# Technical Resource Manual

# Table of Abbreviations

| Term | Abbrev | Term | Abbrev |
|---|---|---|---|
| Air Source Heat Pump | ASHP | Building Automation System | BAS |
| Central Air Conditioner | CAC | Compact Fluorescent Light | CFL |
| Demand Side Management | DSM | Energy Efficiency Ratio | EER |
| Electronically Commutated Motors | ECM | Energy Management System | EMS |
| Energy Independence & Security Act | EISA | Equivalent Full Load Hours | EFLH |
| Evaluation Measurement & Verification | EM&V | Integrated Part Load Value | IPLV |
| On-line iEnergy Technical Reference Library | iTRL | High Intensity Discharge | HID |
| Hours of Use | HOU | Heating Ventilation & Air Conditioning | HVAC |
| Kilowatt per Hour | kWh | Kilowatt | kW |
| Missouri Energy Efficiency Investment Act | MEEIA | Net Present Value | NPV |
| National Electrical Manufacturers Association | NEMA | Packaged Terminal Heat Pump | PTHP |
| Packaged Terminal Air Conditioner | PTAC | Remaining Efficient Life | REL |
| Real Discount Rate | RDR | Seasonal Energy Efficiency Ratio | SEER |
| Remaining Useful Life | RUL | Technical Analysis Study | TAS |
| Solar Heat Gain Coefficient | SHGC | Thermostatic Expansion Valves | TXV |
| Technical Resource Manual | TRM | Utility Discount Rate | UDR |
| Typical Meteorological Year | TMY | Variable Air Volume | VAV |
| Unit Energy Consumption | UEC | Variable Speed Drive | VSD |
| Variable Frequency Drive | VFD | | |

## Introduction

The Ameren Missouri Technical Resource Manual (TRM) was developed to establish deemed measure level savings values with associated attributes and supporting documentation. For measures which cannot be deemed, the relevant protocols to determine the measure savings values are described. These savings values and protocols will be used prospectively and updated annually.

This TRM appendix was developed using the iEnergy Technical Reference Library (iTRL) as a web-based platform. This web-based interface gives Ameren Missouri the ability to consolidate and organize efficiency measures and measure parameters to update measure savings as new information becomes available from EM&V data and other sources. Data referenced in the TRM are also dynamically linked such that a user will always know what parameters were used to establish measure level savings.

The application delivers improved transparency and consistency by enabling utility program administrators, evaluators and regulators to calculate, verify and audit TRM savings for all DSM programs. The TRM is organized by customer program type: residential and business. Within each section is a listing of energy efficiency measures broken down by programs:

- Residential Programs
  - Lighting
  - HVAC
  - Appliance Recycling
  - Efficient Products
  - Low Income
  - Energy Efficiency Kits

- Business Programs
  - Standard
  - Custom
  - Retro-Commissioning
  - New Construction

A measure level table of efficiency measures is provided for each program. The measure level table contains:

- Measure Reference Number,
- Measure Name,

- Effective Start Date of the savings values,
- Effective End Date of the savings values,
- Incremental Cost of the measure
- Cost Unit of the measure,
- Gross Annual Demand Reduction (kW),
- Gross Incremental Annual Electric Savings (kWh)
- Savings Unit of the measure, and
- Measure Life.

The measure level table displays basic information about the energy efficiency measure while additional savings attributes associated with the measure gross energy and demand savings and supporting documentation is available from the online TRM by using the Measure Reference number.

Accuracy, transparency, and ease of updating measure savings is the overarching reason for converting the TRM to its electronic counterpart, iTRL. Since calculations for similar measures are performed electronically using the same formula, transcription error is eliminated. Within iTRL, the formulas used to calculate savings are displayed, or in the case of deemed values, the reference source for the deemed value is included, increasing transparency. Finally, when better data is available, through EM&V results, for instance, parameters such as Hours of Use (HOU) or Equivalent Full Load Hours (EFLH) can be updated and all affected measures are easily updated.

To arrive at the individual measure level assumptions, Ameren Missouri consulted multiple databases, Ameren Missouri 2013 Evaluation Measurement & Verification (EM&V) Reports, and other TRMs. Missouri specific data, where available, took precedence over all other data available. Measure level values were given primary precedence if they came from Ameren Missouri EM&V reports. For measures not contained in the EM&V reports, Ameren Missouri consulted its internal database developed by Morgan Marketing Partners which utilizes Missouri specific weather, building vintages, and home sizes. Finally, other state and utility TRMs were consulted. These other TRMs were mainly used to derive engineering equations for estimating energy savings and other formatting ideas and practices, no measure level savings, costs, or effective useful lives were utilized from these TRMs.

The TRM values will be updated annually as better data becomes available. New measure level data savings values will be applied prospectively for the next program year.

The Ameren Missouri web-based TRM can be accessed by Ameren Missouri Energy Efficiency Regulatory Stakeholder Advisory Team member

Appendix B contains written instructions on how to navigate through the web-based TRM site.

The following program measure sections identify energy efficiency measures for both residential and business customers. The values expressed represent Ameren Missouri's best effort to utilize recent Missouri specific data and, where this type of data was not readily available, national best practices.

## Protocol for Deeming New Measures Not Found Within the TRM

A measure or technology maybe discovered to yield cost effective energy and demand savings but is not included within this TRM. The 11 Step Review Process, referenced in Chapter 4 and described in detail in the MEEIA program tariff, will be followed to deem measure level energy and demand savings, incremental costs, effective useful life and other appropriate attributes and supporting documentation.

After the 11 Step Review Process is completed, the TRM will be updated with the new measure savings value and the new measure will be used prospectively.

## Residential Energy Efficiency Program Measures

The individual measures included in the specific Residential Programs may be applied to other Residential Programs as long as the attributes associated with the energy and demand savings are constant.

### Residential Lighting Program Measures

The Lighting Program provides upstream incentives for replacing lights with high efficiency bulbs and fixtures.

One aspect of the Lighting Program that merits additional discussion is the calculation of incremental costs associated with lighting measures in cases where the efficient technology has a longer life than the baseline measure being replaced. An example of this is an LED bulb. An LED lasts 25 years, while a halogen bulb only lasts 2 years and a compact fluorescent lasts 9 years. This differential in lifetimes indicates that the baseline bulb would actually need to be replaced multiple times over the life of the LED. As a result, the incremental cost of an LED is set to zero even though the initial cost of the LED is greater than a single baseline bulb.

The following is a listing of all the Residential Lighting Measures extracted from iTRL.

# Ameren Missouri Residential Lighting Measures for MEEIA Cycle 2016-18

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **CFL - Fixtures: Lighting** | | | | | | | | |
| 957 | Jan 2, 2013 | | 25 | per fixture | 0.014 | 124.0 | per fixture | 20 |
| **CFL - High Wattage Bulbs : Lighting** | | | | | | | | |
| 958 | Jan 1, 2016 | | 15 | per bulb | 0.011 | 173.0 | per bulb | 9 |
| **CFL - Torchiere Floor Lamps: Lighting** | | | | | | | | |
| 961 | Jan 2, 2013 | | 50 | per lamp | 0.016 | 164.0 | per lamp | 12 |
| **HID - Exterior: Lighting** | | | | | | | | |
| 952 | Jan 2, 2013 | | 84.85 | per bulb | 0.0 | 603.0 | per bulb | 6 |
| **LED - 10.5W Downlight E26 Light Bulb: Lighting** | | | | | | | | |
| 962 | Jan 1, 2016 | | 32.97 | per bulb | 0.0 | 28.3 | per bulb | 25 |
| **LED - 10W No 13W CFL: Lighting** | | | | | | | | |
| 1204 | Jan 1, 2016 | | 0 | per bulb | 0.0 | 26.6 | per bulb | 25 |
| **LED - 12W Dimmable Light Bulb : Lighting** | | | | | | | | |
| 963 | Jan 1, 2016 | | 0 | per bulb | 0.0 | 25.8 | per bulb | 25 |
| **LED - 15W Flood Light PAR30 Bulb (POST-EISA): Lighting** | | | | | | | | |
| 964 | Jan 2, 2013 | | 0 | per bulb | 0.0 | 35.0 | per bulb | 25 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **LED - 15W No 18W CFL: Lighting** | | | | | | | | |
| 1205 | Jan 1, 2016 | | 0 | per bulb | 0.0 | 32.5 | per bulb | 25 |
| **LED - 18W Flood Light PAR38 Bulb (POST-EISA): Lighting** | | | | | | | | |
| 965 | Jan 2, 2013 | | 0 | per bulb | 0.0 | 32.0 | per bulb | 25 |
| **LED - 20W No 23 W CFL: Lighting** | | | | | | | | |
| 1206 | Jan 1, 2016 | | 0 | per bulb | 0.0 | 48.8 | per bulb | 25 |
| **LED - 8W Globe Light G25 Bulb: Lighting** | | | | | | | | |
| 966 | Jan 1, 2016 | | 0 | per bulb | 0.0 | 25.1 | per bulb | 25 |

## Residential HVAC Program Measures

The HVAC program provides incentives for replacement of HVAC units with energy efficient models. It also provides incentives for HVAC tune-ups and duct sealing.

The replacement of HVAC systems can either be applied as an "early replacement" or as a "replace on fail". An "early replacement" analysis has two components, the remaining useful life of the baseline equipment, and the remaining useful life of the efficient equipment after the baseline equipment would have failed.

1. Remaining useful life of the existing equipment (assumed to be 1/3 of the life of the equipment). For example, an air conditioner lasts 18 years, regardless of efficiency. The existing equipment installed in the home would then have 6 years of remaining useful life.
2. Remaining useful life of the efficient equipment after the existing equipment would have failed (assumed to be 2/3 of the life of the equipment). For example, an air conditioner lasts 18 years, regardless of efficiency. The efficient equipment installed in the home would then have 12 years of remaining useful life after the original existing equipment would have failed.
3. There are two levels of savings. One level of savings occurs from the new, efficient equipment compared to the existing, installed unit for the remaining useful life of the existing unit. The next level of savings is obtained by subtracting the current federal standard or code equipment's consumption from the new efficient equipment. Example: replacing an existing Seasonal Energy Efficiency Ratio (SEER) 8 central air conditioner with a new SEER 15 air conditioner. There would be 6 years of savings for the first tier (SEER 8 kWh – SEER 15 kWh), and then there would be 12 years of savings from the second tier (SEER 13 kWh – SEER 15 kWh).
4. Incremental cost calculation. This is typically calculated as the difference between the full cost of the efficient measure and the Net Present Value of the Standard/Code baseline equipment. The Standard/Code measure will be installed at the expiration of the remaining useful life of the existing equipment (in the previous example, 6 years from today).

Some equipment has multiple measures listed based upon what it is replacing. For example, an efficient ASHP can either replace an existing ASHP or a CAC with an electric resistance furnace.

The following is a listing of all the Residential HVAC Measures extracted from iTRL.

# Ameren Missouri Residential HVAC Measures for MEEIA Cycle 2016-18

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **ASHP - SEER 15 ER Elec Resist Furnace: HVAC** | | | | | | | | |
| 919 | Jan 1, 2016 | | 1607 | per measure | 1.216 | 14255.0 | per measure | 18 |
| **ASHP - SEER 15 ER with ASHP: HVAC** | | | | | | | | |
| 920 | Jan 1, 2016 | | 1184 | per measure | 2.040 | 5106.0 | per measure | 18 |
| **ASHP- SEER 15 Replace at Fail Elec Resist Furnace: HVAC** | | | | | | | | |
| 921 | Jan 1, 2016 | | 1074 | per measure | 0.257 | 12951.0 | per measure | 18 |
| **ASHP - SEER 15 Replace at Fail with ASHP: HVAC** | | | | | | | | |
| 922 | Jan 1, 2016 | | 522 | per measure | 0.257 | 1406.0 | per measure | 18 |
| **ASHP - SEER 16+ ER Elec Resist Furnace: HVAC** | | | | | | | | |
| 923 | Jan 1, 2016 | | 2018 | per measure | 2.198 | 16731.0 | per measure | 18 |
| **ASHP - SEER 16+ ER with ASHP: HVAC** | | | | | | | | |
| 924 | Jan 1, 2016 | | 1595 | per measure | 2.303 | 6444.0 | per measure | 18 |
| **ASHP- SEER 16+ Replace at Fail Elec Resist Furnace: HVAC** | | | | | | | | |
| 925 | Jan 1, 2016 | | 1485 | per measure | 0.300 | 16132.0 | per measure | 18 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **ASHP - SEER 16+ Replace at Fail with ASHP: HVAC** | | | | | | | | |
| 926 | Jan 1, 2016 | | 933 | per measure | 0.247 | 2111.0 | per measure | 18 |
| **CAC - SEER 14 ER: HVAC** | | | | | | | | |
| 945 | Jan 1, 2016 | | 890 | per measure | 1.845 | 1634.0 | per measure | 18 |
| **CAC - SEER 14 Replace at Fail: HVAC** | | | | | | | | |
| 944 | Jan 1, 2016 | | 357 | per measure | 0.138 | 346.0 | per measure | 18 |
| **CAC - SEER 15 ER: HVAC** | | | | | | | | |
| 947 | Jan 1, 2016 | | 1247 | per measure | 2.194 | 1960.0 | per measure | 18 |
| **CAC - SEER 15 Replace at Fail: HVAC** | | | | | | | | |
| 946 | Jan 1, 2016 | | 714 | per measure | 0.279 | 391.0 | per measure | 18 |
| **CAC - SEER 16+ ER: HVAC** | | | | | | | | |
| 949 | Jan 1, 2016 | | 1304 | per measure | 2.073 | 1913.0 | per measure | 18 |
| **CAC - SEER 16+ Replace at Fail: HVAC** | | | | | | | | |
| 948 | Jan 1, 2016 | | 771 | per measure | 0.327 | 382.0 | per measure | 18 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Duct Sealing Level 1: HVAC** | | | | | | | | |
| 905 | Jan 1, 2016 | | 325 | per home | 0.241 | 641.1 | per home | 20 |
| **Duct Sealing Level 2: HVAC** | | | | | | | | |
| 906 | Jan 1, 2016 | | 325 | per home | 0.419 | 1113.1 | per home | 20 |
| **ECM Auto Fan Early Replacement: HVAC** | | | | | | | | |
| 908 | Jan 1, 2016 | | 168 | per measure | 0.000 | 738.0 | per measure | 15 |
| **ECM Auto Fan Replace at Fail: HVAC** | | | | | | | | |
| 907 | Jan 1, 2016 | | 263 | per measure | 0.000 | 738.0 | per measure | 15 |
| **ECM Continuous Fan Early Replacement: HVAC** | | | | | | | | |
| 911 | Jan 1, 2016 | | 168 | per measure | 0.000 | 3488.0 | per measure | 15 |
| **ECM Continuous Fan Replace at Fail: HVAC** | | | | | | | | |
| 910 | Jan 1, 2016 | | 125 | per measure | 0.000 | 3488.0 | per measure | 15 |
| **Geothermal HP Desuperheater: HVAC** | | | | | | | | |
| 932 | Jan 1, 2016 | | 239 | per measure | 0.170 | 730.5 | per measure | 10 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **GSHP - EER 17_SF: HVAC** | | | | | | | | |
| 1218 | Jan 1, 2016 | | 539 | per measure | 0.458 | 1771.0 | per measure | 12 |
| **GSHP - EER 19_SF: HVAC** | | | | | | | | |
| 1219 | Jan 1, 2016 | | 539 | per measure | 0.641 | 2402.0 | per measure | 12 |
| **GSHP - SEER 14+ ER Elec Resist Furnace: HVAC** | | | | | | | | |
| 934 | Jan 1, 2016 | | 5250 | per measure | 3.326 | 28485.0 | per measure | 18 |
| **GSHP - SEER 14+ Replace Elec Resist Furnace: HVAC** | | | | | | | | |
| 935 | Jan 1, 2016 | | 4717 | per measure | 1.372 | 27207.0 | per measure | 18 |
| **Heat Pump Strip Installed: HVAC** | | | | | | | | |
| 913 | Jan 1, 2016 | | 154 | per measure | 0.470 | 1332.0 | per measure | 15 |
| **Heat Pump Strip Reset: HVAC** | | | | | | | | |
| 914 | Jan 1, 2016 | | 154 | per measure | 0.470 | 1332.0 | per measure | 15 |
| **HVAC Maintenance and Tune-up_SF: HVAC** | | | | | | | | |
| 943 | Jan 1, 2016 | | 130 | per measure | 0.033 | 174.0 | per measure | 10 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Indoor Coil Cleaning: HVAC** | | | | | | | | |
| 941 | Jan 1, 2016 | | 63 | per cleaning | 0.070 | 183.0 | per measure | 5 |
| **Outdoor Coil Cleaning: HVAC** | | | | | | | | |
| 942 | Jan 1, 2016 | | 31 | per cleaning | 0.160 | 230.0 | per measure | 5 |
| **PTAC 10.3 EER_SF: HVAC** | | | | | | | | |
| 950 | Jan 2, 2013 | | 124 | per measure | 0.105 | 133.0 | per measure | 15 |
| **PTAC 9.3 EER_SF: HVAC** | | | | | | | | |
| 951 | Jan 2, 2013 | | 136 | per measure | 0.204 | 212.5 | per measure | 15 |
| **PTHP 10.9 EER_SF: HVAC** | | | | | | | | |
| 936 | Jan 2, 2013 | | 155 | per measure | 0.145 | 244.3 | per measure | 15 |
| **PTHP 9.1 EER_SF: HVAC** | | | | | | | | |
| 937 | Jan 2, 2013 | | 169 | per measure | 0.196 | 336.2 | per measure | 15 |
| **RCA 10% improvement_SF: HVAC** | | | | | | | | |
| 940 | Jan 1, 2016 | | 127 | per measure | 0.505 | 687.0 | per measure | 10 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **RCA 15% improvement_SF: HVAC** | | | | | | | | |
| 1217 | Jan 1, 2016 | | 402 | per measure | 0.358 | 1116.6 | per measure | 10 |
| **RCA 5% improvement_SF: HVAC** | | | | | | | | |
| 1216 | Jan 1, 2016 | | 105 | per measure | 0.124 | 370.5 | per measure | 10 |

## Residential Appliance Recycling Program Measures

The Appliance Recycling program offers Ameren Missouri's residential customers an incentive and free pickup service for recycling an operable refrigerator and stand-alone freezer (up to a total of three per customer per year). Customers may also recycle a working room air conditioner or dehumidifier, along with a qualifying refrigerator or freezer (with a limit of three per customer per year). Incentives are not provided for air conditioners or dehumidifiers

The measures in the Residential Appliance Recycling program are different than other measures in the TRM because the efficient characteristics assume a complete removal of the base characteristic. The incremental cost for each appliance recycling measure is the actual cost associated with the removal and recycling of the retired unit. The measure life is the remaining useful life of the recycled unit.

The following is a listing of all the Residential Appliance Recycling Measures extracted from iTRL.

# Ameren Missouri Residential Appliance Recycling Measures for MEEIA Cycle 2016-18

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Dehumidifier recycling: Appliance Recycle** | | | | | | | | |
| 1 | Jan 1, 2016 | | 49 | per measure | 0.113 | 964.0 | per measure | 8 |
| **Freezer Recycling: Appliance Recycle** | | | | | | | | |
| 2 | Jan 1, 2016 | | 84 | per measure | 0.184 | 969.0 | per measure | 8 |
| **Refrigerator Recycling: Appliance Recycle** | | | | | | | | |
| 3 | Jan 1, 2016 | | 84 | per measure | 0.130 | 1013.0 | per measure | 10 |
| **Room AC recycling: Appliance Recycle** | | | | | | | | |
| 4 | Jan 1, 2016 | | 49 | per measure | 0.084 | 830.0 | per measure | 8 |

## Efficient Products Program Measures

The Efficient Products Program provides mail-in and online rebates for retail products and the sale of products at a discounted price through an online store. Various end-use cost-effective measures included consist of qualified energy star appliances, power management, water heaters, window air conditioning units, pool pumps, and various building shell measures.

The following is a listing of all the Residential Efficient Products Measures extracted from iTRL.

# Ameren Missouri Residential Efficient Products Measures for MEEIA Cycle 2016-18

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **AC - Energy Star Room: Efficient Products** | | | | | | | | |
| 857 | Jan 1, 2016 | | 50 | per measure | 0.094 | 50.0 | per measure | 12 |
| **Air Sealing (Infiltration reduction) - 50%_SF: Efficient Products** | | | | | | | | |
| 874 | Jan 1, 2016 | | 264 | per home | 0.070 | 740.0 | per home | 13 |
| **Ceiling Insulation R5-R30 All Electric: Efficient Products** | | | | | | | | |
| 875 | Jan 1, 2016 | | 475 | per home | 0.300 | 434 | per home | 25 |
| **Ceiling Insulation R5-R38 All Electric: Efficient Products** | | | | | | | | |
| 876 | Jan 1, 2016 | | 550 | per home | 0.300 | 452 | per home | 25 |
| **Ceiling Insulation R5-R49 All Electric: Efficient Products** | | | | | | | | |
| 881 | Jan 1, 2016 | | 665 | per home | 0.400 | 468 | per home | 25 |
| **Energy Star Air Purifier:Efficient Products** | | | | | | | | |
| 1177 | Jan 1, 2016 | | 70 | per measure | 0.081 | 482 | per measure | 9 |
| **Energy Star Water Cooler - Cold Only: Efficient Products** | | | | | | | | |
| 1180 | Jan 2, 2013 | | 17 | per measure | 0.233 | 47.0 | per measure | 10 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Energy Star Water Cooler - Hot and Cold: Efficient Products** | | | | | | | | |
| 1181 | Jan 1, 2016 | | 17 | per measure | 0.001 | 361.0 | per measure | 10 |
| **Heat Pump Water Heaters: Efficient Products** | | | | | | | | |
| 872 | Jan 1, 2016 | | 1480 | per measure | 0.325 | 2275.0 | per measure | 15 |
| **Pool Pump and Motor Single Speed: Efficient Products** | | | | | | | | |
| 860 | Jan 2, 2013 | | 85 | per measure | 0.357 | 694.0 | per measure | 10 |
| **Smart Strip plug outlet_SF Kit Load Sensing: Efficient Products** | | | | | | | | |
| 1031 | Jan 1, 2016 | | 40 | per measure | 0.013 | 54 | per measure | 5 |
| **Smart Strip plug outlet: - Online Motion Sensing: Efficient Products** | | | | | | | | |
| 862 | Jan 1, 2016 | | 40 | per measure | 0.013 | 64.0 | per measure | 5 |
| **VFDs on Residential Swimming Pool Pumps: Efficient Products** | | | | | | | | |
| 861 | Jan 1, 2016 | | 425 | per measure | 0.528 | 1543.0 | per measure | 10 |
| **Water Heater, Thermostat Setback - Electric: Efficient Products** | | | | | | | | |
| 863 | Jan 1, 2016 | | 8 | per measure | 0.020 | 163.0 | per measure | 4 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Window Film_MF: Efficient Products** | | | | | | | | |
| 970 | Jan 1, 2016 | | 538 | per measure | 0.626 | 325.0 | per measure | 10 |
| **Window Replacement_SF: Efficient Products** | | | | | | | | |
| 882 | Jan 1, 2016 | | 476 | per home | 0.517 | 271.4 | per home | 20 |

## Low Income Program Measures

The Low Income Program provides the direct installation of energy efficient lighting and hot water measures into low income single family homes and multi-tenant properties. The program can also include the replacement and tune-up of HVAC systems, the replacement of appliances, and the installation of building shell measures.

The following is a listing of all the Residential Low Income Measures extracted from iTRL.

# Ameren Missouri Low Income Measures for MEEIA Cycle 2016-18

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **AC - Energy Star Room_MF: Low Income** | | | | | | | | |
| 974 | Jan 1, 2016 | | 50 | per measure | 0.291 | 539.0 | per measure | 12 |
| **AC - Energy Star Room_SF: Low Income** | | | | | | | | |
| 975 | Jan 1, 2016 | | 50 | per measure | 0.094 | 227.1 | per measure | 12 |
| **AC - Energy Star Room - Thru-Wall_MF: Low Income** | | | | | | | | |
| 972 | Jan 1, 2016 | | 50 | per measure | 0.292 | 539.0 | per measure | 12 |
| **AC - Energy Star Room - Thru-Wall_SF: Low Income** | | | | | | | | |
| 973 | Jan 1, 2016 | | 50 | per measure | 0.094 | 226.2 | per measure | 12 |
| **Air Sealing (Infiltration reduction) - 50%_SF: Low Income** | | | | | | | | |
| 1207 | Jan 1, 2016 | | 264 | per measure | 0.120 | 740.0 | per measure | 13 |
| **Ceiling Insulation R5-R30 All Electric: Low Income** | | | | | | | | |
| 1208 | Jan 1, 2016 | | 475 | per measure | 0.300 | 434.0 | per measure | 25 |
| **Ceiling Insulation R5-R38 All Electric: Low Income** | | | | | | | | |
| 1209 | Jan 1, 2016 | | 550 | per measure | 0.300 | 452.0 | per measure | 25 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Ceiling Insulation R5-R38 All Electric: Low Income** | | | | | | | | |
| 1210 | Jan 1, 2016 | | 665 | per measure | 0.400 | 468.0 | per measure | 25 |
| **Energy Star Refrigerator_MF: Low Income** | | | | | | | | |
| 968 | Jan 1, 2016 | | 680 | per measure | 0.178 | 906.0 | per measure | 10 |
| **HVAC Maintenance and Tune-up_MF: Low Income** | | | | | | | | |
| 999 | Jan 1, 2016 | | 70 | per measure | 0.094 | 130.6 | per measure | 10 |
| **HVAC Maintenance and Tune-up_SF: Low Income** | | | | | | | | |
| 1000 | Jan 1, 2016 | | 130 | per measure | 0.209 | 303.1 | per measure | 10 |
| **LED - 10.5W Downlight E26 Light Bulb_MF: Low Income** | | | | | | | | |
| 1018 | Jan 1, 2016 | | 0 | per bulb | 0.000 | 28.3 | per bulb | 25 |
| **LED - 10.5W Downlight E26 Light Bulb_SF: Low Income** | | | | | | | | |
| 1019 | Jan 1, 2016 | | 0 | per bulb | 0.000 | 28.3 | per bulb | 25 |
| **LED - 12W Dimmable Light Bulb_MF: Low Income** | | | | | | | | |
| 1021 | Jan 1, 2016 | | 0 | per bulb | 0.000 | 25.8 | per bulb | 25 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **LED - 12W Dimmable Light Bulb _SF: Low Income** | | | | | | | | |
| 1020 | Jan 1, 2016 | | 0 | per bulb | 0.000 | 25.8 | per bulb | 25 |
| **LED - 15W Flood Light PAR30 Bulb (Post-EISA)_MF: Low Income** | | | | | | | | |
| 1022 | Jan 1, 2016 | | 0 | per bulb | 0.000 | 21.9 | per bulb | 25 |
| **LED - 15W Flood Light PAR30 Bulb (Post-EISA)_SF: Low Income** | | | | | | | | |
| 1023 | Jan 1, 2016 | | 0 | per bulb | 0.000 | 21.9 | per bulb | 25 |
| **LED - 18W Flood Light PAR38 Bulb (Post-EISA)_MF: Low Income** | | | | | | | | |
| 1024 | Jan 1, 2016 | | 0 | per bulb | 0.000 | 20.1 | per bulb | 25 |
| **LED - 18W Flood Light PAR38 Bulb (Post-EISA)_SF: Low Income** | | | | | | | | |
| 1025 | Jan 1, 2016 | | 0 | per bulb | 0.000 | 20.1 | per bulb | 25 |
| **LED - 8W Globe Light G25 Bulb_MF: Low Income** | | | | | | | | |
| 1026 | Jan 1, 2016 | | 0 | per bulb | 0.000 | 14.2 | per bulb | 25 |
| **LED - 8W Globe Light G25 Bulb_SF: Low Income** | | | | | | | | |
| 1027 | Jan 1, 2016 | | 0 | per bulb | 0.000 | 14.2 | per bulb | 25 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Low Flow Faucet Aerator _MF: Low Income** | | | | | | | | |
| 1033 | Jan 1, 2016 | | 14 | per measure | 0.000 | 40.0 | per measure | 12 |
| **Low Flow Faucet Aerator _SF: Low Income** | | | | | | | | |
| 1034 | Jan 1, 2016 | | 10 | per measure | 0.016 | 61.9 | per measure | 12 |
| **Low Flow Showerhead_MF: Low Income** | | | | | | | | |
| 1035 | Jan 1, 2016 | | 42 | per measure | 0.000 | 184.0 | per measure | 12 |
| **Low Flow Showerhead_SF: Low Income** | | | | | | | | |
| 1036 | Jan 1, 2016 | | 32 | per measure | 0.048 | 325.8 | per measure | 12 |
| **Pipe Insulation_MF: Low Income** | | | | | | | | |
| 1037 | Jan 1, 2016 | | 5 | per measure | 0.000 | 22.0 | per measure | 6 |
| **Pipe Insulation_SF: Low Income** | | | | | | | | |
| 1038 | Jan 1, 2016 | | 8 | per measure | 0.029 | 244.0 | per measure | 6 |
| **PTAC 10.3 EER_MF: Low Income** | | | | | | | | |
| 1005 | Jan 1, 2016 | | 124 | per measure | 0.105 | 133.0 | per measure | 15 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **PTAC 9.3 EER_MF: Low Income** | | | | | | | | |
| 1006 | Jan 1, 2016 | | 136 | per measure | 0.204 | 212.5 | per measure | 15 |
| **PTHP 10.9 EER_MF: Low Income** | | | | | | | | |
| 991 | Jan 1, 2016 | | 155 | per measure | 0.145 | 244.3 | per measure | 15 |
| **PTHP 9.1 EER_MF: Low Income** | | | | | | | | |
| 992 | Jan 1, 2016 | | 169 | per measure | 0.196 | 336.2 | per measure | 15 |
| **RCA 10% improvement_MF: Low Income** | | | | | | | | |
| 995 | Jan 1, 2016 | | 70 | per measure | 0.118 | 365.0 | per measure | 10 |
| **RCA 10% improvement_SF: Low Income** | | | | | | | | |
| 996 | Jan 1, 2016 | | 127 | per measure | 0.233 | 801.2 | per measure | 10 |
| **RCA 15% improvement_MF: Low Income** | | | | | | | | |
| 997 | Jan 1, 2016 | | 219 | per measure | 0.177 | 130.6 | per measure | 10 |
| **RCA 15% improvement_SF: Low Income** | | | | | | | | |
| 1213 | Jan 1, 2016 | | 402 | per measure | 0.358 | 289.3 | per measure | 10 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **RCA 5% improvement_MF: Low Income** | | | | | | | | |
| 998 | Jan 1, 2016 | | 58 | per measure | 0.059 | 43.5 | per measure | 10 |
| **RCA 5% improvement_SF: Low Income** | | | | | | | | |
| 1214 | Jan 1, 2016 | | 105 | per measure | 0.124 | 96.0 | per measure | 10 |
| **Refrigerator Coil Cleaning Brush_SF: Low Income** | | | | | | | | |
| 1172 | Jan 2, 2013 | | 3 | per measure | 0.077 | 16.5 | per measure | 2 |
| **Window Film_MF: Low Income** | | | | | | | | |
| 970 | Jan 1, 2016 | | 538 | per measure | 0.626 | 325.4 | per measure | 10 |
| **Window Replacement_SF: Low Income** | | | | | | | | |
| 1211 | Jan 1, 2016 | | 476 | per measure | 0.517 | 271.0 | per measure | 20 |

## Energy Efficiency Kit Program Measures

The Kit Program offers free home energy kits to customers and may include lighting and hot water measures for customers with electric water heaters. The kits may be distributed through schools, directly installed into multifamily properties, or distributed to targeted customers that request them.

The following is a listing of all the Kit Measures extracted from iTRL.

# Ameren Missouri Kit Measures for MEEIA Cycle 2016-18

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **LED - 12 W_MF: Kits** | | | | | | | | |
| 1203 | Jan 1, 2016 | | 0 | per bulb | 0.000 | 25.4 | per bulb | 25 |
| **LED - 12 W_SF: Kits** | | | | | | | | |
| 1202 | Jan 1, 2016 | | 0 | per bulb | 0.000 | 25.4 | per bulb | 25 |
| **Low Flow Faucet Aerator - Electric water heater _MF: Kits** | | | | | | | | |
| 865 | Jan 1, 2016 | | 3 | per measure | 0.016 | 35 | per measure | 12 |
| **Low Flow Faucet Aerator - Electric water heater_SF: Kits** | | | | | | | | |
| 864 | Jan 1, 2016 | | 3 | per measure | 0.016 | 37.0 | per measure | 12 |
| **Low Flow Shower Aerator_MF: Kits** | | | | | | | | |
| 1201 | Jan 1, 2016 | | 4 | per measure | 0 | 25.6 | per measure | 12 |
| **Low Flow Shower Aerator_SF: Kits** | | | | | | | | |
| 1200 | Jan 1, 2016 | | 4 | per measure | .016 | 28.5 | per measure | 12 |
| **Low Flow Showerhead - Electric water heater_MF: Kits** | | | | | | | | |
| 867 | Jan 1, 2016 | | 9 | per measure | 0.048 | 231.0 | per measure | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Low Flow Showerhead - Electric water heater_SF: Kits** | | | | | | | | |
| 866 | Jan 1, 2016 | | 9 | per measure | 0.048 | 210.0 | per measure | 12 |
| **Pipe Insulation_MF: Kits** | | | | | | | | |
| 868 | Jan 1, 2016 | | 5 | per measure | 0.029 | 91 | per measure | 6 |
| **Pipe Insulation_SF: Kits** | | | | | | | | |
| 1167 | Jan 1, 2016 | | 5 | per measure | 0.029 | 364 | per measure | 6 |

## Business Energy Efficiency Program Measures

The Business Energy Efficiency specific measures are listed below for the Standard program. The Custom, Retro-Commissioning (RCx) program and New Construction program measures are similar in that they require to be calculated by the methodology outlined in the Custom Section. Where they differ is RCx only applies to Compressed Air, Building Automation System (BAS), and Lighting. The calculated savings for these measures are listed separately under each program because the incentive level and energy savings could be different among the programs. The individual measures included in the Standard program measure list may be applied to other Business Programs as long as the attributes associated with the energy and demand savings are constant with the deemed values.

### Business Standard Program Measures:

The Business Standard Program encourages customer participation through a simple and streamlined process. The program is designed to promote the installation of energy efficient technologies such as lighting, motors, HVAC, and refrigeration in nonresidential properties. Measures included within this program are common in multiple marketplaces and have deemed savings values associated with their energy performance. Applications are filled out and delivered to Ameren Missouri via contractors, customers, or through the Company's website. Ameren Missouri, through its contractor, multiply the measure quantities by the saving per measure in this TRM to determine the total energy saved. Various measures may require a simple calculation to identify measure savings, but the measure level incentives will remain fixed regardless of individual project characteristics.

The following is a listing of all the Business Standard Measures extracted from iTRL.

# Ameren Missouri Standard Measures for MEEIA Cycle 2016-18

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **AC 135,000 - 240,000: Biz Standard** | | | | | | | | |
| 726 | Jan 2, 2013 | | 110.89 | per ton | 0.136 | 119.0 | per ton | 15 |
| **AC greater than 760,000: Biz Standard** | | | | | | | | |
| 727 | Jan 2, 2013 | | 98.38 | per ton | 0.105 | 92.1 | per ton | 15 |
| **AC less than 65,000 1 Ph: Biz Standard** | | | | | | | | |
| 728 | Jan 2, 2013 | | 55.57 | per ton | 0.075 | 65.2 | per ton | 15 |
| **Air-Cooled Recip Chiller COP = 2.8, IPLV = 3.41: Biz Standard** | | | | | | | | |
| 2800 | Jan 1, 2016 | | 45.07 | per ton | 0.02 | 126.5 | per ton | 20 |
| **Air-Cooled Recip Chiller COP = 2.8, IPLV = 3.89: Biz Standard** | | | | | | | | |
| 2801 | Jan 1, 2016 | | 92.04 | per ton | 0.041 | 268.7 | per ton | 20 |
| **Air-Cooled Recip Chiller COP = 2.8, IPLV = 4.24: Biz Standard** | | | | | | | | |
| 2802 | Jan 1, 2016 | | 119.59 | per ton | 0.053 | 338.6 | per ton | 20 |
| **Air-Cooled Recip Chiller COP = 3.08, IPLV = 3.36: Biz Standard** | | | | | | | | |
| 2803 | Jan 1, 2016 | | 58.58 | per ton | 0.104 | 222.9 | per ton | 20 |
| **Air-Cooled Recip Chiller COP = 3.08, IPLV = 3.76: Biz Standard** | | | | | | | | |
| 2804 | Jan 1, 2016 | | 99.68 | per ton | 0.123 | 338 | per ton | 20 |
| **Air-Cooled Recip Chiller COP = 3.08, IPLV = 4.28: Biz Standard** | | | | | | | | |
| 2805 | Jan 1, 2016 | | 141.63 | per ton | 0.142 | 467.5 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Air-Cooled Recip Chiller COP = 3.08, IPLV = 4.67: Biz Standard** | | | | | | | | |
| 2806 | Jan 1, 2016 | | 166.96 | per ton | 0.152 | 531.2 | per ton | 20 |
| **Air-Cooled Recip Chiller COP = 3.36, IPLV = 3.66: Biz Standard** | | | | | | | | |
| 2807 | Jan 1, 2016 | | 106.23 | per ton | 0.192 | 410.9 | per ton | 20 |
| **Air-Cooled Recip Chiller COP = 3.36, IPLV = 4.10: Biz Standard** | | | | | | | | |
| 2808 | Jan 1, 2016 | | 144.29 | per ton | 0.209 | 516.5 | per ton | 20 |
| **Air-Cooled Recip Chiller COP = 3.36, IPLV = 4.67: Biz Standard** | | | | | | | | |
| 2809 | Jan 1, 2016 | | 182.94 | per ton | 0.227 | 635.2 | per ton | 20 |
| **Air-Cooled Recip Chiller COP = 3.36, IPLV = 5.09: Biz Standard** | | | | | | | | |
| 2810 | Jan 1, 2016 | | 205.88 | per ton | 0.236 | 693.6 | per ton | 20 |
| **Air-Cooled Screw Chiller COP = 2.8, IPLV = 3.46: Biz Standard** | | | | | | | | |
| 2811 | Jan 1, 2016 | | 50.57 | per ton | 0.024 | 142.4 | per ton | 20 |
| **Air-Cooled Screw Chiller COP = 2.8, IPLV = 3.64: Biz Standard** | | | | | | | | |
| 2812 | Jan 1, 2016 | | 69.12 | per ton | 0.044 | 204.6 | per ton | 20 |
| **Air-Cooled Screw Chiller COP = 2.8, IPLV = 4.75: Biz Standard** | | | | | | | | |
| 2813 | Jan 1, 2016 | | 152.46 | per ton | 0.065 | 380.3 | per ton | 20 |
| **Air-Cooled Screw Chiller COP = 3.08, IPLV = 3.36: Biz Standard** | | | | | | | | |
| 2814 | Jan 1, 2016 | | 58.58 | per ton | 0.106 | 223.5 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Air-Cooled Screw Chiller COP = 3.08, IPLV = 3.80: Biz Standard** | | | | | | | | |
| 2815 | Jan 1, 2016 | | 103.31 | per ton | 0.128 | 353.2 | per ton | 20 |
| **Air-Cooled Screw Chiller COP = 3.08, IPLV = 4.00: Biz Standard** | | | | | | | | |
| 2816 | Jan 1, 2016 | | 120.4 | per ton | 0.146 | 409.8 | per ton | 20 |
| **Air-Cooled Screw Chiller COP = 3.08, IPLV = 5.22: Biz Standard** | | | | | | | | |
| 2817 | Jan 1, 2016 | | 196.24 | per ton | 0.166 | 569.8 | per ton | 20 |
| **Air-Cooled Screw Chiller COP = 3.36, IPLV = 3.66: Biz Standard** | | | | | | | | |
| 2818 | Jan 1, 2016 | | 106.23 | per ton | 0.196 | 412.2 | per ton | 20 |
| **Air-Cooled Screw Chiller COP = 3.36, IPLV = 4.15: Biz Standard** | | | | | | | | |
| 2819 | Jan 1, 2016 | | 148.11 | per ton | 0.216 | 531 | per ton | 20 |
| **Air-Cooled Screw Chiller COP = 3.36, IPLV = 4.42: Biz Standard** | | | | | | | | |
| 2820 | Jan 1, 2016 | | 167.22 | per ton | 0.233 | 583 | per ton | 20 |
| **Air-Cooled Screw Chiller COP = 3.36, IPLV = 5.69: Biz Standard** | | | | | | | | |
| 2821 | Jan 1, 2016 | | 232.77 | per ton | 0.251 | 729.6 | per ton | 20 |
| **Anti-Sweat Heater Controls -- Cooler: Biz Standard** | | | | | | | | |
| 838 | Jan 2, 2013 | | 151 | per measure | 0.079 | 1367.0 | per measure | 12 |
| **Beverage Vending Machine Control: Biz Standard** | | | | | | | | |
| 839 | Jan 1, 2016 | | 141 | per measure | 0.055 | 1651.5 | per measure | 5 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Central Lighting Control: College/University: Biz Standard** | | | | | | | | |
| 776-1 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 19223.2 | per 10,000 | 12 |
| **Central Lighting Control: Elementary School: Biz Standard** | | | | | | | | |
| 776-10 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 7568.8 | per 10,000 | 12 |
| **Central Lighting Control: Exterior: Biz Standard** | | | | | | | | |
| 776-15 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 13687.5 | per 10,000 | 12 |
| **Central Lighting Control: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 776-19 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 27375.0 | per 10,000 | 12 |
| **Central Lighting Control: Garage: Biz Standard** | | | | | | | | |
| 776-4 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 11062.5 | per 10,000 | 12 |
| **Central Lighting Control: Grocery: Biz Standard** | | | | | | | | |
| 776-5 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 20325.5 | per 10,000 | 12 |
| **Central Lighting Control: Heavy Industry: Biz Standard** | | | | | | | | |
| 776-11 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 19212.4 | per 10,000 | 12 |
| **Central Lighting Control: High School/Middle School: Biz Standard** | | | | | | | | |
| 776-12 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 13471.9 | per 10,000 | 12 |
| **Central Lighting Control: Hospital: Biz Standard** | | | | | | | | |
| 776-6 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 16421.4 | per 10,000 | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Central Lighting Control: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 776-7 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 24158.7 | per 10,000 | 12 |
| **Central Lighting Control: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 776-13 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 2428.1 | per 10,000 | 12 |
| **Central Lighting Control: Light Industry: Biz Standard** | | | | | | | | |
| 776-9 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 18119.8 | per 10,000 | 12 |
| **Central Lighting Control: Miscellaneous: Biz Standard** | | | | | | | | |
| 776-14 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 17319.9 | per 10,000 | 12 |
| **Central Lighting Control: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 776-16 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 18593.8 | per 10,000 | 12 |
| **Central Lighting Control: Office: Biz Standard** | | | | | | | | |
| 776-8 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 14549.9 | per 10,000 | 12 |
| **Central Lighting Control: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 776-18 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 5200.0 | per 10,000 | 12 |
| **Central Lighting Control: Restaurant: Biz Standard** | | | | | | | | |
| 776-3 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 17960.9 | per 10,000 | 12 |
| **Central Lighting Control: Retail/Service: Biz Standard** | | | | | | | | |
| 776-2 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 15793.9 | per 10,000 | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Central Lighting Control: Warehouse: Biz Standard** | | | | | | | | |
| 776-20 | Jan 1, 2016 | | 3700 | per 10,000 | 0.000 | 15771.8 | per 10,000 | 12 |
| **Ceramic Metal Halide 20-100W: College/University: Biz Standard** | | | | | | | | |
| 731-1 | Jan 1, 2016 | | 225 | per measure | 0.121 | 744.3 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Elementary School: Biz Standard** | | | | | | | | |
| 731-10 | Jan 1, 2016 | | 225 | per measure | 0.121 | 293.1 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Exterior: Biz Standard** | | | | | | | | |
| 731-15 | Jan 1, 2016 | | 225 | per measure | 0.121 | 530.0 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 731-19 | Jan 1, 2016 | | 225 | per measure | 0.121 | 1060.0 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Garage: Biz Standard** | | | | | | | | |
| 731-4 | Jan 1, 2016 | | 225 | per measure | 0.121 | 428.3 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Grocery: Biz Standard** | | | | | | | | |
| 731-5 | Jan 1, 2016 | | 225 | per measure | 0.121 | 787.0 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Heavy Industry: Biz Standard** | | | | | | | | |
| 731-11 | Jan 1, 2016 | | 225 | per measure | 0.121 | 743.9 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: High School/Middle School: Biz Standard** | | | | | | | | |
| 731-12 | Jan 1, 2016 | | 225 | per measure | 0.121 | 521.6 | per measure | 16 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Ceramic Metal Halide 20-100W: Hospital: Biz Standard** | | | | | | | | |
| 731-6 | Jan 1, 2016 | | 225 | per measure | 0.121 | 635.8 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 731-7 | Jan 1, 2016 | | 225 | per measure | 0.121 | 935.4 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 731-13 | Jan 1, 2016 | | 225 | per measure | 0.121 | 94.0 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Light Industry: Biz Standard** | | | | | | | | |
| 731-9 | Jan 1, 2016 | | 225 | per measure | 0.121 | 701.6 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Miscellaneous: Biz Standard** | | | | | | | | |
| 731-14 | Jan 1, 2016 | | 225 | per measure | 0.121 | 670.6 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 731-16 | Jan 1, 2016 | | 225 | per measure | 0.121 | 720.0 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Office: Biz Standard** | | | | | | | | |
| 731-8 | Jan 1, 2016 | | 225 | per measure | 0.121 | 563.4 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 731-18 | Jan 1, 2016 | | 225 | per measure | 0.121 | 201.3 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Restaurant: Biz Standard** | | | | | | | | |
| 731-3 | Jan 1, 2016 | | 225 | per measure | 0.121 | 695.4 | per measure | 16 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Ceramic Metal Halide 20-100W: Retail/Service: Biz Standard** | | | | | | | | |
| 731-2 | Jan 1, 2016 | | 225 | per measure | 0.121 | 611.5 | per measure | 16 |
| **Ceramic Metal Halide 20-100W: Warehouse: Biz Standard** | | | | | | | | |
| 731-20 | Jan 1, 2016 | | 225 | per measure | 0.121 | 610.7 | per measure | 16 |
| **CFL Reflector Flood: College/University: Biz Standard** | | | | | | | | |
| 746-1 | Jan 1, 2016 | | 6 | per measure | 0.055 | 338.3 | per measure | 2 |
| **CFL Reflector Flood: Elementary School: Biz Standard** | | | | | | | | |
| 745-10 | Jan 1, 2016 | | 6 | per measure | 0.055 | 133.2 | per measure | 2 |
| **CFL Reflector Flood: Exterior: Biz Standard** | | | | | | | | |
| 745-15 | Jan 1, 2016 | | 6 | per measure | 0.055 | 240.9 | per measure | 2 |
| **CFL Reflector Flood: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 745-19 | Jan 1, 2016 | | 6 | per measure | 0.055 | 481.8 | per measure | 2 |
| **CFL Reflector Flood: Garage: Biz Standard** | | | | | | | | |
| 745-4 | Jan 1, 2016 | | 6 | per measure | 0.055 | 194.7 | per measure | 2 |
| **CFL Reflector Flood: Grocery: Biz Standard** | | | | | | | | |
| 745-5 | Jan 1, 2016 | | 6 | per measure | 0.055 | 357.7 | per measure | 2 |
| **CFL Reflector Flood: Heavy Industry: Biz Standard** | | | | | | | | |
| 745-11 | Jan 1, 2016 | | 6 | per measure | 0.055 | 338.1 | per measure | 2 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **CFL Reflector Flood: High School/Middle School: Biz Standard** | | | | | | | | |
| 745-12 | Jan 1, 2016 | | 6 | per measure | 0.055 | 237.1 | per measure | 2 |
| **CFL Reflector Flood: Hospital: Biz Standard** | | | | | | | | |
| 745-6 | Jan 1, 2016 | | 6 | per measure | 0.055 | 289.0 | per measure | 2 |
| **CFL Reflector Flood: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 745-7 | Jan 1, 2016 | | 6 | per measure | 0.055 | 425.2 | per measure | 2 |
| **CFL Reflector Flood: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 745-13 | Jan 1, 2016 | | 6 | per measure | 0.055 | 42.7 | per measure | 2 |
| **CFL Reflector Flood: Light Industry: Biz Standard** | | | | | | | | |
| 745-9 | Jan 1, 2016 | | 6 | per measure | 0.055 | 318.9 | per measure | 2 |
| **CFL Reflector Flood: Miscellaneous: Biz Standard** | | | | | | | | |
| 745-14 | Jan 1, 2016 | | 6 | per measure | 0.055 | 304.8 | per measure | 2 |
| **CFL Reflector Flood: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 745-16 | Jan 1, 2016 | | 6 | per measure | 0.055 | 327.2 | per measure | 2 |
| **CFL Reflector Flood: Office: Biz Standard** | | | | | | | | |
| 745-8 | Jan 1, 2016 | | 6 | per measure | 0.055 | 256.1 | per measure | 2 |
| **CFL Reflector Flood: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 745-18 | Jan 1, 2016 | | 6 | per measure | 0.055 | 91.5 | per measure | 2 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **CFL Reflector Flood: Restaurant: Biz Standard** | | | | | | | | |
| 745-3 | Jan 1, 2016 | | 6 | per measure | 0.055 | 316.1 | per measure | 2 |
| **CFL Reflector Flood: Retail/Service: Biz Standard** | | | | | | | | |
| 745-2 | Jan 1, 2016 | | 6 | per measure | 0.055 | 278.0 | per measure | 2 |
| **CFL Reflector Flood: Warehouse: Biz Standard** | | | | | | | | |
| 745-20 | Jan 1, 2016 | | 6 | per measure | 0.055 | 277.6 | per measure | 2 |
| **CFL Screw high wattage: College/University: Biz Standard** | | | | | | | | |
| 749-1 | Jan 1, 2016 | | 15 | per measure | 0.120 | 830.4 | per measure | 2 |
| **CFL Screw high wattage: Elementary School: Biz Standard** | | | | | | | | |
| 749-10 | Jan 1, 2016 | | 15 | per measure | 0.120 | 327.0 | per measure | 2 |
| **CFL Screw high wattage: Exterior: Biz Standard** | | | | | | | | |
| 749-15 | Jan 1, 2016 | | 15 | per measure | 0.120 | 591.3 | per measure | 2 |
| **CFL Screw high wattage: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 749-19 | Jan 1, 2016 | | 15 | per measure | 0.120 | 1182.6 | per measure | 2 |
| **CFL Screw high wattage: Garage: Biz Standard** | | | | | | | | |
| 749-4 | Jan 1, 2016 | | 15 | per measure | 0.120 | 477.9 | per measure | 2 |
| **CFL Screw high wattage: Grocery: Biz Standard** | | | | | | | | |
| 749-5 | Jan 1, 2016 | | 15 | per measure | 0.120 | 878.1 | per measure | 2 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **CFL Screw high wattage: Heavy Industry: Biz Standard** | | | | | | | | |
| 749-11 | Jan 1, 2016 | | 15 | per measure | 0.120 | 830.0 | per measure | 2 |
| **CFL Screw high wattage: High School/Middle School: Biz Standard** | | | | | | | | |
| 749-12 | Jan 1, 2016 | | 15 | per measure | 0.120 | 582.0 | per measure | 2 |
| **CFL Screw high wattage: Hospital: Biz Standard** | | | | | | | | |
| 749-6 | Jan 1, 2016 | | 15 | per measure | 0.120 | 709.4 | per measure | 2 |
| **CFL Screw high wattage: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 749-7 | Jan 1, 2016 | | 15 | per measure | 0.120 | 1043.7 | per measure | 2 |
| **CFL Screw high wattage: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 749-13 | Jan 1, 2016 | | 15 | per measure | 0.120 | 104.9 | per measure | 2 |
| **CFL Screw high wattage: Light Industry: Biz Standard** | | | | | | | | |
| 749-9 | Jan 1, 2016 | | 15 | per measure | 0.120 | 782.8 | per measure | 2 |
| **CFL Screw high wattage: Miscellaneous: Biz Standard** | | | | | | | | |
| 749-14 | Jan 1, 2016 | | 15 | per measure | 0.120 | 748.2 | per measure | 2 |
| **CFL Screw high wattage: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 749-16 | Jan 1, 2016 | | 15 | per measure | 0.120 | 803.3 | per measure | 2 |
| **CFL Screw high wattage: Office: Biz Standard** | | | | | | | | |
| 749-8 | Jan 1, 2016 | | 15 | per measure | 0.120 | 628.6 | per measure | 2 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **CFL Screw high wattage: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 749-18 | Jan 1, 2016 | | 15 | per measure | 0.120 | 224.6 | per measure | 2 |
| **CFL Screw high wattage: Restaurant: Biz Standard** | | | | | | | | |
| 749-3 | Jan 1, 2016 | | 15 | per measure | 0.120 | 775.9 | per measure | 2 |
| **CFL Screw high wattage: Retail/Service: Biz Standard** | | | | | | | | |
| 749-2 | Jan 1, 2016 | | 15 | per measure | 0.120 | 682.3 | per measure | 2 |
| **CFL Screw high wattage: Warehouse: Biz Standard** | | | | | | | | |
| 749-20 | Jan 1, 2016 | | 15 | per measure | 0.120 | 681.3 | per measure | 2 |
| **CHW reset 10 deg: Biz Standard** | | | | | | | | |
| 691 | Jan 2, 2013 | | 0.8 | per ton | 0.006 | 89.0 | per ton | 5 |
| **CHW reset 5 deg: Biz Standard** | | | | | | | | |
| 692 | Jan 2, 2013 | | 0.8 | per ton | 0.006 | 74.0 | per ton | 5 |
| **Compressed Air Optimization: Biz Standard** | | | | | | | | |
| 674 | Jan 2, 2013 | | 16 | per measure | 0.026 | 200.0 | per measure | 10 |
| **Daylight Sensor controls: College/University: Biz Standard** | | | | | | | | |
| 773-1 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 23990.6 | per 10,000 | 12 |
| **Daylight Sensor controls: Elementary School: Biz Standard** | | | | | | | | |
| 773-10 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 9445.8 | per 10,000 | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Daylight Sensor controls: Exterior: Biz Standard** | | | | | | | | |
| 773-15 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 17082.0 | per 10,000 | 12 |
| **Daylight Sensor controls: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 773-19 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 34164.0 | per 10,000 | 12 |
| **Daylight Sensor controls: Garage: Biz Standard** | | | | | | | | |
| 773-4 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 13806.0 | per 10,000 | 12 |
| **Daylight Sensor controls: Grocery: Biz Standard** | | | | | | | | |
| 773-5 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 25366.2 | per 10,000 | 12 |
| **Daylight Sensor controls: Heavy Industry: Biz Standard** | | | | | | | | |
| 773-11 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 23977.1 | per 10,000 | 12 |
| **Daylight Sensor controls: High School/Middle School: Biz Standard** | | | | | | | | |
| 773-12 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 16812.9 | per 10,000 | 12 |
| **Daylight Sensor controls: Hospital: Biz Standard** | | | | | | | | |
| 773-6 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 20493.8 | per 10,000 | 12 |
| **Daylight Sensor controls: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 773-7 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 30150.1 | per 10,000 | 12 |
| **Daylight Sensor controls: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 773-13 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 3030.3 | per 10,000 | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Daylight Sensor controls: Light Industry: Biz Standard** | | | | | | | | |
| 773-9 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 22613.5 | per 10,000 | 12 |
| **Daylight Sensor controls: Miscellaneous: Biz Standard** | | | | | | | | |
| 773-14 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 21615.2 | per 10,000 | 12 |
| **Daylight Sensor controls: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 773-16 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 23205.0 | per 10,000 | 12 |
| **Daylight Sensor controls: Office: Biz Standard** | | | | | | | | |
| 773-8 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 18158.3 | per 10,000 | 12 |
| **Daylight Sensor controls: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 773-18 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 6489.6 | per 10,000 | 12 |
| **Daylight Sensor controls: Restaurant: Biz Standard** | | | | | | | | |
| 773-3 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 22415.2 | per 10,000 | 12 |
| **Daylight Sensor controls: Retail/Service: Biz Standard** | | | | | | | | |
| 773-2 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 19710.7 | per 10,000 | 12 |
| **Daylight Sensor controls: Warehouse: Biz Standard** | | | | | | | | |
| 773-20 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 19683.2 | per 10,000 | 12 |
| **Dual Technology Sensors (more than 150 Watts): College/University: Biz Standard** | | | | | | | | |
| 784-1 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Dual Technology Sensors (more than 150 Watts): Elementary School: Biz Standard** | | | | | | | | |
| 784-10 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Exterior: Biz Standard** | | | | | | | | |
| 784-15 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 784-19 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Garage: Biz Standard** | | | | | | | | |
| 784-4 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Grocery: Biz Standard** | | | | | | | | |
| 784-5 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Heavy Industry: Biz Standard** | | | | | | | | |
| 784-11 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): High School/Middle School: Biz Standard** | | | | | | | | |
| 784-12 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Hospital: Biz Standard** | | | | | | | | |
| 784-6 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 784-7 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Dual Technology Sensors (more than 150 Watts): Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 784-13 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Light Industry: Biz Standard** | | | | | | | | |
| 784-9 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Miscellaneous: Biz Standard** | | | | | | | | |
| 784-14 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 784-16 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Office: Biz Standard** | | | | | | | | |
| 784-8 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Religious Worship/Church: Biz Standard** | | | | | | | | |
| 784-18 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Restaurant: Biz Standard** | | | | | | | | |
| 784-3 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Retail/Service: Biz Standard** | | | | | | | | |
| 784-2 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |
| **Dual Technology Sensors (more than 150 Watts): Warehouse: Biz Standard** | | | | | | | | |
| 784-20 | Jan 2, 2013 | | 128 | per measure | 0.034 | 770.4 | per measure | 8 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **ECM Cooler and Freezer Motors - ECM replacing PSC: Biz Standard** | | | | | | | | |
| 816 | Jan 2, 2013 | | 114 | per measure | 0.062 | 544.0 | per measure | 15 |
| **ECM Cooler and Freezer Motors - ECM replacing SP: Biz Standard** | | | | | | | | |
| 817 | Jan 2, 2013 | | 114 | per measure | 0.062 | 544.0 | per measure | 15 |
| **Efficient Refrigeration Condenser : Biz Standard** | | | | | | | | |
| 825 | Jan 2, 2013 | | 35 | per ton | 0.118 | 120.0 | per ton | 15 |
| **EMS: Biz Standard** | | | | | | | | |
| 693 | Jan 2, 2013 | | 0.32 | per square | 0.000 | 0.8 | per square | 15 |
| **ENERGY STAR Commercial Glass Door Freezers 15 to 30 ft3: Biz Standard** | | | | | | | | |
| 827 | Jan 2, 2013 | | 950 | per measure | 0.229 | 2004.0 | per measure | 12 |
| **ENERGY STAR Commercial Glass Door Freezers 30 to 50ft3: Biz Standard** | | | | | | | | |
| 828 | Jan 2, 2013 | | 1307 | per measure | 0.442 | 2869.0 | per measure | 12 |
| **ENERGY STAR Commercial Glass Door Freezers less than 15ft3: Biz Standard** | | | | | | | | |
| 826 | Jan 2, 2013 | | 220 | per measure | 0.193 | 1693.0 | per measure | 12 |
| **ENERGY STAR Commercial Glass Door Freezers more than 50ft3: Biz Standard** | | | | | | | | |
| 829 | Jan 2, 2013 | | 2300 | per measure | 0.813 | 7118.0 | per measure | 12 |
| **ENERGY STAR Commercial Glass Door Refrigerators 15 to 30 ft3: Biz Standard** | | | | | | | | |
| 843 | Jan 1, 2016 | | 500 | per measure | 0.442 | 3869 | per measure | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **ENERGY STAR Commercial Glass Door Refrigerators less than 15ft3: Biz Standard** | | | | | | | | |
| 842 | Jan 1, 2016 | | 250 | per measure | 0.164 | 1799.7 | per measure | 12 |
| **ENERGY STAR Commercial Solid Door Freezers 15 to 30 ft3: Biz Standard** | | | | | | | | |
| 831 | Jan 2, 2013 | | 400 | per measure | 0.099 | 869.0 | per measure | 12 |
| **ENERGY STAR Commercial Solid Door Freezers 30 to 50ft3: Biz Standard** | | | | | | | | |
| 832 | Jan 2, 2013 | | 550 | per measure | 0.197 | 1728.0 | per measure | 12 |
| **ENERGY STAR Commercial Solid Door Freezers less than 15ft3: Biz Standard** | | | | | | | | |
| 830 | Jan 2, 2013 | | 150 | per measure | 0.068 | 595.0 | per measure | 12 |
| **ENERGY STAR Commercial Solid Door Freezers more than 50ft3: Biz Standard** | | | | | | | | |
| 833 | Jan 2, 2013 | | 700 | per measure | 0.429 | 3757.0 | per measure | 12 |
| **ENERGY STAR Hot Holding Cabinets Full Size - Electric: Biz Standard** | | | | | | | | |
| 679 | Jan 2, 2013 | | 1783 | per measure | 0.960 | 5278.0 | per measure | 12 |
| **ENERGY STAR Hot Holding Cabinets Half Size - Electric: Biz Standard** | | | | | | | | |
| 1094 | Jan 2, 2013 | | 1783 | per measure | 0.330 | 1788.0 | per measure | 12 |
| **ENERGY STAR Hot Holding Cabinets Three-Quarter Size - Electric: Biz Standard** | | | | | | | | |
| 1093 | Jan 2, 2013 | | 1783 | per measure | 0.520 | 2832.0 | per measure | 12 |
| **ENERGY STAR Ice Machines 500 to 1000 lbs: Biz Standard** | | | | | | | | |
| 835 | Jan 1, 2016 | | 1500 | per measure | 0.308 | 3382.3 | per measure | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **ENERGY STAR Ice Machines less than 500 lbs: Biz Standard** | | | | | | | | |
| 834 | Jan 1, 2016 | | 600 | per measure | 0.189 | 2073.3 | per measure | 12 |
| **ENERGY STAR Ice Machines more than 1000 lbs: Biz Standard** | | | | | | | | |
| 836 | Jan 1, 2016 | | 2000 | per measure | 0.690 | 7590.4 | per measure | 12 |
| **ENERGY STAR Steam Cookers 3 Pan - Electric: Biz Standard** | | | | | | | | |
| 675 | Jan 2, 2013 | | 4150 | per measure | 2.550 | 11188.0 | per measure | 12 |
| **ENERGY STAR Steam Cookers 4 Pan - Electric: Biz Standard** | | | | | | | | |
| 676 | Jan 2, 2013 | | 4150 | per measure | 2.850 | 12159.0 | per measure | 12 |
| **ENERGY STAR Steam Cookers 5 Pan - Electric: Biz Standard** | | | | | | | | |
| 677 | Jan 2, 2013 | | 4150 | per measure | 3.160 | 13139.0 | per measure | 12 |
| **ENERGY STAR Steam Cookers 6 Pan - Electric: Biz Standard** | | | | | | | | |
| 678 | Jan 2, 2013 | | 4150 | per measure | 3.460 | 15170.0 | per measure | 12 |
| **ENERGY STAR Vending Machine: Biz Standard** | | | | | | | | |
| 846 | Jan 1, 2016 | | 140 | per measure | 0.1022 | 1003.35 | per measure | 10 |
| **Garage HID replacement above 175W to 250W HID retrofit: College/University: Biz Standard** | | | | | | | | |
| 738-1 | Jan 1, 2016 | | 500 | per measure | 0.107 | 658.2 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Elementary School: Biz Standard** | | | | | | | | |
| 738-10 | Jan 1, 2016 | | 500 | per measure | 0.107 | 259.2 | per measure | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Garage HID replacement above 175W to 250W HID retrofit: Exterior: Biz Standard** | | | | | | | | |
| 738-15 | Jan 1, 2016 | | 500 | per measure | 0.107 | 468.7 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 738-19 | Jan 1, 2016 | | 500 | per measure | 0.107 | 937.3 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Garage: Biz Standard** | | | | | | | | |
| 738-4 | Jan 1, 2016 | | 500 | per measure | 0.107 | 378.8 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Grocery: Biz Standard** | | | | | | | | |
| 738-5 | Jan 1, 2016 | | 500 | per measure | 0.107 | 695.9 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Heavy Industry: Biz Standard** | | | | | | | | |
| 738-11 | Jan 1, 2016 | | 500 | per measure | 0.107 | 657.8 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: High School/Middle School: Biz Standard** | | | | | | | | |
| 738-12 | Jan 1, 2016 | | 500 | per measure | 0.107 | 461.3 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Hospital: Biz Standard** | | | | | | | | |
| 738-6 | Jan 1, 2016 | | 500 | per measure | 0.107 | 562.3 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 738-7 | Jan 1, 2016 | | 500 | per measure | 0.107 | 827.2 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 738-13 | Jan 1, 2016 | | 500 | per measure | 0.107 | 83.1 | per measure | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Garage HID replacement above 175W to 250W HID retrofit: Light Industry: Biz Standard** | | | | | | | | |
| 738-9 | Jan 1, 2016 | | 500 | per measure | 0.107 | 620.4 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Miscellaneous: Biz Standard** | | | | | | | | |
| 738-14 | Jan 1, 2016 | | 500 | per measure | 0.107 | 593.0 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 738-16 | Jan 1, 2016 | | 500 | per measure | 0.107 | 636.6 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Office: Biz Standard** | | | | | | | | |
| 738-8 | Jan 1, 2016 | | 500 | per measure | 0.107 | 498.2 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 738-18 | Jan 1, 2016 | | 500 | per measure | 0.107 | 178.0 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Restaurant: Biz Standard** | | | | | | | | |
| 738-3 | Jan 1, 2016 | | 500 | per measure | 0.107 | 615.0 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Retail/Service: Biz Standard** | | | | | | | | |
| 738-2 | Jan 1, 2016 | | 500 | per measure | 0.107 | 540.8 | per measure | 12 |
| **Garage HID replacement above 175W to 250W HID retrofit: Warehouse: Biz Standard** | | | | | | | | |
| 738-20 | Jan 1, 2016 | | 500 | per measure | 0.107 | 540.0 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: College/University: Biz Standard** | | | | | | | | |
| 739-1 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1895.2 | per measure | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Garage HID replacement above 250W to 400W HID retrofit: Elementary School: Biz Standard** | | | | | | | | |
| 739-10 | Jan 1, 2016 | | 800 | per measure | 0.308 | 746.2 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Exterior: Biz Standard** | | | | | | | | |
| 739-15 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1349.4 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 739-19 | Jan 1, 2016 | | 800 | per measure | 0.308 | 2698.9 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Garage: Biz Standard** | | | | | | | | |
| 739-4 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1090.6 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Grocery: Biz Standard** | | | | | | | | |
| 739-5 | Jan 1, 2016 | | 800 | per measure | 0.308 | 2003.9 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Heavy Industry: Biz Standard** | | | | | | | | |
| 739-11 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1894.1 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: High School/Middle School: Biz Standard** | | | | | | | | |
| 739-12 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1328.2 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Hospital: Biz Standard** | | | | | | | | |
| 739-6 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1619.0 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 739-7 | Jan 1, 2016 | | 800 | per measure | 0.308 | 2381.8 | per measure | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Garage HID replacement above 250W to 400W HID retrofit: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 739-13 | Jan 1, 2016 | | 800 | per measure | 0.308 | 239.4 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Light Industry: Biz Standard** | | | | | | | | |
| 739-9 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1786.4 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Miscellaneous: Biz Standard** | | | | | | | | |
| 739-14 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1707.6 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 739-16 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1833.2 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Office: Biz Standard** | | | | | | | | |
| 739-8 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1434.5 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 739-18 | Jan 1, 2016 | | 800 | per measure | 0.308 | 512.7 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Restaurant: Biz Standard** | | | | | | | | |
| 739-3 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1770.8 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Retail/Service: Biz Standard** | | | | | | | | |
| 739-2 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1557.1 | per measure | 12 |
| **Garage HID replacement above 250W to 400W HID retrofit: Warehouse: Biz Standard** | | | | | | | | |
| 739-20 | Jan 1, 2016 | | 800 | per measure | 0.308 | 1554.9 | per measure | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **GSHP under 135,000 17EER: Biz Standard** | | | | | | | | |
| 686 | Jan 2, 2013 | | 180 | per ton | 0.114 | 240.0 | per ton | 15 |
| **GSHP under 135,000 19EER: Biz Standard** | | | | | | | | |
| 687 | Jan 2, 2013 | | 180 | per ton | 0.147 | 305.0 | per ton | 15 |
| **GU-24 pin based CFL_NCx: College/University: Biz Standard** | | | | | | | | |
| 742-1 | Jan 1, 2016 | | 11 | per measure | 0.079 | 486.0 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Elementary School: Biz Standard** | | | | | | | | |
| 742-10 | Jan 1, 2016 | | 11 | per measure | 0.079 | 191.3 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Exterior: Biz Standard** | | | | | | | | |
| 742-15 | Jan 1, 2016 | | 11 | per measure | 0.079 | 346.0 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 742-19 | Jan 1, 2016 | | 11 | per measure | 0.079 | 692.0 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Garage: Biz Standard** | | | | | | | | |
| 742-4 | Jan 1, 2016 | | 11 | per measure | 0.079 | 279.7 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Grocery: Biz Standard** | | | | | | | | |
| 742-5 | Jan 1, 2016 | | 11 | per measure | 0.079 | 513.8 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Heavy Industry: Biz Standard** | | | | | | | | |
| 742-11 | Jan 1, 2016 | | 11 | per measure | 0.079 | 485.7 | per measure | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **GU-24 pin based CFL_NCx: High School/Middle School: Biz Standard** | | | | | | | | |
| 742-12 | Jan 1, 2016 | | 11 | per measure | 0.079 | 340.6 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Hospital: Biz Standard** | | | | | | | | |
| 742-6 | Jan 1, 2016 | | 11 | per measure | 0.079 | 415.1 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 742-7 | Jan 1, 2016 | | 11 | per measure | 0.079 | 610.7 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 742-13 | Jan 1, 2016 | | 11 | per measure | 0.079 | 61.4 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Light Industry: Biz Standard** | | | | | | | | |
| 742-9 | Jan 1, 2016 | | 11 | per measure | 0.079 | 458.1 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Miscellaneous: Biz Standard** | | | | | | | | |
| 742-14 | Jan 1, 2016 | | 11 | per measure | 0.079 | 437.8 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 742-16 | Jan 1, 2016 | | 11 | per measure | 0.079 | 470.0 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Office: Biz Standard** | | | | | | | | |
| 742-8 | Jan 1, 2016 | | 11 | per measure | 0.079 | 367.8 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 742-18 | Jan 1, 2016 | | 11 | per measure | 0.079 | 131.5 | per measure | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **GU-24 pin based CFL_NCx: Restaurant: Biz Standard** | | | | | | | | |
| 742-3 | Jan 1, 2016 | | 11 | per measure | 0.079 | 454.1 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Retail/Service: Biz Standard** | | | | | | | | |
| 742-2 | Jan 1, 2016 | | 11 | per measure | 0.079 | 399.3 | per measure | 12 |
| **GU-24 pin based CFL_NCx: Warehouse: Biz Standard** | | | | | | | | |
| 742-20 | Jan 1, 2016 | | 11 | per measure | 0.079 | 398.7 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: College/University: Biz Standard** | | | | | | | | |
| 743-1 | Jan 1, 2016 | | 11 | per measure | 0.079 | 486.0 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Elementary School: Biz Standard** | | | | | | | | |
| 743-10 | Jan 1, 2016 | | 11 | per measure | 0.079 | 191.3 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Exterior: Biz Standard** | | | | | | | | |
| 743-15 | Jan 1, 2016 | | 11 | per measure | 0.079 | 346.0 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 743-19 | Jan 1, 2016 | | 11 | per measure | 0.079 | 692.0 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Garage: Biz Standard** | | | | | | | | |
| 743-4 | Jan 1, 2016 | | 11 | per measure | 0.079 | 279.7 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Grocery: Biz Standard** | | | | | | | | |
| 743-5 | Jan 1, 2016 | | 11 | per measure | 0.079 | 513.8 | per measure | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **GU-24 pin-based CFL - 30W: Heavy Industry: Biz Standard** | | | | | | | | |
| 743-11 | Jan 1, 2016 | | 11 | per measure | 0.079 | 485.7 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: High School/Middle School: Biz Standard** | | | | | | | | |
| 743-12 | Jan 1, 2016 | | 11 | per measure | 0.079 | 340.6 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Hospital: Biz Standard** | | | | | | | | |
| 743-6 | Jan 1, 2016 | | 11 | per measure | 0.079 | 415.1 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 743-7 | Jan 1, 2016 | | 11 | per measure | 0.079 | 610.7 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 743-13 | Jan 1, 2016 | | 11 | per measure | 0.079 | 61.4 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Light Industry: Biz Standard** | | | | | | | | |
| 743-9 | Jan 1, 2016 | | 11 | per measure | 0.079 | 458.1 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Miscellaneous: Biz Standard** | | | | | | | | |
| 743-14 | Jan 1, 2016 | | 11 | per measure | 0.079 | 437.8 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 743-16 | Jan 1, 2016 | | 11 | per measure | 0.079 | 470.0 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Office: Biz Standard** | | | | | | | | |
| 743-8 | Jan 1, 2016 | | 11 | per measure | 0.079 | 367.8 | per measure | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **GU-24 pin-based CFL - 30W: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 743-18 | Jan 1, 2016 | | 11 | per measure | 0.079 | 131.5 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Restaurant: Biz Standard** | | | | | | | | |
| 743-3 | Jan 1, 2016 | | 11 | per measure | 0.079 | 454.1 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Retail/Service: Biz Standard** | | | | | | | | |
| 743-2 | Jan 1, 2016 | | 11 | per measure | 0.079 | 399.3 | per measure | 12 |
| **GU-24 pin-based CFL - 30W: Warehouse: Biz Standard** | | | | | | | | |
| 743-20 | Jan 1, 2016 | | 11 | per measure | 0.079 | 398.7 | per measure | 12 |
| **Guest Room Energy Management, Electric Heating: Biz Standard** | | | | | | | | |
| 695 | Jan 2, 2013 | | 600 | per room | 0.088 | 1112.0 | per room | 9 |
| **High Bay 3L T5HO Replacing 250W HID: College/University: Biz Standard** | | | | | | | | |
| 757-1 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 713.6 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Elementary School: Biz Standard** | | | | | | | | |
| 757-10 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 281.0 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Exterior: Biz Standard** | | | | | | | | |
| 757-15 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 508.1 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 757-19 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 1016.2 | per fixture | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay 3L T5HO Replacing 250W HID: Garage: Biz Standard** | | | | | | | | |
| 757-4 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 410.6 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Grocery: Biz Standard** | | | | | | | | |
| 757-5 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 754.5 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Heavy Industry: Biz Standard** | | | | | | | | |
| 757-11 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 713.2 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: High School/Middle School: Biz Standard** | | | | | | | | |
| 757-12 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 500.1 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Hospital: Biz Standard** | | | | | | | | |
| 757-6 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 609.6 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 757-7 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 896.8 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 757-13 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 90.1 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Light Industry: Biz Standard** | | | | | | | | |
| 757-9 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 672.6 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Miscellaneous: Biz Standard** | | | | | | | | |
| 757-14 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 642.9 | per fixture | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay 3L T5HO Replacing 250W HID: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 757-16 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 690.2 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Office: Biz Standard** | | | | | | | | |
| 757-8 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 540.1 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 757-18 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 193.0 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Restaurant: Biz Standard** | | | | | | | | |
| 757-3 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 666.7 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Retail/Service: Biz Standard** | | | | | | | | |
| 757-2 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 586.3 | per fixture | 12 |
| **High Bay 3L T5HO Replacing 250W HID: Warehouse: Biz Standard** | | | | | | | | |
| 757-20 | Jan 1, 2016 | | 180 | per fixture | 0.116 | 585.4 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: College/University: Biz Standard** | | | | | | | | |
| 758-1 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 2153.0 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Elementary School: Biz Standard** | | | | | | | | |
| 758-10 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 847.7 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Exterior: Biz Standard** | | | | | | | | |
| 758-15 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 1533.0 | per fixture | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay 6L T5HO Double fixture replace 1000W HID: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 758-19 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 3066.0 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Garage: Biz Standard** | | | | | | | | |
| 758-4 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 1239.0 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Grocery: Biz Standard** | | | | | | | | |
| 758-5 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 2276.5 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Heavy Industry: Biz Standard** | | | | | | | | |
| 758-11 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 2151.8 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: High School/Middle School: Biz Standard** | | | | | | | | |
| 758-12 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 1508.8 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Hospital: Biz Standard** | | | | | | | | |
| 758-6 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 1839.2 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 758-7 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 2705.8 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 758-13 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 272.0 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Light Industry: Biz Standard** | | | | | | | | |
| 758-9 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 2029.4 | per fixture | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay 6L T5HO Double fixture replace 1000W HID: Miscellaneous: Biz Standard** | | | | | | | | |
| 758-14 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 1939.8 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 758-16 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 2082.5 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Office: Biz Standard** | | | | | | | | |
| 758-8 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 1629.6 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 758-18 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 582.4 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Restaurant: Biz Standard** | | | | | | | | |
| 758-3 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 2011.6 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Retail/Service: Biz Standard** | | | | | | | | |
| 758-2 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 1768.9 | per fixture | 12 |
| **High Bay 6L T5HO Double fixture replace 1000W HID: Warehouse: Biz Standard** | | | | | | | | |
| 758-20 | Jan 1, 2016 | | 700 | per fixture | 0.350 | 1766.4 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: College/University: Biz Standard** | | | | | | | | |
| 759-1 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 1183.5 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Elementary School: Biz Standard** | | | | | | | | |
| 759-10 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 466.0 | per fixture | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Exterior: Biz Standard** | | | | | | | | |
| 759-15 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 842.7 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 759-19 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 1685.3 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Garage: Biz Standard** | | | | | | | | |
| 759-4 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 681.1 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Grocery: Biz Standard** | | | | | | | | |
| 759-5 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 1251.3 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Heavy Industry: Biz Standard** | | | | | | | | |
| 759-11 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 1182.8 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: High School/Middle School: Biz Standard** | | | | | | | | |
| 759-12 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 829.4 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Hospital: Biz Standard** | | | | | | | | |
| 759-6 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 1011.0 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 759-7 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 1487.3 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 759-13 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 149.5 | per fixture | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Light Industry: Biz Standard** | | | | | | | | |
| 759-9 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 1115.5 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Miscellaneous: Biz Standard** | | | | | | | | |
| 759-14 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 1066.3 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 759-16 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 1144.7 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Office: Biz Standard** | | | | | | | | |
| 759-8 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 895.8 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 759-18 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 320.1 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Restaurant: Biz Standard** | | | | | | | | |
| 759-3 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 1105.8 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Retail/Service: Biz Standard** | | | | | | | | |
| 759-2 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 972.3 | per fixture | 12 |
| **High Bay Fluorescent 4LF32T8 Replacing 250W HID: Warehouse: Biz Standard** | | | | | | | | |
| 759-20 | Jan 1, 2016 | | 160 | per fixture | 0.192 | 971.0 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: College/University: Biz Standard** | | | | | | | | |
| 760-1 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1518.3 | per fixture | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Elementary School: Biz Standard** | | | | | | | | |
| 760-10 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 597.8 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Exterior: Biz Standard** | | | | | | | | |
| 760-15 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1081.1 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 760-19 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 2162.2 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Garage: Biz Standard** | | | | | | | | |
| 760-4 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 873.8 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Grocery: Biz Standard** | | | | | | | | |
| 760-5 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1605.4 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Heavy Industry: Biz Standard** | | | | | | | | |
| 760-11 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1517.5 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: High School/Middle School: Biz Standard** | | | | | | | | |
| 760-12 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1064.1 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Hospital: Biz Standard** | | | | | | | | |
| 760-6 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1297.0 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 760-7 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1908.1 | per fixture | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 760-13 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 191.8 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Light Industry: Biz Standard** | | | | | | | | |
| 760-9 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1431.2 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Miscellaneous: Biz Standard** | | | | | | | | |
| 760-14 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1368.0 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 760-16 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1468.6 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Office: Biz Standard** | | | | | | | | |
| 760-8 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1149.2 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 760-18 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 410.7 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Restaurant: Biz Standard** | | | | | | | | |
| 760-3 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1418.6 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Retail/Service: Biz Standard** | | | | | | | | |
| 760-2 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1247.4 | per fixture | 12 |
| **High Bay Fluorescent 6LF32T8 Replacing 400W HID: Warehouse: Biz Standard** | | | | | | | | |
| 760-20 | Jan 1, 2016 | | 160 | per fixture | 0.247 | 1245.7 | per fixture | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: College/University: Biz Standard** | | | | | | | | |
| 761-1 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 2965.0 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Elementary School: Biz Standard** | | | | | | | | |
| 761-10 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 1167.4 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Exterior: Biz Standard** | | | | | | | | |
| 761-15 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 2111.2 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 761-19 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 4222.3 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Garage: Biz Standard** | | | | | | | | |
| 761-4 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 1706.3 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Grocery: Biz Standard** | | | | | | | | |
| 761-5 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 3135.0 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Heavy Industry: Biz Standard** | | | | | | | | |
| 761-11 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 2963.3 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: High School/Middle School: Biz Standard** | | | | | | | | |
| 761-12 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 2077.9 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Hospital: Biz Standard** | | | | | | | | |
| 761-6 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 2532.8 | per fixture | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 761-7 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 3726.2 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 761-13 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 374.5 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Light Industry: Biz Standard** | | | | | | | | |
| 761-9 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 2794.8 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Miscellaneous: Biz Standard** | | | | | | | | |
| 761-14 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 2671.4 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 761-16 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 2867.9 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Office: Biz Standard** | | | | | | | | |
| 761-8 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 2244.2 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 761-18 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 802.0 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Restaurant: Biz Standard** | | | | | | | | |
| 761-3 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 2770.3 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Retail/Service: Biz Standard** | | | | | | | | |
| 761-2 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 2436.0 | per fixture | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay Fluorescent 8LF32T8 Double fixture replace 1000W HID: Warehouse: Biz Standard** | | | | | | | | |
| 761-20 | Jan 1, 2016 | | 400 | per fixture | 0.482 | 2432.6 | per fixture | 12 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: College/University: Biz Standard** | | | | | | | | |
| 762-1 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 1028.9 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Elementary School: Biz Standard** | | | | | | | | |
| 762-10 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 405.1 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Exterior: Biz Standard** | | | | | | | | |
| 762-15 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 732.6 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 762-19 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 1465.2 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Garage: Biz Standard** | | | | | | | | |
| 762-4 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 592.1 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Grocery: Biz Standard** | | | | | | | | |
| 762-5 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 1087.9 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Heavy Industry: Biz Standard** | | | | | | | | |
| 762-11 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 1028.3 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: High School/Middle School: Biz Standard** | | | | | | | | |
| 762-12 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 721.1 | per fixture | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Hospital: Biz Standard** | | | | | | | | |
| 762-6 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 878.9 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 762-7 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 1293.1 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 762-13 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 130.0 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Light Industry: Biz Standard** | | | | | | | | |
| 762-9 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 969.8 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Miscellaneous: Biz Standard** | | | | | | | | |
| 762-14 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 927.0 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 762-16 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 995.2 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Office: Biz Standard** | | | | | | | | |
| 762-8 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 778.8 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 762-18 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 278.3 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Restaurant: Biz Standard** | | | | | | | | |
| 762-3 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 961.3 | per fixture | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Retail/Service: Biz Standard** | | | | | | | | |
| 762-2 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 845.4 | per fixture | 11 |
| **High Bay Fluorescent 8LF32T8 Replacing 400W HID: Warehouse: Biz Standard** | | | | | | | | |
| 762-20 | Jan 1, 2016 | | 414 | per fixture | 0.167 | 844.2 | per fixture | 11 |
| **HP 135,000 - 240,000: Biz Standard** | | | | | | | | |
| 683 | Jan 2, 2013 | | 125 | per ton | 0.095 | 143.0 | per ton | 15 |
| **HP over 240,000: Biz Standard** | | | | | | | | |
| 684 | Jan 2, 2013 | | 130 | per ton | 0.130 | 175.0 | per ton | 15 |
| **HP under 65,000 1 Ph: Biz Standard** | | | | | | | | |
| 685 | Jan 2, 2013 | | 73.5 | per ton | 0.079 | 114.0 | per ton | 15 |
| **HP Water Heater 100 to 300 MBH: Biz Standard** | | | | | | | | |
| 851 | Jan 2, 2013 | | 25000 | per measure | 28.000 | 141041.0 | per measure | 15 |
| **HP Water Heater 10 to 50 MBH: Biz Standard** | | | | | | | | |
| 850 | Jan 2, 2013 | | 6000 | per measure | 4.200 | 21156.0 | per measure | 15 |
| **HP Water Heater 300 to 500 MBH: Biz Standard** | | | | | | | | |
| 852 | Jan 2, 2013 | | 42000 | per measure | 56.000 | 282081.0 | per measure | 15 |
| **HP Water Heater 50 to 100 MBH: Biz Standard** | | | | | | | | |
| 853 | Jan 2, 2013 | | 14000 | per measure | 10.500 | 52890.0 | per measure | 15 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **HP Water Heater above 500 MBH: Biz Standard** | | | | | | | | |
| 854 | Jan 2, 2013 | | 63000 | per measure | 84.000 | 423122.0 | per measure | 15 |
| **Interior CF 1L 26W Quad: College/University: Biz Standard** | | | | | | | | |
| 740-1 | Jan 1, 2016 | | 92 | per measure | 0.143 | 879.7 | per measure | 11 |
| **Interior CF 1L 26W Quad: Elementary School: Biz Standard** | | | | | | | | |
| 740-10 | Jan 1, 2016 | | 92 | per measure | 0.143 | 346.3 | per measure | 11 |
| **Interior CF 1L 26W Quad: Exterior: Biz Standard** | | | | | | | | |
| 740-15 | Jan 1, 2016 | | 92 | per measure | 0.143 | 626.3 | per measure | 11 |
| **Interior CF 1L 26W Quad: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 740-19 | Jan 1, 2016 | | 92 | per measure | 0.143 | 1252.7 | per measure | 11 |
| **Interior CF 1L 26W Quad: Garage: Biz Standard** | | | | | | | | |
| 740-4 | Jan 1, 2016 | | 92 | per measure | 0.143 | 506.2 | per measure | 11 |
| **Interior CF 1L 26W Quad: Grocery: Biz Standard** | | | | | | | | |
| 740-5 | Jan 1, 2016 | | 92 | per measure | 0.143 | 930.1 | per measure | 11 |
| **Interior CF 1L 26W Quad: Heavy Industry: Biz Standard** | | | | | | | | |
| 740-11 | Jan 1, 2016 | | 92 | per measure | 0.143 | 879.2 | per measure | 11 |
| **Interior CF 1L 26W Quad: High School/Middle School: Biz Standard** | | | | | | | | |
| 740-12 | Jan 1, 2016 | | 92 | per measure | 0.143 | 616.5 | per measure | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Interior CF 1L 26W Quad: Hospital: Biz Standard** | | | | | | | | |
| 740-6 | Jan 1, 2016 | | 92 | per measure | 0.143 | 751.4 | per measure | 11 |
| **Interior CF 1L 26W Quad: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 740-7 | Jan 1, 2016 | | 92 | per measure | 0.143 | 1105.5 | per measure | 11 |
| **Interior CF 1L 26W Quad: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 740-13 | Jan 1, 2016 | | 92 | per measure | 0.143 | 111.1 | per measure | 11 |
| **Interior CF 1L 26W Quad: Light Industry: Biz Standard** | | | | | | | | |
| 740-9 | Jan 1, 2016 | | 92 | per measure | 0.143 | 829.2 | per measure | 11 |
| **Interior CF 1L 26W Quad: Miscellaneous: Biz Standard** | | | | | | | | |
| 740-14 | Jan 1, 2016 | | 92 | per measure | 0.143 | 792.6 | per measure | 11 |
| **Interior CF 1L 26W Quad: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 740-16 | Jan 1, 2016 | | 92 | per measure | 0.143 | 850.8 | per measure | 11 |
| **Interior CF 1L 26W Quad: Office: Biz Standard** | | | | | | | | |
| 740-8 | Jan 1, 2016 | | 92 | per measure | 0.143 | 665.8 | per measure | 11 |
| **Interior CF 1L 26W Quad: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 740-18 | Jan 1, 2016 | | 92 | per measure | 0.143 | 238.0 | per measure | 11 |
| **Interior CF 1L 26W Quad: Restaurant: Biz Standard** | | | | | | | | |
| 740-3 | Jan 1, 2016 | | 92 | per measure | 0.143 | 821.9 | per measure | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Interior CF 1L 26W Quad: Retail/Service: Biz Standard** | | | | | | | | |
| 740-2 | Jan 1, 2016 | | 92 | per measure | 0.143 | 722.7 | per measure | 11 |
| **Interior CF 1L 26W Quad: Warehouse: Biz Standard** | | | | | | | | |
| 740-20 | Jan 1, 2016 | | 92 | per measure | 0.143 | 721.7 | per measure | 11 |
| **Interior CF 1L 32W Triple: College/University: Biz Standard** | | | | | | | | |
| 741-1 | Jan 1, 2016 | | 135 | per measure | 0.033 | 203.0 | per measure | 11 |
| **Interior CF 1L 32W Triple: Elementary School: Biz Standard** | | | | | | | | |
| 741-10 | Jan 1, 2016 | | 135 | per measure | 0.033 | 79.9 | per measure | 11 |
| **Interior CF 1L 32W Triple: Exterior: Biz Standard** | | | | | | | | |
| 741-15 | Jan 1, 2016 | | 135 | per measure | 0.033 | 144.5 | per measure | 11 |
| **Interior CF 1L 32W Triple: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 741-19 | Jan 1, 2016 | | 135 | per measure | 0.033 | 289.1 | per measure | 11 |
| **Interior CF 1L 32W Triple: Garage: Biz Standard** | | | | | | | | |
| 741-4 | Jan 1, 2016 | | 135 | per measure | 0.033 | 116.8 | per measure | 11 |
| **Interior CF 1L 32W Triple: Grocery: Biz Standard** | | | | | | | | |
| 741-5 | Jan 1, 2016 | | 135 | per measure | 0.033 | 214.6 | per measure | 11 |
| **Interior CF 1L 32W Triple: Heavy Industry: Biz Standard** | | | | | | | | |
| 741-11 | Jan 1, 2016 | | 135 | per measure | 0.033 | 202.9 | per measure | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Interior CF 1L 32W Triple: High School/Middle School: Biz Standard** | | | | | | | | |
| 741-12 | Jan 1, 2016 | | 135 | per measure | 0.033 | 142.3 | per measure | 11 |
| **Interior CF 1L 32W Triple: Hospital: Biz Standard** | | | | | | | | |
| 741-6 | Jan 1, 2016 | | 135 | per measure | 0.033 | 173.4 | per measure | 11 |
| **Interior CF 1L 32W Triple: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 741-7 | Jan 1, 2016 | | 135 | per measure | 0.033 | 255.1 | per measure | 11 |
| **Interior CF 1L 32W Triple: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 741-13 | Jan 1, 2016 | | 135 | per measure | 0.033 | 25.6 | per measure | 11 |
| **Interior CF 1L 32W Triple: Light Industry: Biz Standard** | | | | | | | | |
| 741-9 | Jan 1, 2016 | | 135 | per measure | 0.033 | 191.3 | per measure | 11 |
| **Interior CF 1L 32W Triple: Miscellaneous: Biz Standard** | | | | | | | | |
| 741-14 | Jan 1, 2016 | | 135 | per measure | 0.033 | 182.9 | per measure | 11 |
| **Interior CF 1L 32W Triple: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 741-16 | Jan 1, 2016 | | 135 | per measure | 0.033 | 196.4 | per measure | 11 |
| **Interior CF 1L 32W Triple: Office: Biz Standard** | | | | | | | | |
| 741-8 | Jan 1, 2016 | | 135 | per measure | 0.033 | 153.6 | per measure | 11 |
| **Interior CF 1L 32W Triple: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 741-18 | Jan 1, 2016 | | 135 | per measure | 0.033 | 54.9 | per measure | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Interior CF 1L 32W Triple: Restaurant: Biz Standard** | | | | | | | | |
| 741-3 | Jan 1, 2016 | | 135 | per measure | 0.033 | 189.7 | per measure | 11 |
| **Interior CF 1L 32W Triple: Retail/Service: Biz Standard** | | | | | | | | |
| 741-2 | Jan 1, 2016 | | 135 | per measure | 0.033 | 166.8 | per measure | 11 |
| **Interior CF 1L 32W Triple: Warehouse: Biz Standard** | | | | | | | | |
| 741-20 | Jan 1, 2016 | | 135 | per measure | 0.033 | 166.5 | per measure | 11 |
| **Interior Wall (3 fixtures controlled): College/University: Biz Standard** | | | | | | | | |
| 779-1 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Elementary School: Biz Standard** | | | | | | | | |
| 779-10 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Exterior: Biz Standard** | | | | | | | | |
| 779-15 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 779-19 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Garage: Biz Standard** | | | | | | | | |
| 779-4 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Grocery: Biz Standard** | | | | | | | | |
| 779-5 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Interior Wall (3 fixtures controlled): Heavy Industry: Biz Standard** | | | | | | | | |
| 779-11 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): High School/Middle School: Biz Standard** | | | | | | | | |
| 779-12 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Hospital: Biz Standard** | | | | | | | | |
| 779-6 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 779-7 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 779-13 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Light Industry: Biz Standard** | | | | | | | | |
| 779-9 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Miscellaneous: Biz Standard** | | | | | | | | |
| 779-14 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 779-16 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Office: Biz Standard** | | | | | | | | |
| 779-8 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Interior Wall (3 fixtures controlled): Religious Worship/Church: Biz Standard** | | | | | | | | |
| 779-18 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Restaurant: Biz Standard** | | | | | | | | |
| 779-3 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Retail/Service: Biz Standard** | | | | | | | | |
| 779-2 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **Interior Wall (3 fixtures controlled): Warehouse: Biz Standard** | | | | | | | | |
| 779-20 | Jan 2, 2013 | | 91 | per 3 | 0.060 | 620.9 | per 3 | 11 |
| **LED Case lighting: College/University: Biz Standard** | | | | | | | | |
| 734-1 | Jan 1, 2016 | | 300 | per door | 0.031 | 190.7 | per door | 15 |
| **LED Case lighting: Elementary School: Biz Standard** | | | | | | | | |
| 734-10 | Jan 1, 2016 | | 300 | per door | 0.031 | 75.1 | per door | 15 |
| **LED Case lighting: Exterior: Biz Standard** | | | | | | | | |
| 734-15 | Jan 1, 2016 | | 300 | per door | 0.031 | 135.8 | per door | 15 |
| **LED Case lighting: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 734-19 | Jan 1, 2016 | | 300 | per door | 0.031 | 271.6 | per door | 15 |
| **LED Case lighting: Garage: Biz Standard** | | | | | | | | |
| 734-4 | Jan 1, 2016 | | 300 | per door | 0.031 | 109.7 | per door | 15 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **LED Case lighting: Grocery: Biz Standard** | | | | | | | | |
| 734-5 | Jan 1, 2016 | | 300 | per door | 0.031 | 201.6 | per door | 15 |
| **LED Case lighting: Heavy Industry: Biz Standard** | | | | | | | | |
| 734-11 | Jan 1, 2016 | | 300 | per door | 0.031 | 190.6 | per door | 15 |
| **LED Case lighting: High School/Middle School: Biz Standard** | | | | | | | | |
| 734-12 | Jan 1, 2016 | | 300 | per door | 0.031 | 133.6 | per door | 15 |
| **LED Case lighting: Hospital: Biz Standard** | | | | | | | | |
| 734-6 | Jan 1, 2016 | | 300 | per door | 0.031 | 162.9 | per door | 15 |
| **LED Case lighting: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 734-7 | Jan 1, 2016 | | 300 | per door | 0.031 | 239.7 | per door | 15 |
| **LED Case lighting: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 734-13 | Jan 1, 2016 | | 300 | per door | 0.031 | 24.1 | per door | 15 |
| **LED Case lighting: Light Industry: Biz Standard** | | | | | | | | |
| 734-9 | Jan 1, 2016 | | 300 | per door | 0.031 | 179.7 | per door | 15 |
| **LED Case lighting: Miscellaneous: Biz Standard** | | | | | | | | |
| 734-14 | Jan 1, 2016 | | 300 | per door | 0.031 | 171.8 | per door | 15 |
| **LED Case lighting: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 734-16 | Jan 1, 2016 | | 300 | per door | 0.031 | 184.4 | per door | 15 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **LED Case lighting: Office: Biz Standard** | | | | | | | | |
| 734-8 | Jan 1, 2016 | | 300 | per door | 0.031 | 144.3 | per door | 15 |
| **LED Case lighting: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 734-18 | Jan 1, 2016 | | 300 | per door | 0.031 | 51.6 | per door | 15 |
| **LED Case lighting: Restaurant: Biz Standard** | | | | | | | | |
| 734-3 | Jan 1, 2016 | | 300 | per door | 0.031 | 178.2 | per door | 15 |
| **LED Case lighting: Retail/Service: Biz Standard** | | | | | | | | |
| 734-2 | Jan 1, 2016 | | 300 | per door | 0.031 | 156.7 | per door | 15 |
| **LED Case lighting: Warehouse: Biz Standard** | | | | | | | | |
| 734-20 | Jan 1, 2016 | | 300 | per door | 0.031 | 156.5 | per door | 15 |
| **LED Exit Sign - 3_0 W_CF 18 base** | | | | | | | | |
| 8001 | Jan 1, 2016 | | 91.68 | per fixture | 0.0358 | 223.81 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_CF 9 base** | | | | | | | | |
| 8000 | Jan 1, 2016 | | 45.45 | per fixture | 0.04063 | 243.1 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: College/University: Biz Standard** | | | | | | | | |
| 793-1 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Elementary School: Biz Standard** | | | | | | | | |
| 793-10 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **LED Exit Sign - 3_0 W_Inc30 base: Exterior: Biz Standard** | | | | | | | | |
| 793-15 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 793-19 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Garage: Biz Standard** | | | | | | | | |
| 793-4 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Grocery: Biz Standard** | | | | | | | | |
| 793-5 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Heavy Industry: Biz Standard** | | | | | | | | |
| 793-11 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: High School/Middle School: Biz Standard** | | | | | | | | |
| 793-12 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Hospital: Biz Standard** | | | | | | | | |
| 793-6 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 793-7 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 793-13 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **LED Exit Sign - 3_0 W_Inc30 base: Light Industry: Biz Standard** | | | | | | | | |
| 793-9 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Miscellaneous: Biz Standard** | | | | | | | | |
| 793-14 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 793-16 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Office: Biz Standard** | | | | | | | | |
| 793-8 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 793-18 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Restaurant: Biz Standard** | | | | | | | | |
| 793-3 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Retail/Service: Biz Standard** | | | | | | | | |
| 793-2 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **LED Exit Sign - 3_0 W_Inc30 base: Warehouse: Biz Standard** | | | | | | | | |
| 793-20 | Jan 1, 2016 | | 63 | per fixture | 0.032 | 223.8 | per fixture | 16 |
| **Lighted Snack Dispensing Machine: Biz Standard** | | | | | | | | |
| 847 | Jan 1, 2016 | | 47 | per measure | 0.000 | 328 | per measure | 4 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Low Flow Faucet Aerator - Electric water heater: Biz Standard** | | | | | | | | |
| 848 | Jan 2, 2013 | | 12 | per building | 0.017 | 174.0 | per building | 9 |
| **New pin-based CFL Fixture (_GT_45W): College/University: Biz Standard** | | | | | | | | |
| 744-1 | Jan 1, 2016 | | 327 | per measure | 0.179 | 1101.1 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Elementary School: Biz Standard** | | | | | | | | |
| 744-10 | Jan 1, 2016 | | 327 | per measure | 0.179 | 433.5 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Exterior: Biz Standard** | | | | | | | | |
| 744-15 | Jan 1, 2016 | | 327 | per measure | 0.179 | 784.0 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 744-19 | Jan 1, 2016 | | 327 | per measure | 0.179 | 1568.0 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Garage: Biz Standard** | | | | | | | | |
| 744-4 | Jan 1, 2016 | | 327 | per measure | 0.179 | 633.7 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Grocery: Biz Standard** | | | | | | | | |
| 744-5 | Jan 1, 2016 | | 327 | per measure | 0.179 | 1164.2 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Heavy Industry: Biz Standard** | | | | | | | | |
| 744-11 | Jan 1, 2016 | | 327 | per measure | 0.179 | 1100.5 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): High School/Middle School: Biz Standard** | | | | | | | | |
| 744-12 | Jan 1, 2016 | | 327 | per measure | 0.179 | 771.7 | per measure | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **New pin-based CFL Fixture (_GT_45W): Hospital: Biz Standard** | | | | | | | | |
| 744-6 | Jan 1, 2016 | | 327 | per measure | 0.179 | 940.6 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 744-7 | Jan 1, 2016 | | 327 | per measure | 0.179 | 1383.8 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 744-13 | Jan 1, 2016 | | 327 | per measure | 0.179 | 139.1 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Light Industry: Biz Standard** | | | | | | | | |
| 744-9 | Jan 1, 2016 | | 327 | per measure | 0.179 | 1037.9 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Miscellaneous: Biz Standard** | | | | | | | | |
| 744-14 | Jan 1, 2016 | | 327 | per measure | 0.179 | 992.1 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 744-16 | Jan 1, 2016 | | 327 | per measure | 0.179 | 1065.0 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Office: Biz Standard** | | | | | | | | |
| 744-8 | Jan 1, 2016 | | 327 | per measure | 0.179 | 833.4 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Religious Worship/Church: Biz Standard** | | | | | | | | |
| 744-18 | Jan 1, 2016 | | 327 | per measure | 0.179 | 297.9 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Restaurant: Biz Standard** | | | | | | | | |
| 744-3 | Jan 1, 2016 | | 327 | per measure | 0.179 | 1028.8 | per measure | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **New pin-based CFL Fixture (_GT_45W): Retail/Service: Biz Standard** | | | | | | | | |
| 744-2 | Jan 1, 2016 | | 327 | per measure | 0.179 | 904.7 | per measure | 11 |
| **New pin-based CFL Fixture (_GT_45W): Warehouse: Biz Standard** | | | | | | | | |
| 744-20 | Jan 1, 2016 | | 327 | per measure | 0.179 | 903.4 | per measure | 11 |
| **Night Cover: Biz Standard** | | | | | | | | |
| 1184 | Jan 2, 2013 | | 15 | per linear | 0.000 | 43.8 | per linear | 10 |
| **Occupancy Sensors over 500 W: College/University: Biz Standard** | | | | | | | | |
| 786-1 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1660.9 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Elementary School: Biz Standard** | | | | | | | | |
| 786-10 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 653.9 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Exterior: Biz Standard** | | | | | | | | |
| 786-15 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1182.6 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 786-19 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 2365.2 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Garage: Biz Standard** | | | | | | | | |
| 786-4 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 955.8 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Grocery: Biz Standard** | | | | | | | | |
| 786-5 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1756.1 | per 750 | 10 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Occupancy Sensors over 500 W: Heavy Industry: Biz Standard** | | | | | | | | |
| 786-11 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1660.0 | per 750 | 10 |
| **Occupancy Sensors over 500 W: High School/Middle School: Biz Standard** | | | | | | | | |
| 786-12 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1164.0 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Hospital: Biz Standard** | | | | | | | | |
| 786-6 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1418.8 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 786-7 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 2087.3 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 786-13 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 209.8 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Light Industry: Biz Standard** | | | | | | | | |
| 786-9 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1565.6 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Miscellaneous: Biz Standard** | | | | | | | | |
| 786-14 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1496.4 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 786-16 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1606.5 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Office: Biz Standard** | | | | | | | | |
| 786-8 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1257.1 | per 750 | 10 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Occupancy Sensors over 500 W: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 786-18 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 449.3 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Restaurant: Biz Standard** | | | | | | | | |
| 786-3 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1551.8 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Retail/Service: Biz Standard** | | | | | | | | |
| 786-2 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1364.6 | per 750 | 10 |
| **Occupancy Sensors over 500 W: Warehouse: Biz Standard** | | | | | | | | |
| 786-20 | Jan 1, 2016 | | 311 | per 750 | 0.000 | 1362.7 | per 750 | 10 |
| **Occupancy Sensors under 500 W: College/University: Biz Standard** | | | | | | | | |
| 787-1 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 664.4 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Elementary School: Biz Standard** | | | | | | | | |
| 787-10 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 261.6 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Exterior: Biz Standard** | | | | | | | | |
| 787-15 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 473.0 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 787-19 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 946.1 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Garage: Biz Standard** | | | | | | | | |
| 787-4 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 382.3 | per 300 | 10 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Occupancy Sensors under 500 W: Grocery: Biz Standard** | | | | | | | | |
| 787-5 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 702.4 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Heavy Industry: Biz Standard** | | | | | | | | |
| 787-11 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 664.0 | per 300 | 10 |
| **Occupancy Sensors under 500 W: High School/Middle School: Biz Standard** | | | | | | | | |
| 787-12 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 465.6 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Hospital: Biz Standard** | | | | | | | | |
| 787-6 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 567.5 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 787-7 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 834.9 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 787-13 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 83.9 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Light Industry: Biz Standard** | | | | | | | | |
| 787-9 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 626.2 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Miscellaneous: Biz Standard** | | | | | | | | |
| 787-14 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 598.6 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 787-16 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 642.6 | per 300 | 10 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Occupancy Sensors under 500 W: Office: Biz Standard** | | | | | | | | |
| 787-8 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 502.8 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 787-18 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 179.7 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Restaurant: Biz Standard** | | | | | | | | |
| 787-3 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 620.7 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Retail/Service: Biz Standard** | | | | | | | | |
| 787-2 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 545.8 | per 300 | 10 |
| **Occupancy Sensors under 500 W: Warehouse: Biz Standard** | | | | | | | | |
| 787-20 | Jan 1, 2016 | | 144 | per 300 | 0.000 | 545.1 | per 300 | 10 |
| **Optimizing Process Cooling: Biz Standard** | | | | | | | | |
| 821 | Jan 2, 2013 | | 1568 | per project | 2.238 | 16325.0 | per project | 15 |
| **Optimizing Process Heating: Biz Standard** | | | | | | | | |
| 823 | Jan 2, 2013 | | 760 | per project | 0.967 | 7053.0 | per project | 15 |
| **Passive Infrared or Ultrasonic_2: College/University: Biz Standard** | | | | | | | | |
| 781-1 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | | 11 |
| **Passive Infrared or Ultrasonic_2: Elementary School: Biz Standard** | | | | | | | | |
| 781-10 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Passive Infrared or Ultrasonic_2: Exterior: Biz Standard** | | | | | | | | |
| 781-15 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 781-19 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Garage: Biz Standard** | | | | | | | | |
| 781-4 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Grocery: Biz Standard** | | | | | | | | |
| 781-5 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Heavy Industry: Biz Standard** | | | | | | | | |
| 781-11 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: High School/Middle School: Biz Standard** | | | | | | | | |
| 781-12 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Hospital: Biz Standard** | | | | | | | | |
| 781-6 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 781-7 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 781-13 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Passive Infrared or Ultrasonic_2: Light Industry: Biz Standard** | | | | | | | | |
| 781-9 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Miscellaneous: Biz Standard** | | | | | | | | |
| 781-14 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 781-16 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Office: Biz Standard** | | | | | | | | |
| 781-8 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 781-18 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Restaurant: Biz Standard** | | | | | | | | |
| 781-3 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Retail/Service: Biz Standard** | | | | | | | | |
| 781-2 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic_2: Warehouse: Biz Standard** | | | | | | | | |
| 781-20 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: College/University: Biz Standard** | | | | | | | | |
| 780-1 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Passive Infrared or Ultrasonic: Elementary School: Biz Standard** | | | | | | | | |
| 780-10 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Exterior: Biz Standard** | | | | | | | | |
| 780-15 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 780-19 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Garage: Biz Standard** | | | | | | | | |
| 780-4 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Grocery: Biz Standard** | | | | | | | | |
| 780-5 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Heavy Industry: Biz Standard** | | | | | | | | |
| 780-11 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: High School/Middle School: Biz Standard** | | | | | | | | |
| 780-12 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Hospital: Biz Standard** | | | | | | | | |
| 780-6 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 780-7 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Passive Infrared or Ultrasonic: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 780-13 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Light Industry: Biz Standard** | | | | | | | | |
| 780-9 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Miscellaneous: Biz Standard** | | | | | | | | |
| 780-14 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 780-16 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Office: Biz Standard** | | | | | | | | |
| 780-8 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 780-18 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Restaurant: Biz Standard** | | | | | | | | |
| 780-3 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Retail/Service: Biz Standard** | | | | | | | | |
| 780-2 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |
| **Passive Infrared or Ultrasonic: Warehouse: Biz Standard** | | | | | | | | |
| 780-20 | Jan 2, 2013 | | 92 | per measure | 0.023 | 616.3 | per measure | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **PC Power Management Software: Biz Standard** | | | | | | | | |
| 1178 | Jan 2, 2013 | | 20 | per unit | 0.000 | 200.0 | per unit | 4 |
| **Pre Rinse Sprayers - Electric water heater: Biz Standard** | | | | | | | | |
| 849 | Jan 2, 2013 | | 67 | per measure | 0.116 | 5626.0 | per measure | 5 |
| **Pulse Start Metal Halide 150-200W retrofit only: College/University: Biz Standard** | | | | | | | | |
| 754-1 | Jan 1, 2016 | | 135 | per measure | 0.057 | 350.6 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Elementary School: Biz Standard** | | | | | | | | |
| 754-10 | Jan 1, 2016 | | 135 | per measure | 0.057 | 138.1 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Exterior: Biz Standard** | | | | | | | | |
| 754-15 | Jan 1, 2016 | | 135 | per measure | 0.057 | 249.7 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 754-19 | Jan 1, 2016 | | 135 | per measure | 0.057 | 499.3 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Garage: Biz Standard** | | | | | | | | |
| 754-4 | Jan 1, 2016 | | 135 | per measure | 0.057 | 201.8 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Grocery: Biz Standard** | | | | | | | | |
| 754-5 | Jan 1, 2016 | | 135 | per measure | 0.057 | 370.7 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Heavy Industry: Biz Standard** | | | | | | | | |
| 754-11 | Jan 1, 2016 | | 135 | per measure | 0.057 | 350.4 | per measure | 16 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Pulse Start Metal Halide 150-200W retrofit only: High School/Middle School: Biz Standard** | | | | | | | | |
| 754-12 | Jan 1, 2016 | | 135 | per measure | 0.057 | 245.7 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Hospital: Biz Standard** | | | | | | | | |
| 754-6 | Jan 1, 2016 | | 135 | per measure | 0.057 | 299.5 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 754-7 | Jan 1, 2016 | | 135 | per measure | 0.057 | 440.7 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 754-13 | Jan 1, 2016 | | 135 | per measure | 0.057 | 44.3 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Light Industry: Biz Standard** | | | | | | | | |
| 754-9 | Jan 1, 2016 | | 135 | per measure | 0.057 | 330.5 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Miscellaneous: Biz Standard** | | | | | | | | |
| 754-14 | Jan 1, 2016 | | 135 | per measure | 0.057 | 315.9 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 754-16 | Jan 1, 2016 | | 135 | per measure | 0.057 | 339.2 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Office: Biz Standard** | | | | | | | | |
| 754-8 | Jan 1, 2016 | | 135 | per measure | 0.057 | 265.4 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 754-18 | Jan 1, 2016 | | 135 | per measure | 0.057 | 94.8 | per measure | 16 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Pulse Start Metal Halide 150-200W retrofit only: Restaurant: Biz Standard** | | | | | | | | |
| 754-3 | Jan 1, 2016 | | 135 | per measure | 0.057 | 327.6 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Retail/Service: Biz Standard** | | | | | | | | |
| 754-2 | Jan 1, 2016 | | 135 | per measure | 0.057 | 288.1 | per measure | 16 |
| **Pulse Start Metal Halide 150-200W retrofit only: Warehouse: Biz Standard** | | | | | | | | |
| 754-20 | Jan 1, 2016 | | 135 | per measure | 0.057 | 287.7 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: College/University: Biz Standard** | | | | | | | | |
| 755-1 | Jan 1, 2016 | | 150 | per measure | 0.085 | 522.9 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Elementary School: Biz Standard** | | | | | | | | |
| 755-10 | Jan 1, 2016 | | 150 | per measure | 0.085 | 205.9 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Exterior: Biz Standard** | | | | | | | | |
| 755-15 | Jan 1, 2016 | | 150 | per measure | 0.085 | 372.3 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 755-19 | Jan 1, 2016 | | 150 | per measure | 0.085 | 744.6 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Garage: Biz Standard** | | | | | | | | |
| 755-4 | Jan 1, 2016 | | 150 | per measure | 0.085 | 300.9 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Grocery: Biz Standard** | | | | | | | | |
| 755-5 | Jan 1, 2016 | | 150 | per measure | 0.085 | 552.9 | per measure | 16 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Pulse Start Metal Halide 320W retrofit only: Heavy Industry: Biz Standard** | | | | | | | | |
| 755-11 | Jan 1, 2016 | | 150 | per measure | 0.085 | 522.6 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: High School/Middle School: Biz Standard** | | | | | | | | |
| 755-12 | Jan 1, 2016 | | 150 | per measure | 0.085 | 366.4 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Hospital: Biz Standard** | | | | | | | | |
| 755-6 | Jan 1, 2016 | | 150 | per measure | 0.085 | 446.7 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 755-7 | Jan 1, 2016 | | 150 | per measure | 0.085 | 657.1 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 755-13 | Jan 1, 2016 | | 150 | per measure | 0.085 | 66.0 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Light Industry: Biz Standard** | | | | | | | | |
| 755-9 | Jan 1, 2016 | | 150 | per measure | 0.085 | 492.9 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Miscellaneous: Biz Standard** | | | | | | | | |
| 755-14 | Jan 1, 2016 | | 150 | per measure | 0.085 | 471.1 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 755-16 | Jan 1, 2016 | | 150 | per measure | 0.085 | 505.8 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Office: Biz Standard** | | | | | | | | |
| 755-8 | Jan 1, 2016 | | 150 | per measure | 0.085 | 395.8 | per measure | 16 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Pulse Start Metal Halide 320W retrofit only: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 755-18 | Jan 1, 2016 | | 150 | per measure | 0.085 | 141.4 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Restaurant: Biz Standard** | | | | | | | | |
| 755-3 | Jan 1, 2016 | | 150 | per measure | 0.085 | 488.5 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Retail/Service: Biz Standard** | | | | | | | | |
| 755-2 | Jan 1, 2016 | | 150 | per measure | 0.085 | 429.6 | per measure | 16 |
| **Pulse Start Metal Halide 320W retrofit only: Warehouse: Biz Standard** | | | | | | | | |
| 755-20 | Jan 1, 2016 | | 150 | per measure | 0.085 | 429.0 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: College/University: Biz Standard** | | | | | | | | |
| 756-1 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1611.7 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Elementary School: Biz Standard** | | | | | | | | |
| 756-10 | Jan 1, 2016 | | 200 | per measure | 0.262 | 634.6 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Exterior: Biz Standard** | | | | | | | | |
| 756-15 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1147.6 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 756-19 | Jan 1, 2016 | | 200 | per measure | 0.262 | 2295.1 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Garage: Biz Standard** | | | | | | | | |
| 756-4 | Jan 1, 2016 | | 200 | per measure | 0.262 | 927.5 | per measure | 16 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Pulse Start Metal Halide 750W retrofit only: Grocery: Biz Standard** | | | | | | | | |
| 756-5 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1704.1 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Heavy Industry: Biz Standard** | | | | | | | | |
| 756-11 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1610.8 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: High School/Middle School: Biz Standard** | | | | | | | | |
| 756-12 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1129.5 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Hospital: Biz Standard** | | | | | | | | |
| 756-6 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1376.8 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 756-7 | Jan 1, 2016 | | 200 | per measure | 0.262 | 2025.5 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 756-13 | Jan 1, 2016 | | 200 | per measure | 0.262 | 203.6 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Light Industry: Biz Standard** | | | | | | | | |
| 756-9 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1519.2 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Miscellaneous: Biz Standard** | | | | | | | | |
| 756-14 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1452.1 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 756-16 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1558.9 | per measure | 16 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Pulse Start Metal Halide 750W retrofit only: Office: Biz Standard** | | | | | | | | |
| 756-8 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1219.9 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 756-18 | Jan 1, 2016 | | 200 | per measure | 0.262 | 436.0 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Restaurant: Biz Standard** | | | | | | | | |
| 756-3 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1505.8 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Retail/Service: Biz Standard** | | | | | | | | |
| 756-2 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1324.2 | per measure | 16 |
| **Pulse Start Metal Halide 750W retrofit only: Warehouse: Biz Standard** | | | | | | | | |
| 756-20 | Jan 1, 2016 | | 200 | per measure | 0.262 | 1322.3 | per measure | 16 |
| **Pumps HP 10: Biz Standard** | | | | | | | | |
| 2795 | Jan 1, 2016 | | 332 | per measure | 0.427 | 2014 | per measure | 15 |
| **Pumps HP 15 (Eff increase 16.09): Biz Standard** | | | | | | | | |
| 796 | Jan 1, 2016 | | 585 | per measure | 0.64 | 3021 | per measure | 15 |
| **Pumps HP 20: Biz Standard** | | | | | | | | |
| 2797 | Jan 1, 2016 | | 850 | per measure | 0.854 | 4028 | per measure | 15 |
| **Pumps HP 3 (Eff increase 7.19): Biz Standard** | | | | | | | | |
| 798 | Jan 1, 2016 | | 350 | per measure | 0.128 | 604 | per measure | 15 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Pumps HP 5: Biz Standard** | | | | | | | | |
| 2799 | Jan 1, 2016 | | 341 | per measure | 0.214 | 1007 | per measure | 15 |
| **Pumps HP 7.5: Biz Standard** | | | | | | | | |
| 2794 | Jan 1, 2016 | | 498 | per measure | 0.32 | 1511 | per measure | 15 |
| **Pumps HP 7.5 (Eff Increase: 6.05): Biz Standard** | | | | | | | | |
| 1137 | Jan 2, 2013 | | 498 | per measure | 0.472 | 1720.0 | per measure | 15 |
| **Pumps HP 7.5 (Eff Increase: 7.48): Biz Standard** | | | | | | | | |
| 800 | Jan 2, 2013 | | 498 | per measure | 0.506 | 1840.0 | per measure | 15 |
| **Refrigerant charging correction: Biz Standard** | | | | | | | | |
| 837 | Jan 2, 2013 | | 38.35 | per square | 0.110 | 96.2 | per square | 10 |
| **Refrigeration-Auto Door Closer: Biz Standard** | | | | | | | | |
| 1110 | Jan 2, 2013 | | 157 | per measure | 0.223 | 681.0 | per measure | 8 |
| **Setback-Setup Thermostat: Biz Standard** | | | | | | | | |
| 697 | Jan 2, 2013 | | 174 | per 1,000 | -0.098 | 987.0 | per 1,000 | 9 |
| **Strip Curtain for Walk-in Cooler: Biz Standard** | | | | | | | | |
| 845 | Jan 1, 2016 | | 132 | per measure | 0.628 | 4310 | per measure | 4 |
| **Switching Controls for Multilevel Lighting: College/University: Biz Standard** | | | | | | | | |
| 782-1 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 13840.7 | per 10,000 | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Switching Controls for Multilevel Lighting: Elementary School: Biz Standard** | | | | | | | | |
| 782-10 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 5449.5 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Exterior: Biz Standard** | | | | | | | | |
| 782-15 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 9855.0 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 782-19 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 19710.0 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Garage: Biz Standard** | | | | | | | | |
| 782-4 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 7965.0 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Grocery: Biz Standard** | | | | | | | | |
| 782-5 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 14634.4 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Heavy Industry: Biz Standard** | | | | | | | | |
| 782-11 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 13833.0 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: High School/Middle School: Biz Standard** | | | | | | | | |
| 782-12 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 9699.8 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Hospital: Biz Standard** | | | | | | | | |
| 782-6 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 11823.4 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 782-7 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 17394.3 | per 10,000 | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Switching Controls for Multilevel Lighting: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 782-13 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 1748.2 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Light Industry: Biz Standard** | | | | | | | | |
| 782-9 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 13046.3 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Miscellaneous: Biz Standard** | | | | | | | | |
| 782-14 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 12470.3 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 782-16 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 13387.5 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Office: Biz Standard** | | | | | | | | |
| 782-8 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 10475.9 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 782-18 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 3744.0 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Restaurant: Biz Standard** | | | | | | | | |
| 782-3 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 12931.9 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Retail/Service: Biz Standard** | | | | | | | | |
| 782-2 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 11371.6 | per 10,000 | 12 |
| **Switching Controls for Multilevel Lighting: Warehouse: Biz Standard** | | | | | | | | |
| 782-20 | Jan 1, 2016 | | 4000 | per 10,000 | 0.000 | 11355.7 | per 10,000 | 12 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **T5 High-Bay 4L-F54HO: College/University: Biz Standard** | | | | | | | | |
| 1102-1 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1396.4 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Elementary School: Biz Standard** | | | | | | | | |
| 1102-10 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 549.8 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Exterior: Biz Standard** | | | | | | | | |
| 1102-15 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 994.3 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 1102-19 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1988.5 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Garage: Biz Standard** | | | | | | | | |
| 1102-4 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 803.6 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Grocery: Biz Standard** | | | | | | | | |
| 1102-5 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1476.4 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Heavy Industry: Biz Standard** | | | | | | | | |
| 1102-11 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1395.6 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: High School/Middle School: Biz Standard** | | | | | | | | |
| 1102-12 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 978.6 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Hospital: Biz Standard** | | | | | | | | |
| 1102-6 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1192.8 | per fixture | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **T5 High-Bay 4L-F54HO: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 1102-7 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1754.9 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 1102-13 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 176.4 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Light Industry: Biz Standard** | | | | | | | | |
| 1102-9 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1316.2 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Miscellaneous: Biz Standard** | | | | | | | | |
| 1102-14 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1258.1 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 1102-16 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1350.7 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Office: Biz Standard** | | | | | | | | |
| 1102-8 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1056.9 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 1102-18 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 377.7 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Restaurant: Biz Standard** | | | | | | | | |
| 1102-3 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1304.7 | per fixture | 11 |
| **T5 High-Bay 4L-F54HO: Retail/Service: Biz Standard** | | | | | | | | |
| 1102-2 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1147.3 | per fixture | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **T5 High-Bay 4L-F54HO: Warehouse: Biz Standard** | | | | | | | | |
| 1102-20 | Jan 1, 2016 | | 339 | per fixture | 0.210 | 1145.7 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: College/University: Biz Standard** | | | | | | | | |
| 1106-1 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 1199.5 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Elementary School: Biz Standard** | | | | | | | | |
| 1106-10 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 472.3 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Exterior: Biz Standard** | | | | | | | | |
| 1106-15 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 854.1 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Garage, 24/7 lighting: Biz Standard** | | | | | | | | |
| 1106-19 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 1708.2 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Garage: Biz Standard** | | | | | | | | |
| 1106-4 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 690.3 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Grocery: Biz Standard** | | | | | | | | |
| 1106-5 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 1268.3 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Heavy Industry: Biz Standard** | | | | | | | | |
| 1106-11 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 1198.9 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: High School/Middle School: Biz Standard** | | | | | | | | |
| 1106-12 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 840.6 | per fixture | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **T5 High-Bay 6L-F54HO: Hospital: Biz Standard** | | | | | | | | |
| 1106-6 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 1024.7 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Hotel/Motel Common Areas: Biz Standard** | | | | | | | | |
| 1106-7 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 1507.5 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Hotel/Motel Guest Rooms: Biz Standard** | | | | | | | | |
| 1106-13 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 151.5 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Light Industry: Biz Standard** | | | | | | | | |
| 1106-9 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 1130.7 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Miscellaneous: Biz Standard** | | | | | | | | |
| 1106-14 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 1080.8 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Multifamily Common Areas: Biz Standard** | | | | | | | | |
| 1106-16 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 1160.3 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Office: Biz Standard** | | | | | | | | |
| 1106-8 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 907.9 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Religious Worship/Church: Biz Standard** | | | | | | | | |
| 1106-18 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 324.5 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Restaurant: Biz Standard** | | | | | | | | |
| 1106-3 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 1120.8 | per fixture | 11 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **T5 High-Bay 6L-F54HO: Retail/Service: Biz Standard** | | | | | | | | |
| 1106-2 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 985.5 | per fixture | 11 |
| **T5 High-Bay 6L-F54HO: Warehouse: Biz Standard** | | | | | | | | |
| 1106-20 | Jan 1, 2016 | | 256 | per fixture | 0.165 | 984.2 | per fixture | 11 |
| **Tractor Heater Timers: Biz Standard** | | | | | | | | |
| 681 | Jan 2, 2013 | | 35 | per measure | 0.000 | 576.0 | per measure | 10 |
| **Vending Equipment Controller: Biz Standard** | | | | | | | | |
| 794 | Jan 2, 2013 | | 141 | per measure | 0.055 | 1646.0 | per measure | 5 |
| **VFD HP 10 Process Pumping: Biz Standard** | | | | | | | | |
| 801 | Jan 2, 2013 | | 2860 | per measure | 2.286 | 10713.4 | per measure | 15 |
| **VFD HP 15 Process Pumping: Biz Standard** | | | | | | | | |
| 802 | Jan 2, 2013 | | 3265 | per measure | 3.429 | 16232.3 | per measure | 15 |
| **VFD HP 20 Process Pumping: Biz Standard** | | | | | | | | |
| 803 | Jan 2, 2013 | | 4515 | per measure | 4.571 | 21643.1 | per measure | 15 |
| **VFD HP 25 Process Pumping: Biz Standard** | | | | | | | | |
| 804 | Jan 2, 2013 | | 5120 | per measure | 5.714 | 27053.9 | per measure | 15 |
| **VFD HP 30 Process Pumping: Biz Standard** | | | | | | | | |
| 806 | Jan 2, 2013 | | 5770 | per measure | 6.857 | 32464.6 | per measure | 15 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **VFD HP 3 Process Pumping: Biz Standard** | | | | | | | | |
| 805 | Jan 2, 2013 | | 1845 | per measure | 0.686 | 3246.2 | per measure | 15 |
| **VFD HP 40 Process Pumping: Biz Standard** | | | | | | | | |
| 807 | Jan 2, 2013 | | 8095 | per measure | 9.143 | 43286.2 | per measure | 15 |
| **VFD HP 50 Process Pumping: Biz Standard** | | | | | | | | |
| 809 | Jan 2, 2013 | | 8950 | per measure | 11.429 | 54108.4 | per measure | 15 |
| **VFD HP 5 Process Pumping: Biz Standard** | | | | | | | | |
| 808 | Jan 2, 2013 | | 2070 | per measure | 1.143 | 5356.7 | per measure | 15 |
| **VFD HP 7.5 Process Pumping: Biz Standard** | | | | | | | | |
| 810 | Jan 2, 2013 | | 2860 | per measure | 1.714 | 8116.2 | per measure | 15 |
| **VSD Air Compressors: Biz Standard** | | | | | | | | |
| 673 | Jan 2, 2013 | | 1 | per HP | 0.001 | 5.8 | per HP | 15 |
| **Window replacement: Biz Standard** | | | | | | | | |
| 671 | Jan 2, 2013 | | 13394 | per building | 6.413 | 30575.0 | per building | 20 |
| **Wtr-Cool cent Chiller 150 - 300 ton 0.51 kWperTon with 0.36 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2733 | Jan 1, 2016 | | 149.24 | per ton | 0.131 | 359.1 | per ton | 20 |
| **Wtr-Cool cent Chiller 150 - 300 ton 0.51 kWperTon with 0.39 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 705 | Jan 1, 2016 | | 143.51 | per ton | 0.128 | 336.6 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Wtr-Cool cent Chiller 150 - 300 ton 0.51 kWperTon with 0.3 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2732 | Jan 1, 2016 | | 161.85 | per ton | 0.137 | 402.8 | per ton | 20 |
| **Wtr-Cool cent Chiller 150 - 300 ton 0.51 kWperTon with 0.41 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2734 | Jan 1, 2016 | | 137.78 | per ton | 0.125 | 316.2 | per ton | 20 |
| **Wtr-Cool cent Chiller 150 - 300 ton 0.51 kWperTon with 0.48 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2735 | Jan 1, 2016 | | 122.87 | per ton | 0.116 | 256.4 | per ton | 20 |
| **Wtr-Cool cent Chiller 150 - 300 ton 0.57 kWperTon with 0.34 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2736 | Jan 1, 2016 | | 105.29 | per ton | 0.082 | 292.5 | per ton | 20 |
| **Wtr-Cool cent Chiller 150 - 300 ton 0.57 kWperTon with 0.43 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 706 | Jan 1, 2016 | | 84.65 | per ton | 0.071 | 218.2 | per ton | 20 |
| **Wtr-Cool cent Chiller 150 - 300 ton 0.57 kWperTon with 0.46 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2738 | Jan 1, 2016 | | 78.2 | per ton | 0.068 | 195.4 | per ton | 20 |
| **Wtr-Cool cent Chiller 150 - 300 ton 0.57 kWperTon with 0.4 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2737 | Jan 1, 2016 | | 91.1 | per ton | 0.075 | 243.4 | per ton | 20 |
| **Wtr-Cool cent Chiller 150 - 300 ton 0.57 kWperTon with 0.54 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2739 | Jan 1, 2016 | | 61.44 | per ton | 0.058 | 128.2 | per ton | 20 |
| **Wtr-Cool cent Chiller 150 - 300 ton 0.63 kWperTon with 0.38 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2740 | Jan 1, 2016 | | 48.73 | per ton | 0.026 | 182.4 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Wtr-Cool cent Chiller 150 - 300 ton 0.63 kWperTon with 0.45 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 707 | Jan 1, 2016 | | 32.96 | per ton | 0.018 | 127.9 | per ton | 20 |
| **Wtr-Cool cent Chiller 150 - 300 ton 0.63 kWperTon with 0.48 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2741 | Jan 1, 2016 | | 25.8 | per ton | 0.014 | 100.0 | per ton | 20 |
| **Wtr-Cool cent Chiller 150 - 300 ton 0.63 kWperTon with 0.51 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2742 | Jan 1, 2016 | | 18.63 | per ton | 0.011 | 74.6 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.46 kWperTon with 0.28 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2721 | Jan 1, 2016 | | 130.19 | per ton | 0.125 | 371.0 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.46 kWperTon with 0.33 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2722 | Jan 1, 2016 | | 118.26 | per ton | 0.120 | 331.2 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.46 kWperTon with 0.35 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 708 | Jan 1, 2016 | | 112.83 | per ton | 0.117 | 310.8 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.46 kWperTon with 0.37 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2723 | Jan 1, 2016 | | 107.41 | per ton | 0.114 | 292.2 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.46 kWperTon with 0.44 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2724 | Jan 1, 2016 | | 92.22 | per ton | 0.106 | 234.2 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.52 kWperTon with 0.31 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2725 | Jan 1, 2016 | | 88.82 | per ton | 0.075 | 270.8 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Wtr-Cool cent Chiller over 300 ton 0.52 kWperTon with 0.37 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2726 | Jan 1, 2016 | | 75.40 | per ton | 0.069 | 226.0 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.52 kWperTon with 0.39 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2727 | Jan 1, 2016 | | 69.30 | per ton | 0.065 | 203.1 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.52 kWperTon with 0.42 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2728 | Jan 1, 2016 | | 63.20 | per ton | 0.062 | 182.2 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.52 kWperTon with 0.49 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 709 | Jan 1, 2016 | | 46.11 | per ton | 0.053 | 117.1 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.58 kWperTon with 0.35 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2729 | Jan 1, 2016 | | 47.46 | per ton | 0.025 | 170.5 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.58 kWperTon with 0.41 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 710 | Jan 1, 2016 | | 32.54 | per ton | 0.017 | 120.8 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.58 kWperTon with 0.44 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2730 | Jan 1, 2016 | | 25.76 | per ton | 0.014 | 95.4 | per ton | 20 |
| **Wtr-Cool cent Chiller over 300 ton 0.58 kWperTon with 0.47 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2731 | Jan 1, 2016 | | 18.98 | per ton | 0.010 | 72.3 | per ton | 20 |
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.56 kWperTon with 0.34 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2709 | Jan 1, 2016 | | 203.03 | per ton | 0.15305 | 452.09 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.56 kWperTon with 0.43 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 711 | Jan 2, 2013 | | 186 | per ton | 0.142 | 422.3 | per ton | 20 |
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.56 kWperTon with 0.46 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2712 | Jan 1, 2016 | | 180.87 | per ton | 0.13906 | 356.3 | per ton | 20 |
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.56 kWperTon with 0.4 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2710 | Jan 1, 2016 | | 191.42 | per ton | 0.14605 | 403.67 | per ton | 20 |
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.56 kWperTon with 0.53 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2713 | Jan 1, 2016 | | 166.1 | per ton | 0.12909 | 285.73 | per ton | 20 |
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.63 kWperTon with 0.38 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2714 | Jan 1, 2016 | | 124.6 | per ton | 0.09153 | 329.89 | per ton | 20 |
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.63 kWperTon with 0.45 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2715 | Jan 1, 2016 | | 111.54 | per ton | 0.0836 | 275.5 | per ton | 20 |
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.63 kWperTon with 0.48 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 712 | Jan 2, 2013 | | 186 | per ton | 0.079 | 276.0 | per ton | 20 |
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.63 kWperTon with 0.51 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2716 | Jan 1, 2016 | | 99.67 | per ton | 0.07579 | 222.22 | per ton | 20 |
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.63 kWperTon with 0.60 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2717 | Jan 1, 2016 | | 83.05 | per ton | 0.06452 | 142.88 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.7 kWperTon with 0.44 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2718 | Jan 1, 2016 | | 46.16 | per ton | 0.03001 | 207.39 | per ton | 20 |
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.7 kWperTon with 0.53 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2719 | Jan 1, 2016 | | 25.06 | per ton | 0.01668 | 116.17 | per ton | 20 |
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.7 kWperTon with 0.57 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2720 | Jan 1, 2016 | | 18.46 | per ton | 0.01245 | 88.02 | per ton | 20 |
| **Wtr-Cool Centrifugal Chiller under 150 ton 0.7 kWperTon with 0.5 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 713 | Jan 2, 2013 | | 186 | per ton | 0.021 | 164.0 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.57 kWperTon with 0.34 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2771 | Jan 1, 2016 | | 149.41 | per ton | 0.163 | 423.8 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.57 kWperTon with 0.37 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2772 | Jan 1, 2016 | | 137.36 | per ton | 0.159 | 400.7 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.57 kWperTon with 0.43 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2773 | Jan 1, 2016 | | 113.26 | per ton | 0.148 | 343.7 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.57 kWperTon with 0.45 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2774 | Jan 1, 2016 | | 103.62 | per ton | 0.144 | 322.3 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.57 kWperTon with 0.4 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 714 | Jan 1, 2016 | | 125.31 | per ton | 0.154 | 373.3 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Wtr-Cool screw chiller 150 - 300 ton 0.57 kWperTon with 0.51 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2775 | Jan 1, 2016 | | 79.52 | per ton | 0.134 | 266.3 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.65 kWperTon with 0.39 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2776 | Jan 1, 2016 | | 118.38 | per ton | 0.1 | 310 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.65 kWperTon with 0.42 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2777 | Jan 1, 2016 | | 104.83 | per ton | 0.095 | 283.7 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.65 kWperTon with 0.45 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 715 | Jan 1, 2016 | | 91.27 | per ton | 0.089 | 252.9 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.65 kWperTon with 0.48 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2778 | Jan 1, 2016 | | 77.72 | per ton | 0.083 | 219.3 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.65 kWperTon with 0.51 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2779 | Jan 1, 2016 | | 66.87 | per ton | 0.078 | 194.8 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.65 kWperTon with 0.57 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2780 | Jan 1, 2016 | | 39.76 | per ton | 0.067 | 131.8 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.72 kWperTon with 0.43 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2781 | Jan 1, 2016 | | 87.36 | per ton | 0.036 | 201.3 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.72 kWperTon with 0.47 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2782 | Jan 1, 2016 | | 72.3 | per ton | 0.031 | 170.8 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Wtr-Cool screw chiller 150 - 300 ton 0.72 kWperTon with 0.54 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2783 | Jan 1, 2016 | | 42.17 | per ton | 0.017 | 95.4 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.72 kWperTon with 0.57 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2784 | Jan 1, 2016 | | 30.12 | per ton | 0.012 | 67.3 | per ton | 20 |
| **Wtr-Cool screw chiller 150 - 300 ton 0.72 kWperTon with 0.5 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 716 | Jan 1, 2016 | | 57.24 | per ton | 0.024 | 134.5 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.51 kWperTon with 0.31 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2757 | Jan 1, 2016 | | 114.05 | per ton | 0.145 | 380.168 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.51 kWperTon with 0.33 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2758 | Jan 1, 2016 | | 104.02 | per ton | 0.141 | 359.569 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.51 kWperTon with 0.36 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 717 | Jan 1, 2016 | | 93.99 | per ton | 0.137 | 335.007 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.51 kWperTon with 0.38 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2759 | Jan 1, 2016 | | 83.96 | per ton | 0.132 | 308.622 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.51 kWperTon with 0.46 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2761 | Jan 1, 2016 | | 55.87 | per ton | 0.12 | 239.719 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.51 kWperTon with 0.4 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2760 | Jan 1, 2016 | | 75.93 | per ton | 0.128 | 289.599 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Wtr-Cool screw chiller over 300 ton 0.58 kWperTon with 0.35 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2762 | Jan 1, 2016 | | 93.39 | per ton | 0.089 | 277.692 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.58 kWperTon with 0.37 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2763 | Jan 1, 2016 | | 82.1 | per ton | 0.084 | 254.586 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.58 kWperTon with 0.43 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2764 | Jan 1, 2016 | | 59.53 | per ton | 0.074 | 197.441 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.58 kWperTon with 0.45 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2765 | Jan 1, 2016 | | 50.51 | per ton | 0.07 | 175.985 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.58 kWperTon with 0.4 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 718 | Jan 1, 2016 | | 70.82 | per ton | 0.079 | 227.053 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.58 kWperTon with 0.51 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2766 | Jan 1, 2016 | | 27.94 | per ton | 0.06 | 119.836 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.64 kWperTon with 0.38 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2767 | Jan 1, 2016 | | 72.72 | per ton | 0.032 | 176.176 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.64 kWperTon with 0.42 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2768 | Jan 1, 2016 | | 60.18 | per ton | 0.027 | 150.281 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.64 kWperTon with 0.45 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 719 | Jan 1, 2016 | | 47.65 | per ton | 0.021 | 119.625 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Wtr-Cool screw chiller over 300 ton 0.64 kWperTon with 0.48 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2769 | Jan 1, 2016 | | 35.11 | per ton | 0.015 | 86.563 | per ton | 20 |
| **Wtr-Cool screw chiller over 300 ton 0.64 kWperTon with 0.51 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2770 | Jan 1, 2016 | | 25.08 | per ton | 0.011 | 62.36 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.63 kWperTon with 0.38 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2743 | Jan 1, 2016 | | 193.99 | per ton | 0.179 | 469.5 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.63 kWperTon with 0.41 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2744 | Jan 1, 2016 | | 179.73 | per ton | 0.174 | 443.8 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.63 kWperTon with 0.44 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 720 | Jan 1, 2016 | | 165.46 | per ton | 0.169 | 413.5 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.63 kWperTon with 0.47 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2745 | Jan 1, 2016 | | 151.2 | per ton | 0.163 | 380.7 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.63 kWperTon with 0.56 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2747 | Jan 1, 2016 | | 111.25 | per ton | 0.147 | 295.4 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.63 kWperTon with 0.5 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2746 | Jan 1, 2016 | | 139.78 | per ton | 0.158 | 357.0 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.71 kWperTon with 0.43 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2748 | Jan 1, 2016 | | 148.71 | per ton | 0.109 | 349.4 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Wtr-Cool screw chiller under 150 ton 0.71 kWperTon with 0.46 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2749 | Jan 1, 2016 | | 132.66 | per ton | 0.104 | 319.2 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.71 kWperTon with 0.53 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2750 | Jan 1, 2016 | | 100.56 | per ton | 0.091 | 244.4 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.71 kWperTon with 0.56 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2751 | Jan 1, 2016 | | 87.72 | per ton | 0.086 | 216.6 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.71 kWperTon with 0.5 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 721 | Jan 1, 2016 | | 116.61 | per ton | 0.097 | 283.2 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.71 kWperTon with 0.63 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2752 | Jan 1, 2016 | | 55.63 | per ton | 0.073 | 149.4 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.79 kWperTon with 0.47 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2753 | Jan 1, 2016 | | 103.43 | per ton | 0.04 | 224.4 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.79 kWperTon with 0.51 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2754 | Jan 1, 2016 | | 85.59 | per ton | 0.034 | 190.9 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.79 kWperTon with 0.55 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 722 | Jan 1, 2016 | | 67.76 | per ton | 0.027 | 150.9 | per ton | 20 |
| **Wtr-Cool screw chiller under 150 ton 0.79 kWperTon with 0.59 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2755 | Jan 1, 2016 | | 49.93 | per ton | 0.019 | 107.9 | per ton | 20 |

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Wtr-Cool screw chiller under 150 ton 0.79 kWperTon with 0.62 kWperTon IPLV: Biz Standard** | | | | | | | | |
| 2756 | Jan 1, 2016 | | 35.66 | per ton | 0.014 | 77.0 | per ton | 20 |

## Custom, Retro-commissioning and New Construction Program Measure Analysis Methodology

The Business Custom and Retro-commissioning (RCx) projects typically require substantial analytic rigor to identifying project savings and costs. The nature of these projects can vary dramatically.

Most commonly found Custom measures can be grouped into 14 categories:

- Lighting Improvements (fixture upgrades, except for exit signs and controls)
- Lighting Improvements (Exit signs and controls)
- Packaged Air-Conditioners and Heat Pumps (includes RTUs, ASHPs, WSHPs, GSHPs)
- Chiller Replacements
- Cooling Tower Replacements
- Refrigeration System Replacements
- Motor Drive Installations (i.e. variable-frequency drives [VFDs] )
- Compressed-Air Systems
- Controls and Energy Management Systems (EMS)
- Domestic Water Heating (various options)
- Pump, Fan, Piping, and Duct Improvements
- Process Upgrades
- All Other

Most commonly found RCx measures can be grouped into 14 categories:

- Lighting Improvements (fixture upgrades, except for exit signs and controls)
- Compressed-Air Systems
- Controls and Energy Management Systems (EMS)
- All Other

Some measures involve replacing an item of equipment with a similar, more-efficient model, while others entail enhancing the performance of existing equipment. For example, a measure may consist of modifying the programming of a control system and perhaps also adding one or more sensors and/or circuit-control devices, or it may involve modifying an existing pump or changing a piping system to reduce pressure drop, such that the motor driving the pump draws less power.

In the case of eligible motor upgrades and the installation of Variable Frequency Drive (VFD) drives on motors, this category will be credited with the savings irrespective of where the motor is located, unless the motor is part of a new item of equipment. For example, replacing the motor driving a fan on a cooling tower is a Motor measure, but replacing the entire cooling tower, which includes a new fan motor, is a Cooling Tower Measure.

A Technical Analysis Study (TAS) or energy savings estimate is required for all Custom and RCx projects. An energy savings estimate can be provided by the customer or a contractor. The Program engineering staff will review all TAS reports and energy savings estimates to ensure all assumptions are reasonable and that the study is based on sound engineering methodology. A TAS Report will contain complete documentation for the proposed project and provides vital information for the subsequent Impact Evaluation performed by the evaluation contractor. The TAS is also often used by the customer to get funding approval. More specifically, the TAS:

- Identifies the customer (organization), key customer representatives and their contact information, and the location of the facility that will host the proposed project.
- Describes the host facility (typically with a photograph and/or sketch showing site layout or floor plan).
- Documents monthly electricity use, and identifies Ameren Missouri account number and meter number.
- Describes the baseline equipment and provides its electricity-use (with estimated load shape[1]) and estimated annual O&M costs.
- Describes the new equipment to be added, together with key performance specifications and expected lifetime, or otherwise completes the description of the measure (i.e., Energy Management System (EMS) reprogramming and new control functions).
- Provides estimated electricity-use (and estimated load shape) for the retrofit condition.
- Provides the energy and demand savings calculations,[2] together with 1) the source of input parameter numbers, and 2) justification for each assumption made.
- Provides the cost to implement the project, together with a cost breakdown and, when possible, written quotations for major equipment item(s) and estimates of ongoing annual O&M costs.
- Provides the estimated financial incentive and estimated annual cost savings, together with the financial metric(s) requested by the customer (i.e., simple payback, IRR, ROI).

As it is noted above, some measures may involve modifying existing controls or energy management systems so they perform more functions and act more effectively to minimize electricity use while still producing the desired or needed service outputs as a function of time. Examples include the installation of Variable Air Volume (VAV) fans

[1] Load shape expressed as monthly kWh and kW.
[2] Reductions in Greenhouse Gas emissions or other environmental data should be included when available.

and sensors and the installation of a multistage efficient chiller, with each of these new systems controlled by an existing energy management system. This type of project will involve reprogramming of the EMS for the new control functions. *It is most important that the TAS fully describe the new equipment recommended, the new ventilation and chiller controls strategies to be implemented, and the specific EMS control functions that require reprogramming.*

After the TAS is submitted, together with an application signed by the customer that references the TAS, an engineer on the Program staff will formally review it and independently check the savings calculations. The TAS will either be approved or returned to the customer with a written explanation of what modifications are needed. When modifications are required, the revision number and date are noted on the cover, new signatures are affixed, and the TAS is resubmitted.

After final approval for program requirements and cost effectiveness, the customer is authorized to proceed with implementing the project. Program staff will monitor progress and offer advice if this is needed and it is feasible for program staff to provide this assistance.

### *Calculating Custom, RCx and New Construction Energy and Demand Savings*

The energy and demand savings equations used in these programs can be found in the on-line TRM.

## Custom Program Measures

The Business Custom Incentive Program provides energy efficiency expertise, services, and financial incentives to encourage nonresidential customers to install energy efficient processes and/or equipment that lie outside the Standard program's pre-defined energy efficiency measures and/or guidelines savings. These custom projects are complex and always unique requiring detailed savings calculations to arrive at the appropriate custom incentive level.

The methodology for calculation of energy savings is described in the Custom, Retro-commissioning and New Construction Program Measure Analysis Methodology section.

The following is a listing of the Business Custom Measures extracted from iTRL.

# Ameren Missouri Measure Listing for MEEIA Cycle 2016-18

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Custom Measure: Biz Custom** | | | | | | | | |
| 1169 | Jan 2, 2013 | | variable based on parameters | | variable based on parameters | variable based on parameters | | |

## Retro-commissioning Program Measures

The Business Retro-Commissioning Program will deliver energy savings by helping facilities benchmark existing system performance levels, identify operating system performance optimization improvements, and where applicable, provide financial incentives to assist with the implementation of the recommended efficiency improvements.

The measures are associated with efficiency opportunities with existing mechanical, electrical and thermal systems in nonresidential buildings by providing options for retrofitting equipment that is inefficient and outdated. This program also assists occupants in improving their operation and maintenance practices via compressed air, Building Automation System (BAS), lighting and process system upgrades.

The methodology for calculation of energy savings is described in the Custom, Retro-commissioning and New Construction Program Measure Analysis Methodology section.

The program is listed separately because incentive levels could be different.

The following is a listing of the Business Retro-Commissioning Measures extracted from iTRL.

# Ameren Missouri Retro-Commissioning Measures for MEEIA Cycle 2016-18

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **Retro commissioning: Biz RCx** | | | | | | | | |
| 1191 | Jan 2, 2013 | | variable based on parameters | | variable based on parameters | variable based on parameters | | |

## New Construction Program Measures

The primary goal of this Program is to capture energy savings available in new building construction, major renovations, or tenant build-outs to existing business facilities.

It is important to offer the building community multiple options for their specific projects. The program will accommodate any phase of construction when Program incentives can drive incremental cost effective energy efficiency improvements.

The Program offers financial incentives to encourage building owners/developers and their design/construction team to exceed standard building practices to achieve efficiency, above and beyond, the current building energy code requirements. There are four types of energy efficiency incentives that New Construction Projects can receive through participation in this program.

- **Whole Building Performance Incentives** provide cash incentives to encourage holistic energy efficient building design and construction.
- **Standard Incentives** are available for common, proven energy efficiency measures. These measures have been evaluated and the energy savings/value have been pre-determined.
- **Installed Interior Lighting Incentives** are based upon the efficiency of the installed interior lighting system relative to the baseline lighting power density as defined within ASHARAE 90.1.
- **Custom Incentives** are available for all other energy efficiency measures which are determined to be cost-effective and meet all standards required by the Business Program.

These projects typically require substantial analytic rigor to identifying project savings based on local codes and standards and builder's normal practices and costs.

The methodology for calculation of energy savings is described in the Custom, Retro-commissioning and New Construction Program Measure Analysis Methodology section.

The following is a listing of all the Business New Construction Measures extracted from iTRL.

# Ameren Missouri New Construction Measure for MEEIA Cycle 2016-18

| Measure Reference No. | Start Date | End Date | Incremental Cost | Cost Unit | Gross Annual Demand Reduction (kW) | Gross Annual Electric Savings (kWh) | Savings Unit | Measure Life |
|---|---|---|---|---|---|---|---|---|
| **New Construction: Biz New Construction** | | | | | | | | |
| 3000 | Jan 2, 2013 | | variable based on parameters | | variable based on parameters | variable based on parameters | | |