000
Business Standard	LED Flood Light (>=15W)	0.048	0%		0.0000
Business Standard	LED Recessed Fixture (1 ft x 4 ft)	0.036	66%		0.0237
Business Standard	LED Recessed Fixture (2 ft x 2 ft)	0.022	66%		0.0142
Business Standard	LED Recessed Fixture (2 ft x 4 ft)	0.046	66%		0.0304
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System	0.038	66%		0.0248
Business Standard	Remove 4ft Lamp from T8 or T12 system	0.038	66%		0.0248
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System	0.078	66%		0.0513
Business Standard	Remove 8ft Lamp from T8 or T12 System	0.078	66%		0.0513
Business Standard	Omnidirectional LED Bulb (<10W)	0.026	66%		0.0172
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	0.026	66%		0.0172
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	0.036	62%	IL TRM v5	0.0224
Business Standard	Omnidirectional LED Bulb (>=10W)	0.040	66%		0.0264
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	0.040	66%		0.0264
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	0.049	62%	IL TRM v5	0.0306
Business Standard	Photocell Occupancy Sensor	0.213	66%		0.1407
Business Standard	Interior Daylighting Controls Replacing No Controls	0.213	66%		0.1407
Business Standard	Wall-Mount Occupancy Sensor	0.141	66%		0.0929
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls	0.141	66%		0.0929
Business Standard	High Volume Low Speed Fans (20ft Diameter)				2.4000
Business Standard	High Volume Low Speed Fans (22ft Diameter)				3.1000
Business Standard	High Volume Low Speed Fans (24ft Diameter)				3.7000
Business Standard	Compressed Air - Engineered Nozzle 1/4"				0.5110
Business Standard	Compressed Air - Engineered Nozzle 1/8"				0.1630
Business Standard	Compressed Air - No Loss Condensate Drain/Valve				0.3000
Business Standard	Compressed Air - No Loss Condensate Drain/Valve				0.3050
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays				0.1582
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays				0.1582

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Measure Description					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Business Standard	LED Exit Sign		8,760		16
Business Standard	LED Exit Sign	IL TRM V.5 and Navigant	5,080	Navigant field work	16
Business Standard	LED Flood Light (<15W)		4,903		10
Business Standard	LED Flood Light (>=15W)		4,903		10
Business Standard	LED Recessed Fixture (1 ft x 4 ft)		3,088		11
Business Standard	LED Recessed Fixture (2 ft x 2 ft)		3,088		11
Business Standard	LED Recessed Fixture (2 ft x 4 ft)		3,088		11
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System		3,088		11
Business Standard	Remove 4ft Lamp from T8 or T12 system		3,088		11
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System		3,088		11
Business Standard	Remove 8ft Lamp from T8 or T12 System		3,088		11
Business Standard	Omnidirectional LED Bulb (<10W)		3,088		8
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp		3,088		8
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	IL TRM v5	3,088	IL TRM v5	8
Business Standard	Omnidirectional LED Bulb (>=10W)		3,088		8
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp		3,088		8
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	IL TRM v5	3,088	IL TRM v5	8
Business Standard	Photocell Occupancy Sensor		3,088		8
Business Standard	Interior Daylighting Controls Replacing No Controls		3,088		8
Business Standard	Wall-Mount Occupancy Sensor		3,088		8
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls		3,088		8
Business Standard	High Volume Low Speed Fans (20ft Diameter)				10
Business Standard	High Volume Low Speed Fans (22ft Diameter)				10
Business Standard	High Volume Low Speed Fans (24ft Diameter)				10
Business Standard	Compressed Air - Engineered Nozzle 1/4"				15
Business Standard	Compressed Air - Engineered Nozzle 1/8"				15
Business Standard	Compressed Air - No Loss Condensate Drain/Valve				15
Business Standard	Compressed Air - No Loss Condensate Drain/Valve	IL TRM V.5			15
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays				10
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays				10

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<i>Measure Description</i>		<i>Efficiency Values</i>		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Business Standard	LED Exit Sign	LED (watts)	2.0	
Business Standard	LED Exit Sign	LED (watts)	2.1	IL TRM V.5 and Navig
Business Standard	LED Flood Light (<15W)	LED (watts)	8.7	
Business Standard	LED Flood Light (>=15W)	LED (watts)	16.20	
Business Standard	LED Recessed Fixture (1 ft x 4 ft)	Linear style LED (watts)	32	
Business Standard	LED Recessed Fixture (2 ft x 2 ft)	Linear style LED (watts)	45	
Business Standard	LED Recessed Fixture (2 ft x 4 ft)	Linear style LED (watts)	54	
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System	Remove T8	0	
Business Standard	Remove 4ft Lamp from T8 or T12 system	Remove T8	0	
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System	Remove T8	0	
Business Standard	Remove 8ft Lamp from T8 or T12 System	Remove T8	0	
Business Standard	Omnidirectional LED Bulb (<10W)	LED (watts)	10	
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	LED (watts)	10	
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	LED (watts)	9	IL TRM v5
Business Standard	Omnidirectional LED Bulb (>=10W)	LED (watts)	23	
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	LED (watts)	23	
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	LED (watts)	16	IL TRM v5
Business Standard	Photocell Occupancy Sensor	Photocell Occupancy Sensor	587	
Business Standard	Interior Daylighting Controls Replacing No Controls	Photocell Occupancy Sensor	587	
Business Standard	Wall-Mount Occupancy Sensor	Wall-Mount Occupancy Sensor	350	
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls	Wall-Mount Occupancy Sensor	350	
Business Standard	High Volume Low Speed Fans (20ft Diameter)			
Business Standard	High Volume Low Speed Fans (22ft Diameter)			
Business Standard	High Volume Low Speed Fans (24ft Diameter)			
Business Standard	Compressed Air - Engineered Nozzle 1/4"			
Business Standard	Compressed Air - Engineered Nozzle 1/8"			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays			

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Business Standard	LED Exit Sign	Fluorescent (watts)	11.0	
Business Standard	LED Exit Sign	Fluorescent (watts)	11.0	IL TRM V.5
Business Standard	LED Flood Light (<15W)	Metal Halide (watts)	51.7	
Business Standard	LED Flood Light (>=15W)	Metal Halide (watts)	64.40	
Business Standard	LED Recessed Fixture (1 ft x 4 ft)	Standard T8 (watts)	59	
Business Standard	LED Recessed Fixture (2 ft x 2 ft)	T8 U-tube (watts)	61	
Business Standard	LED Recessed Fixture (2 ft x 4 ft)	Standard T8 (watts)	88	
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System	T8 4 ft (watts)	28	
Business Standard	Remove 4ft Lamp from T8 or T12 system	T8 4 ft (watts)	28	
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System	T8 8 ft (watts)	58	
Business Standard	Remove 8ft Lamp from T8 or T12 System	T8 8 ft (watts)	58	
Business Standard	Omnidirectional LED Bulb (<10W)	EISA tier 1 compliant Halogen (watts)	29	
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	EISA tier 1 compliant Halogen (watts)	29	
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	EISA tier 1 compliant Halogen (watts)	36	IL TRM v5
Business Standard	Omnidirectional LED Bulb (>=10W)	EISA tier 1 compliant Halogen (watts)	53	
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	EISA tier 1 compliant Halogen (watts)	53	
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	EISA tier 1 compliant Halogen (watts)	53	IL TRM v5
Business Standard	Photocell Occupancy Sensor	No Control		
Business Standard	Interior Daylighting Controls Replacing No Controls	No Control		
Business Standard	Wall-Mount Occupancy Sensor	No Control		
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls	No Control		
Business Standard	High Volume Low Speed Fans (20ft Diameter)			
Business Standard	High Volume Low Speed Fans (22ft Diameter)			
Business Standard	High Volume Low Speed Fans (24ft Diameter)			
Business Standard	Compressed Air - Engineered Nozzle 1/4"			
Business Standard	Compressed Air - Engineered Nozzle 1/8"			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays			

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Measure Description		AE
Program	Measure Name	Electric Energy Savings Algorithm
Business Standard	LED Exit Sign	=ROUND((W181-T181)/1000*P181*AE181,4)
Business Standard	LED Exit Sign	=ROUND((W182-T182)/1000*P182*AE182*AK182,4)
Business Standard	LED Flood Light (<15W)	=ROUND((W183-T183)/1000*P183*AE183,4)
Business Standard	LED Flood Light (>=15W)	=ROUND((W184-T184)/1000*P184*AE184,4)
Business Standard	LED Recessed Fixture (1 ft x 4 ft)	=ROUND((W185-T185)/1000*P185*AE185,4)
Business Standard	LED Recessed Fixture (2 ft x 2 ft)	=ROUND((W186-T186)/1000*P186*AE186,4)
Business Standard	LED Recessed Fixture (2 ft x 4 ft)	=ROUND((W187-T187)/1000*P187*AE187,4)
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System	=ROUND((W188-T188)/1000*P188*AE188,4)
Business Standard	Remove 4ft Lamp from T8 or T12 system	=ROUND((W189-T189)/1000*P189*AE189,4)
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System	=ROUND((W190-T190)/1000*P190*AE190,4)
Business Standard	Remove 8ft Lamp from T8 or T12 System	=ROUND((W191-T191)/1000*P191*AE191,4)
Business Standard	Omnidirectional LED Bulb (<10W)	=ROUND((W192-T192)/1000*P192*AE192,4)
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	=ROUND((W193-T193)/1000*P193*AE193,4)
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	=ROUND((W194-T194)/1000*P194*AE194,4)
Business Standard	Omnidirectional LED Bulb (>=10W)	=ROUND((W195-T195)/1000*P195*AE195,4)
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	=ROUND((W196-T196)/1000*P196*AE196,4)
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	=ROUND((W197-T197)/1000*P197*AE197,4)
Business Standard	Photocell Occupancy Sensor	=ROUND(T198/1000*AK198*P198*AE198,4)
Business Standard	Interior Daylighting Controls Replacing No Controls	=ROUND(T199/1000*AK199*P199*AE199,4)
Business Standard	Wall-Mount Occupancy Sensor	=ROUND(T200/1000*AK200*P200*AE200,4)
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls	=ROUND(T201/1000*AK201*P201*AE201,4)
Business Standard	High Volume Low Speed Fans (20ft Diameter)	=ROUND(6577,4)
Business Standard	High Volume Low Speed Fans (22ft Diameter)	=ROUND(8543,4)
Business Standard	High Volume Low Speed Fans (24ft Diameter)	=ROUND(10018,4)
Business Standard	Compressed Air - Engineered Nozzle 1/4"	=ROUND(1086.638,4)
Business Standard	Compressed Air - Engineered Nozzle 1/8"	=ROUND(393.438,4)
Business Standard	Compressed Air - No Loss Condensate Drain/Valve	=ROUND(1969.65,4)
Business Standard	Compressed Air - No Loss Condensate Drain/Valve	=ROUND(1969.65,4)
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays	=ROUND(329,4)
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays	=ROUND(658,4)

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Business Standard	LED Exit Sign	=ROUND(K181*L181,4)
Business Standard	LED Exit Sign	=ROUND(K182*L182,4)
Business Standard	LED Flood Light (<15W)	=ROUND(K183*L183,4)
Business Standard	LED Flood Light (>=15W)	=ROUND(K184*L184,4)
Business Standard	LED Recessed Fixture (1 ft x 4 ft)	=ROUND(K185*L185,4)
Business Standard	LED Recessed Fixture (2 ft x 2 ft)	=ROUND(K186*L186,4)
Business Standard	LED Recessed Fixture (2 ft x 4 ft)	=ROUND(K187*L187,4)
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System	=ROUND(K188*L188,4)
Business Standard	Remove 4ft Lamp from T8 or T12 system	=ROUND(K189*L189,4)
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System	=ROUND(K190*L190,4)
Business Standard	Remove 8ft Lamp from T8 or T12 System	=ROUND(K191*L191,4)
Business Standard	Omnidirectional LED Bulb (<10W)	=ROUND(K192*L192,4)
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	=ROUND(K193*L193,4)
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	=ROUND(K194*L194,4)
Business Standard	Omnidirectional LED Bulb (>=10W)	=ROUND(K195*L195,4)
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	=ROUND(K196*L196,4)
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	=ROUND(K197*L197,4)
Business Standard	Photocell Occupancy Sensor	=ROUND(K198*L198,4)
Business Standard	Interior Daylighting Controls Replacing No Controls	=ROUND(K199*L199,4)
Business Standard	Wall-Mount Occupancy Sensor	=ROUND(K200*L200,4)
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls	=ROUND(K201*L201,4)
Business Standard	High Volume Low Speed Fans (20ft Diameter)	=ROUND(2.4,4)
Business Standard	High Volume Low Speed Fans (22ft Diameter)	=ROUND(3.1,4)
Business Standard	High Volume Low Speed Fans (24ft Diameter)	=ROUND(3.7,4)
Business Standard	Compressed Air - Engineered Nozzle 1/4"	=ROUND(0.511,4)
Business Standard	Compressed Air - Engineered Nozzle 1/8"	=ROUND(0.163,4)
Business Standard	Compressed Air - No Loss Condensate Drain/Valve	=ROUND(0.3,4)
Business Standard	Compressed Air - No Loss Condensate Drain/Valve	=ROUND(0.30495,4)
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays	=ROUND(0.15818,4)
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays	=ROUND(0.15818,4)

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[Link to CDD](#)

[Link to HDD](#)

Measure Description		Start/End Dates				
Program	Measure Name	Effective Start Date	Effective End Date	Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Business Standard	LED Exit Sign	4/1/2016	3/31/2018			1.00
Business Standard	LED Exit Sign	4/1/2018				1.13
Business Standard	LED Flood Light (<15W)	4/1/2016				1.00
Business Standard	LED Flood Light (>=15W)	4/1/2016				1.00
Business Standard	LED Recessed Fixture (1 ft x 4 ft)	4/1/2016				1.41
Business Standard	LED Recessed Fixture (2 ft x 2 ft)	4/1/2016				1.41
Business Standard	LED Recessed Fixture (2 ft x 4 ft)	4/1/2016				1.41
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System	4/1/2016	4/6/2017			1.41
Business Standard	Remove 4ft Lamp from T8 or T12 system	4/7/2017				1.41
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System	4/1/2016	4/6/2017			1.41
Business Standard	Remove 8ft Lamp from T8 or T12 System	4/7/2017				1.41
Business Standard	Omnidirectional LED Bulb (<10W)	4/1/2016	4/6/2017			1.41
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	4/7/2017	3/31/2018			1.41
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	4/1/2018				1.41
Business Standard	Omnidirectional LED Bulb (>=10W)	4/1/2016	4/6/2017			1.41
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	4/7/2017	3/31/2018			1.41
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	4/1/2018				1.41
Business Standard	Photocell Occupancy Sensor	4/1/2016	4/6/2017			1.41
Business Standard	Interior Daylighting Controls Replacing No Controls	4/7/2017				1.41
Business Standard	Wall-Mount Occupancy Sensor	4/1/2016	4/6/2017			1.41
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls	4/7/2017				1.41
Business Standard	High Volume Low Speed Fans (20ft Diameter)	4/1/2016				
Business Standard	High Volume Low Speed Fans (22ft Diameter)	4/1/2016				
Business Standard	High Volume Low Speed Fans (24ft Diameter)	4/1/2016				
Business Standard	Compressed Air - Engineered Nozzle 1/4"	4/1/2016				
Business Standard	Compressed Air - Engineered Nozzle 1/8"	4/1/2016				
Business Standard	Compressed Air - No Loss Condensate Drain/Valve	4/1/2016	3/31/2018			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve	4/1/2018				
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays	4/1/2016				
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays	4/1/2016				

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Business Standard	LED Exit Sign	Waste Heat Factor		1.00
Business Standard	LED Exit Sign	Waste Heat Factor	Navigant Field Work	1.34
Business Standard	LED Flood Light (<15W)	Waste Heat Factor		1.00
Business Standard	LED Flood Light (>=15W)	Waste Heat Factor		1.00
Business Standard	LED Recessed Fixture (1 ft x 4 ft)	Waste Heat Factor		1.34
Business Standard	LED Recessed Fixture (2 ft x 2 ft)	Waste Heat Factor		1.34
Business Standard	LED Recessed Fixture (2 ft x 4 ft)	Waste Heat Factor		1.34
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System	Waste Heat Factor		1.34
Business Standard	Remove 4ft Lamp from T8 or T12 system	Waste Heat Factor		1.34
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System	Waste Heat Factor		1.34
Business Standard	Remove 8ft Lamp from T8 or T12 System	Waste Heat Factor		1.34
Business Standard	Omnidirectional LED Bulb (<10W)	Waste Heat Factor		1.34
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	Waste Heat Factor		1.34
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	Waste Heat Factor Energy	IL TRM v5	1.34
Business Standard	Omnidirectional LED Bulb (>=10W)	Waste Heat Factor		1.34
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	Waste Heat Factor		1.34
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	Waste Heat Factor Energy	IL TRM v5	1.34
Business Standard	Photocell Occupancy Sensor	Waste Heat Factor		1.34
Business Standard	Interior Daylighting Controls Replacing No Controls	Waste Heat Factor		1.34
Business Standard	Wall-Mount Occupancy Sensor	Waste Heat Factor		1.34
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls	Waste Heat Factor		1.34
Business Standard	High Volume Low Speed Fans (20ft Diameter)			
Business Standard	High Volume Low Speed Fans (22ft Diameter)			
Business Standard	High Volume Low Speed Fans (24ft Diameter)			
Business Standard	Compressed Air - Engineered Nozzle 1/4"			
Business Standard	Compressed Air - Engineered Nozzle 1/8"			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Business Standard	LED Exit Sign	Waste Heat Factor		
Business Standard	LED Exit Sign	Waste Heat Factor	Navigant Field Work	0.98874926
Business Standard	LED Flood Light (<15W)	Waste Heat Factor		
Business Standard	LED Flood Light (>=15W)	Waste Heat Factor		
Business Standard	LED Recessed Fixture (1 ft x 4 ft)	Waste Heat Factor		
Business Standard	LED Recessed Fixture (2 ft x 2 ft)	Waste Heat Factor		
Business Standard	LED Recessed Fixture (2 ft x 4 ft)	Waste Heat Factor		
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System	Waste Heat Factor		
Business Standard	Remove 4ft Lamp from T8 or T12 system	Waste Heat Factor		
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System	Waste Heat Factor		
Business Standard	Remove 8ft Lamp from T8 or T12 System	Waste Heat Factor		
Business Standard	Omnidirectional LED Bulb (<10W)	Waste Heat Factor		
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	Waste Heat Factor		
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	Waste Heat Factor Demand	IL TRM v5	
Business Standard	Omnidirectional LED Bulb (>=10W)	Waste Heat Factor		
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	Waste Heat Factor		
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	Waste Heat Factor Demand	IL TRM v5	
Business Standard	Photocell Occupancy Sensor	Waste Heat Factor		27%
Business Standard	Interior Daylighting Controls Replacing No Controls	Waste Heat Factor		27%
Business Standard	Wall-Mount Occupancy Sensor	Waste Heat Factor		30%
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls	Waste Heat Factor		30%
Business Standard	High Volume Low Speed Fans (20ft Diameter)			
Business Standard	High Volume Low Speed Fans (22ft Diameter)			
Business Standard	High Volume Low Speed Fans (24ft Diameter)			
Business Standard	Compressed Air - Engineered Nozzle 1/4"			
Business Standard	Compressed Air - Engineered Nozzle 1/8"			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Business Standard	LED Exit Sign			
Business Standard	LED Exit Sign	ISR	Navigant field work	
Business Standard	LED Flood Light (<15W)			
Business Standard	LED Flood Light (>=15W)			
Business Standard	LED Recessed Fixture (1 ft x 4 ft)			
Business Standard	LED Recessed Fixture (2 ft x 2 ft)			
Business Standard	LED Recessed Fixture (2 ft x 4 ft)			
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System			
Business Standard	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System			
Business Standard	Remove 8ft Lamp from T8 or T12 System			
Business Standard	Omnidirectional LED Bulb (<10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Omnidirectional LED Bulb (>=10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Photocell Occupancy Sensor	ESF		
Business Standard	Interior Daylighting Controls Replacing No Controls	ESF		
Business Standard	Wall-Mount Occupancy Sensor	ESF		
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls	ESF		
Business Standard	High Volume Low Speed Fans (20ft Diameter)			
Business Standard	High Volume Low Speed Fans (22ft Diameter)			
Business Standard	High Volume Low Speed Fans (24ft Diameter)			
Business Standard	Compressed Air - Engineered Nozzle 1/4"			
Business Standard	Compressed Air - Engineered Nozzle 1/8"			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Business Standard	LED Exit Sign			
Business Standard	LED Exit Sign			
Business Standard	LED Flood Light (<15W)			
Business Standard	LED Flood Light (>=15W)			
Business Standard	LED Recessed Fixture (1 ft x 4 ft)			
Business Standard	LED Recessed Fixture (2 ft x 2 ft)			
Business Standard	LED Recessed Fixture (2 ft x 4 ft)			
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System			
Business Standard	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System			
Business Standard	Remove 8ft Lamp from T8 or T12 System			
Business Standard	Omnidirectional LED Bulb (<10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Omnidirectional LED Bulb (>=10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Photocell Occupancy Sensor			
Business Standard	Interior Daylighting Controls Replacing No Controls			
Business Standard	Wall-Mount Occupancy Sensor			
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls			
Business Standard	High Volume Low Speed Fans (20ft Diameter)			
Business Standard	High Volume Low Speed Fans (22ft Diameter)			
Business Standard	High Volume Low Speed Fans (24ft Diameter)			
Business Standard	Compressed Air - Engineered Nozzle 1/4"			
Business Standard	Compressed Air - Engineered Nozzle 1/8"			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays			

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<i>Measure Description</i>		<i>Quantities</i>		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Business Standard	LED Exit Sign			
Business Standard	LED Exit Sign			
Business Standard	LED Flood Light (<15W)			
Business Standard	LED Flood Light (>=15W)			
Business Standard	LED Recessed Fixture (1 ft x 4 ft)			
Business Standard	LED Recessed Fixture (2 ft x 2 ft)			
Business Standard	LED Recessed Fixture (2 ft x 4 ft)			
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System			
Business Standard	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System			
Business Standard	Remove 8ft Lamp from T8 or T12 System			
Business Standard	Omnidirectional LED Bulb (<10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Omnidirectional LED Bulb (>=10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Photocell Occupancy Sensor			
Business Standard	Interior Daylighting Controls Replacing No Controls			
Business Standard	Wall-Mount Occupancy Sensor			
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls			
Business Standard	High Volume Low Speed Fans (20ft Diameter)			
Business Standard	High Volume Low Speed Fans (22ft Diameter)			
Business Standard	High Volume Low Speed Fans (24ft Diameter)			
Business Standard	Compressed Air - Engineered Nozzle 1/4"			
Business Standard	Compressed Air - Engineered Nozzle 1/8"			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Business Standard	LED Exit Sign			
Business Standard	LED Exit Sign			
Business Standard	LED Flood Light (<15W)			
Business Standard	LED Flood Light (>=15W)			
Business Standard	LED Recessed Fixture (1 ft x 4 ft)			
Business Standard	LED Recessed Fixture (2 ft x 2 ft)			
Business Standard	LED Recessed Fixture (2 ft x 4 ft)			
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System			
Business Standard	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System			
Business Standard	Remove 8ft Lamp from T8 or T12 System			
Business Standard	Omnidirectional LED Bulb (<10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Omnidirectional LED Bulb (>=10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Photocell Occupancy Sensor			
Business Standard	Interior Daylighting Controls Replacing No Controls			
Business Standard	Wall-Mount Occupancy Sensor			
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls			
Business Standard	High Volume Low Speed Fans (20ft Diameter)			
Business Standard	High Volume Low Speed Fans (22ft Diameter)			
Business Standard	High Volume Low Speed Fans (24ft Diameter)			
Business Standard	Compressed Air - Engineered Nozzle 1/4"			
Business Standard	Compressed Air - Engineered Nozzle 1/8"			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Business Standard	LED Exit Sign			
Business Standard	LED Exit Sign			
Business Standard	LED Flood Light (<15W)			
Business Standard	LED Flood Light (>=15W)			
Business Standard	LED Recessed Fixture (1 ft x 4 ft)			
Business Standard	LED Recessed Fixture (2 ft x 2 ft)			
Business Standard	LED Recessed Fixture (2 ft x 4 ft)			
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System			
Business Standard	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System			
Business Standard	Remove 8ft Lamp from T8 or T12 System			
Business Standard	Omnidirectional LED Bulb (<10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Omnidirectional LED Bulb (>=10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Photocell Occupancy Sensor			
Business Standard	Interior Daylighting Controls Replacing No Controls			
Business Standard	Wall-Mount Occupancy Sensor			
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls			
Business Standard	High Volume Low Speed Fans (20ft Diameter)			
Business Standard	High Volume Low Speed Fans (22ft Diameter)			
Business Standard	High Volume Low Speed Fans (24ft Diameter)			
Business Standard	Compressed Air - Engineered Nozzle 1/4"			
Business Standard	Compressed Air - Engineered Nozzle 1/8"			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Business Standard	LED Exit Sign			
Business Standard	LED Exit Sign			
Business Standard	LED Flood Light (<15W)			
Business Standard	LED Flood Light (>=15W)			
Business Standard	LED Recessed Fixture (1 ft x 4 ft)			
Business Standard	LED Recessed Fixture (2 ft x 2 ft)			
Business Standard	LED Recessed Fixture (2 ft x 4 ft)			
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System			
Business Standard	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System			
Business Standard	Remove 8ft Lamp from T8 or T12 System			
Business Standard	Omnidirectional LED Bulb (<10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Omnidirectional LED Bulb (>=10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Photocell Occupancy Sensor			
Business Standard	Interior Daylighting Controls Replacing No Controls			
Business Standard	Wall-Mount Occupancy Sensor			
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls			
Business Standard	High Volume Low Speed Fans (20ft Diameter)			
Business Standard	High Volume Low Speed Fans (22ft Diameter)			
Business Standard	High Volume Low Speed Fans (24ft Diameter)			
Business Standard	Compressed Air - Engineered Nozzle 1/4"			
Business Standard	Compressed Air - Engineered Nozzle 1/8"			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Business Standard	LED Exit Sign			
Business Standard	LED Exit Sign			
Business Standard	LED Flood Light (<15W)			
Business Standard	LED Flood Light (>=15W)			
Business Standard	LED Recessed Fixture (1 ft x 4 ft)			
Business Standard	LED Recessed Fixture (2 ft x 2 ft)			
Business Standard	LED Recessed Fixture (2 ft x 4 ft)			
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System			
Business Standard	Remove 4ft Lamp from T8 or T12 system			
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System			
Business Standard	Remove 8ft Lamp from T8 or T12 System			
Business Standard	Omnidirectional LED Bulb (<10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Business Standard	Omnidirectional LED Bulb (>=10W)			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Business Standard	Photocell Occupancy Sensor			
Business Standard	Interior Daylighting Controls Replacing No Controls			
Business Standard	Wall-Mount Occupancy Sensor			
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls			
Business Standard	High Volume Low Speed Fans (20ft Diameter)			
Business Standard	High Volume Low Speed Fans (22ft Diameter)			
Business Standard	High Volume Low Speed Fans (24ft Diameter)			
Business Standard	Compressed Air - Engineered Nozzle 1/4"			
Business Standard	Compressed Air - Engineered Nozzle 1/8"			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Compressed Air - No Loss Condensate Drain/Valve			
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Business Standard	LED Exit Sign		
Business Standard	LED Exit Sign		
Business Standard	LED Flood Light (<15W)		
Business Standard	LED Flood Light (>=15W)		
Business Standard	LED Recessed Fixture (1 ft x 4 ft)		
Business Standard	LED Recessed Fixture (2 ft x 2 ft)		
Business Standard	LED Recessed Fixture (2 ft x 4 ft)		
Business Standard	Lighting Optimization - Remove 4ft Lamp from T8 System		
Business Standard	Remove 4ft Lamp from T8 or T12 system		
Business Standard	Lighting Optimization - Remove 8ft Lamp from T8 System		
Business Standard	Remove 8ft Lamp from T8 or T12 System		
Business Standard	Omnidirectional LED Bulb (<10W)		
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp		
Business Standard	Interior Omnidirectional LED Lamp replacing 40-60W Lamp		
Business Standard	Omnidirectional LED Bulb (>=10W)		
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp		
Business Standard	Interior Omnidirectional LED Lamp replacing 61-100W Lamp		
Business Standard	Photocell Occupancy Sensor		
Business Standard	Interior Daylighting Controls Replacing No Controls		
Business Standard	Wall-Mount Occupancy Sensor		
Business Standard	Interior Occupancy or Vacancy Sensor Replacing No Controls		
Business Standard	High Volume Low Speed Fans (20ft Diameter)		
Business Standard	High Volume Low Speed Fans (22ft Diameter)		
Business Standard	High Volume Low Speed Fans (24ft Diameter)		
Business Standard	Compressed Air - Engineered Nozzle 1/4"		
Business Standard	Compressed Air - Engineered Nozzle 1/8"		
Business Standard	Compressed Air - No Loss Condensate Drain/Valve		
Business Standard	Compressed Air - No Loss Condensate Drain/Valve		
Business Standard	Variable Speed Drive Compressor - 1 shift weekdays		
Business Standard	Variable Speed Drive Compressor - 2 shift weekdays		

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<i>Measure Description</i>					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays	124	All	Pumps/Fans	
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends	125	All	Pumps/Fans	
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy	137	All	HVAC	
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy	138	All	HVAC	
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation	139	All	Pumps/Fans	
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation	140	All	Pumps/Fans	
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation	142	All	Pumps/Fans	
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation	143	All	Pumps/Fans	
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation	144	All	Pumps/Fans	
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	146	All	Lighting	Annual Operating
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture	146.1	All	Lighting	Annual Operating
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	147	All	Lighting	Annual Operating
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture	147.1	All	Lighting	Annual Operating
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	148	All	Lighting	Annual Operating
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture	148.1	All	Lighting	Annual Operating
Business Standard	Exterior LED replacing >400W HID	149	All	Lighting	Annual Operating
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	149.1	All	Lighting	Annual Operating
Business Standard	Exterior LED replacing 251-400W HID	150	All	Lighting	Annual Operating
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	150.1	All	Lighting	Annual Operating
Business Standard	Exterior LED replacing 175-250W HID	151	All	Lighting	Annual Operating
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	151.1	All	Lighting	Annual Operating
Business Standard	Exterior LED replacing <175W HID	152	All	Lighting	Annual Operating
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	152.1	All	Lighting	Annual Operating
Business Standard	Parking Garage LED replacing >175W HID	153	All	Lighting	Annual Operating
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	153.1	All	Lighting	Annual Operating
Business Standard	Parking Garage LED replacing 101W-175W HID	154	All	Lighting	Annual Operating
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	154.1	All	Lighting	Annual Operating
Business Standard	Parking Garage LED replacing <= 100W HID	155	All	Lighting	Annual Operating
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	155.1	All	Lighting	Annual Operating

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		<i>Measure Description</i>				
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source	
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays	per HP	\$140.37	987.0000		
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends	per HP	\$140.37	1,385.3000		
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy	per ton	\$400.00	420.0000		
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy	per ton	\$400.00	700.0000		
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation	per Pump	\$690.79	1,312.0900		
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation	per Pump	\$1,324.75	6,555.3600		
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation	per Pump	\$690.79	359.0300		
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation	per Pump	\$1,324.75	1,793.5800		
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation	per Pump	\$1,844.58	7,174.3300		
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	per fixture	\$136.00	902.2800		
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture	per fixture	\$136.00	902.2800		
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	per fixture	\$105.00	981.1200		
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture	per fixture	\$105.00	981.1200		
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	per fixture	\$74.00	613.2000		
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture	per fixture	\$74.00	613.2000		
Business Standard	Exterior LED replacing >400W HID	per fixture	\$1,182.50	2,661.7000		
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	per fixture	\$1,182.50	2,661.7000		
Business Standard	Exterior LED replacing 251-400W HID	per fixture	\$535.00	1,191.1000		
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	per fixture	\$535.00	1,191.1000		
Business Standard	Exterior LED replacing 175-250W HID	per fixture	\$398.80	602.0000		
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	per fixture	\$398.80	602.0000		
Business Standard	Exterior LED replacing <175W HID	per fixture	\$299.75	490.2000		
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	per fixture	\$299.75	490.2000		
Business Standard	Parking Garage LED replacing >175W HID	per fixture	\$520.00	902.2800		
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	per fixture	\$520.00	902.2800		
Business Standard	Parking Garage LED replacing 101W-175W HID	per fixture	\$380.00	981.1200		
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	per fixture	\$380.00	981.1200		
Business Standard	Parking Garage LED replacing <= 100W HID	per fixture	\$320.00	613.2000		
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	per fixture	\$320.00	613.2000		

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Measure Description		Gross Measure Values			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays				0.1582
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends				0.1582
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy				0.1500
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy				0.1500
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation				0.2280
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation				1.1390
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation				0.0000
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation				0.0000
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation				0.0000
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	0.10	100%		0.1030
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture	0.10	100%		0.1030
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	0.11	100%		0.1120
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture	0.11	100%		0.1120
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	0.07	100%		0.0700
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture	0.07	100%		0.0700
Business Standard	Exterior LED replacing >400W HID	0.62	0%		0.0000
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	0.62	0%		0.0000
Business Standard	Exterior LED replacing 251-400W HID	0.28	0%		0.0000
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	0.28	0%		0.0000
Business Standard	Exterior LED replacing 175-250W HID	0.14	0%		0.0000
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	0.14	0%		0.0000
Business Standard	Exterior LED replacing <175W HID	0.11	0%		0.0000
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	0.11	0%		0.0000
Business Standard	Parking Garage LED replacing >175W HID	0.10	100%		0.1030
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	0.10	100%		0.1030
Business Standard	Parking Garage LED replacing 101W-175W HID	0.11	100%		0.1120
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	0.11	100%		0.1120
Business Standard	Parking Garage LED replacing <= 100W HID	0.07	100%		0.0700
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	0.07	100%		0.0700

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<i>Measure Description</i>					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays				10
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends				10
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy				15
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy				15
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation				15
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation				15
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation				15
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation				15
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation				15
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID		8,760		6
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture		8,760		6
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID		8,760		6
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture		8,760		6
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID		8,760		6
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture		8,760		6
Business Standard	Exterior LED replacing >400W HID		4,300		12
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp		4,300		12
Business Standard	Exterior LED replacing 251-400W HID		4,300		12
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp		4,300		12
Business Standard	Exterior LED replacing 175-250W HID		4,300		12
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp		4,300		12
Business Standard	Exterior LED replacing <175W HID		4,300		12
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp		4,300		12
Business Standard	Parking Garage LED replacing >175W HID		8,760		6
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp		8,760		6
Business Standard	Parking Garage LED replacing 101W-175W HID		8,760		6
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp		8,760		6
Business Standard	Parking Garage LED replacing <= 100W HID		8,760		6
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp		8,760		6

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Measure Description		Efficiency Values		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends			
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy			
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation			
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	4-ft 3L to 4L 4' T5, T5HO or T8	155	
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture	4-ft 3L to 4L 4' T5, T5HO or T8	155	
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	4-ft 2L to 3L 4' T5, T5HO or T8	84	
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture	4-ft 2L to 3L 4' T5, T5HO or T8	84	
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	4-ft 1L to 2L 4' T5, T5HO or T8	54	
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture	4-ft 1L to 2L 4' T5, T5HO or T8	54	
Business Standard	Exterior LED replacing >400W HID	LED Exterior Lighting Fixtures (Includes S	412	
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	LED Exterior Lighting Fixtures (Includes S	412	
Business Standard	Exterior LED replacing 251-400W HID	LED Exterior Lighting Fixtures (Includes S	167	
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	LED Exterior Lighting Fixtures (Includes S	167	
Business Standard	Exterior LED replacing 175-250W HID	LED Exterior Lighting Fixtures (Includes S	82	
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	LED Exterior Lighting Fixtures (Includes S	82	
Business Standard	Exterior LED replacing <175W HID	LED Exterior Lighting Fixtures (Includes S	37	
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	LED Exterior Lighting Fixtures (Includes S	37	
Business Standard	Parking Garage LED replacing >175W HID	LED Parking Garage Lighting Fixtures	155	
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	LED Parking Garage Lighting Fixtures	155	
Business Standard	Parking Garage LED replacing 101W-175W HID	LED Parking Garage Lighting Fixtures	84	
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	LED Parking Garage Lighting Fixtures	84	
Business Standard	Parking Garage LED replacing <= 100W HID	LED Parking Garage Lighting Fixtures	54	
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	LED Parking Garage Lighting Fixtures	54	

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends			
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy			
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation			
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	200W - 250W HID Fixture	258	
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture	200W - 250W HID Fixture	258	
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	125W - 175W HID Fixture	196	
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture	125W - 175W HID Fixture	196	
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	≤ 100 W HID Fixture	124	
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture	≤ 100 W HID Fixture	124	
Business Standard	Exterior LED replacing >400W HID	> 400 W HID Fixture	1031	
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	> 400 W HID Fixture	1031	
Business Standard	Exterior LED replacing 251-400W HID	320 W Pulse Start and 400W MH/HPS Fixture	444	
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	320 W Pulse Start and 400W MH/HPS Fixture	444	
Business Standard	Exterior LED replacing 175-250W HID	175 W HID - 250 W HID Fixture	222	
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	175 W HID - 250 W HID Fixture	222	
Business Standard	Exterior LED replacing <175W HID	< 175 W HID Fixture	151	
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	< 175 W HID Fixture	151	
Business Standard	Parking Garage LED replacing >175W HID	200W - 250W HID Fixture	258	
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	200W - 250W HID Fixture	258	
Business Standard	Parking Garage LED replacing 101W-175W HID	125W - 175W HID Fixture	196	
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	125W - 175W HID Fixture	196	
Business Standard	Parking Garage LED replacing <= 100W HID	≤ 100 W HID Fixture	124	
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	≤ 100 W HID Fixture	124	

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Measure Description		Al
Program	Measure Name	Electric Energy Savings Algorithm
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays	=ROUND(987,4)
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends	=ROUND(1385.3,4)
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy	=ROUND(420,4)
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy	=ROUND(700,40)
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation	=ROUND(1312.09,4)
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation	=ROUND(6555.36,4)
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation	=ROUND(359.03,4)
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation	=ROUND(1793.58,4)
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation	=ROUND(7174.33,4)
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	=ROUND((W220-T220)*(AE220)*P220/1000,4)
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture	=ROUND((W221-T221)*(AE221)*P221/1000,4)
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	=ROUND((W222-T222)*(AE222)*P222/1000,4)
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture	=ROUND((W223-T223)*(AE223)*P223/1000,4)
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	=ROUND((W224-T224)*(AE224)*P224/1000,4)
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture	=ROUND((W225-T225)*(AE225)*P225/1000,4)
Business Standard	Exterior LED replacing >400W HID	=ROUND((W226-T226)*(AE226)*P226/1000,4)
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	=ROUND((W227-T227)*(AE227)*P227/1000,4)
Business Standard	Exterior LED replacing 251-400W HID	=ROUND((W228-T228)*(AE228)*P228/1000,4)
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	=ROUND((W229-T229)*(AE229)*P229/1000,4)
Business Standard	Exterior LED replacing 175-250W HID	=ROUND((W230-T230)*(AE230)*P230/1000,4)
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	=ROUND((W231-T231)*(AE231)*P231/1000,4)
Business Standard	Exterior LED replacing <175W HID	=ROUND((W232-T232)*(AE232)*P232/1000,4)
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	=ROUND((W233-T233)*(AE233)*P233/1000,4)
Business Standard	Parking Garage LED replacing >175W HID	=ROUND((W234-T234)*(AE234)*P234/1000,4)
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	=ROUND((W235-T235)*(AE235)*P235/1000,4)
Business Standard	Parking Garage LED replacing 101W-175W HID	=ROUND((W236-T236)*(AE236)*P236/1000,4)
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	=ROUND((W237-T237)*(AE237)*P237/1000,4)
Business Standard	Parking Garage LED replacing <= 100W HID	=ROUND((W238-T238)*(AE238)*P238/1000,4)
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	=ROUND((W239-T239)*(AE239)*P239/1000,4)

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays	=ROUND(0.15818,4)
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends	=ROUND(0.15818,4)
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy	=ROUND(0.15,4)
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy	=ROUND(0.15,4)
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation	=ROUND(0.228,4)
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation	=ROUND(1.139,4)
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation	=ROUND(0,4)
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation	=ROUND(0,4)
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation	=ROUND(0,4)
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	=ROUND(0.103,4)
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture	=ROUND(K221*L221,4)
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	=ROUND(K222*L222,4)
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture	=ROUND(K223*L223,4)
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	=ROUND(K224*L224,4)
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture	=ROUND(K225*L225,4)
Business Standard	Exterior LED replacing >400W HID	=ROUND(K226*L226,4)
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	=ROUND(K227*L227,4)
Business Standard	Exterior LED replacing 251-400W HID	=ROUND(K228*L228,4)
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	=ROUND(K229*L229,4)
Business Standard	Exterior LED replacing 175-250W HID	=ROUND(K230*L230,4)
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	=ROUND(K231*L231,4)
Business Standard	Exterior LED replacing <175W HID	=ROUND(K232*L232,4)
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	=ROUND(K233*L233,4)
Business Standard	Parking Garage LED replacing >175W HID	=ROUND(K234*L234,4)
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	=ROUND(K235*L235,4)
Business Standard	Parking Garage LED replacing 101W-175W HID	=ROUND(K236*L236,4)
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	=ROUND(K237*L237,4)
Business Standard	Parking Garage LED replacing <= 100W HID	=ROUND(K238*L238,4)
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	=ROUND(K239*L239,4)

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[Link to CDD](#)

[Link to HDD](#)

Measure Description		Start/End Dates				
Program	Measure Name	Effective Start Date	Effective End Date	Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays	4/1/2016				
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends	4/1/2016				
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy	4/1/2016				
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy	4/1/2016				
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation	4/1/2016				
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation	4/1/2016				
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation	4/1/2016				
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation	4/1/2016				
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation	4/1/2016				
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	4/1/2016	4/6/2017			1.00
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture	4/7/2017				1.00
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	4/1/2016	4/6/2017			1.00
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture	4/7/2017				1.00
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	4/1/2016	4/6/2017			1.00
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture	4/7/2017				1.00
Business Standard	Exterior LED replacing >400W HID	4/1/2016	4/6/2017			1.00
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00
Business Standard	Exterior LED replacing 251-400W HID	4/1/2016	4/6/2017			1.00
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00
Business Standard	Exterior LED replacing 175-250W HID	4/1/2016	4/6/2017			1.00
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00
Business Standard	Exterior LED replacing <175W HID	4/1/2016	4/6/2017			1.00
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00
Business Standard	Parking Garage LED replacing >175W HID	4/1/2016	4/6/2017			1.00
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00
Business Standard	Parking Garage LED replacing 101W-175W HID	4/1/2016	4/6/2017			1.00
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00
Business Standard	Parking Garage LED replacing <= 100W HID	4/1/2016	4/6/2017			1.00
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends			
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy			
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation			
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	Waste Heat Factor_Energy		1.00
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture	Waste Heat Factor_Energy		1.00
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	Waste Heat Factor_Energy		1.00
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture	Waste Heat Factor_Energy		1.00
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	Waste Heat Factor_Energy		1.00
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture	Waste Heat Factor_Energy		1.00
Business Standard	Exterior LED replacing >400W HID	Waste Heat Factor_Energy		1.00
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00
Business Standard	Exterior LED replacing 251-400W HID	Waste Heat Factor_Energy		1.00
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00
Business Standard	Exterior LED replacing 175-250W HID	Waste Heat Factor_Energy		1.00
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00
Business Standard	Exterior LED replacing <175W HID	Waste Heat Factor_Energy		1.00
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00
Business Standard	Parking Garage LED replacing >175W HID	Waste Heat Factor_Energy		1.00
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00
Business Standard	Parking Garage LED replacing 101W-175W HID	Waste Heat Factor_Energy		1.00
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00
Business Standard	Parking Garage LED replacing <= 100W HID	Waste Heat Factor_Energy		1.00
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends			
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy			
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation			
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	Waste Heat Factor_Demand		
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture	Waste Heat Factor_Demand		
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	Waste Heat Factor_Demand		
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture	Waste Heat Factor_Demand		
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	Waste Heat Factor_Demand		
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture	Waste Heat Factor_Demand		
Business Standard	Exterior LED replacing >400W HID	Waste Heat Factor_Demand		
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		
Business Standard	Exterior LED replacing 251-400W HID	Waste Heat Factor_Demand		
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		
Business Standard	Exterior LED replacing 175-250W HID	Waste Heat Factor_Demand		
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		
Business Standard	Exterior LED replacing <175W HID	Waste Heat Factor_Demand		
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		
Business Standard	Parking Garage LED replacing >175W HID	Waste Heat Factor_Demand		
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		
Business Standard	Parking Garage LED replacing 101W-175W HID	Waste Heat Factor_Demand		
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		
Business Standard	Parking Garage LED replacing <= 100W HID	Waste Heat Factor_Demand		
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends			
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy			
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation			
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture			
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture			
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture			
Business Standard	Exterior LED replacing >400W HID			
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 251-400W HID			
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 175-250W HID			
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing <175W HID			
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing >175W HID			
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing 101W-175W HID			
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing <= 100W HID			
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends			
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy			
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation			
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture			
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture			
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture			
Business Standard	Exterior LED replacing >400W HID			
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 251-400W HID			
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 175-250W HID			
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing <175W HID			
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing >175W HID			
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing 101W-175W HID			
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing <= 100W HID			
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>		<i>Quantities</i>		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends			
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy			
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation			
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture			
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture			
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture			
Business Standard	Exterior LED replacing >400W HID			
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 251-400W HID			
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 175-250W HID			
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing <175W HID			
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing >175W HID			
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing 101W-175W HID			
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing <= 100W HID			
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends			
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy			
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation			
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture			
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture			
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture			
Business Standard	Exterior LED replacing >400W HID			
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 251-400W HID			
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 175-250W HID			
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing <175W HID			
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing >175W HID			
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing 101W-175W HID			
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing <= 100W HID			
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends			
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy			
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation			
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture			
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture			
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture			
Business Standard	Exterior LED replacing >400W HID			
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 251-400W HID			
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 175-250W HID			
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing <175W HID			
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing >175W HID			
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing 101W-175W HID			
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing <= 100W HID			
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends			
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy			
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation			
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture			
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture			
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture			
Business Standard	Exterior LED replacing >400W HID			
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 251-400W HID			
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 175-250W HID			
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing <175W HID			
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing >175W HID			
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing 101W-175W HID			
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing <= 100W HID			
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays			
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends			
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy			
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation			
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation			
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation			
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture			
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture			
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture			
Business Standard	Exterior LED replacing >400W HID			
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 251-400W HID			
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing 175-250W HID			
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Business Standard	Exterior LED replacing <175W HID			
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing >175W HID			
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing 101W-175W HID			
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Business Standard	Parking Garage LED replacing <= 100W HID			
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays		
Business Standard	Variable Speed Drive Compressor - 3 shift weekdays plus weekends		
Business Standard	Advanced Rooftop Unit Controls, 2000-4000 annual hours occupancy		
Business Standard	Advanced Rooftop Unit Controls, > 4000 annual hours occupancy		
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Domestic Hot Water Recirculation		
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Domestic Hot Water Recirculation		
Business Standard	Variable Speed ECM Pump, <100 Watts Max Input, Heating Water Circulation		
Business Standard	Variable Speed ECM Pump, 100 - 500 Watts Max Input, Heating Water Circulation		
Business Standard	Variable Speed ECM Pump, >500 Watts Max Input, Heating Water Circulation		
Business Standard	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID		
Business Standard	Parking Garage 4ft 3 Lamp T5/T5HO or T8 replacing > 175W Fixture		
Business Standard	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID		
Business Standard	Parking Garage 4ft 2 Lamp T5/T5HO or T8 replacing 101W-175W Fixture		
Business Standard	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID		
Business Standard	Parking Garage 4ft 1 Lamp T5/T5HO or T8 replacing <= 100W Fixture		
Business Standard	Exterior LED replacing >400W HID		
Business Standard	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp		
Business Standard	Exterior LED replacing 251-400W HID		
Business Standard	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp		
Business Standard	Exterior LED replacing 175-250W HID		
Business Standard	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp		
Business Standard	Exterior LED replacing <175W HID		
Business Standard	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp		
Business Standard	Parking Garage LED replacing >175W HID		
Business Standard	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp		
Business Standard	Parking Garage LED replacing 101W-175W HID		
Business Standard	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp		
Business Standard	Parking Garage LED replacing <= 100W HID		
Business Standard	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp		

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Measure Description					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	166	All	Lighting	Annual Operating
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	166.1	All	Lighting	Annual Operating
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	167	All	Lighting	Annual Operating
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	167.1	All	Lighting	Annual Operating
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	168	All	Lighting	Annual Operating
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	168.1	All	Lighting	Annual Operating
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	169	All	Lighting	Annual Operating
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	169.1	All	Lighting	Annual Operating
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	170	All	Lighting	Annual Operating
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	170.1	All	Lighting	Annual Operating
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	171	All	Lighting	Annual Operating
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	171.1	All	Lighting	Annual Operating
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	172	All	Lighting	Annual Operating
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	172.1	All	Lighting	Annual Operating
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	173	All	Lighting	Annual Operating
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	173.1	All	Lighting	Annual Operating
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)	174	All	Lighting	Annual Operating
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	174.1	All	Lighting	Annual Operating
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)	175	All	Lighting	Annual Operating
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	175.1	All	Lighting	Annual Operating
Business Standard	LED Downlight or Retrofit Kit <= 13W	176	All	Lighting	Annual Operating
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	176.1	All	Lighting	Annual Operating
Business Standard	LED Downlight or Retrofit Kit 14 to 21W	177	All	Lighting	Annual Operating
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	177.1	All	Lighting	Annual Operating
Business Standard	LED Downlight or Retrofit Kit >= 22W	178	All	Lighting	Annual Operating
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	178.1	All	Lighting	Annual Operating

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<i>Measure Description</i>					
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	per lamp	\$24.00	54.4896	
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	per lamp	\$24.00	54.4896	
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	per lamp	\$22.00	34.6752	
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	per lamp	\$22.00	34.6752	
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	per fixture	\$155.00	199.7730	
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	per fixture	\$155.00	199.7730	
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	per fixture	\$145.00	257.8703	
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	per fixture	\$145.00	257.8703	
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	per fixture	\$130.00	194.8194	
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	per fixture	\$130.00	194.8194	
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	per fixture	\$180.00	209.6802	
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	per fixture	\$180.00	209.6802	
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	per fixture	\$170.00	257.8703	
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	per fixture	\$170.00	257.8703	
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	per fixture	\$155.00	204.7266	
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	per fixture	\$155.00	204.7266	
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)	per door	\$230.00	594.9354	
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	per door	\$230.00	594.9354	
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)	per door	\$230.00	641.3488	
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	per door	\$230.00	641.3488	
Business Standard	LED Downlight or Retrofit Kit <= 13W	per fixture	\$35.00	195.0768	
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	per fixture	\$35.00	195.0768	
Business Standard	LED Downlight or Retrofit Kit 14 to 21W	per fixture	\$68.00	321.8767	
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	per fixture	\$68.00	321.8767	
Business Standard	LED Downlight or Retrofit Kit >= 22W	per fixture	\$120.00	512.0766	
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	per fixture	\$120.00	512.0766	

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Measure Description		Gross Measure Values			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	0.02	75%		0.0124
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	0.02	75%		0.0124
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	0.01	75%		0.0079
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	0.01	75%		0.0079
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	0.06	75%		0.0454
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	0.06	75%		0.0454
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	0.08	75%		0.0586
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	0.08	75%		0.0586
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	0.06	75%		0.0442
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	0.06	75%		0.0442
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	0.06	75%		0.0476
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	0.06	75%		0.0476
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	0.08	75%		0.0586
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	0.08	75%		0.0586
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	0.06	75%		0.0465
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	0.06	75%		0.0465
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)	0.15	92%		0.1387
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	0.15	92%		0.1387
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)	0.16	92%		0.1450
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	0.16	92%		0.1450
Business Standard	LED Downlight or Retrofit Kit <= 13W	0.06	70%		0.0423
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	0.06	70%		0.0423
Business Standard	LED Downlight or Retrofit Kit 14 to 21W	0.10	70%		0.0698
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	0.10	70%		0.0698
Business Standard	LED Downlight or Retrofit Kit >= 22W	0.16	70%		0.1110
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	0.16	70%		0.1110

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Measure Description					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)		4,128		12
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp		4,128		12
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp		4,128		12
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp		4,128		12
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO		4,128		12
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture		4,128		12
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO		4,128		12
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture		4,128		12
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO		4,128		12
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture		4,128		12
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO		4,128		12
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture		4,128		12
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO		4,128		12
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture		4,128		12
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO		4,128		12
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture		4,128		12
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)		6,205		8
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft		6,205		8
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)		6,205		8
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft		6,205		8
Business Standard	LED Downlight or Retrofit Kit <= 13W		3,933		13
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture		3,933		13
Business Standard	LED Downlight or Retrofit Kit 14 to 21W		3,933		13
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture		3,933		13
Business Standard	LED Downlight or Retrofit Kit >= 22W		3,933		13
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture		3,933		13

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Measure Description		Efficiency Values		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	4-ft LED Linear Replacement Lamps	18	
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	4-ft LED Linear Replacement Lamps	18	
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	2-ft LED Linear Replacement Lamps	10	
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	2-ft LED Linear Replacement Lamps	10	
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	LED 1X4 Retrofit Kits	37	
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	LED 1X4 Retrofit Kits	37	
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	LED 2X4 Retrofit Kits	46	
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	LED 2X4 Retrofit Kits	46	
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	LED 2X2 Retrofit Kits	38	
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	LED 2X2 Retrofit Kits	38	
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	LED 1X4 Troffer or Linear Ambient Fixtu	35	
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	LED 1X4 Troffer or Linear Ambient Fixtu	35	
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	replacing T8, T12 or T5/T5HO	46	
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	replacing T8, T12 or T5/T5HO fixture	46	
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	replacing T8, T12 or T5/T5HO	36	
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	replacing T8, T12 or T5/T5HO fixture	36	
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)	LED Refrigerated (Medium Temp) Case	34	
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	LED Refrigerated (Medium Temp) Case	34	
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)	LED Freezer (Low Temp) Case Light Fixtu	34	
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	LED Freezer (Low Temp) Case Light Fixtu	34	
Business Standard	LED Downlight or Retrofit Kit <= 13W	LED Downlight or Retrofit Kit ≤ 13W	11	
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	LED Downlight or Retrofit Kit ≤ 13W	11	
Business Standard	LED Downlight or Retrofit Kit 14 to 21W	LED Downlight or Retrofit Kit 14 to 21W	18	
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	LED Downlight or Retrofit Kit 14 to 21W	18	
Business Standard	LED Downlight or Retrofit Kit >= 22W	LED Downlight or Retrofit Kit ≥ 22W	28	
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	LED Downlight or Retrofit Kit ≥ 22W	28	

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	32W 4-ft T8 with Electronic NBF Ballast	29	
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	32W 4-ft T8 with Electronic NBF Ballast	29	
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	17W 2-ft T8 with Electronic NBF Ballast	17	
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	17W 2-ft T8 with Electronic NBF Ballast	17	
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	1x4 T8, T12 or T5 Fluorescents	77	
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	1x4 T8, T12 or T5 Fluorescents	77	
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	2x4 T8, T12 or T5 Fluorescents	98	
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	2x4 T8, T12 or T5 Fluorescents	98	
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	2x2 T8, T12 or T5 Fluorescents	77	
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	2x2 T8, T12 or T5 Fluorescents	77	
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	1X4 Troffer or Linear Ambient T8, T12 or T	77	
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	1X4 Troffer or Linear Ambient T8, T12 or T	77	
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	2X4 Troffer or Linear Ambient T8, T12 or T	98	
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	2X4 Troffer or Linear Ambient T8, T12 or T	98	
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	2X2 Troffer or Linear Ambient T8, T12 or T	77	
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	2X2 Troffer or Linear Ambient T8, T12 or T	77	
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)	Linear Fluorescent T12 and T8 Fixtures	102	
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	Linear Fluorescent T12 and T8 Fixtures	102	
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)	Linear Fluorescent T12 and T8 Fixtures	102	
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	Linear Fluorescent T12 and T8 Fixtures	102	
Business Standard	LED Downlight or Retrofit Kit <= 13W	Incandescent and Halogen Downlights < 100	51	
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	Incandescent and Halogen Downlights < 100	51	
Business Standard	LED Downlight or Retrofit Kit 14 to 21W	Incandescent and Halogen Downlights 100	84	
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	Incandescent and Halogen Downlights 100	84	
Business Standard	LED Downlight or Retrofit Kit >= 22W	Incandescent, HID and Halogen Downlight	133	
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	Incandescent, HID and Halogen Downlight	133	

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Measure Description		Al
Program	Measure Name	Electric Energy Savings Algorithm
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	=ROUND((W240-T240)*(AE240)*P240/1000,4)
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	=ROUND((W241-T241)*(AE241)*P241/1000,4)
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	=ROUND((W242-T242)*(AE242)*P242/1000,4)
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	=ROUND((W243-T243)*(AE243)*P243/1000,4)
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	=ROUND((W244-T244)*(AE244)*P244/1000,4)
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	=ROUND((W245-T245)*(AE245)*P245/1000,4)
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	=ROUND((W246-T246)*(AE246)*P246/1000,4)
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	=ROUND((W247-T247)*(AE247)*P247/1000,4)
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	=ROUND((W248-T248)*(AE248)*P248/1000,4)
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	=ROUND((W249-T249)*(AE249)*P249/1000,4)
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	=ROUND((W250-T250)*(AE250)*P250/1000,4)
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	=ROUND((W251-T251)*(AE251)*P251/1000,4)
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	=ROUND((W252-T252)*(AE252)*P252/1000,4)
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	=ROUND((W253-T253)*(AE253)*P253/1000,4)
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	=ROUND((W254-T254)*(AE254)*P254/1000,4)
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	=ROUND((W255-T255)*(AE255)*P255/1000,4)
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)	=ROUND((W256-T256)/1000*P256*AE256,4)
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	=ROUND((W257-T257)/1000*P257*AE257,4)
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)	=ROUND((W258-T258)/1000*P258*AE258,4)
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	=ROUND((W259-T259)/1000*P259*AE259,4)
Business Standard	LED Downlight or Retrofit Kit <= 13W	=ROUND((W260-T260)*(AE260)*P260/1000,4)
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	=ROUND((W261-T261)*(AE261)*P261/1000,4)
Business Standard	LED Downlight or Retrofit Kit 14 to 21W	=ROUND((W262-T262)*(AE262)*P262/1000,4)
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	=ROUND((W263-T263)*(AE263)*P263/1000,4)
Business Standard	LED Downlight or Retrofit Kit >= 22W	=ROUND((W264-T264)*(AE264)*P264/1000,4)
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	=ROUND((W265-T265)*(AE265)*P265/1000,4)

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	=ROUND(K240*L240,4)
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	=ROUND(K241*L241,4)
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	=ROUND(K242*L242,4)
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	=ROUND(K243*L243,4)
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	=ROUND(K244*L244,4)
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	=ROUND(K245*L245,4)
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	=ROUND(K246*L246,4)
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	=ROUND(K247*L247,4)
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	=ROUND(K248*L248,4)
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	=ROUND(K249*L249,4)
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	=ROUND(K250*L250,4)
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	=ROUND(K251*L251,4)
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	=ROUND(K252*L252,4)
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	=ROUND(K253*L253,4)
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	=ROUND(K254*L254,4)
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	=ROUND(K255*L255,4)
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)	=ROUND(K256*L256,4)
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	=ROUND(K257*L257,4)
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)	=ROUND(K258*L258,4)
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	=ROUND(K259*L259,4)
Business Standard	LED Downlight or Retrofit Kit <= 13W	=ROUND(K260*L260,4)
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	=ROUND(K261*L261,4)
Business Standard	LED Downlight or Retrofit Kit 14 to 21W	=ROUND(K262*L262,4)
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	=ROUND(K263*L263,4)
Business Standard	LED Downlight or Retrofit Kit >= 22W	=ROUND(K264*L264,4)
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	=ROUND(K265*L265,4)

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[Link to CDD](#)

[Link to HDD](#)

Measure Description		Start/End Dates				
Program	Measure Name	Effective Start Date	Effective End Date	Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	4/1/2016	4/6/2017			1.20
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	4/7/2017				1.20
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	4/1/2016	4/6/2017			1.20
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	4/7/2017				1.20
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	4/1/2016	4/6/2017			1.20
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	4/7/2017				1.20
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	4/1/2016	4/6/2017			1.20
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	4/7/2017				1.20
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	4/1/2016	4/6/2017			1.20
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	4/7/2017				1.20
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	4/1/2016	4/6/2017			1.20
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	4/7/2017				1.20
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	4/1/2016	4/6/2017			1.20
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	4/7/2017				1.20
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	4/1/2016	4/6/2017			1.20
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	4/7/2017				1.20
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)	4/1/2016	4/6/2017			1.41
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	4/7/2017				1.41
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)	4/1/2016	4/6/2017			1.52
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	4/7/2017				1.52
Business Standard	LED Downlight or Retrofit Kit <= 13W	4/1/2016	4/6/2017			1.24
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	4/7/2017				1.24
Business Standard	LED Downlight or Retrofit Kit 14 to 21W	4/1/2016	4/6/2017			1.24
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	4/7/2017				1.24
Business Standard	LED Downlight or Retrofit Kit >= 22W	4/1/2016	4/6/2017			1.24
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	4/7/2017				1.24

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	Waste Heat Factor_Energy		1.50
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	Waste Heat Factor_Energy		1.50
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	Waste Heat Factor_Energy		1.50
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	Waste Heat Factor_Energy		1.50
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	Waste Heat Factor_Energy		1.50
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Energy		1.50
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	Waste Heat Factor_Energy		1.50
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Energy		1.50
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	Waste Heat Factor_Energy		1.50
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Energy		1.50
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	Waste Heat Factor_Energy		1.50
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Energy		1.50
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	Waste Heat Factor_Energy		1.50
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Energy		1.50
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	Waste Heat Factor_Energy		1.50
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Energy		1.50
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)	Waste Heat Factor_Energy		1.41
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	Waste Heat Factor_Energy		1.41
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)	Waste Heat Factor_Energy		1.52
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	Waste Heat Factor_Energy		1.52
Business Standard	LED Downlight or Retrofit Kit <= 13W	Waste Heat Factor_Energy		1.51
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	Waste Heat Factor_Energy		1.51
Business Standard	LED Downlight or Retrofit Kit 14 to 21W	Waste Heat Factor_Energy		1.51
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	Waste Heat Factor_Energy		1.51
Business Standard	LED Downlight or Retrofit Kit >= 22W	Waste Heat Factor_Energy		1.51
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	Waste Heat Factor_Energy		1.51

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	Waste Heat Factor_Demand		
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	Waste Heat Factor_Demand		
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	Waste Heat Factor_Demand		
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	Waste Heat Factor_Demand		
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	Waste Heat Factor_Demand		
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Demand		
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	Waste Heat Factor_Demand		
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Demand		
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	Waste Heat Factor_Demand		
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Demand		
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	Waste Heat Factor_Demand		
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Demand		
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	Waste Heat Factor_Demand		
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Demand		
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	Waste Heat Factor_Demand		
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Demand		
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)	Waste Heat Factor_Demand		
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	Waste Heat Factor_Demand		
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)	Waste Heat Factor_Demand		
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	Waste Heat Factor_Demand		
Business Standard	LED Downlight or Retrofit Kit <= 13W	Waste Heat Factor_Demand		
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	Waste Heat Factor_Demand		
Business Standard	LED Downlight or Retrofit Kit 14 to 21W	Waste Heat Factor_Demand		
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	Waste Heat Factor_Demand		
Business Standard	LED Downlight or Retrofit Kit >= 22W	Waste Heat Factor_Demand		
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	Waste Heat Factor_Demand		

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)			
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Downlight or Retrofit Kit <= 13W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Business Standard	LED Downlight or Retrofit Kit 14 to 21W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Business Standard	LED Downlight or Retrofit Kit >= 22W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)			
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Downlight or Retrofit Kit <= 13W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Business Standard	LED Downlight or Retrofit Kit 14 to 21W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Business Standard	LED Downlight or Retrofit Kit >= 22W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			

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<i>Measure Description</i>		<i>Quantities</i>		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)			
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Downlight or Retrofit Kit <= 13W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Business Standard	LED Downlight or Retrofit Kit 14 to 21W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Business Standard	LED Downlight or Retrofit Kit >= 22W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)			
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Downlight or Retrofit Kit <= 13W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Business Standard	LED Downlight or Retrofit Kit 14 to 21W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Business Standard	LED Downlight or Retrofit Kit >= 22W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)			
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Downlight or Retrofit Kit <= 13W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Business Standard	LED Downlight or Retrofit Kit 14 to 21W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Business Standard	LED Downlight or Retrofit Kit >= 22W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)			
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Downlight or Retrofit Kit <= 13W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Business Standard	LED Downlight or Retrofit Kit 14 to 21W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Business Standard	LED Downlight or Retrofit Kit >= 22W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)			
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			
Business Standard	LED Downlight or Retrofit Kit <= 13W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Business Standard	LED Downlight or Retrofit Kit 14 to 21W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Business Standard	LED Downlight or Retrofit Kit >= 22W			
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Business Standard	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)		
Business Standard	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp		
Business Standard	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp		
Business Standard	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp		
Business Standard	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO		
Business Standard	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture		
Business Standard	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO		
Business Standard	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture		
Business Standard	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO		
Business Standard	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture		
Business Standard	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO		
Business Standard	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture		
Business Standard	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO		
Business Standard	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture		
Business Standard	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO		
Business Standard	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture		
Business Standard	LED Refrigerated Case Lights (4, 5, and 6-foot)		
Business Standard	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft		
Business Standard	LED Freezer Case Lights (4, 5, and 6-foot)		
Business Standard	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft		
Business Standard	LED Downlight or Retrofit Kit <= 13W		
Business Standard	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture		
Business Standard	LED Downlight or Retrofit Kit 14 to 21W		
Business Standard	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture		
Business Standard	LED Downlight or Retrofit Kit >= 22W		
Business Standard	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture		

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<i>Measure Description</i>					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Small Business Direct Install	Directional LED Bulb (<15W)	179	All	Lighting	
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp	179.1	All	Lighting	
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)	181	All	Lighting	
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	181.1	All	Lighting	
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	183	All	Lighting	
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	183.1	All	Lighting	
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System	186	All	Lighting	
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System	186.1	All	Lighting	
Small Business Direct Install	Omnidirectional LED Bulb (<10W)	187	All	Lighting	
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	187.1	All	Lighting	
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)	188	All	Lighting	
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	188.1	All	Lighting	
Small Business Direct Install	Wall-Mount Occupancy Sensor	190	All	Lighting	
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls	190.1	All	Lighting	
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	191	All	Lighting	
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture	191.1	All	Lighting	
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	192	All	Lighting	
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture	192.1	All	Lighting	
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	193	All	Lighting	
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture	193.1	All	Lighting	
Small Business Direct Install	Exterior LED replacing >400W HID	194	All	Lighting	
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	194.1	All	Lighting	
Small Business Direct Install	Exterior LED replacing 251-400W HID	195	All	Lighting	
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	195.1	All	Lighting	
Small Business Direct Install	Exterior LED replacing 175-250W HID	196	All	Lighting	
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	196.1	All	Lighting	
Small Business Direct Install	Exterior LED replacing <175W HID	197	All	Lighting	
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	197.1	All	Lighting	

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Measure Description					
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source
Small Business Direct Install	Directional LED Bulb (<15W)	per lamp	\$18.00	277.2765	
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp	per lamp	\$18.00	277.2765	
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)	per fixture	\$220.00	1,478.4696	
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	per fixture	\$220.00	1,478.4696	
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	per fixture	\$200.00	677.6319	
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	per fixture	\$200.00	677.6319	
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System	per lamp	\$70.00	337.5878	
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System	per lamp	\$70.00	337.5878	
Small Business Direct Install	Omnidirectional LED Bulb (<10W)	per lamp	\$12.00	211.5000	
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	per lamp	\$12.00	211.5000	
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)	per lamp	\$20.00	360.4595	
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	per lamp	\$20.00	360.4595	
Small Business Direct Install	Wall-Mount Occupancy Sensor	per sensor	\$84.00	323.0366	
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls	per sensor	\$84.00	323.0366	
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	per fixture	\$136.00	902.2800	
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture	per fixture	\$136.00	902.2800	
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	per fixture	\$105.00	981.1200	
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture	per fixture	\$105.00	981.1200	
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	per fixture	\$74.00	613.2000	
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture	per fixture	\$74.00	613.2000	
Small Business Direct Install	Exterior LED replacing >400W HID	per fixture	\$1,182.50	2,661.7000	
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	per fixture	\$1,182.50	2,661.7000	
Small Business Direct Install	Exterior LED replacing 251-400W HID	per fixture	\$535.00	1,191.1000	
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	per fixture	\$535.00	1,191.1000	
Small Business Direct Install	Exterior LED replacing 175-250W HID	per fixture	\$398.80	602.0000	
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	per fixture	\$398.80	602.0000	
Small Business Direct Install	Exterior LED replacing <175W HID	per fixture	\$299.75	490.2000	
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	per fixture	\$299.75	490.2000	

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Measure Description		Gross Measure Values			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Small Business Direct Install	Directional LED Bulb (<15W)	0.067	70%		0.0469
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp	0.067	70%		0.0469
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)	0.322	78%		0.2508
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	0.322	78%		0.2508
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	0.147	78%		0.1150
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	0.147	78%		0.1150
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System	0.078	75%		0.0583
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System	0.078	75%		0.0583
Small Business Direct Install	Omnidirectional LED Bulb (<10W)	0.054	65%		0.0348
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	0.054	65%		0.0348
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)	0.087	70%		0.0610
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	0.087	70%		0.0610
Small Business Direct Install	Wall-Mount Occupancy Sensor	0.074	95%		0.0707
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls	0.074	95%		0.0707
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	0.103	100%		0.1030
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture	0.103	100%		0.1030
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	0.112	100%		0.1120
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture	0.112	100%		0.1120
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	0.070	100%		0.0700
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture	0.070	100%		0.0700
Small Business Direct Install	Exterior LED replacing >400W HID	0.619	0%		0.0000
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	0.619	0%		0.0000
Small Business Direct Install	Exterior LED replacing 251-400W HID	0.277	0%		0.0000
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	0.277	0%		0.0000
Small Business Direct Install	Exterior LED replacing 175-250W HID	0.140	0%		0.0000
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	0.140	0%		0.0000
Small Business Direct Install	Exterior LED replacing <175W HID	0.114	0%		0.0000
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	0.114	0%		0.0000

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<i>Measure Description</i>					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Small Business Direct Install	Directional LED Bulb (<15W)		3,933		7
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp		3,933		7
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)		4,369		12
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture		4,369		12
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)		4,369		12
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture		4,369		12
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System		4,128		12
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System		4,128		12
Small Business Direct Install	Omnidirectional LED Bulb (<10W)		3,750		7
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp		3,750		7
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)		3,933		7
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp		3,933		7
Small Business Direct Install	Wall-Mount Occupancy Sensor		4,128		8
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls		4,128		8
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID		8,760		6
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture		8,760		6
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID		8,760		6
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture		8,760		6
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID		8,760		6
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture		8,760		6
Small Business Direct Install	Exterior LED replacing >400W HID		4,300		12
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp		4,300		12
Small Business Direct Install	Exterior LED replacing 251-400W HID		4,300		12
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp		4,300		12
Small Business Direct Install	Exterior LED replacing 175-250W HID		4,300		12
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp		4,300		12
Small Business Direct Install	Exterior LED replacing <175W HID		4,300		12
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp		4,300		12

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Measure Description		Efficiency Values		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Small Business Direct Install	Directional LED Bulb (<15W)	LED (watts)	10	
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp	LED (watts)	10	
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)	High Bay T8 (>4 lamps, wattage)	240	
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	High Bay T8 (>4 lamps, wattage)	240	
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	High Bay T5 (≤4 lamps, wattage)	110	
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	High Bay T5 (≤4 lamps, wattage)	110	
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System	Remove T8	0	
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System	Remove T8	0	
Small Business Direct Install	Omnidirectional LED Bulb (<10W)	LED (watts)	8	
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	LED (watts)	8	
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)	LED (watts)	13	
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	LED (watts)	13	
Small Business Direct Install	Wall-Mount Occupancy Sensor	Wall-Mount Occupancy Sensor	185	
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls	Wall-Mount Occupancy Sensor	185	
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	4-ft 3L to 4L 4' T5, T5HO or T8	155	
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture	4-ft 3L to 4L 4' T5, T5HO or T8	155	
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	4-ft 2L to 3L 4' T5, T5HO or T8	84	
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture	4-ft 2L to 3L 4' T5, T5HO or T8	84	
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	4-ft 1L to 2L 4' T5, T5HO or T8	54	
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture	4-ft 1L to 2L 4' T5, T5HO or T8	54	
Small Business Direct Install	Exterior LED replacing >400W HID	LED Exterior Lighting Fixtures (Includes \$	412	
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	LED Exterior Lighting Fixtures (Includes \$	412	
Small Business Direct Install	Exterior LED replacing 251-400W HID	LED Exterior Lighting Fixtures (Includes \$	167	
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	LED Exterior Lighting Fixtures (Includes \$	167	
Small Business Direct Install	Exterior LED replacing 175-250W HID	LED Exterior Lighting Fixtures (Includes \$	82	
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	LED Exterior Lighting Fixtures (Includes \$	82	
Small Business Direct Install	Exterior LED replacing <175W HID	LED Exterior Lighting Fixtures (Includes \$	37	
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	LED Exterior Lighting Fixtures (Includes \$	37	

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Small Business Direct Install	Directional LED Bulb (<15W)	Incandescent (watts)	60	
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp	Incandescent (watts)	60	
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)	Metal Halide (watts)	480	
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	Metal Halide (watts)	480	
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	Metal Halide (watts)	220	
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	Metal Halide (watts)	220	
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System	T8 8 ft (watts)	58	
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System	T8 8 ft (watts)	58	
Small Business Direct Install	Omnidirectional LED Bulb (<10W)	EISA tier 1 compliant Halogen (watts)	48	
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	EISA tier 1 compliant Halogen (watts)	48	
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)	EISA tier 1 compliant Halogen (watts)	78	
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	EISA tier 1 compliant Halogen (watts)	78	
Small Business Direct Install	Wall-Mount Occupancy Sensor	No Control		
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls	No Control		
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	200W - 250W HID Fixture	258	
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture	200W - 250W HID Fixture	258	
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	125W - 175W HID Fixture	196	
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture	125W - 175W HID Fixture	196	
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	≤ 100 W HID Fixture	124	
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture	≤ 100 W HID Fixture	124	
Small Business Direct Install	Exterior LED replacing >400W HID	> 400 W HID Fixture	1031	
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	> 400 W HID Fixture	1031	
Small Business Direct Install	Exterior LED replacing 251-400W HID	320 W Pulse Start and 400W MH/HPS Fixture	444	
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	320 W Pulse Start and 400W MH/HPS Fixture	444	
Small Business Direct Install	Exterior LED replacing 175-250W HID	175 W HID - 250 W HID Fixture	222	
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	175 W HID - 250 W HID Fixture	222	
Small Business Direct Install	Exterior LED replacing <175W HID	< 175 W HID Fixture	151	
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	< 175 W HID Fixture	151	

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Measure Description		A
Program	Measure Name	Electric Energy Savings Algorithm
Small Business Direct Install	Directional LED Bulb (<15W)	=ROUND((W266-T266)*(AE266)*P266/1000,4)
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp	=ROUND((W267-T267)*(AE267)*P267/1000,4)
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)	=ROUND((W268-T268)*(AE268)*P268/1000,4)
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	=ROUND((W269-T269)*(AE269)*P269/1000,4)
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	=ROUND((W270-T270)*(AE270)*P270/1000,4)
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	=ROUND((W271-T271)*(AE271)*P271/1000,4)
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System	=ROUND((W272-T272)/1000*P272*AE272,4)
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System	=ROUND((W273-T273)/1000*P273*AE273,4)
Small Business Direct Install	Omnidirectional LED Bulb (<10W)	=ROUND((W274-T274)/1000*P274*AE274,4)
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	=ROUND((W275-T275)/1000*P275*AE275,4)
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)	=ROUND((W276-T276)/1000*P276*AE276,4)
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	=ROUND((W277-T277)/1000*P277*AE277,4)
Small Business Direct Install	Wall-Mount Occupancy Sensor	=ROUND(T278/1000*AK278*P278*AE278,4)
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls	=ROUND(T279/1000*AK279*P279*AE279,4)
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	=ROUND((W280-T280)*(AE280)*P280/1000,4)
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture	=ROUND((W281-T281)*(AE281)*P281/1000,4)
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	=ROUND((W282-T282)*(AE282)*P282/1000,4)
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture	=ROUND((W283-T283)*(AE283)*P283/1000,4)
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	=ROUND((W284-T284)*(AE284)*P284/1000,4)
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture	=ROUND((W285-T285)*(AE285)*P285/1000,4)
Small Business Direct Install	Exterior LED replacing >400W HID	=ROUND((W286-T286)*(AE286)*P286/1000,4)
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	=ROUND((W287-T287)*(AE287)*P287/1000,4)
Small Business Direct Install	Exterior LED replacing 251-400W HID	=ROUND((W288-T288)*(AE288)*P288/1000,4)
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	=ROUND((W289-T289)*(AE289)*P289/1000,4)
Small Business Direct Install	Exterior LED replacing 175-250W HID	=ROUND((W290-T290)*(AE290)*P290/1000,4)
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	=ROUND((W291-T291)*(AE291)*P291/1000,4)
Small Business Direct Install	Exterior LED replacing <175W HID	=ROUND((W292-T292)*(AE292)*P292/1000,4)
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	=ROUND((W293-T293)*(AE293)*P293/1000,4)

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Small Business Direct Install	Directional LED Bulb (<15W)	=ROUND(K266*L266,4)
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp	=ROUND(K267*L267,4)
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)	=ROUND(K268*L268,4)
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	=ROUND(K269*L269,4)
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	=ROUND(K270*L270,4)
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	=ROUND(K271*L271,4)
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System	=ROUND(K272*L272,4)
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System	=ROUND(K273*L273,4)
Small Business Direct Install	Omnidirectional LED Bulb (<10W)	=ROUND(K274*L274,4)
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	=ROUND(K275*L275,4)
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)	=ROUND(K276*L276,4)
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	=ROUND(K277*L277,4)
Small Business Direct Install	Wall-Mount Occupancy Sensor	=ROUND(K278*L278,4)
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls	=ROUND(K279*L279,4)
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	=ROUND(K280*L280,4)
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture	=ROUND(K281*L281,4)
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	=ROUND(K282*L282,4)
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture	=ROUND(K283*L283,4)
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	=ROUND(K284*L284,4)
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture	=ROUND(K285*L285,4)
Small Business Direct Install	Exterior LED replacing >400W HID	=ROUND(K286*L286,4)
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	=ROUND(K287*L287,4)
Small Business Direct Install	Exterior LED replacing 251-400W HID	=ROUND(K288*L288,4)
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	=ROUND(K289*L289,4)
Small Business Direct Install	Exterior LED replacing 175-250W HID	=ROUND(K290*L290,4)
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	=ROUND(K291*L291,4)
Small Business Direct Install	Exterior LED replacing <175W HID	=ROUND(K292*L292,4)
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	=ROUND(K293*L293,4)

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[Link to CDD](#)

[Link to HDD](#)

Measure Description		Start/End Dates				
Program	Measure Name	Effective Start Date	Effective End Date	Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Small Business Direct Install	Directional LED Bulb (<15W)	4/1/2016	4/6/2017			1.41
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp	4/7/2017				1.41
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)	4/1/2016	4/6/2017			1.41
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	4/7/2017				1.41
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	4/1/2016	4/6/2017			1.41
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	4/7/2017				1.41
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System	4/1/2016	4/6/2017			1.41
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System	4/7/2017				1.41
Small Business Direct Install	Omnidirectional LED Bulb (<10W)	4/1/2016	4/6/2017			1.41
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	4/7/2017				1.41
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)	4/1/2016	4/6/2017			1.41
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	4/7/2017				1.41
Small Business Direct Install	Wall-Mount Occupancy Sensor	4/1/2016	4/6/2017			1.41
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls	4/7/2017				1.41
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	4/1/2016	4/6/2017			1.00
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture	4/7/2017				1.00
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	4/1/2016	4/6/2017			1.00
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture	4/7/2017				1.00
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	4/1/2016	4/6/2017			1.00
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture	4/7/2017				1.00
Small Business Direct Install	Exterior LED replacing >400W HID	4/1/2016	4/6/2017			1.00
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00
Small Business Direct Install	Exterior LED replacing 251-400W HID	4/1/2016	4/6/2017			1.00
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00
Small Business Direct Install	Exterior LED replacing 175-250W HID	4/1/2016	4/6/2017			1.00
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00
Small Business Direct Install	Exterior LED replacing <175W HID	4/1/2016	4/6/2017			1.00
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Small Business Direct Install	Directional LED Bulb (<15W)	Waste Heat Factor		1.34
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp	Waste Heat Factor		1.34
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)	Waste Heat Factor		1.34
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	Waste Heat Factor		1.34
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	Waste Heat Factor		1.34
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	Waste Heat Factor		1.34
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System	Waste Heat Factor		1.34
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System	Waste Heat Factor		1.34
Small Business Direct Install	Omnidirectional LED Bulb (<10W)	Waste Heat Factor		1.34
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	Waste Heat Factor		1.34
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)	Waste Heat Factor		1.34
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	Waste Heat Factor		1.34
Small Business Direct Install	Wall-Mount Occupancy Sensor	Waste Heat Factor		1.34
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls	Waste Heat Factor		1.34
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Exterior LED replacing >400W HID	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Exterior LED replacing 251-400W HID	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Exterior LED replacing 175-250W HID	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Exterior LED replacing <175W HID	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Small Business Direct Install	Directional LED Bulb (<15W)	Waste Heat Factor		
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp	Waste Heat Factor		
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)	Waste Heat Factor		
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture	Waste Heat Factor		
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)	Waste Heat Factor		
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture	Waste Heat Factor		
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System	Waste Heat Factor		
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System	Waste Heat Factor		
Small Business Direct Install	Omnidirectional LED Bulb (<10W)	Waste Heat Factor		
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp	Waste Heat Factor		
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)	Waste Heat Factor		
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp	Waste Heat Factor		
Small Business Direct Install	Wall-Mount Occupancy Sensor	Waste Heat Factor		30%
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls	Waste Heat Factor		30%
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID	Waste Heat Factor_Demand		
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture	Waste Heat Factor_Demand		
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID	Waste Heat Factor_Demand		
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture	Waste Heat Factor_Demand		
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID	Waste Heat Factor_Demand		
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture	Waste Heat Factor_Demand		
Small Business Direct Install	Exterior LED replacing >400W HID	Waste Heat Factor_Demand		
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		
Small Business Direct Install	Exterior LED replacing 251-400W HID	Waste Heat Factor_Demand		
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		
Small Business Direct Install	Exterior LED replacing 175-250W HID	Waste Heat Factor_Demand		
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		
Small Business Direct Install	Exterior LED replacing <175W HID	Waste Heat Factor_Demand		
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Small Business Direct Install	Directional LED Bulb (<15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp			
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System			
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System			
Small Business Direct Install	Omnidirectional LED Bulb (<10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Small Business Direct Install	Wall-Mount Occupancy Sensor	ESF		
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls	ESF		
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture			
Small Business Direct Install	Exterior LED replacing >400W HID			
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 251-400W HID			
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 175-250W HID			
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing <175W HID			
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Small Business Direct Install	Directional LED Bulb (<15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp			
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System			
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System			
Small Business Direct Install	Omnidirectional LED Bulb (<10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Small Business Direct Install	Wall-Mount Occupancy Sensor			
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture			
Small Business Direct Install	Exterior LED replacing >400W HID			
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 251-400W HID			
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 175-250W HID			
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing <175W HID			
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>		<i>Quantities</i>		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Small Business Direct Install	Directional LED Bulb (<15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp			
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System			
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System			
Small Business Direct Install	Omnidirectional LED Bulb (<10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Small Business Direct Install	Wall-Mount Occupancy Sensor			
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture			
Small Business Direct Install	Exterior LED replacing >400W HID			
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 251-400W HID			
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 175-250W HID			
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing <175W HID			
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Small Business Direct Install	Directional LED Bulb (<15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp			
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System			
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System			
Small Business Direct Install	Omnidirectional LED Bulb (<10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Small Business Direct Install	Wall-Mount Occupancy Sensor			
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture			
Small Business Direct Install	Exterior LED replacing >400W HID			
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 251-400W HID			
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 175-250W HID			
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing <175W HID			
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Small Business Direct Install	Directional LED Bulb (<15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp			
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System			
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System			
Small Business Direct Install	Omnidirectional LED Bulb (<10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Small Business Direct Install	Wall-Mount Occupancy Sensor			
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture			
Small Business Direct Install	Exterior LED replacing >400W HID			
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 251-400W HID			
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 175-250W HID			
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing <175W HID			
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Small Business Direct Install	Directional LED Bulb (<15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp			
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System			
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System			
Small Business Direct Install	Omnidirectional LED Bulb (<10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Small Business Direct Install	Wall-Mount Occupancy Sensor			
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture			
Small Business Direct Install	Exterior LED replacing >400W HID			
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 251-400W HID			
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 175-250W HID			
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing <175W HID			
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Small Business Direct Install	Directional LED Bulb (<15W)			
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp			
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)			
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture			
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)			
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture			
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System			
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System			
Small Business Direct Install	Omnidirectional LED Bulb (<10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp			
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)			
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp			
Small Business Direct Install	Wall-Mount Occupancy Sensor			
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID			
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID			
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID			
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture			
Small Business Direct Install	Exterior LED replacing >400W HID			
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 251-400W HID			
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing 175-250W HID			
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Exterior LED replacing <175W HID			
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Small Business Direct Install	Directional LED Bulb (<15W)		
Small Business Direct Install	Interior Directional LED Lamp replacing 50-70W Lamp		
Small Business Direct Install	High Bay Fluorescent Fixture (HP T8 >4 lamps)		
Small Business Direct Install	High Performance High-Bay Fluorescent Fixture T8 > 4 Lamps Replacing HID Fixture		
Small Business Direct Install	High Bay Fluorescent Fixture w/ HE Electronic Ballast (T5 <=4 lamps)		
Small Business Direct Install	High-Bay Fluorescent Fixture T5 <= 4 Lamps w/ HE Electronic Ballast Replacing HID Fixture		
Small Business Direct Install	Lighting Optimization - Remove 8ft Lamp from T8 System		
Small Business Direct Install	Remove 8ft Lamp from T8 or T12 System		
Small Business Direct Install	Omnidirectional LED Bulb (<10W)		
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 40-60W Lamp		
Small Business Direct Install	Omnidirectional LED Bulb (>=10W)		
Small Business Direct Install	Interior Omnidirectional LED Lamp replacing 61-100W Lamp		
Small Business Direct Install	Wall-Mount Occupancy Sensor		
Small Business Direct Install	Interior Occupancy or Vacancy Sensor Replacing No Controls		
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W HID		
Small Business Direct Install	Parking Garage 4'3L T5, T5HP, or T8 replacing >175W fixture		
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W HID		
Small Business Direct Install	Parking Garage 4'2L T5, T5HP, or T8 replacing 101W-175W fixture		
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W HID		
Small Business Direct Install	Parking Garage 4'1L T5, T5HP, or T8 replacing <=100W fixture		
Small Business Direct Install	Exterior LED replacing >400W HID		
Small Business Direct Install	Exterior LED replacing > 400W Fixture or Mogul Screw-Base Lamp		
Small Business Direct Install	Exterior LED replacing 251-400W HID		
Small Business Direct Install	Exterior LED replacing 251W-400W Fixture or Mogul Screw-Base Lamp		
Small Business Direct Install	Exterior LED replacing 175-250W HID		
Small Business Direct Install	Exterior LED replacing 175W-250W Fixture or Mogul Screw-Base Lamp		
Small Business Direct Install	Exterior LED replacing <175W HID		
Small Business Direct Install	Exterior LED replacing < 175W Fixture or Mogul Screw-Base Lamp		

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<i>Measure Description</i>					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Small Business Direct Install	Parking Garage LED replacing >175W HID	198	All	Lighting	
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	198.1	All	Lighting	
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID	199	All	Lighting	
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	199.1	All	Lighting	
Small Business Direct Install	Parking Garage LED replacing <= 100W HID	200	All	Lighting	
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	200.1	All	Lighting	
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	201	All	Lighting	
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	201.1	All	Lighting	
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	202	All	Lighting	
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	202.1	All	Lighting	
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	203	All	Lighting	
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	203.1	All	Lighting	
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	204	All	Lighting	
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	204.1	All	Lighting	
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	205	All	Lighting	
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	205.1	All	Lighting	
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	206	All	Lighting	
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	206.1	All	Lighting	
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	207	All	Lighting	
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	207.1	All	Lighting	
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	208	All	Lighting	
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	208.1	All	Lighting	
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)	209	All	Lighting	
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	209.1	All	Lighting	
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)	210	All	Lighting	
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	210.1	All	Lighting	

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<i>Measure Description</i>					
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source
Small Business Direct Install	Parking Garage LED replacing >175W HID	per fixture	\$520.00	902.2800	
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	per fixture	\$520.00	902.2800	
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID	per fixture	\$380.00	981.1200	
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	per fixture	\$380.00	981.1200	
Small Business Direct Install	Parking Garage LED replacing <= 100W HID	per fixture	\$320.00	613.2000	
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	per fixture	\$320.00	613.2000	
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	per fixture	\$24.00	54.4896	
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	per fixture	\$24.00	54.4896	
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	per fixture	\$22.00	34.6752	
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	per fixture	\$22.00	34.6752	
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	per fixture	\$155.00	199.7730	
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	per fixture	\$155.00	199.7730	
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	per fixture	\$145.00	257.8703	
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	per fixture	\$145.00	257.8703	
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	per fixture	\$130.00	194.8194	
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	per fixture	\$130.00	194.8194	
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	per fixture	\$180.00	209.6802	
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	per fixture	\$180.00	209.6802	
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	per fixture	\$170.00	257.8703	
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	per fixture	\$170.00	257.8703	
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	per fixture	\$155.00	204.7266	
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	per fixture	\$155.00	204.7266	
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)	per fixture	\$230.00	594.9354	
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	per fixture	\$230.00	594.9354	
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)	per fixture	\$230.00	641.3488	
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	per fixture	\$230.00	641.3488	

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Measure Description		Gross Measure Values			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Small Business Direct Install	Parking Garage LED replacing >175W HID	0.103	100%		0.1030
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	0.103	100%		0.1030
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID	0.112	100%		0.1120
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	0.112	100%		0.1120
Small Business Direct Install	Parking Garage LED replacing <= 100W HID	0.070	100%		0.0700
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	0.070	100%		0.0700
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	0.017	75%		0.0124
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	0.017	75%		0.0124
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	0.011	75%		0.0079
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	0.011	75%		0.0079
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	0.060	75%		0.0454
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	0.060	75%		0.0454
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	0.078	75%		0.0586
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	0.078	75%		0.0586
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	0.059	75%		0.0442
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	0.059	75%		0.0442
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	0.063	75%		0.0476
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	0.063	75%		0.0476
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	0.078	75%		0.0586
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	0.078	75%		0.0586
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	0.062	75%		0.0465
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	0.062	75%		0.0465
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)	0.096	92%		0.0882
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	0.096	92%		0.0882
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)	0.103	92%		0.0951
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	0.103	92%		0.0951

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<i>Measure Description</i>					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Small Business Direct Install	Parking Garage LED replacing >175W HID		8,760		6
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp		8,760		6
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID		8,760		6
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp		8,760		6
Small Business Direct Install	Parking Garage LED replacing <= 100W HID		8,760		6
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp		8,760		6
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)		4,128		12
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp		4,128		12
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp		4,128		12
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp		4,128		12
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO		4,128		12
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture		4,128		12
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO		4,128		12
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture		4,128		12
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO		4,128		12
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture		4,128		12
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO		4,128		12
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture		4,128		12
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO		4,128		12
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture		4,128		12
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO		4,128		12
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture		4,128		12
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)		6,205		8
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft		6,205		8
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)		6,205		8
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft		6,205		8

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Measure Description		Efficiency Values		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Small Business Direct Install	Parking Garage LED replacing >175W HID	LED Parking Garage Lighting Fixtures	155	
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	LED Parking Garage Lighting Fixtures	155	
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID	LED Parking Garage Lighting Fixtures	84	
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	LED Parking Garage Lighting Fixtures	84	
Small Business Direct Install	Parking Garage LED replacing <= 100W HID	LED Parking Garage Lighting Fixtures	54	
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	LED Parking Garage Lighting Fixtures	54	
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	4-ft LED Linear Replacement Lamps	18	
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	4-ft LED Linear Replacement Lamps	18	
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	2-ft LED Linear Replacement Lamps	10	
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	2-ft LED Linear Replacement Lamps	10	
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	LED 1X4 Retrofit Kits	37	
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	LED 1X4 Retrofit Kits	37	
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	LED 2X4 Retrofit Kits	46	
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	LED 2X4 Retrofit Kits	46	
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	LED 2X2 Retrofit Kits	38	
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	LED 2X2 Retrofit Kits	38	
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	LED 1X4 Troffer or Linear Ambient Fixtu	35	
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	LED 1X4 Troffer or Linear Ambient Fixtu	35	
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	replacing T8, T12 or T5/T5HO	46	
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	replacing T8, T12 or T5/T5HO fixture	46	
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	replacing T8, T12 or T5/T5HO	36	
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	replacing T8, T12 or T5/T5HO fixture	36	
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)	LED Refrigerated (Medium Temp) Case	34	
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	LED Refrigerated (Medium Temp) Case	34	
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)	LED Freezer (Low Temp) Case Light Fixtu	34	
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	LED Freezer (Low Temp) Case Light Fixtu	34	

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Small Business Direct Install	Parking Garage LED replacing >175W HID	200W - 250W HID Fixture	258	
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	200W - 250W HID Fixture	258	
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID	125W - 175W HID Fixture	196	
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	125W - 175W HID Fixture	196	
Small Business Direct Install	Parking Garage LED replacing <= 100W HID	≤ 100 W HID Fixture	124	
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	≤ 100 W HID Fixture	124	
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	32W 4-ft T8 with Electronic NBF Ballast	29	
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	32W 4-ft T8 with Electronic NBF Ballast	29	
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	17W 2-ft T8 with Electronic NBF Ballast	17	
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	17W 2-ft T8 with Electronic NBF Ballast	17	
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	1x4 T8, T12 or T5 Fluorescents	77	
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	1x4 T8, T12 or T5 Fluorescents	77	
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	2x4 T8, T12 or T5 Fluorescents	98	
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	2x4 T8, T12 or T5 Fluorescents	98	
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	2x2 T8, T12 or T5 Fluorescents	77	
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	2x2 T8, T12 or T5 Fluorescents	77	
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	1X4 Troffer or Linear Ambient T8, T12 or T5	77	
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	1X4 Troffer or Linear Ambient T8, T12 or T5	77	
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	2X4 Troffer or Linear Ambient T8, T12 or T5	98	
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	2X4 Troffer or Linear Ambient T8, T12 or T5	98	
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	2X2 Troffer or Linear Ambient T8, T12 or T5	77	
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	2X2 Troffer or Linear Ambient T8, T12 or T5	77	
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)	Linear Fluorescent T12 and T8 Fixtures	102	
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	Linear Fluorescent T12 and T8 Fixtures	102	
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)	Linear Fluorescent T12 and T8 Fixtures	102	
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	Linear Fluorescent T12 and T8 Fixtures	102	

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Measure Description		A
Program	Measure Name	Electric Energy Savings Algorithm
Small Business Direct Install	Parking Garage LED replacing >175W HID	=ROUND((W294-T294)*(AE294)*P294/1000,4)
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	=ROUND((W295-T295)*(AE295)*P295/1000,4)
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID	=ROUND((W296-T296)*(AE296)*P296/1000,4)
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	=ROUND((W297-T297)*(AE297)*P297/1000,4)
Small Business Direct Install	Parking Garage LED replacing <= 100W HID	=ROUND((W298-T298)*(AE298)*P298/1000,4)
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	=ROUND((W299-T299)*(AE299)*P299/1000,4)
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	=ROUND((W300-T300)*(AE300)*P300/1000,4)
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	=ROUND((W301-T301)*(AE301)*P301/1000,4)
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	=ROUND((W302-T302)*(AE302)*P302/1000,4)
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	=ROUND((W303-T303)*(AE303)*P303/1000,4)
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	=ROUND((W304-T304)*(AE304)*P304/1000,4)
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	=ROUND((W305-T305)*(AE305)*P305/1000,4)
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	=ROUND((W306-T306)*(AE306)*P306/1000,4)
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	=ROUND((W307-T307)*(AE307)*P307/1000,4)
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	=ROUND((W308-T308)*(AE308)*P308/1000,4)
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	=ROUND((W309-T309)*(AE309)*P309/1000,4)
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	=ROUND((W310-T310)*(AE310)*P310/1000,4)
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	=ROUND((W311-T311)*(AE311)*P311/1000,4)
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	=ROUND((W312-T312)*(AE312)*P312/1000,4)
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	=ROUND((W313-T313)*(AE313)*P313/1000,4)
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	=ROUND((W314-T314)*(AE314)*P314/1000,4)
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	=ROUND((W315-T315)*(AE315)*P315/1000,4)
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)	=ROUND((W316-T316)*(AE316)*P316/1000,4)
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	=ROUND((W317-T317)*(AE317)*P317/1000,4)
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)	=ROUND((W318-T318)*(AE318)*P318/1000,4)
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	=ROUND((W319-T319)*(AE319)*P319/1000,4)

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Small Business Direct Install	Parking Garage LED replacing >175W HID	=ROUND(K294*L294,4)
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	=ROUND(K295*L295,4)
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID	=ROUND(K296*L296,4)
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	=ROUND(K297*L297,4)
Small Business Direct Install	Parking Garage LED replacing <= 100W HID	=ROUND(K298*L298,4)
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	=ROUND(K299*L299,4)
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	=ROUND(K300*L300,4)
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	=ROUND(K301*L301,4)
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	=ROUND(K302*L302,4)
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	=ROUND(K303*L303,4)
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	=ROUND(K304*L304,4)
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	=ROUND(K305*L305,4)
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	=ROUND(K306*L306,4)
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	=ROUND(K307*L307,4)
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	=ROUND(K308*L308,4)
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	=ROUND(K309*L309,4)
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	=ROUND(K310*L310,4)
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	=ROUND(K311*L311,4)
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	=ROUND(K312*L312,4)
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	=ROUND(K313*L313,4)
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	=ROUND(K314*L314,4)
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	=ROUND(K315*L315,4)
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)	=ROUND(K316*L316,4)
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	=ROUND(K317*L317,4)
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)	=ROUND(K318*L318,4)
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	=ROUND(K319*L319,4)

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[Link to CDD](#)

[Link to HDD](#)

Measure Description		Start/End Dates		Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Program	Measure Name	Effective Start Date	Effective End Date			
Small Business Direct Install	Parking Garage LED replacing >175W HID	4/1/2016	4/6/2017			1.00
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID	4/1/2016	4/6/2017			1.00
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00
Small Business Direct Install	Parking Garage LED replacing <= 100W HID	4/1/2016	4/6/2017			1.00
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	4/7/2017				1.00
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	4/1/2016	4/6/2017			1.20
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	4/7/2017				1.20
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	4/1/2016	4/6/2017			1.20
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	4/7/2017				1.20
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	4/1/2016	4/6/2017			1.20
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	4/7/2017				1.20
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	4/1/2016	4/6/2017			1.20
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	4/7/2017				1.20
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	4/1/2016	4/6/2017			1.20
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	4/7/2017				1.20
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	4/1/2016	4/6/2017			1.20
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	4/7/2017				1.20
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	4/1/2016	4/6/2017			1.20
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	4/7/2017				1.20
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	4/1/2016	4/6/2017			1.20
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	4/7/2017				1.20
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)	4/1/2016	4/6/2017			1.41
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	4/7/2017				1.41
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)	4/1/2016	4/6/2017			1.52
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	4/7/2017				1.52

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Small Business Direct Install	Parking Garage LED replacing >175W HID	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Parking Garage LED replacing <= 100W HID	Waste Heat Factor_Energy		1.00
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Energy		1.00
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	Waste Heat Factor_Energy		1.50
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	Waste Heat Factor_Energy		1.50
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	Waste Heat Factor_Energy		1.50
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	Waste Heat Factor_Energy		1.50
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	Waste Heat Factor_Energy		1.50
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Energy		1.50
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	Waste Heat Factor_Energy		1.50
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Energy		1.50
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	Waste Heat Factor_Energy		1.50
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Energy		1.50
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	Waste Heat Factor_Energy		1.50
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Energy		1.50
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	Waste Heat Factor_Energy		1.50
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Energy		1.50
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	Waste Heat Factor_Energy		1.50
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Energy		1.50
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)	Waste Heat Factor_Energy		1.41
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	Waste Heat Factor_Energy		1.41
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)	Waste Heat Factor_Energy		1.52
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	Waste Heat Factor_Energy		1.52

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Small Business Direct Install	Parking Garage LED replacing >175W HID	Waste Heat Factor_Demand		
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID	Waste Heat Factor_Demand		
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		
Small Business Direct Install	Parking Garage LED replacing <= 100W HID	Waste Heat Factor_Demand		
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp	Waste Heat Factor_Demand		
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)	Waste Heat Factor_Demand		
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp	Waste Heat Factor_Demand		
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp	Waste Heat Factor_Demand		
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp	Waste Heat Factor_Demand		
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO	Waste Heat Factor_Demand		
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Demand		
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO	Waste Heat Factor_Demand		
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Demand		
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO	Waste Heat Factor_Demand		
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Demand		
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	Waste Heat Factor_Demand		
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Demand		
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	Waste Heat Factor_Demand		
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Demand		
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO	Waste Heat Factor_Demand		
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture	Waste Heat Factor_Demand		
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)	Waste Heat Factor_Demand		
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft	Waste Heat Factor_Demand		
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)	Waste Heat Factor_Demand		
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft	Waste Heat Factor_Demand		

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Small Business Direct Install	Parking Garage LED replacing >175W HID			
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID			
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing <= 100W HID			
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Small Business Direct Install	Parking Garage LED replacing >175W HID			
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID			
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing <= 100W HID			
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			

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<i>Measure Description</i>		<i>Quantities</i>		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Small Business Direct Install	Parking Garage LED replacing >175W HID			
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID			
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing <= 100W HID			
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Small Business Direct Install	Parking Garage LED replacing >175W HID			
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID			
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing <= 100W HID			
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Small Business Direct Install	Parking Garage LED replacing >175W HID			
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID			
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing <= 100W HID			
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Small Business Direct Install	Parking Garage LED replacing >175W HID			
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID			
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing <= 100W HID			
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Small Business Direct Install	Parking Garage LED replacing >175W HID			
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID			
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	Parking Garage LED replacing <= 100W HID			
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)			
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp			
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp			
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO			
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture			
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft			
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)			
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Small Business Direct Install	Parking Garage LED replacing >175W HID		
Small Business Direct Install	Parking Garage LED replacing > 175W Fixture or Mogul Screw-Base Lamp		
Small Business Direct Install	Parking Garage LED replacing 101W-175W HID		
Small Business Direct Install	Parking Garage LED replacing 101W-175W Fixture or Mogul Screw-Base Lamp		
Small Business Direct Install	Parking Garage LED replacing <= 100W HID		
Small Business Direct Install	Parking Garage LED replacing <= 100W Fixture or Mogul Screw-Base Lamp		
Small Business Direct Install	LED linear replacement lamp replacing a 4' T8, T12, or T5 lamp (Eligible for lighting opt if appl)		
Small Business Direct Install	Interior LED Linear Lamp Replacing 4ft T8, T12, or T5 Lamp		
Small Business Direct Install	LED linear replacement lamp replacing a 2-ft T8, T12 or T5 lamp		
Small Business Direct Install	Interior LED Linear Lamp Replacing 2ft T8, T12, or T5 Lamp		
Small Business Direct Install	LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO		
Small Business Direct Install	Interior LED 1X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture		
Small Business Direct Install	LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO		
Small Business Direct Install	Interior LED 2X4 Retrofit Kit replacing T8, T12 or T5/T5HO fixture		
Small Business Direct Install	LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO		
Small Business Direct Install	Interior LED 2X2 Retrofit Kit replacing T8, T12 or T5/T5HO fixture		
Small Business Direct Install	LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO		
Small Business Direct Install	Interior LED 1X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture		
Small Business Direct Install	LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO		
Small Business Direct Install	Interior LED 2X4 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture		
Small Business Direct Install	LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO		
Small Business Direct Install	Interior LED 2X2 Troffer or Linear Ambient replacing T8, T12 or T5/T5HO fixture		
Small Business Direct Install	LED Refrigerated Case Lights (4, 5, and 6-foot)		
Small Business Direct Install	LED Refrig Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Refrig Case Lights w/Doors 4ft 5ft or 6ft		
Small Business Direct Install	LED Freezer Case Lights (4, 5, and 6-foot)		
Small Business Direct Install	LED Freezer Case Lights w/Doors 4ft 5ft or 6ft repl Fluor Frezer Case Lights w/Doors 4ft 5ft or 6ft		

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<i>Measure Description</i>					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W	211	All	Lighting	
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	211.1	All	Lighting	
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W	212	All	Lighting	
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	212.1	All	Lighting	
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W	213	All	Lighting	
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	213.1	All	Lighting	
Small Business Direct Install	LED Low Bay 30-70W	214	All	Lighting	
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture	214.1	All	Lighting	
Small Business Direct Install	LED Low/High Bay 71-110W	215	All	Lighting	
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture	215.1	All	Lighting	
Small Business Direct Install	LED High Bay 111-175W	216	All	Lighting	
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture	216.1	All	Lighting	
Small Business Direct Install	LED High Bay 176-350W	217	All	Lighting	
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture	217.1	All	Lighting	
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp	218	All	Lighting	
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp	219	All	Lighting	
Business Standard	LED Low Bay 30-70W	220	All	Lighting	
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture	220.1	All	Lighting	
Business Standard	LED Low/High Bay 71-110W	221	All	Lighting	
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	221.1	All	Lighting	
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	221.2	All	Lighting	
Business Standard	LED High Bay 111-175W	222	All	Lighting	
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture	222.1	All	Lighting	
Business Standard	LED High Bay 176-350W	223	All	Lighting	
Business Standard	LED High Bay fixture replacing > 750W fixture	223.1	All	Lighting	
Business Standard	28W - 4 ft fluorescent T8 lamp	224	All	Lighting	
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	224.1	All	Lighting	
Business Standard	25W - 4 ft fluorescent T8 lamp	225	All	Lighting	
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	225.1	All	Lighting	
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	226	All	Lighting	

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<i>Measure Description</i>					
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W	per fixture	\$35.00	195.0768	
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	per fixture	\$35.00	195.0768	
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W	per fixture	\$68.00	321.8767	
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	per fixture	\$68.00	321.8767	
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W	per fixture	\$120.00	512.0766	
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	per fixture	\$120.00	512.0766	
Small Business Direct Install	LED Low Bay 30-70W	per fixture	\$305.00	806.6286	
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture	per fixture	\$305.00	806.6286	
Small Business Direct Install	LED Low/High Bay 71-110W	per fixture	\$330.00	1,096.0297	
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture	per fixture	\$330.00	1,096.0297	
Small Business Direct Install	LED High Bay 111-175W	per fixture	\$430.00	1,711.7767	
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture	per fixture	\$430.00	1,711.7767	
Small Business Direct Install	LED High Bay 176-350W	per fixture	\$725.00	4,482.6382	
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture	per fixture	\$725.00	4,482.6382	
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp	per lamp	\$1.00	17.9222	
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp	per lamp	\$2.50	35.8443	
Business Standard	LED Low Bay 30-70W	per fixture	\$305.00	806.6286	
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture	per fixture	\$305.00	806.6286	
Business Standard	LED Low/High Bay 71-110W	per fixture	\$330.00	1,096.0297	
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	per fixture	\$330.00	1,096.0297	
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	per fixture	\$330.00	1,508.5802	IL TRM v5
Business Standard	LED High Bay 111-175W	per fixture	\$430.00	1,711.7767	
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture	per fixture	\$430.00	1,711.7767	
Business Standard	LED High Bay 176-350W	per fixture	\$725.00	4,482.6382	
Business Standard	LED High Bay fixture replacing > 750W fixture	per fixture	\$725.00	4,482.6382	
Business Standard	28W - 4 ft fluorescent T8 lamp	per lamp	\$1.00	17.9222	
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	per lamp	\$1.00	17.9222	
Business Standard	25W - 4 ft fluorescent T8 lamp	per lamp	\$2.50	35.8443	
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	per lamp	\$2.50	35.8443	
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	per fixture	\$100.00	806.6286	

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Measure Description		Gross Measure Values			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W	0.060	70%		0.0423
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	0.060	70%		0.0423
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W	0.100	70%		0.0698
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	0.100	70%		0.0698
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W	0.159	70%		0.1110
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	0.159	70%		0.1110
Small Business Direct Install	LED Low Bay 30-70W	0.176	83%		0.1457
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture	0.176	83%		0.1457
Small Business Direct Install	LED Low/High Bay 71-110W	0.239	83%		0.1980
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture	0.239	83%		0.1980
Small Business Direct Install	LED High Bay 111-175W	0.373	83%		0.3092
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture	0.373	83%		0.3092
Small Business Direct Install	LED High Bay 176-350W	0.976	83%		0.8097
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture	0.976	83%		0.8097
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp	0.004	72%		0.0031
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp	0.009	72%		0.0063
Business Standard	LED Low Bay 30-70W	0.176	83%		0.1457
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture	0.176	83%		0.1457
Business Standard	LED Low/High Bay 71-110W	0.239	83%		0.1980
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	0.239	83%		0.1980
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	0.310	70%	IL TRM v5	0.2178
Business Standard	LED High Bay 111-175W	0.373	83%		0.3092
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture	0.373	83%		0.3092
Business Standard	LED High Bay 176-350W	0.976	83%		0.8097
Business Standard	LED High Bay fixture replacing > 750W fixture	0.976	83%		0.8097
Business Standard	28W - 4 ft fluorescent T8 lamp	0.004	72%		0.0031
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	0.004	72%		0.0031
Business Standard	25W - 4 ft fluorescent T8 lamp	0.009	72%		0.0063
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	0.009	72%		0.0063
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	0.176	83%		0.1457

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<i>Measure Description</i>					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W		3,933		13
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture		3,933		13
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W		3,933		13
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture		3,933		13
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W		3,933		13
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture		3,933		13
Small Business Direct Install	LED Low Bay 30-70W		4,367		12
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture		4,367		12
Small Business Direct Install	LED Low/High Bay 71-110W		4,367		12
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture		4,367		12
Small Business Direct Install	LED High Bay 111-175W		4,367		12
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture		4,367		12
Small Business Direct Install	LED High Bay 176-350W		4,367		12
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture		4,367		12
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp		3,911		7
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp		3,911		7
Business Standard	LED Low Bay 30-70W		4,367		12
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture		4,367		12
Business Standard	LED Low/High Bay 71-110W		4,367		12
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture		4,367		12
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	IL TRM v5	4,367	IL TRM v5	12
Business Standard	LED High Bay 111-175W		4,367		12
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture		4,367		12
Business Standard	LED High Bay 176-350W		4,367		12
Business Standard	LED High Bay fixture replacing > 750W fixture		4,367		12
Business Standard	28W - 4 ft fluorescent T8 lamp		3,911		7
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp		3,911		7
Business Standard	25W - 4 ft fluorescent T8 lamp		3,911		7
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp		3,911		7
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture		4,367		12

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<i>Measure Description</i>		<i>Efficiency Values</i>		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W	LED Downlight or Retrofit Kit ≤ 13W	11	
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	LED Downlight or Retrofit Kit ≤ 13W	11	
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W	LED Downlight or Retrofit Kit 14 to 21W	18	
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	LED Downlight or Retrofit Kit 14 to 21W	18	
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W	LED Downlight or Retrofit Kit ≥ 22W	28	
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	LED Downlight or Retrofit Kit ≥ 22W	28	
Small Business Direct Install	LED Low Bay 30-70W	LED Low Bay (watts)	70	
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture	LED Low Bay (watts)	70	
Small Business Direct Install	LED Low/High Bay 71-110W	LED High/Low Bay (watts)	110	
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture	LED High/Low Bay (watts)	110	
Small Business Direct Install	LED High Bay 111-175W	LED High Bay (watts)	175	
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture	LED High Bay (watts)	175	
Small Business Direct Install	LED High Bay 176-350W	LED High Bay (watts)	350	
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture	LED High Bay (watts)	350	
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp	28W - 4 ft fluorescent T8 lamp	25	
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp	25W - 4 ft fluorescent T8 lamp	22	
Business Standard	LED Low Bay 30-70W	LED Low Bay (watts)	70	
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture	LED Low Bay (watts)	70	
Business Standard	LED Low/High Bay 71-110W	LED High/Low Bay (watts)	110	
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	LED High/Low Bay (watts)	110	
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	LED High/Low Bay (watts)	120	IL TRM v5
Business Standard	LED High Bay 111-175W	LED High Bay (watts)	175	
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture	LED High Bay (watts)	175	
Business Standard	LED High Bay 176-350W	LED High Bay (watts)	350	
Business Standard	LED High Bay fixture replacing > 750W fixture	LED High Bay (watts)	350	
Business Standard	28W - 4 ft fluorescent T8 lamp	28W - 4 ft fluorescent T8 lamp	25	
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	28W - 4 ft fluorescent T8 lamp	25	
Business Standard	25W - 4 ft fluorescent T8 lamp	25W - 4 ft fluorescent T8 lamp	22	
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	25W - 4 ft fluorescent T8 lamp	22	
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	LED Low Bay (watts)	70	

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W	Incandescent and Halogen Downlights < 100W	51	
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	Incandescent and Halogen Downlights < 100W	51	
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W	Incandescent and Halogen Downlights 100W	84	
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	Incandescent and Halogen Downlights 100W	84	
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W	Incandescent, HID and Halogen Downlight	133	
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	Incandescent, HID and Halogen Downlight	133	
Small Business Direct Install	LED Low Bay 30-70W	Pulse Start Metal Halide (watts)	201	
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture	Pulse Start Metal Halide (watts)	201	
Small Business Direct Install	LED Low/High Bay 71-110W	Pulse Start Metal Halide (watts)	288	
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture	Pulse Start Metal Halide (watts)	288	
Small Business Direct Install	LED High Bay 111-175W	Pulse Start Metal Halide (watts)	453	
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture	Pulse Start Metal Halide (watts)	453	
Small Business Direct Install	LED High Bay 176-350W	Pulse Start Metal Halide (watts)	1078	
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture	Pulse Start Metal Halide (watts)	1078	
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp	32W 4 ft fluorescent T8 lamp	28	
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp	32W 4 ft fluorescent T8 lamp	28	
Business Standard	LED Low Bay 30-70W	Pulse Start Metal Halide (watts)	201	
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture	Pulse Start Metal Halide (watts)	201	
Business Standard	LED Low/High Bay 71-110W	Pulse Start Metal Halide (watts)	288	
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	Pulse Start Metal Halide (watts)	288	
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	Pulse Start Metal Halide (watts)	365	IL TRM v5
Business Standard	LED High Bay 111-175W	Pulse Start Metal Halide (watts)	453	
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture	Pulse Start Metal Halide (watts)	453	
Business Standard	LED High Bay 176-350W	Pulse Start Metal Halide (watts)	1078	
Business Standard	LED High Bay fixture replacing > 750W fixture	Pulse Start Metal Halide (watts)	1078	
Business Standard	28W - 4 ft fluorescent T8 lamp	32W 4 ft fluorescent T8 lamp	28	
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	32W 4 ft fluorescent T8 lamp	28	
Business Standard	25W - 4 ft fluorescent T8 lamp	32W 4 ft fluorescent T8 lamp	28	
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	32W 4 ft fluorescent T8 lamp	28	
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	Pulse Start Metal Halide (watts)	201	

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Measure Description		A
Program	Measure Name	Electric Energy Savings Algorithm
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W	=ROUND((W320-T320)*(AE320)*P320/1000,4)
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	=ROUND((W321-T321)*(AE321)*P321/1000,4)
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W	=ROUND((W322-T322)*(AE322)*P322/1000,4)
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	=ROUND((W323-T323)*(AE323)*P323/1000,4)
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W	=ROUND((W324-T324)*(AE324)*P324/1000,4)
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	=ROUND((W325-T325)*(AE325)*P325/1000,4)
Small Business Direct Install	LED Low Bay 30-70W	=ROUND((W326-T326)*(AE326)*P326/1000,4)
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture	=ROUND((W327-T327)*(AE327)*P327/1000,4)
Small Business Direct Install	LED Low/High Bay 71-110W	=ROUND((W328-T328)*(AE328)*P328/1000,4)
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture	=ROUND((W329-T329)*(AE329)*P329/1000,4)
Small Business Direct Install	LED High Bay 111-175W	=ROUND((W330-T330)*(AE330)*P330/1000,4)
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture	=ROUND((W331-T331)*(AE331)*P331/1000,4)
Small Business Direct Install	LED High Bay 176-350W	=ROUND((W332-T332)*(AE332)*P332/1000,4)
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture	=ROUND((W333-T333)*(AE333)*P333/1000,4)
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp	=ROUND((W334-T334)*(AE334)*P334/1000,4)
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp	=ROUND((W335-T335)*(AE335)*P335/1000,4)
Business Standard	LED Low Bay 30-70W	=ROUND((W336-T336)*(AE336)*P336/1000,4)
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture	=ROUND((W337-T337)*(AE337)*P337/1000,4)
Business Standard	LED Low/High Bay 71-110W	=ROUND((W338-T338)*(AE338)*P338/1000,4)
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	=ROUND((W339-T339)*(AE339)*P339/1000,4)
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	=ROUND((W340-T340)/1000*P340*AE340,4)
Business Standard	LED High Bay 111-175W	=ROUND((W341-T341)*(AE341)*P341/1000,4)
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture	=ROUND((W342-T342)*(AE342)*P342/1000,4)
Business Standard	LED High Bay 176-350W	=ROUND((W343-T343)*(AE343)*P343/1000,4)
Business Standard	LED High Bay fixture replacing > 750W fixture	=ROUND((W344-T344)*(AE344)*P344/1000,4)
Business Standard	28W - 4 ft fluorescent T8 lamp	=ROUND((W345-T345)*(AE345)*P345/1000,4)
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	=ROUND((W346-T346)*(AE346)*P346/1000,4)
Business Standard	25W - 4 ft fluorescent T8 lamp	=ROUND((W347-T347)*(AE347)*P347/1000,4)
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	=ROUND((W348-T348)*(AE348)*P348/1000,4)
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	=ROUND((W349-T349)*(AE349)*P349/1000,4)

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W	=ROUND(K320*L320,4)
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	=ROUND(K321*L321,4)
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W	=ROUND(K322*L322,4)
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	=ROUND(K323*L323,4)
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W	=ROUND(K324*L324,4)
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	=ROUND(K325*L325,4)
Small Business Direct Install	LED Low Bay 30-70W	=ROUND(K326*L326,4)
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture	=ROUND(K327*L327,4)
Small Business Direct Install	LED Low/High Bay 71-110W	=ROUND(K328*L328,4)
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture	=ROUND(K329*L329,4)
Small Business Direct Install	LED High Bay 111-175W	=ROUND(K330*L330,4)
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture	=ROUND(K331*L331,4)
Small Business Direct Install	LED High Bay 176-350W	=ROUND(K332*L332,4)
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture	=ROUND(K333*L333,4)
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp	=ROUND(K334*L334,4)
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp	=ROUND(K335*L335,4)
Business Standard	LED Low Bay 30-70W	=ROUND(K336*L336,4)
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture	=ROUND(K337*L337,4)
Business Standard	LED Low/High Bay 71-110W	=ROUND(K338*L338,4)
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	=ROUND(K339*L339,4)
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	=ROUND(K340*L340,4)
Business Standard	LED High Bay 111-175W	=ROUND(K341*L341,4)
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture	=ROUND(K342*L342,4)
Business Standard	LED High Bay 176-350W	=ROUND(K343*L343,4)
Business Standard	LED High Bay fixture replacing > 750W fixture	=ROUND(K344*L344,4)
Business Standard	28W - 4 ft fluorescent T8 lamp	=ROUND(K345*L345,4)
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	=ROUND(K346*L346,4)
Business Standard	25W - 4 ft fluorescent T8 lamp	=ROUND(K347*L347,4)
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	=ROUND(K348*L348,4)
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	=ROUND(K349*L349,4)

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[Link to CDD](#)

[Link to HDD](#)

Measure Description		Start/End Dates				
Program	Measure Name	Effective Start Date	Effective End Date	Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W	4/1/2016	4/6/2017			1.24
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	4/7/2017				1.24
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W	4/1/2016	4/6/2017			1.24
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	4/7/2017				1.24
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W	4/1/2016	4/6/2017			1.24
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	4/7/2017				1.24
Small Business Direct Install	LED Low Bay 30-70W	4/1/2016	4/6/2017			1.41
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture	4/7/2017				1.41
Small Business Direct Install	LED Low/High Bay 71-110W	4/1/2016	4/6/2017			1.41
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture	4/7/2017				1.41
Small Business Direct Install	LED High Bay 111-175W	4/1/2016	4/6/2017			1.41
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture	4/7/2017				1.41
Small Business Direct Install	LED High Bay 176-350W	4/1/2016	4/6/2017			1.41
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture	4/7/2017				1.41
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp	4/1/2016				1.41
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp	4/1/2016				1.41
Business Standard	LED Low Bay 30-70W	4/1/2016	4/6/2017			1.41
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture	4/7/2017				1.41
Business Standard	LED Low/High Bay 71-110W	4/1/2016	4/6/2017			1.41
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	4/7/2017	3/31/2018			1.41
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	4/1/2018				1.41
Business Standard	LED High Bay 111-175W	4/1/2016	4/6/2017			1.41
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture	4/7/2017				1.41
Business Standard	LED High Bay 176-350W	4/1/2016	4/6/2017			1.41
Business Standard	LED High Bay fixture replacing > 750W fixture	4/7/2017				1.41
Business Standard	28W - 4 ft fluorescent T8 lamp	4/1/2016	4/6/2017			1.41
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	4/7/2017				1.41
Business Standard	25W - 4 ft fluorescent T8 lamp	4/1/2016	4/6/2017			1.41
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	4/7/2017				1.41
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	4/7/2017				1.41

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W	Waste Heat Factor_Energy		1.51
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	Waste Heat Factor_Energy		1.51
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W	Waste Heat Factor_Energy		1.51
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	Waste Heat Factor_Energy		1.51
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W	Waste Heat Factor_Energy		1.51
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	Waste Heat Factor_Energy		1.51
Small Business Direct Install	LED Low Bay 30-70W	Waste Heat Factor		1.34
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture	Waste Heat Factor		1.34
Small Business Direct Install	LED Low/High Bay 71-110W	Waste Heat Factor		1.34
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture	Waste Heat Factor		1.34
Small Business Direct Install	LED High Bay 111-175W	Waste Heat Factor		1.34
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture	Waste Heat Factor		1.34
Small Business Direct Install	LED High Bay 176-350W	Waste Heat Factor		1.34
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture	Waste Heat Factor		1.34
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp	Waste Heat Factor		1.34
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp	Waste Heat Factor		1.34
Business Standard	LED Low Bay 30-70W	Waste Heat Factor		1.34
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture	Waste Heat Factor		1.34
Business Standard	LED Low/High Bay 71-110W	Waste Heat Factor		1.34
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	Waste Heat Factor		1.34
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	Waste Heat Factor Energy	IL TRM v5	1.26
Business Standard	LED High Bay 111-175W	Waste Heat Factor		1.34
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture	Waste Heat Factor		1.34
Business Standard	LED High Bay 176-350W	Waste Heat Factor		1.34
Business Standard	LED High Bay fixture replacing > 750W fixture	Waste Heat Factor		1.34
Business Standard	28W - 4 ft fluorescent T8 lamp	Waste Heat Factor		1.34
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	Waste Heat Factor		1.34
Business Standard	25W - 4 ft fluorescent T8 lamp	Waste Heat Factor		1.34
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	Waste Heat Factor		1.34
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	Waste Heat Factor		1.34

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W	Waste Heat Factor_Demand		
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture	Waste Heat Factor_Demand		
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W	Waste Heat Factor_Demand		
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture	Waste Heat Factor_Demand		
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W	Waste Heat Factor_Demand		
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture	Waste Heat Factor_Demand		
Small Business Direct Install	LED Low Bay 30-70W	Waste Heat Factor		
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture	Waste Heat Factor		
Small Business Direct Install	LED Low/High Bay 71-110W	Waste Heat Factor		
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture	Waste Heat Factor		
Small Business Direct Install	LED High Bay 111-175W	Waste Heat Factor		
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture	Waste Heat Factor		
Small Business Direct Install	LED High Bay 176-350W	Waste Heat Factor		
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture	Waste Heat Factor		
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp	Waste Heat Factor		
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp	Waste Heat Factor		
Business Standard	LED Low Bay 30-70W	Waste Heat Factor		
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture	Waste Heat Factor		
Business Standard	LED Low/High Bay 71-110W	Waste Heat Factor		
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	Waste Heat Factor		
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture	Waste Heat Factor Demand	IL TRM v5	
Business Standard	LED High Bay 111-175W	Waste Heat Factor		
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture	Waste Heat Factor		
Business Standard	LED High Bay 176-350W	Waste Heat Factor		
Business Standard	LED High Bay fixture replacing > 750W fixture	Waste Heat Factor		
Business Standard	28W - 4 ft fluorescent T8 lamp	Waste Heat Factor		
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	Waste Heat Factor		
Business Standard	25W - 4 ft fluorescent T8 lamp	Waste Heat Factor		
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp	Waste Heat Factor		
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	Waste Heat Factor		

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			
Small Business Direct Install	LED Low Bay 30-70W			
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture			
Small Business Direct Install	LED Low/High Bay 71-110W			
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture			
Small Business Direct Install	LED High Bay 111-175W			
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture			
Small Business Direct Install	LED High Bay 176-350W			
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture			
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp			
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp			
Business Standard	LED Low Bay 30-70W			
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture			
Business Standard	LED Low/High Bay 71-110W			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED High Bay 111-175W			
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture			
Business Standard	LED High Bay 176-350W			
Business Standard	LED High Bay fixture replacing > 750W fixture			
Business Standard	28W - 4 ft fluorescent T8 lamp			
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	25W - 4 ft fluorescent T8 lamp			
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			
Small Business Direct Install	LED Low Bay 30-70W			
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture			
Small Business Direct Install	LED Low/High Bay 71-110W			
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture			
Small Business Direct Install	LED High Bay 111-175W			
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture			
Small Business Direct Install	LED High Bay 176-350W			
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture			
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp			
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp			
Business Standard	LED Low Bay 30-70W			
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture			
Business Standard	LED Low/High Bay 71-110W			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED High Bay 111-175W			
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture			
Business Standard	LED High Bay 176-350W			
Business Standard	LED High Bay fixture replacing > 750W fixture			
Business Standard	28W - 4 ft fluorescent T8 lamp			
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	25W - 4 ft fluorescent T8 lamp			
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			

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<i>Measure Description</i>		<i>Quantities</i>		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			
Small Business Direct Install	LED Low Bay 30-70W			
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture			
Small Business Direct Install	LED Low/High Bay 71-110W			
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture			
Small Business Direct Install	LED High Bay 111-175W			
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture			
Small Business Direct Install	LED High Bay 176-350W			
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture			
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp			
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp			
Business Standard	LED Low Bay 30-70W			
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture			
Business Standard	LED Low/High Bay 71-110W			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED High Bay 111-175W			
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture			
Business Standard	LED High Bay 176-350W			
Business Standard	LED High Bay fixture replacing > 750W fixture			
Business Standard	28W - 4 ft fluorescent T8 lamp			
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	25W - 4 ft fluorescent T8 lamp			
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			
Small Business Direct Install	LED Low Bay 30-70W			
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture			
Small Business Direct Install	LED Low/High Bay 71-110W			
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture			
Small Business Direct Install	LED High Bay 111-175W			
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture			
Small Business Direct Install	LED High Bay 176-350W			
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture			
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp			
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp			
Business Standard	LED Low Bay 30-70W			
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture			
Business Standard	LED Low/High Bay 71-110W			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED High Bay 111-175W			
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture			
Business Standard	LED High Bay 176-350W			
Business Standard	LED High Bay fixture replacing > 750W fixture			
Business Standard	28W - 4 ft fluorescent T8 lamp			
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	25W - 4 ft fluorescent T8 lamp			
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			
Small Business Direct Install	LED Low Bay 30-70W			
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture			
Small Business Direct Install	LED Low/High Bay 71-110W			
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture			
Small Business Direct Install	LED High Bay 111-175W			
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture			
Small Business Direct Install	LED High Bay 176-350W			
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture			
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp			
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp			
Business Standard	LED Low Bay 30-70W			
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture			
Business Standard	LED Low/High Bay 71-110W			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED High Bay 111-175W			
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture			
Business Standard	LED High Bay 176-350W			
Business Standard	LED High Bay fixture replacing > 750W fixture			
Business Standard	28W - 4 ft fluorescent T8 lamp			
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	25W - 4 ft fluorescent T8 lamp			
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			
Small Business Direct Install	LED Low Bay 30-70W			
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture			
Small Business Direct Install	LED Low/High Bay 71-110W			
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture			
Small Business Direct Install	LED High Bay 111-175W			
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture			
Small Business Direct Install	LED High Bay 176-350W			
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture			
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp			
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp			
Business Standard	LED Low Bay 30-70W			
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture			
Business Standard	LED Low/High Bay 71-110W			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED High Bay 111-175W			
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture			
Business Standard	LED High Bay 176-350W			
Business Standard	LED High Bay fixture replacing > 750W fixture			
Business Standard	28W - 4 ft fluorescent T8 lamp			
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	25W - 4 ft fluorescent T8 lamp			
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture			
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W			
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture			
Small Business Direct Install	LED Low Bay 30-70W			
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture			
Small Business Direct Install	LED Low/High Bay 71-110W			
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture			
Small Business Direct Install	LED High Bay 111-175W			
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture			
Small Business Direct Install	LED High Bay 176-350W			
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture			
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp			
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp			
Business Standard	LED Low Bay 30-70W			
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture			
Business Standard	LED Low/High Bay 71-110W			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture			
Business Standard	LED High Bay 111-175W			
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture			
Business Standard	LED High Bay 176-350W			
Business Standard	LED High Bay fixture replacing > 750W fixture			
Business Standard	28W - 4 ft fluorescent T8 lamp			
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	25W - 4 ft fluorescent T8 lamp			
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp			
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Small Business Direct Install	LED Downlight or Retrofit Kit <= 13W		
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 45-60W Fixture		
Small Business Direct Install	LED Downlight or Retrofit Kit 14 to 21W		
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 61-100W Fixture		
Small Business Direct Install	LED Downlight or Retrofit Kit >= 22W		
Small Business Direct Install	Interior LED Downlight or Retrofit Kit replacing 101-155W Fixture		
Small Business Direct Install	LED Low Bay 30-70W		
Small Business Direct Install	LED Low Bay Fixture replacing 150W-300W fixture		
Small Business Direct Install	LED Low/High Bay 71-110W		
Small Business Direct Install	LED Low/High Bay Fixture replacing 301W-450W fixture		
Small Business Direct Install	LED High Bay 111-175W		
Small Business Direct Install	LED High Bay Fixture replacing 451W - 750W fixture		
Small Business Direct Install	LED High Bay 176-350W		
Small Business Direct Install	LED High Bay fixture replacing > 750W fixture		
Small Business Direct Install	28W - 4 ft fluorescent T8 lamp		
Small Business Direct Install	25W - 4 ft fluorescent T8 lamp		
Business Standard	LED Low Bay 30-70W		
Business Standard	LED Low Bay Fixture replacing 150W-300W fixture		
Business Standard	LED Low/High Bay 71-110W		
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture		
Business Standard	LED Low/High Bay Fixture replacing 301W-450W fixture		
Business Standard	LED High Bay 111-175W		
Business Standard	LED High Bay Fixture replacing 451W - 750W fixture		
Business Standard	LED High Bay 176-350W		
Business Standard	LED High Bay fixture replacing > 750W fixture		
Business Standard	28W - 4 ft fluorescent T8 lamp		
Business Standard	28W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp		
Business Standard	25W - 4 ft fluorescent T8 lamp		
Business Standard	25W 4ft T8 Lamp Replacing 32W 4ft T8 Lamp		
Business Standard	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture		

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<i>Measure Description</i>					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	227	All	Lighting	
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	228	All	Lighting	
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	229	All	Lighting	
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp	313	All	Lighting	
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	230	All	Lighting	
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	231	All	Lighting	
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	232	All	Lighting	
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	233	All	Lighting	
Whole House Efficiency	Furnace Filter Alarm	234	Single Family	HVAC	Tier 1
Whole House Efficiency	Furnace Filter Alarm	234.1	Single Family	HVAC	Tier 1
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	235	Single Family	HVAC	Tier 3
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	262	Single Family	HVAC	Tier 3
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	263	Single Family	HVAC	Tier 3
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	236	Single Family	HVAC	Tier 3
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	264	Single Family	HVAC	Tier 3
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	265	Single Family	HVAC	Tier 3
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	237	Single Family	HVAC	Tier 3
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	266	Single Family	HVAC	Tier 3
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	267	Single Family	HVAC	Tier 3
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC	238	Single Family	HVAC	Tier 3
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	239	Single Family	HVAC	Tier 3
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	239.1	Single Family	HVAC	Tier 3
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	240	Single Family	HVAC	Tier 3
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	240.1	Single Family	HVAC	Tier 3
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	241	Single Family	HVAC	Tier 3
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	241.1	Single Family	HVAC	Tier 3
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	242	Single Family	HVAC	Tier 3
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	242.1	Single Family	HVAC	Tier 3
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC	243	Single Family	HVAC	Tier 3

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		<i>Measure Description</i>				
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source	
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	per fixture	\$150.00	1,096.0297		
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	per fixture	\$200.00	1,711.7767		
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	per fixture	\$350.00	4,482.6382		
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp	per lamp	\$28.00	88.5555	IL TRM v5	
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	per fixture	\$100.00	806.6286		
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	per fixture	\$150.00	1,096.0297		
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	per fixture	\$200.00	1,711.7767		
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	per fixture	\$350.00	4,482.6382		
Whole House Efficiency	Furnace Filter Alarm	per unit	\$2.80	110.0000		
Whole House Efficiency	Furnace Filter Alarm	per unit	\$2.80	83.8269	PA TRM	
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	per measure	\$63.00	117.0000		
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	per measure	\$63.00	58.9200	IL TRM v5	
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	per measure	\$63.00	180.3318	IL TRM v5	
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	per measure	\$31.00	258.0000		
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	per measure	\$31.00	58.9200	IL TRM v5	
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	per measure	\$31.00	180.3318	IL TRM v5	
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	per measure	\$127.00	856.0000		
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	per measure	\$127.00	58.9200	IL TRM v5	
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	per measure	\$127.00	180.3318	IL TRM v5	
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC	per measure	\$ 70.00	173.9000		
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	per measure	\$ 4,859.00	8607.0000		
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	per measure	\$ 4,859.00	6,554.2619	IL TRM v5	
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	per measure	\$ 3,200.00	3607.0000		
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	per measure	\$ 3,200.00	5,225.6534	IL TRM v5	
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	per measure	\$ 5,250.00	19040.0000		
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	per measure	\$ 5,250.00	8,428.8405	IL TRM v5	
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	per measure	\$ 4,717.00	15988.0000		
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	per measure	\$ 4,717.00	8,054.2236	IL TRM v5	
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC	per measure	\$ 5,250.00	12667.0000		

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Measure Description		Gross Measure Values			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	0.239	83%		0.1980
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	0.373	83%		0.3092
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	0.976	83%		0.8097
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp	0.031	66%	IL TRM v5	0.0203
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	0.176	83%		0.1457
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	0.239	83%		0.1980
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	0.373	83%		0.3092
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	0.976	83%		0.8097
Whole House Efficiency	Furnace Filter Alarm	0.042	68%		0.0286
Whole House Efficiency	Furnace Filter Alarm	0.0508	65%	PA TRM	0.0230
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	0.055	68%		0.0374
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC		68%		0.0177
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP		72%		0.0188
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	0.120	68%		0.0816
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC		68%		0.0177
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP		72%		0.0188
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	0.811	68%		0.5515
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC		68%		0.0177
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP		72%		0.0188
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC	0.017	68%		0.0112
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	4.012	72%		2.8886
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	6.6744	72%	IL TRM v5	1.0105
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	1.681	72%		1.2103
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	5.3214	72%	IL TRM v5	0.7322
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	12.678	72%		9.1282
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	8.5833	72%	IL TRM v5	1.0601
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	10.645	72%		7.6644
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	8.2019	72%	IL TRM v5	0.7854
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC	5.904	72%		4.2509

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<i>Measure Description</i>					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture		4,367		12
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture		4,367		12
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture		4,367		12
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp	IL TRM v5	3,582	IL TRM v5	10
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture		4,367		12
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture		4,367		12
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture		4,367		12
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture		4,367		12
Whole House Efficiency	Furnace Filter Alarm		2,611		7
Whole House Efficiency	Furnace Filter Alarm	PA TRM	1,651	PA TRM	14
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC		8640		5
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	IL TRM v5			5
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	IL TRM v5			5
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC		8640		5
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	IL TRM v5			5
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	IL TRM v5			5
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC		8640		5
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	IL TRM v5			5
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	IL TRM v5			5
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC		8640		5
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP		8640		18
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	IL TRM v5	982	EFLHcool, from PY	18
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC		8640		18
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	IL TRM v5	982	EFLHcool, from PY	18
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC		8640		18
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC		982	EFLHcool, from PY	18
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC		8640		18
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	IL TRM v5	982	EFLHcool, from PY	18
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC		8640		18

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<i>Measure Description</i>		<i>Efficiency Values</i>		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	LED High/Low Bay (watts)	110	
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	LED High Bay (watts)	175	
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	LED High Bay (watts)	350	
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp	8' LED Lamp	37.4	IL TRM v5
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	LED Low Bay (watts)	70	
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	LED High/Low Bay (watts)	110	
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	LED High Bay (watts)	175	
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	LED High Bay (watts)	350	
Whole House Efficiency	Furnace Filter Alarm	Furnace Filter Alarm		
Whole House Efficiency	Furnace Filter Alarm	Furnace Filter Alarm		
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	Sub-measure of HVAC Maintenance and	N/A	
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	Sub-measure of HVAC Maintenance and		
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	Sub-measure of HVAC Maintenance and		
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	Sub-measure of HVAC Maintenance and	N/A	
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	Sub-measure of HVAC Maintenance and		
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	Sub-measure of HVAC Maintenance and		
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	Sub-measure of HVAC Maintenance and	N/A	
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	Sub-measure of HVAC Maintenance and		
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	Sub-measure of HVAC Maintenance and		
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC	Sub-measure of HVAC Maintenance and	N/A	
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	EER	23	
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	Part Load EER Efficiency of efficient GSH	23	Not verified.
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	EER	23	
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	Part Load EER Efficiency of efficient GSH	23	Not verified.
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	EER	23	
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	Part Load EER Efficiency of efficient GSH	23	Not verified.
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	EER	23	
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	Part Load EER Efficiency of efficient GSH	23	Not verified.
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC	EER	23	

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	Pulse Start Metal Halide (watts)	288	
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	Pulse Start Metal Halide (watts)	453	
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	Pulse Start Metal Halide (watts)	1078	
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp	96", T-8 lamp, Instant Start Ballast, NLO	58	PG&E Appen
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	Pulse Start Metal Halide (watts)	201	
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	Pulse Start Metal Halide (watts)	288	
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	Pulse Start Metal Halide (watts)	453	
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	Pulse Start Metal Halide (watts)	1078	
Whole House Efficiency	Furnace Filter Alarm	No Filter		
Whole House Efficiency	Furnace Filter Alarm	No Filter		
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	kWh, kW	N/A	
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	kWh, kW		
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	kWh, kW		
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	kWh, kW	N/A	
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	kWh, kW		
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	kWh, kW		
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	kWh, kW	N/A	
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	kWh, kW		
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	kWh, kW		
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC	kWh, kW	N/A	
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	GSHP replacing Operating GSHP – 23 EER r	12	
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	SEER Efficiency of existing cooling unit= Ac	8.55	IL TRM v5
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	minimum (EER)	12	
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	GSHP replacing Failed GSHP – 23 EER mini	11	IL TRM v5
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	w/ electric furnace – 23 EER minimum	12	
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	SEER Efficiency of existing cooling unit= Ac	8.15	IL TRM v5
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	furnace – 23 EER minimum (EER)	12	
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	GSHP replacing failed AC w/ electric furnac	11	IL TRM v5
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC	(14 SEER) – 23 EER minimum (EER)	12	

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Measure Description		thms
Program	Measure Name	Electric Demand Savings Algorithm
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	=ROUND(K350*L350,4)
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	=ROUND(K351*L351,4)
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	=ROUND(K352*L352,4)
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp	=ROUND(K353*L353,4)
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	=ROUND(K354*L354,4)
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	=ROUND(K355*L355,4)
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	=ROUND(K356*L356,4)
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	=ROUND(K357*L357,4)
Whole House Efficiency	Furnace Filter Alarm	=ROUND(K358*L358,4)
Whole House Efficiency	Furnace Filter Alarm	=ROUND(((AE359*AN359*AH359*AK359)/AN359)*L359,4)
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	=ROUND(K360*L360,4)
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	=ROUND(AK361*(1/AQ361)/1000*AH361*L361,4)
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	=ROUND(AK362*(1/AQ362)/1000*AH362*L362,4)
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	=ROUND(K363*L363,4)
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	=ROUND(AK364*(1/AQ364)/1000*AH364*L364,4)
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	=ROUND(AK365*(1/AQ365)/1000*AH365*L365,4)
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	=ROUND(K366*L366,4)
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	=ROUND(AK367*(1/AQ367)/1000*AH367*L367,4)
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	=ROUND(AK368*(1/AQ368)/1000*AH368*L368,4)
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC	=ROUND(K369*L369,4)
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	=ROUND(K370*L370,4)
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	=ROUND(((AE371*(1/AZ371)-(1/T371))/1000)*L371,4)
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	=ROUND(K372*L372,4)
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	=ROUND(((AE373*(1/AZ373)-(1/T373))/1000)*L373,4)
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	=ROUND(K374*L374,4)
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	=ROUND(((AE375*(1/AZ375)-(1/T375))/1000)*L375,4)
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	=ROUND(K376*L376,4)
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	=ROUND(((AE377*(1/AZ377)-(1/T377))/1000)*L377,4)
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC	=ROUND(K378*L378,4)

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[Link to CDD](#)

[Link to HDD](#)

Measure Description		Start/End Dates				
Program	Measure Name	Effective Start Date	Effective End Date	Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	4/7/2017				1.41
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	4/7/2017				1.41
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	4/7/2017				1.41
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp	4/1/2018				1.20
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	4/7/2017				1.41
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	4/7/2017				1.41
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	4/7/2017				1.41
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	4/7/2017				1.41
Whole House Efficiency	Furnace Filter Alarm	4/7/2017	3/31/2018			
Whole House Efficiency	Furnace Filter Alarm	4/1/2018				0.5
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	4/7/2017	3/31/2018	3020	4470	
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	4/1/2018				0.05
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	4/1/2018				0.05
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	4/7/2017	3/31/2018	3020	4470	
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	4/1/2018				0.05
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	4/1/2018				0.05
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	4/7/2017	3/31/2018	3020	4470	
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	4/1/2018				0.05
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	4/1/2018				0.05
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC	4/7/2017		3020	4470	
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	4/7/2017	3/31/2018	3020	4470	
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	4/1/2018				12000
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	4/7/2017	3/31/2018	3020	4470	
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	4/1/2018				12000
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	4/7/2017	3/31/2018	3020	4470	
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	4/1/2018				12000
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	4/7/2017	3/31/2018	3020	4470	
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	4/1/2018				12000
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC	4/7/2017	3/31/2018	3020	4470	

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	Waste Heat Factor		1.34
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	Waste Heat Factor		1.34
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	Waste Heat Factor		1.34
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp	Waste Heat Factor Energy	IL TRM v5	1.50
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	Waste Heat Factor		1.34
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	Waste Heat Factor		1.34
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	Waste Heat Factor		1.34
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	Waste Heat Factor		1.34
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Furnace Filter Alarm	Average motor full load electric	PA TRM	15%
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	MFe	IL TRM v5	0.02
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	MFe	IL TRM v5	0.02
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	MFe	IL TRM v5	0.02
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	MFe	IL TRM v5	0.02
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC			
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	MFe	IL TRM v5	0.02
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	MFe	IL TRM v5	0.02
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	Allows for Capacity input in Ton		5.44
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	Allows for Capacity input in Ton		8.2
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	Allows for Capacity input in Ton		3.41
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	Allows for Capacity input in Ton		3.41
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	Waste Heat Factor		
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	Waste Heat Factor		
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	Waste Heat Factor		
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp	Waste Heat Factor Demand	IL TRM v5	
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture	Waste Heat Factor		
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture	Waste Heat Factor		
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture	Waste Heat Factor		
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture	Waste Heat Factor		
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Furnace Filter Alarm	Efficiency Improvement	PA TRM	47.40%
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	MFd	IL TRM v5	12000
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	MFd	IL TRM v5	12000
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	MFd	IL TRM v5	12000
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	MFd	IL TRM v5	12000
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC			
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	MFd	IL TRM v5	12000
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	MFd	IL TRM v5	12000
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	HSPFexist = Heating System Per	IL TRM v5	4.5
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	HSPFbase = Heating System Per	IL TRM v5	4.5
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	HSPFexist = Heating System Per	IL TRM v5	4.5
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	HSPFbase = Heating System Per	IL TRM v5	4.5
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp			
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Furnace Filter Alarm	Installation Rate	PA TRM	982
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	Allows for Capacity input in		10
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	Allows for Capacity input in		10
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	Allows for Capacity input in		10
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	Allows for Capacity input in		10
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC			
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	Allows for Capacity input in		10
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	Allows for Capacity input in		10
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	COPpl = Part Load Coefficient of	This example value is the mean	1
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	COPpl = Part Load Coefficient of	This example value is the mean	1
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	COPpl = Part Load Coefficient of	This example value is the mean	1
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	COPpl = Part Load Coefficient of	This example value is the mean	1
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp			
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Furnace Filter Alarm	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	SEERCAC	IL TRM v5	9.2
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	SEERASHP	IL TRM v5	9.2
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	SEERCAC	IL TRM v5	9.2
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	SEERASHP	IL TRM v5	9.2
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC			
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	SEERCAC	IL TRM v5	9.2
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	SEERASHP	IL TRM v5	9.2
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	ElecDHW:= 1 if HW system is elec	IL TRM v5	0.44
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	ElecDHW:= 1 if HW system is elec	IL TRM v5	0.44
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	ElecDHW:= 1 if HW system is elec	IL TRM v5	0.44
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	ElecDHW:= 1 if HW system is elec	IL TRM v5	0.44
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC			

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Measure Description		Quantities		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp			
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Furnace Filter Alarm	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	EER	IL TRM v5	982
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	EER	IL TRM v5	6.8
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	EER	IL TRM v5	982
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	EER	IL TRM v5	6.8
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC			
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	EER	IL TRM v5	982
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	EER	IL TRM v5	6.8
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	%DHWdisplaced = Percentage o	IL TRM v5	2.0005
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	%DHWdisplaced = Percentage o	IL TRM v5	2.0005
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	%DHWdisplaced = Percentage o	IL TRM v5	2.0005
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	%DHWdisplaced = Percentage o	IL TRM v5	2.0005
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC			

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Measure Description				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp			
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	HSPF _{ASHP}	IL TRM v5	982
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	HSPF _{ASHP}	IL TRM v5	982
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC			
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	HSPF _{ASHP}	IL TRM v5	982
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	Efelec = Energy Factor of electri	IL TRM v5	9732988.447
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	Efelec = Energy Factor of electri	IL TRM v5	9732988.447
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	Efelec = Energy Factor of electri	IL TRM v5	9732988.447
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	Efelec = Energy Factor of electri	IL TRM v5	9732988.447
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp			
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	EFLHcool		1376
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	EFLHcool		1376
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC			
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	EFLHcool		1376
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	GSHP Coefficient= GPD * House	IL TRM v5	8.55
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	GSHP Coefficient= GPD * House	IL TRM v5	11.8
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	GSHP Coefficient= GPD * House	IL TRM v5	8.15
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	GSHP Coefficient= GPD * House	IL TRM v5	11
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp			
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC			
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC			
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP	EFLHheat	The EFLH Cooling and Heating	
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	Energy Efficiency Ratio of existin	IL TRM v5	982
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	EER Efficiency of new replacem	IL TRM v5	982
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	Energy Efficiency Ratio of existin	IL TRM v5	982
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	EER Efficiency of new replacem	IL TRM v5	982
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp			
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture			
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture			
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture			
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Furnace Filter Alarm			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP			
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC			
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP			
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC			
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC			
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP			
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP			
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC			
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Business Standard	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture		
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture		
Business Standard	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture		
Business Standard	Interior 8' LED Linear Lamp Replacing 8ft T8 or T12 Lamp		
Small Business Direct Install	LED low bay mogul screw-base lamp/retrofit kit replacing 150W - 300W fixture		
Small Business Direct Install	LED low/high bay mogul screw-base lamp/retrofit kit replacing 301W - 450W fixture		
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing 451W - 750W fixture		
Small Business Direct Install	LED high bay mogul screw-base lamp/retrofit kit replacing > 750W fixture		
Whole House Efficiency	Furnace Filter Alarm		
Whole House Efficiency	Furnace Filter Alarm		
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC		
Whole House Efficiency	Indoor Coil Cleaning_SF:HVAC		
Whole House Efficiency	Indoor Coil Cleaning_SF:ASHP		
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC		
Whole House Efficiency	Outdoor Coil Cleaning_SF:HVAC		
Whole House Efficiency	Outdoor Coil Cleaning_SF:ASHP		
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC		
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: HVAC		
Whole House Efficiency	Refrigerant Charge Adjustment (RCA)_SF: ASHP		
Whole House Efficiency	HVAC Maintenance and Tune-up_SF: HVAC		
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP		
Whole House Efficiency	GSHP - EER 23_Early Retirement GSHP_SF: HVAC, replace ASHP	EFLHheat	The EFLH Cooling and Heating I
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC		
Whole House Efficiency	GSHP - EER 23_Replace at Fail GSHP_SF: HVAC	EFLHheat	The EFLH Cooling and Heating I
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC		
Whole House Efficiency	GSHP - EER 23_AC + Early Retirement Electric Resistance Furnace_SF: HVAC	EFLHheat	The EFLH Cooling and Heating I
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC		
Whole House Efficiency	GSHP - EER 23_AC + Replace at Fail Electric Resistance Furnace_SF: HVAC	EFLHheat	The EFLH Cooling and Heating I
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement or Replace at Fail_SF: HVAC		

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<i>Measure Description</i>					
Program	Measure Name	Primary Key	Segment	End Use	Notes
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	243.1	Single Family	HVAC	Tier 3
Whole House Efficiency	Whole House Efficiency Bonus Incentive	0.01	Single Family		
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure	0.02	Multi-Family		
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure	0.03	Single Family		
Home Energy Report	Home Energy Report Custom Measure	0.04	Single Family		
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure	0.05	Single Family		
Business Custom	Business Custom Measure	0.06	All		
Block Bidding	Block Bidding Custom Measure	0.07	All		
Strategic Energy Management	Strategic Energy Management Custom Measure	0.08	All		
Demand Response Incentive	Demand Repsonse Incentive Custom Measure	0.09	All		

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<i>Measure Description</i>					
Program	Measure Name	Unit Definition	Incremental Measure Cost (\$/Unit)	Electric Energy Savings (Annual kWh/unit)	Electric Energy Savings (Annual kWh/unit) Source
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	per measure	\$ 5,250.00	6,554.2619	IL TRM v5
Whole House Efficiency	Whole House Efficiency Bonus Incentive	per customer			
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure	per customer			
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure	per customer			
Home Energy Report	Home Energy Report Custom Measure	per customer			
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure	per customer			
Business Custom	Business Custom Measure	per customer			
Block Bidding	Block Bidding Custom Measure	per customer			
Strategic Energy Management	Strategic Energy Management Custom Measure	per customer			
Demand Response Incentive	Demand Repsonse Incentive Custom Measure	per customer			

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<i>Measure Description</i>		<i>Gross Measure Values</i>			
Program	Measure Name	Nameplate Demand Savings (kW/unit)	Peak Coincidence Factor	Peak Coincident Factor Source	Coincident Peak Demand Savings (kW/unit)
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	6.6744	72%	IL TRM v5	1.0105
Whole House Efficiency	Whole House Efficiency Bonus Incentive				
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure				
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure				
Home Energy Report	Home Energy Report Custom Measure				
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure				
Business Custom	Business Custom Measure				
Block Bidding	Block Bidding Custom Measure				
Strategic Energy Management	Strategic Energy Management Custom Measure				
Demand Response Incentive	Demand Repsonse Incentive Custom Measure				

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<i>Measure Description</i>					
Program	Measure Name	Coincident Peak Demand Savings (kW/unit) Source	Annual Operating Hours	Annual Operating Hours Source	Measure Life (Years)
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC		982	EFLHcool, from PV	18
Whole House Efficiency	Whole House Efficiency Bonus Incentive				
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure				
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure				
Home Energy Report	Home Energy Report Custom Measure				
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure				
Business Custom	Business Custom Measure				
Block Bidding	Block Bidding Custom Measure				
Strategic Energy Management	Strategic Energy Management Custom Measure				
Demand Response Incentive	Demand Repsonse Incentive Custom Measure				

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<i>Measure Description</i>		<i>Efficiency Values</i>		
Program	Measure Name	Measure Definition	Measure Efficiency Value	Measure Efficiency Value Source
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	Part Load EER Efficiency of efficient GSHP	23	Not verified.
Whole House Efficiency	Whole House Efficiency Bonus Incentive			
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure			
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure			
Home Energy Report	Home Energy Report Custom Measure			
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure			
Business Custom	Business Custom Measure			
Block Bidding	Block Bidding Custom Measure			
Strategic Energy Management	Strategic Energy Management Custom Measure			
Demand Response Incentive	Demand Repsonse Incentive Custom Measure			

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<i>Measure Description</i>				
Program	Measure Name	Baseline Definition	Baseline Efficiency Value	Baseline Efficiency Value Source
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	SEER Efficiency of existing cooling unit= Ac	8.55	IL TRM v5
Whole House Efficiency	Whole House Efficiency Bonus Incentive			
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure			
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure			
Home Energy Report	Home Energy Report Custom Measure			
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure			
Business Custom	Business Custom Measure			
Block Bidding	Block Bidding Custom Measure			
Strategic Energy Management	Strategic Energy Management Custom Measure			
Demand Response Incentive	Demand Repsonse Incentive Custom Measure			

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<i>Measure Description</i>		<i>A</i>
Program	Measure Name	Electric Energy Savings Algorithm
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	$79)-(1/T379))/1000)+((BF379*AE379*(1/AH379)-(1/(AK379*3.412)))/1000)+((AN379*$
Whole House Efficiency	Whole House Efficiency Bonus Incentive	
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure	
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure	
Home Energy Report	Home Energy Report Custom Measure	
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure	
Business Custom	Business Custom Measure	
Block Bidding	Block Bidding Custom Measure	
Strategic Energy Management	Strategic Energy Management Custom Measure	
Demand Response Incentive	Demand Repsonse Incentive Custom Measure	

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<i>Measure Description</i>		<i>thms</i>
Program	Measure Name	Electric Demand Savings Algorithm
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	=ROUND(((AE379*(1/AZ379)-(1/T379))/1000)*L379,4)
Whole House Efficiency	Whole House Efficiency Bonus Incentive	
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure	
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure	
Home Energy Report	Home Energy Report Custom Measure	
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure	
Business Custom	Business Custom Measure	
Block Bidding	Block Bidding Custom Measure	
Strategic Energy Management	Strategic Energy Management Custom Measure	
Demand Response Incentive	Demand Repsonse Incentive Custom Measure	

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[Link to CDD](#)

[Link to HDD](#)

<i>Measure Description</i>		<i>Start/End Dates</i>				
Program	Measure Name	Effective Start Date	Effective End Date	Cooling Degree Days (CDD)	Heating Degree Days (HDD)	Quantity 1
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	4/1/2018				12000
Whole House Efficiency	Whole House Efficiency Bonus Incentive	4/1/2016				
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure	4/1/2016				
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure	4/1/2016	1/31/2017			
Home Energy Report	Home Energy Report Custom Measure	4/1/2016				
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure	4/1/2016				
Business Custom	Business Custom Measure	4/1/2016				
Block Bidding	Block Bidding Custom Measure	4/1/2016				
Strategic Energy Management	Strategic Energy Management Custom Measure	4/1/2016				
Demand Response Incentive	Demand Repsonse Incentive Custom Measure	4/1/2016				

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<i>Measure Description</i>				
Program	Measure Name	Quantity 1 Description	Quantity 1 Source	Quantity 2
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	Allows for Capacity input in Ton		5.44
Whole House Efficiency	Whole House Efficiency Bonus Incentive			
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure			
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure			
Home Energy Report	Home Energy Report Custom Measure			
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure			
Business Custom	Business Custom Measure			
Block Bidding	Block Bidding Custom Measure			
Strategic Energy Management	Strategic Energy Management Custom Measure			
Demand Response Incentive	Demand Repsonse Incentive Custom Measure			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 2 Description	Quantity 2 Source	Quantity 3
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	HSPFexist = Heating System Per	IL TRM v5	4.5
Whole House Efficiency	Whole House Efficiency Bonus Incentive			
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure			
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure			
Home Energy Report	Home Energy Report Custom Measure			
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure			
Business Custom	Business Custom Measure			
Block Bidding	Block Bidding Custom Measure			
Strategic Energy Management	Strategic Energy Management Custom Measure			
Demand Response Incentive	Demand Repsonse Incentive Custom Measure			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 3 Description	Quantity 3 Source	Quantity 4
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	COPpl = Part Load Coefficient of	This example value is the mean	1
Whole House Efficiency	Whole House Efficiency Bonus Incentive			
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure			
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure			
Home Energy Report	Home Energy Report Custom Measure			
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure			
Business Custom	Business Custom Measure			
Block Bidding	Block Bidding Custom Measure			
Strategic Energy Management	Strategic Energy Management Custom Measure			
Demand Response Incentive	Demand Repsonse Incentive Custom Measure			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 4 Description	Quantity 4 Source	Quantity 5
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	ElecDHW:= 1 if HW system is elec	IL TRM v5	0.44
Whole House Efficiency	Whole House Efficiency Bonus Incentive			
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure			
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure			
Home Energy Report	Home Energy Report Custom Measure			
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure			
Business Custom	Business Custom Measure			
Block Bidding	Block Bidding Custom Measure			
Strategic Energy Management	Strategic Energy Management Custom Measure			
Demand Response Incentive	Demand Repsonse Incentive Custom Measure			

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<i>Measure Description</i>		<i>Quantities</i>		
Program	Measure Name	Quantity 5 Description	Quantity 5 Source	Quantity 6
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	%DHWdisplaced = Percentage of	IL TRM v5	2.0005
Whole House Efficiency	Whole House Efficiency Bonus Incentive			
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure			
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure			
Home Energy Report	Home Energy Report Custom Measure			
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure			
Business Custom	Business Custom Measure			
Block Bidding	Block Bidding Custom Measure			
Strategic Energy Management	Strategic Energy Management Custom Measure			
Demand Response Incentive	Demand Repsonse Incentive Custom Measure			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 6 Description	Quantity 6 Source	Quantity 7
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	Efelec = Energy Factor of electric	IL TRM v5	9732988.447
Whole House Efficiency	Whole House Efficiency Bonus Incentive			
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure			
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure			
Home Energy Report	Home Energy Report Custom Measure			
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure			
Business Custom	Business Custom Measure			
Block Bidding	Block Bidding Custom Measure			
Strategic Energy Management	Strategic Energy Management Custom Measure			
Demand Response Incentive	Demand Repsonse Incentive Custom Measure			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 7 Description	Quantity 7 Source	Quantity 8
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	GSHP Coefficient= GPD * House	IL TRM v5	8.55
Whole House Efficiency	Whole House Efficiency Bonus Incentive			
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure			
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure			
Home Energy Report	Home Energy Report Custom Measure			
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure			
Business Custom	Business Custom Measure			
Block Bidding	Block Bidding Custom Measure			
Strategic Energy Management	Strategic Energy Management Custom Measure			
Demand Response Incentive	Demand Repsonse Incentive Custom Measure			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 8 Description	Quantity 8 Source	Quantity 9
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	Energy Efficiency Ratio of existin	IL TRM v5	982
Whole House Efficiency	Whole House Efficiency Bonus Incentive			
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure			
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure			
Home Energy Report	Home Energy Report Custom Measure			
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure			
Business Custom	Business Custom Measure			
Block Bidding	Block Bidding Custom Measure			
Strategic Energy Management	Strategic Energy Management Custom Measure			
Demand Response Incentive	Demand Repsonse Incentive Custom Measure			

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<i>Measure Description</i>				
Program	Measure Name	Quantity 9 Description	Quantity 9 Source	Quantity 10
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	EFLHcool	The EFLH Cooling and Heating	1376
Whole House Efficiency	Whole House Efficiency Bonus Incentive			
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure			
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure			
Home Energy Report	Home Energy Report Custom Measure			
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure			
Business Custom	Business Custom Measure			
Block Bidding	Block Bidding Custom Measure			
Strategic Energy Management	Strategic Energy Management Custom Measure			
Demand Response Incentive	Demand Repsonse Incentive Custom Measure			

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<i>Measure Description</i>			
Program	Measure Name	Quantity 10 Description	Quantity 10 Source
Whole House Efficiency	GSHP - EER 23_ASHP + Early Retirement_SF: HVAC	EFLHheat	The EFLH Cooling and Heating I
Whole House Efficiency	Whole House Efficiency Bonus Incentive		
Income-Eligible Multi-Family	Income-Eligible Multi-Family Custom Measure		
Income-Eligible Weatherization	Income-Eligible Weatherization Custom Measure		
Home Energy Report	Home Energy Report Custom Measure		
Income-Eligible Home Energy Report	Income-Eligible Home Energy Report Custom Measure		
Business Custom	Business Custom Measure		
Block Bidding	Block Bidding Custom Measure		
Strategic Energy Management	Strategic Energy Management Custom Measure		
Demand Response Incentive	Demand Repsonse Incentive Custom Measure		