

Overview:

The IESO Prescriptive Measures and Assumptions List (“MAL”) is the collection of electricity conservation measures in current Save on Energy programs, which present deemed energy and demand savings using prescriptive input assumptions (PIAs). It provides best available information and consistent conservation program assumptions needed to estimate potential gross energy and demand savings which may, in turn, serve as the basis for the design, implementation, and evaluation of conservation and demand side management programs.

Purpose and Scope:

Information presented in the MAL is derived and gathered from various sources ranging from previous evaluation studies involving engineering calculations to in-situ (in its original place) metering studies. Data may also be based on studies undertaken in jurisdictions outside Ontario and updated to reflect Ontario conditions.

In addition to gross demand and energy savings, the MAL also includes other useful information about each measure, including effective useful life, and estimated incremental life cycle cost.

This excel version of the Prescriptive Measures and Assumptions List is a revised and updated version of the 2018 Prescriptive Measures and Assumptions List.

- Business input assumptions for Retrofit are updated to include the changes made to the prescriptive lighting measures.

- Consumer input assumptions for Instant Discount, HVAC and HAP programs are updated to incorporate the findings and recommendations of 2017 Save on Energy Residential Province Wide Program Evaluation, the changes to the programs and additional IESO research.

Updating the Prescriptive Measures and Assumptions List

Measure-level assumptions are reviewed on an annual basis or as new information becomes available. The IESO has adopted an open, transparent, and flexible approach for reviewing and maintaining its Measures and Assumptions List. Stakeholders may submit new measures or measure revisions to the IESO for considerations.

Full substantiation of individual measures listed in this MAL can be requested by sending an e-mail to Idc.support@ieso.ca.

The IESO Prescriptive Measures and Assumptions List (“MAL”) is provided solely for informational purposes and based on information currently available to the Independent Electricity System Operator (“IESO”). The IESO expressly disclaims any responsibility or liability for any other use of the information in the MAL or any methods or equipment described. In particular, the information in the MAL is not meant to be relied on to determine or project actual electricity or cost savings, or to calculate progress towards conservation and demand management targets set by the Ontario Energy Board. The IESO does not warrant the accuracy, reliability, completeness or timeliness of any of the information contained in the MAL, including any third party information, and undertakes no obligation to revise or update the MAL. Users of the MAL rely on the information contained therein at their own risk and remain responsible for seeking appropriate legal, technical or other professional advice with regard to their particular circumstances. The IESO and its respective officers, directors, employees, consultants, agents and subcontractors assume no liability or responsibility whatsoever to any person for damages of whatever kind and nature, which may occur or be suffered as a result of the use of the MAL or reliance on the information therein.

How to Use this Workbook:

This workbook contains energy conservation measures found under two tabs: **Measures - Consumer** and **Measures - Business**.

Below is an explanation of the column headings used in the Worksheet.

| Column Heading | Description |
|----------------------------------|---|
| Sector | Indicates whether the conservation measure is applicable for the Consumer or Business sector. |
| Program | Shows the name of the Save on Energy Programs. |
| End-Use | Shows the general application of the conservation measure (e.g. lighting, space cooling, water heating, etc.). |
| Conservation Measure | This is the high efficiency measure that usually involves the installation of equipment or technology that is considered more energy efficient than existing base case installations. |
| Measure Description | Describes the energy efficient measure by indicating different sizes, capacities, types and efficiency levels available in the market. |
| Base Measure | Indicates the equipment or technology to be replaced or describes the baseline scenario. |
| Assumed Annual Operating Hours | Indicates the assumed annual operating hours for the estimation of energy savings. |
| Base Case kW | Shows the assumed connected demand wattage of the base case measure. |
| Base Case kWh | Indicates the assumed energy consumption of the base case measure. In general, this is estimated from the assumed wattage and annual operating hours. |
| Conservation Case kW | Shows the assumed connected demand wattage of the energy efficient measure. |
| Conservation Case kWh | Indicates the assumed energy consumption of the energy efficient measure. In general, this is estimated from the assumed wattage and annual operating hours. |
| First Year Demand Savings (kW) | Indicates the difference in connected demand wattages of the base and efficient measures over a one year period. |
| First Year Energy Savings (kWh) | Indicates the difference in energy consumption of the base and efficient measures over a one year period. |
| Summer Peak Demand Savings (kW) | Indicates the demand savings occurring during summer peak from 1:00 pm to 7:00 pm, Monday to Friday, June, July and August. |
| Effective Useful Life (Year) | Shows the assumed effective useful life of the measure. For lighting, this is estimated based on the effective useful life of lamps and/or ballasts and the annual operating hours. |
| End Use Load Profile | Indicates the time-of-use pattern of equipment energy use over a year (8760 hours). |
| Incremental Life Cycle Cost (\$) | Indicates the price differential between the energy efficient measure and baseline measure over the measure's lifetime. |

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| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEAR) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|-------------------------------|--|--|--|---|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|---|----------------------------------|
| Consumer | Home Assistance Program (HAP) | Controls for Space Cooling and Heating - Residential | PROGRAMMABLE THERMOSTAT | Baseboard Heaters | Non-programmable thermostats installed on baseboard heaters | - | - | - | - | - | - | 122.2 | 0.000 | 11 | PSP-Consumer-Residential-Space_Heating_Room | \$85.00 |
| Consumer | Home Assistance Program (HAP) | Controls for Space Cooling and Heating - Residential | PROGRAMMABLE THERMOSTAT | Electric Forced-Air Heating | Non-programmable thermostat | - | - | - | - | - | - | 1321.4 | 0.000 | 11 | PSP-Consumer-Residential-Forced_Air_Central_Heating | \$85.00 |
| Consumer | Home Assistance Program (HAP) | Household Appliances | ENERGY STAR® FREEZER | Freezer Replacement (ENERGY STAR Qualified 12-14.4 cu ft) | Standard Freezer | - | 0.056 | 492.4 | 0.044 | 387.6 | 0.012 | 104.9 | 0.014 | 11 | PSP-Consumer-Residential-Refrigerators | \$261.00 |
| Consumer | Home Assistance Program (HAP) | Household Appliances | ENERGY STAR® FREEZER | Freezer Replacement (ENERGY STAR Qualified 14.5 - 16.0 cu ft) | Standard Freezer | - | 0.056 | 490.1 | 0.044 | 387.1 | 0.012 | 103.0 | 0.014 | 11 | PSP-Consumer-Residential-Refrigerators | \$286.00 |
| Consumer | Home Assistance Program (HAP) | Household Appliances | ENERGY STAR® REFRIGERATOR | Refrigerator Replacement (ENERGY STAR Qualified 15.5 - 16.9 cu ft) | Standard Refrigerator | - | 0.069 | 606.8 | 0.046 | 401.7 | 0.023 | 205.0 | 0.027 | 12 | PSP-Consumer-Residential-Refrigerators | \$650.00 |
| Consumer | Home Assistance Program (HAP) | Household Appliances | ENERGY STAR® REFRIGERATOR | Refrigerator Replacement (ENERGY STAR Qualified 17.0 - 18.4 cu ft) | Standard Refrigerator | - | 0.070 | 610.1 | 0.045 | 391.3 | 0.025 | 218.0 | 0.029 | 12 | PSP-Consumer-Residential-Refrigerators | \$650.00 |
| Consumer | Home Assistance Program (HAP) | Household Appliances | REFRIGERATOR REPLACEMENT | Refrigerator Replacement (10.0 - 12.5 cu ft) | Standard Refrigerator | - | 0.058 | 511.8 | 0.038 | 331.2 | 0.021 | 180.0 | 0.024 | 12 | PSP-Consumer-Residential-Refrigerators | \$650.00 |
| Consumer | Home Assistance Program (HAP) | Lighting | ≤11W ENERGY STAR® Qualified LED A Shape (60W) (minimum 600 Lumen output) (Formerly: 7W – 11W ENERGY STAR® Qualified LED A Shape) | ≤11W ENERGY STAR® Qualified LED A Shape (60W) (minimum 600 Lumen output) (Formerly: 7W – 11W ENERGY STAR® Qualified LED A Shape) | Mixture of incandescent and halogen bulbs based on lumen equivalence. | 1095 | 0.053 | 58.0 | 0.009 | 10.3 | 0.044 | 47.7 | 0.003 | 15 | PSP-Consumer-Residential-Lighting | \$10.00 |
| Consumer | Home Assistance Program (HAP) | Lighting | ≤11W ENERGY STAR® Qualified LED MR 16 (minimum 400 Lumen output) (Formerly: 7W – 12W ENERGY STAR® Qualified LED MR 16 GU 5.3 Base) | ≤11W ENERGY STAR® Qualified LED MR 16 (minimum 400 Lumen output) (Formerly: 7W – 12W ENERGY STAR® Qualified LED MR 16 GU 5.3 Base) | Mixture of incandescent and halogen bulbs based on lumen equivalence. | 1095 | 0.040 | 43.8 | 0.007 | 8.1 | 0.033 | 35.7 | 0.002 | 15 | PSP-Consumer-Residential-Lighting | \$25.00 |
| Consumer | Home Assistance Program (HAP) | Lighting | ≤14W ENERGY STAR® Qualified LED A Shape (75W) (minimum 800 Lumen output) (Formerly: 10W – 14W ENERGY STAR® Qualified LED A Shape) | ≤14W ENERGY STAR® Qualified LED A Shape (75W) (minimum 800 Lumen output) (Formerly: 10W – 14W ENERGY STAR® Qualified LED A Shape) | Mixture of incandescent and halogen bulbs based on lumen equivalence. | 1095 | 0.053 | 58.0 | 0.010 | 10.7 | 0.043 | 47.4 | 0.003 | 15 | PSP-Consumer-Residential-Lighting | \$14.00 |
| Consumer | Home Assistance Program (HAP) | Lighting | ≤16W ENERGY STAR® Qualified LED PAR 20 (minimum 600 Lumen output) (Formerly: 8W – 12W ENERGY STAR® Qualified LED PAR 20) | ≤16W ENERGY STAR® Qualified LED PAR 20 (minimum 600 Lumen output) (Formerly: 8W – 12W ENERGY STAR® Qualified LED PAR 20) | Mixture of incandescent and halogen bulbs based on lumen equivalence. | 1095 | 0.050 | 54.8 | 0.008 | 8.8 | 0.042 | 45.9 | 0.003 | 15 | PSP-Consumer-Residential-Lighting | \$28.00 |
| Consumer | Home Assistance Program (HAP) | Lighting | ≤16W ENERGY STAR® Qualified LED PAR30 & PAR38 (minimum 600 Lumen output) (Formerly: 8W – 12W ENERGY STAR® Qualified LED PAR 30) | ≤16W ENERGY STAR® Qualified LED PAR30 & PAR38 (minimum 600 Lumen output) (Formerly: 8W – 12W ENERGY STAR® Qualified LED PAR 30) | Mixture of incandescent and halogen bulbs based on lumen equivalence. | 1095 | 0.065 | 71.2 | 0.014 | 14.8 | 0.051 | 56.4 | 0.004 | 15 | PSP-Consumer-Residential-Lighting | \$35.00 |
| Consumer | Home Assistance Program (HAP) | Lighting | ≤23W ENERGY STAR® Qualified LED A Shape (100W) (minimum 1600 Lumen output) (Formerly: 17W – 23W ENERGY STAR® Qualified LED A Shape) | ≤23W ENERGY STAR® Qualified LED A Shape (100W) (minimum 1600 Lumen output) (Formerly: 17W – 23W ENERGY STAR® Qualified LED A Shape) | Mixture of incandescent and halogen bulbs based on lumen equivalence. | 1095 | 0.072 | 78.8 | 0.016 | 17.5 | 0.056 | 61.3 | 0.004 | 15 | PSP-Consumer-Residential-Lighting | \$25.00 |
| Consumer | Home Assistance Program (HAP) | Lighting | ≤23W ENERGY STAR® Qualified LED PAR (minimum 1100 Lumen output) (Formerly: 14W – 18W ENERGY STAR® Qualified LED PAR 38) | ≤23W ENERGY STAR® Qualified LED PAR (minimum 1100 Lumen output) (Formerly: 14W – 18W ENERGY STAR® Qualified LED PAR 38) | Mixture of incandescent and halogen bulbs based on lumen equivalence. | 1095 | 0.065 | 71.2 | 0.017 | 18.4 | 0.048 | 52.8 | 0.004 | 15 | PSP-Consumer-Residential-Lighting | \$38.00 |
| Consumer | Home Assistance Program (HAP) | Lighting | ≤6W ENERGY STAR® Qualified LED MR 16 / PAR 16 (minimum 250 Lumen output) (Formerly: 7W – 10W ENERGY STAR® Qualified LED MR 16 / PAR 16 - GU 10 Base) | ≤6W ENERGY STAR® Qualified LED MR 16 / PAR 16 (minimum 250 Lumen output) (Formerly: 7W – 10W ENERGY STAR® Qualified LED MR 16 / PAR 16 - GU 10 Base) | Mixture of incandescent and halogen bulbs based on lumen equivalence. | 1095 | 0.040 | 43.8 | 0.006 | 6.1 | 0.034 | 37.7 | 0.003 | 15 | PSP-Consumer-Residential-Lighting | \$25.00 |
| Consumer | Home Assistance Program (HAP) | Lighting | ENERGY STAR® LED Wet Location Rated PAR lamp ≤ 23 Watt (minimum 1100 Lumen output) | ENERGY STAR® LED Wet Location Rated PAR lamp ≤ 23 Watt (minimum 1100 Lumen output) | Mixture of incandescent and halogen bulbs based on lumen equivalence. | 1095 | 0.065 | 71.2 | 0.016 | 18.0 | 0.049 | 53.2 | 0.004 | 15 | PSP-Consumer-Residential-Lighting | \$45.00 |
| Consumer | Home Assistance Program (HAP) | Lighting | LED Downlight with Light Output >600 and <800 lumens (Retrofit Measure List) | LED Downlight with Light Output >600 and <800 lumens (Retrofit Measure List) | Mixture of incandescent and halogen bulbs based on lumen equivalence. | 1095 | 0.066 | 72.1 | 0.009 | 10.4 | 0.056 | 61.7 | 0.004 | 15 | PSP-Consumer-Residential-Lighting | \$75.00 |
| Consumer | Home Assistance Program (HAP) | Lighting | LED Downlight with Light Output >800 lumens (Retrofit Measure List) | LED Downlight with Light Output >800 lumens (Retrofit Measure List) | Mixture of incandescent and halogen bulbs based on lumen equivalence. | 1095 | 0.096 | 105.6 | 0.015 | 16.9 | 0.081 | 88.7 | 0.006 | 15 | PSP-Consumer-Residential-Lighting | \$98.00 |
| Consumer | Home Assistance Program (HAP) | Miscellaneous | Indoor Clothes Drying Rack, Retractable Clotheslines or Drying Rack | Indoor Clothes Drying Rack, Retractable Clotheslines or Drying Rack (replacing 50 loads of dryer per year) | Clothes Dryer (141 171 loads/yr) | - | - | 314.0 | - | 217.0 | - | 97.0 | 0.065 | 10 | PSP-Consumer-Residential-Clothes_Drying_Rack | \$21.00 |
| Consumer | Home Assistance Program (HAP) | Miscellaneous | HEAVY DUTY PLUG-IN TIMERS | Car Block Heater Timer | No timer on the car block heater | - | 0.511 | 377.3 | 0.511 | 138.2 | - | 239.1 | 0.000 | 15 | PSP-Consumer-Residential-Car_Block_Heater | \$22.00 |
| Consumer | Home Assistance Program (HAP) | Miscellaneous | POWER BAR WITH INTEGRATED TIMER or AUTO SHUT-OFF | Power Bar with Integrated Timer or Auto Shut-off | No Power Bar | - | - | 36.0 | - | 32.4 | - | 3.6 | 0.000 | 10 | PSP-Consumer-Residential-Power_Bar | \$10.00 |
| Consumer | Home Assistance Program (HAP) | Miscellaneous | EFFICIENT AERATORS | Bathroom - Flow Rate ≤ 3.8 L/min | Aerator with Flow Rate = 8.3 L/min | - | - | 90.3 | - | 41.0 | - | 49.2 | 0.005 | 10 | PSP-Consumer-Residential-Domestic_Hot_Water | \$11.00 |
| Consumer | Home Assistance Program (HAP) | Miscellaneous | EFFICIENT AERATORS | Kitchen - Flow Rate ≤ 5.7 L/min | Aerator with Flow Rate = 8.3 L/min | - | - | 394.3 | - | 268.9 | - | 125.5 | 0.012 | 10 | PSP-Consumer-Residential-Domestic_Hot_Water | \$15.00 |
| Consumer | Home Assistance Program (HAP) | Miscellaneous | EFFICIENT SHOWERHEAD (HANDHELD) | Flow Rate < 4.8 L/min | Showerhead with Flow Rate = 7.57 L/min | - | - | 623.2 | - | 389.5 | - | 233.7 | 0.023 | 10 | PSP-Consumer-Residential-Domestic_Hot_Water | \$15.00 |
| Consumer | Home Assistance Program (HAP) | Miscellaneous | EFFICIENT SHOWERHEAD (STANDARD) | Flow Rate < 4.8 L/min | Showerhead with Flow Rate = 7.57 L/min | - | - | 623.2 | - | 389.5 | - | 233.7 | 0.023 | 10 | PSP-Consumer-Residential-Domestic_Hot_Water | \$15.00 |
| Consumer | Home Assistance Program (HAP) | Space Cooling and Heating | ENERGY STAR® DEHUMIDIFIER | Dehumidifier Replacement (ENERGY STAR Qualified 14.2 - 21.2 L/day) | Non-Energy Star® Dehumidifier | - | 0.518 | 844.6 | 0.369 | 601.8 | 0.149 | 242.8 | 0.078 | 12 | PSP-Consumer-Residential-Dehumidifiers | \$224.00 |
| Consumer | Home Assistance Program (HAP) | Space Cooling and Heating | ENERGY STAR® DEHUMIDIFIER | Dehumidifier Replacement (ENERGY STAR Qualified 21.3 - 25.4 L/day) | Non-Energy Star® Dehumidifier | - | 0.608 | 992.4 | 0.486 | 793.9 | 0.122 | 198.5 | 0.064 | 12 | PSP-Consumer-Residential-Dehumidifiers | \$286.00 |
| Consumer | Home Assistance Program (HAP) | Space Cooling and Heating | ENERGY STAR® DEHUMIDIFIER | Dehumidifier Replacement (ENERGY STAR Qualified 25.5 - 35.5 L/day) | Non-Energy Star® Dehumidifier | - | 0.748 | 1220.0 | 0.635 | 1037.0 | 0.112 | 183.0 | 0.059 | 12 | PSP-Consumer-Residential-Dehumidifiers | \$261.00 |
| Consumer | Home Assistance Program (HAP) | Space Cooling and Heating | ENERGY STAR® ROOM AIR CONDITIONER | Room Air Conditioner Replacement (ENERGY STAR Qualified 10,000 – 12,000 BTU/hr) | Non-Energy Star® Room Air Conditioner | - | 1.394 | 319.4 | 1.059 | 242.7 | 0.335 | 75.4 | 0.089 | 12 | PSP-Consumer-Residential-AC_Room | \$320.00 |
| Consumer | Home Assistance Program (HAP) | Space Cooling and Heating | ENERGY STAR® ROOM AIR CONDITIONER | Room Air Conditioner Replacement (ENERGY STAR Qualified 8,000 – 9,999 BTU/hr) | Non-Energy Star® Room Air Conditioner | - | 0.674 | 154.5 | 0.493 | 112.9 | 0.181 | 41.0 | 0.049 | 12 | PSP-Consumer-Residential-AC_Room | \$195.00 |
| Consumer | Home Assistance Program (HAP) | Space Cooling and Heating | ENERGY STAR® ROOM AIR CONDITIONER | Room Air Conditioner Replacement (ENERGY STAR Qualified 8,000 – 9,999 BTU/hr) | Non-Energy Star® Room Air Conditioner | - | 1.039 | 238.4 | 0.786 | 179.5 | 0.253 | 58.0 | 0.069 | 12 | PSP-Consumer-Residential-AC_Room | \$245.00 |
| Consumer | Home Assistance Program (HAP) | Water Heating - Residential | HOT WATER PIPE WRAP | Per 3' Pipe Wrap (1/2" Pipe) | No pipe insulation | 8760 | - | 61.8 | - | 13.7 | - | 48.1 | 0.005 | 15 | PSP-Consumer-Residential-Domestic_Hot_Water | \$11.20 |
| Consumer | Home Assistance Program (HAP) | Water Heating - Residential | HOT WATER PIPE WRAP | Per 3' Pipe Wrap (3/4" Pipe) | No pipe insulation | 8760 | - | 92.4 | - | 20.5 | - | 71.9 | 0.007 | 15 | PSP-Consumer-Residential-Domestic_Hot_Water | \$11.20 |
| Consumer | Home Assistance Program (HAP) | Water Heating - Residential | Water Heater Blanket | HOT WATER TANK WRAP | Electric hot water heater without insulation blanket | 8760 | - | 356.3 | - | 257.1 | - | 99.2 | 0.010 | 7 | PSP-Consumer-Residential-Domestic_Hot_Water | \$31.68 |
| Consumer | HVAC Program | Space Cooling and Heating | Furnace with ECM | Furnace with ECM_1 | No Furnace ECM w/ Heating and Ventilation | - | - | - | - | - | - | 732.3 | 0.042 | 20 | PSP-Consumer-Residential-Furnace_ECM_1 | \$960.00 |
| Consumer | HVAC Program | Space Cooling and Heating | Furnace with ECM | Furnace with ECM_2 | No Furnace ECM w/ Heating only | - | - | - | - | - | - | 732.3 | 0.001 | 20 | PSP-Consumer-Residential-Furnace_ECM_2 | \$960.00 |
| Consumer | HVAC Program | Space Cooling and Heating | Furnace with ECM | Furnace with ECM_3 | No Furnace ECM w/ Heating and Cooling | - | - | - | - | - | - | 732.3 | 0.409 | 20 | PSP-Consumer-Residential-Furnace_ECM_3 | \$960.00 |
| Consumer | HVAC Program | Space Cooling and Heating | ECM with ASHP | ECM with ASHP | ASH with no ECM | - | - | - | - | - | - | 210.3 | 0.118 | 20 | PSP-Consumer-Residential-Furnace_ECM_3 | \$960.00 |
| Consumer | HVAC Program | Space Cooling and Heating | SEER 18 CAC | SEER 18 CAC | Seer 14 | 282 | 1.840 | 517.3 | 1.370 | 385.2 | 0.470 | 132.1 | 0.180 | 18 | PSP-Consumer-Residential-AC_Central | \$3,060.00 |

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| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEAR) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|------------------------------|--|--|---|--|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--|----------------------------------|
| Consumer | HVAC Program | Space Cooling and Heating | SMART THERMOSTAT | SMART THERMOSTAT for electric heating and cooling control | Blended conventional and programmable thermostat | - | - | - | - | - | - | 838.7 | 0.046 | 10 | PSP-Consumer-Residential-AC_Central/Forced_Air_Central Heating | \$125.00 |
| Consumer | HVAC Program | Space Cooling and Heating | ASHP | Ductless ASHP w/baseline having Cooling | Electric heating w/AC | - | - | 5285.0 | - | 2444.0 | - | 2841.0 | 0.130 | 18 | PSP-Consumer-Residential-AC_Central/Forced_Air_Central Heating | \$2,025.00 |
| Consumer | HVAC Program | Space Cooling and Heating | ASHP | Cold-climate Ductless ASHP w/baseline having Cooling | Electric heating w/AC | - | - | 5540.0 | - | 2364.0 | - | 3176.0 | 0.148 | 18 | PSP-Consumer-Residential-AC_Central/Forced_Air_Central Heating | \$3,075.00 |
| Consumer | HVAC Program | Space Cooling and Heating | ASHP | Ducted ASHP w/baseline having Cooling | Electric heating w/AC | - | - | 8591.0 | - | 5643.0 | - | 2948.0 | 0.102 | 18 | PSP-Consumer-Residential-AC_Central/Forced_Air_Central Heating | \$400.00 |
| Consumer | HVAC Program | Space Cooling and Heating | ASHP | Cold-climate Duct ASHP w/baseline having Cooling | Electric heating w/AC | - | - | 8899.0 | - | 5005.0 | - | 3894.0 | 0.178 | 18 | PSP-Consumer-Residential-AC_Central/Forced_Air_Central Heating | \$4,900.00 |
| Consumer | HVAC Program | Space Cooling and Heating | ASHP | Ductless ASHP w/baseline having No Cooling | Electric heating w/o AC | - | - | 4914.0 | - | 2444.0 | - | 2364.0 | -0.285 | 18 | PSP-Consumer-Residential-AC_Central/Forced_Air_Central Heating | \$2,025.00 |
| Consumer | HVAC Program | Space Cooling and Heating | ASHP | Cold-climate Ductless ASHP w/baseline having No Cooling | Electric heating w/o AC | - | - | 5217.0 | - | 2364.0 | - | 2852.0 | -0.214 | 18 | PSP-Consumer-Residential-AC_Central/Forced_Air_Central Heating | \$3,075.00 |
| Consumer | HVAC Program | Space Cooling and Heating | ASHP | Ducted ASHP w/baseline having No Cooling | Electric heating w/o AC | - | - | 8010.0 | - | 5643.0 | - | 2367.0 | -0.549 | 18 | PSP-Consumer-Residential-AC_Central/Forced_Air_Central Heating | \$5,000.00 |
| Consumer | HVAC Program | Space Cooling and Heating | ASHP | Cold-climate Duct ASHP w/baseline having No Cooling | Electric heating w/o AC | - | - | 8235.0 | - | 5005.0 | - | 3230.0 | -0.566 | 18 | PSP-Consumer-Residential-AC_Central/Forced_Air_Central Heating | \$9,500.00 |
| Consumer | Instant Discount | Controls for Space Cooling and Heating | PROGRAMMABLE THERMOSTAT (BASEBOARD) | Per unit | Non-programmable thermostats | - | - | - | - | - | - | 113.4 | 0.000 | 11 | PSP-Consumer-Residential-Space_Heating_Room | \$29.27 |
| Consumer | Instant Discount | Lighting | ENERGY STAR® QUALIFIED LED BULBS - General Purpose LED | Per bulb | Baseline mix (incandescent/halogen, CFL, LED) | 1095 | 0.036 | 33.0 | 0.010 | 10.8 | 0.026 | 28.5 | 0.002 | 17 | PSP-Consumer-Residential-Lighting | -\$4.07 |
| Consumer | Instant Discount | Lighting | ENERGY STAR® QUALIFIED INDOOR LIGHT FIXTURE - Hard wired | Per Fixture | Baseline mix (incandescent and fluorescents) | 1095 | 0.075 | 81.8 | 0.018 | 20.2 | 0.056 | 61.6 | 0.004 | 16 | PSP-Consumer-Residential-Lighting | \$9.84 |
| Consumer | Instant Discount | Miscellaneous | Outdoor Clothesline Kit & Stand | Displacement of equivalent 172 loads per year | Clothes Dryer (280 loads/yr) | - | - | 530.0 | - | 206.0 | - | 324.0 | 0.217 | 10 | PSP-Consumer-Residential-Clothesline | \$116.00 |
| Consumer | Instant Discount | Miscellaneous | POWER BAR WITH INTEGRATED TIMER / AUTO SHUT-OFF | Per unit | No Power Bar or Power Bar without timer/auto shut-off | - | - | 36.0 | - | 32.4 | - | 3.6 | 0.000 | 10 | PSP-Consumer-Residential-Power_Bar | \$10.00 |
| Consumer | Instant Discount | Thermal Envelope | WEATHERSTRIPPING (DOOR FRAME) | Per Unit | Baseline Mix; no/Replaced/Added; Gas/Electric Heat; w/ or w/o AC | - | - | 3326.7 | - | 3298.6 | - | 28.1 | 0.000 | 10 | PSP-Consumer-Residential-Weatherstripping | \$17.96 |
| Consumer | Instant Discount | Thermal Envelope | WEATHERSTRIPPING (FOAM OR V-STRIP) | Per Unit | Baseline Mix; no/Replaced/Added; Gas/Electric Heat; w/ or w/o AC | - | - | 3360.0 | - | 3341.4 | - | 18.6 | 0.000 | 10 | PSP-Consumer-Residential-Weatherstripping | \$11.50 |
| Consumer | Instant Discount | Water Heating - Residential | WATER HEATER BLANKET | Per Unit | Mixed Baseline: No Water Heater Blanket | 8760 | - | 130.9 | - | 94.4 | - | 36.5 | 0.000 | 7 | PSP-Consumer-Residential-Water_Heater_Blanket | \$31.68 |
| Consumer | Instant Discount | Controls for Lighting | DIMMER SWITCH (HARD-WIRED) | Per unit | Mixed technology (single bulb) with a conventional On/Off switch for a ceiling fixture | - | - | 29.0 | 0.096 | 20.0 | - | 9.0 | 0.001 | 10 | PSP-Consumer-Residential-Lighting | \$28.84 |
| Consumer | Instant Discount | Controls for Lighting | HEAVY DUTY PLUG-IN TIMERS (Landscaping Pump, Outdoor and Holiday Lighting) | Per unit | Baseline Mix (landscaping pump, outdoor and holiday lighting) with no timer | - | - | 195.0 | - | 125.2 | - | 69.8 | 0.008 | 10 | PSP-Consumer-Residential-Holiday_Lighting_Timer | \$24.12 |
| Consumer | Instant Discount | Controls for Lighting | HEAVY DUTY PLUG-IN TIMERS (Car Block Heater, Pool Pump and Spa Pump) | Per unit | Baseline Mix (car block heater, pool pump and spa pump) with no timer | - | - | 1693.2 | - | 625.7 | - | 1067.5 | 0.248 | 10 | PSP-Consumer-Residential-Outdoor_Lighting_Timer | \$24.12 |
| Consumer | Instant Discount | Controls for Lighting | LIGHTING TIMERS (HARD-WIRED, INDOOR) | Per unit | Mixed technology (single bulb), conventional light fixtures with no control devices | - | - | 29.0 | - | 26.1 | - | 2.9 | 0.000 | 10 | PSP-Consumer-Residential-Lighting | \$25.37 |
| Consumer | Instant Discount | Controls for Lighting | MOTION SENSORS (HARD-WIRED, INDOOR) | Per unit | Mixed technology (single bulb), conventional light fixtures with no control devices | - | - | 29.0 | - | 19.4 | - | 9.7 | 0.001 | 10 | PSP-Consumer-Residential-Lighting | \$30.97 |
| Consumer | Instant Discount | Lighting | ENERGY STAR® QUALIFIED LED BULBS - SPECIALTY | Candle bulbs | Baseline mix (incandescent/halogen, CFL, LED) | 1095 | 0.030 | 33.0 | 0.004 | 4.7 | 0.026 | 28.4 | 0.002 | 13 | PSP-Consumer-Residential-Lighting | -\$9.90 |
| Consumer | Instant Discount | Lighting | ENERGY STAR® QUALIFIED LED BULBS - SPECIALTY | Flood/Reflector bulbs | Baseline mix (incandescent/halogen, CFL, LED) | 1095 | 0.040 | 44.3 | 0.007 | 7.6 | 0.034 | 36.7 | 0.003 | 15 | PSP-Consumer-Residential-Lighting | -\$22.29 |
| Consumer | Instant Discount | Lighting | ENERGY STAR® QUALIFIED LED BULBS - SPECIALTY | Globe bulbs | Baseline mix (incandescent/halogen, CFL, LED) | 1095 | 0.031 | 34.2 | 0.004 | 4.9 | 0.027 | 29.3 | 0.002 | 18 | PSP-Consumer-Residential-Lighting | -\$1.33 |
| Consumer | Instant Discount | Lighting | ENERGY STAR® CEILING FAN with Light Fixture | Per unit | Existing Ceiling Fan with Light Fixture | - | 0.142 | 83.1 | 0.067 | 58.1 | 0.075 | 25.0 | 0.002 | 10 | PSP-Consumer-Residential-Lighting | \$45.00 |
| Consumer | Instant Discount | Water Heating - Residential | HOT WATER PIPE WRAP | Per 3' Pipe Wrap (3/4" Pipe) | No pipe insulation | 8760 | - | 34.2 | - | 7.6 | - | 26.6 | 0.003 | 15 | PSP-Consumer-Residential-Domestic_Hot_Water | \$1.20 |
| Consumer | Instant Discount | Miscellaneous | Tier 1 Smart Power Strip | Per unit | Conventional power strip | - | - | 36.0 | - | 0.0 | - | 36.0 | 0.001 | 10 | PSP-Consumer-Residential-Power_Bar | \$33.50 |
| Consumer | Residential New Construction | Controls for Lighting | DIMMER SWITCH | Hard-Wired Dimmer | 2 x 60W Incandescent bulbs with a conventional On/Off switch for a ceiling fixture | 986 | 0.120 | 118.3 | 0.096 | 94.6 | 0.024 | 23.7 | 0.002 | 10 | PSP-Consumer-Residential-Lighting | \$13.00 |
| Consumer | Residential New Construction | Controls for Lighting | INDOOR LIGHTING TIMER | Indoor Lighting Timer | Conventional light fixtures with no control devices | - | 0.120 | 107.3 | 0.120 | 42.9 | 0.000 | 64.4 | 0.004 | 10 | PSP-Consumer-Residential-Lighting | \$19.50 |
| Consumer | Residential New Construction | Controls for Lighting | INDOOR MOTION SENSOR | Indoor Motion Sensor | Conventional light fixtures with no control devices | - | 0.120 | 77.7 | 0.120 | 35.8 | 0.000 | 42.0 | 0.002 | 10 | PSP-Consumer-Residential-Outdoor_Lighting_Timer | \$17.98 |
| Consumer | Residential New Construction | Controls for Lighting | OUTDOOR LIGHTING TIMER | Outdoor Lighting Timers | Conventional light fixtures with no control devices | - | 0.180 | 157.2 | 0.180 | 153.3 | 0.000 | 3.9 | 0.000 | 10 | PSP-Consumer-Residential-Lighting | \$34.00 |
| Consumer | Residential New Construction | Controls for Lighting | OUTDOOR MOTION SENSOR | Outdoor Motion Sensor | Wall-mounted 2 socket security/spotlight / typical one socket porch light fixture | - | - | 420.6 | - | 261.2 | - | 159.4 | 0.007 | 10 | PSP-Consumer-Residential-Outdoor_Lighting_Timer | \$34.00 |
| Consumer | Residential New Construction | Lighting | ENERGY STAR QUALIFIED LED | - | Compact Fluorescent Lamps | - | - | - | - | - | - | 21.5 | 0.001 | 17 | PSP-Consumer-Residential-Lighting | -\$4.97 |
| Consumer | Residential New Construction | Lighting | ENERGY STAR QUALIFIED LIGHT FIXTURE - 1 OR 2 SOCKETS | - | Incandescent Lamps | - | - | - | - | - | - | 14.8 | 0.001 | 16 | PSP-Consumer-Residential-Lighting | \$10.80 |
| Consumer | Residential New Construction | Lighting | ENERGY STAR QUALIFIED LIGHT FIXTURE - 3 OR MORE SOCKETS | - | Incandescent Lamps | - | - | - | - | - | - | 14.8 | 0.001 | 16 | PSP-Consumer-Residential-Lighting | \$47.80 |
| Consumer | Residential New Construction | Lighting | ENERGY STAR QUALIFIED RECESSED LIGHTING- LED | - | Compact Fluorescent Lamps | - | - | - | - | - | - | 42.9 | 0.001 | 10 | PSP-Consumer-Residential-Lighting | \$37.70 |
| Consumer | Residential New Construction | Lighting | ENERGY STAR QUALIFIED UNDER THE COUNTER LIGHTING | - | Incandescent Lamps | - | - | - | - | - | - | 42.9 | 0.001 | 10 | PSP-Consumer-Residential-Lighting | \$37.70 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEARS) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|--|--------------------|---|---|---|---------------------------------|--------------|---------------|----------------------|-----------------------|---|---------------------------------|---|-------------------------------|--|----------------------------------|
| Business | High-Performance New Construction (HPNC) | Agribusiness | SINGLE CREEP HEAT PAD | Up to 100 Watt maximum | 175 W Heat Lamp | 6900 | 0.175 | 1,207.5 | 0.080 | 552.0 | 0.095 | 655.5 | 0.050 | 10 | PSP-Business-Commercial-Single_Creep_Pad | -21.00 |
| Business | High-Performance New Construction (HPNC) | Agribusiness | DOUBLE CREEP HEAT PAD | Up to 200 Watt maximum | 2 - 175 W Heat Lamps | 6900 | 0.350 | 2,415.0 | 0.160 | 1,104.0 | 0.190 | 1,311.0 | 0.121 | 10 | PSP-Business-Commercial-Double_Creep_Pad | -162.17 |
| Business | High-Performance New Construction (HPNC) | Agribusiness | LOW ENERGY LIVESTOCK WATERERS | 300 W maximum | 1500 W (Max) electric heated Waterers | 1400 | 1.000 | 1,400.0 | 0.300 | 420.0 | 0.700 | 980.0 | 0.000 | 10 | PSP-Business-Commercial-Livestock_Waterer | 320.00 |
| Business | High-Performance New Construction (HPNC) | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Egg layers | Fans: 400W/1000 birds | 7008 | 0.400 | 2,803.2 | 0.000 | 0.0 | 0.400 | 2,803.2 | 0.404 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(non-dairy) | 0.00 |
| Business | High-Performance New Construction (HPNC) | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Chicken broilers | Fans: 340W 1000 birds | 7008 | 0.340 | 2,382.7 | 0.000 | 0.0 | 0.340 | 2,382.7 | 0.343 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(non-dairy) | 0.00 |
| Business | High-Performance New Construction (HPNC) | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Turkeys | Fans: 1,130W/1000 birds | 7008 | 1.130 | 7,919.0 | 0.000 | 0.0 | 1.130 | 7,919.0 | 1.141 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(non-dairy) | 0.00 |
| Business | High-Performance New Construction (HPNC) | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Swine - breeding & gestation | Fans: 17W/sow | 7008 | 0.015 | 105.1 | 0.000 | 0.0 | 0.015 | 105.1 | 0.015 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(non-dairy) | 0.00 |
| Business | High-Performance New Construction (HPNC) | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Swine - growing & finishing | Fans: 5W/market-weight hog | 7008 | 0.005 | 35.0 | 0.000 | 0.0 | 0.005 | 35.0 | 0.005 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(non-dairy) | 0.00 |
| Business | High-Performance New Construction (HPNC) | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Dairy -tie stall, year round housing | Fans: 35W/cow | 7008 | 0.035 | 245.3 | 0.000 | 0.0 | 0.035 | 245.3 | 0.000 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(dairy) | 0.00 |
| Business | High-Performance New Construction (HPNC) | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Greenhouse - Flowers | Fans: 1260W/1000 sq. meters | 7008 | 1.260 | 8,830.1 | 0.000 | 0.0 | 1.260 | 8,830.1 | 1.272 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(non-dairy) | 0.00 |
| Business | Retrofit | Agribusiness | SINGLE CREEP HEAT PAD | Up to 100 Watt maximum | 175 W Heat Lamp | 6900 | 0.175 | 1,207.5 | 0.080 | 552.0 | 0.095 | 655.5 | 0.050 | 10 | PSP-Business-Commercial-Single_Creep_Pad | 163.00 |
| Business | Retrofit | Agribusiness | DOUBLE CREEP HEAT PAD | Up to 200 Watt maximum | 2 - 175 W Heat Lamps | 6900 | 0.350 | 2,415.0 | 0.160 | 1,104.0 | 0.190 | 1,311.0 | 0.121 | 10 | PSP-Business-Commercial-Double_Creep_Pad | 185.00 |
| Business | Retrofit | Agribusiness | HIGH TEMPERATURE CUTOUT THERMOSTAT | Operating range 24 to 40 Celsius | Poorly Controlled Creep Heat Lamps | 6900 | 1.575 | 882.0 | 0.000 | 0.0 | 0.000 | 882.0 | 0.723 | 10 | PSP-Business-Commercial-HT_Cutout_Thermostat | 114.00 |
| Business | Retrofit | Agribusiness | CREEP HEAT CONTROLLER | For use in animal housing facilities | Poorly Controlled Creep Heat Lamps | 6900 | 4.463 | 30,794.7 | 3.481 | 24,018.9 | 0.982 | 6,775.8 | 0.773 | 15 | PSP-Business-Commercial-Creep_Heat_Controller | 400.00 |
| Business | Retrofit | Agribusiness | HIGH EFFICIENCY VENTILATION EXHAUST FANS | 18-20" Fan | Minimum fan grouping in category from BESS Laboratory ratings | 2804 | 0.475 | 1,331.9 | 0.380 | 1,065.5 | 0.095 | 266.4 | 0.078 | 10 | PSP-Business-Commercial-HE_Exhaust_Fans_>24" | 360.00 |
| Business | Retrofit | Agribusiness | HIGH EFFICIENCY VENTILATION EXHAUST FANS | 24" Fans | Minimum fan grouping in category from BESS Laboratory ratings | 2804 | 0.682 | 1,913.3 | 0.487 | 1,366.7 | 0.195 | 546.7 | 0.160 | 10 | PSP-Business-Commercial-HE_Exhaust_Fans_>24" | 400.00 |
| Business | Retrofit | Agribusiness | HIGH EFFICIENCY VENTILATION EXHAUST FANS | 36" Fans | Minimum fan grouping in category from BESS Laboratory ratings | 2804 | 0.900 | 2,523.6 | 0.667 | 1,869.3 | 0.233 | 654.3 | 0.325 | 10 | PSP-Business-Commercial-HE_Exhaust_Fans_>24" | 200.00 |
| Business | Retrofit | Agribusiness | HIGH EFFICIENCY VENTILATION EXHAUST FANS | > 48" Fans | Minimum fan grouping in category from BESS Laboratory ratings | 2804 | 1.307 | 3,663.9 | 1.114 | 3,122.6 | 0.193 | 541.3 | 0.269 | 10 | PSP-Business-Commercial-HE_Exhaust_Fans_>24" | 650.00 |
| Business | Retrofit | Agribusiness | HIGH VOLUME LOW SPEED FAN | ≥10 ft to <11 ft, 1 hp | 2 units Box fan, 1 hp | 2900 | 1.808 | 5,244.6 | 0.904 | 2,622.3 | 0.904 | 2,622.3 | 0.896 | 15 | PSP-Business-Commercial-HVLS | 3,100.00 |
| Business | Retrofit | Agribusiness | HIGH VOLUME LOW SPEED FAN | ≥11 ft to <19 ft, 1.5 hp | 4 units Box fan, 1 hp | 2900 | 3.617 | 10,489.2 | 1.356 | 3,933.5 | 2.261 | 6,555.8 | 2.239 | 15 | PSP-Business-Commercial-HVLS | 1,200.00 |
| Business | Retrofit | Agribusiness | HIGH VOLUME LOW SPEED FAN | ≥19 ft to <25 ft, 2 hp | 4 units Box fan, 1 hp | 2900 | 3.617 | 10,489.2 | 1.808 | 5,244.6 | 1.808 | 5,244.6 | 1.791 | 15 | PSP-Business-Commercial-HVLS | 1,550.00 |
| Business | Retrofit | Agribusiness | LOW ENERGY LIVESTOCK WATERERS | 300 W maximum | 1500 W (Max) electric heated Waterers | 2294 | 1.000 | 2,294.0 | 0.250 | 573.5 | 0.750 | 1,720.5 | 0.000 | 10 | PSP-Business-Commercial-Livestock_Waterer | 420.00 |
| Business | Retrofit | Agribusiness | PHOTOCELL AND TIMER FOR LIGHTING CONTROL | 250 W Metal Halide (Assume 4 Lamps per Photocell) | | 6570 | 1.100 | 7,227.0 | 1.100 | 3,842.0 | 0.000 | 1,735.0 | 0.325 | 8 | PSP-Business-Commercial-Timer_Photocell | 250.00 |
| Business | Retrofit | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Egg layers | Fans: 400W/1000 birds | 5475 Base Case 2447 Conserv. | 0.400 | 2,190.0 | 0.179 | 438.0 | 0.221 | 1,752.0 | 0.252 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(non-dairy) | 18,000.00 |
| Business | Retrofit | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Chicken broilers | Fans: 340W 1000 birds | 3090 Base Case 1341 Conserv. | 0.340 | 1,020.0 | 0.152 | 203.8 | 0.188 | 816.2 | 0.118 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(non-dairy) | 27,000.00 |
| Business | Retrofit | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Turkeys | Fans: 1,130W/1000 birds | 6971 Base Case 3116 Conserv. | 1.130 | 7,877.2 | 0.505 | 1,573.6 | 0.625 | 6,303.7 | 0.908 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(non-dairy) | 15,000.00 |
| Business | Retrofit | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Swine - breeding & gestation | Fans: 17W/sow | 5864 Base Case 2621 Conserv. | 0.015 | 88.0 | 0.008 | 21.0 | 0.007 | 67.0 | 0.010 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(non-dairy) | 5,500.00 |
| Business | Retrofit | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Swine - growing & finishing | Fans: 5W/market-weight hog | 8760 Base Case 3916 Conserv. | 0.005 | 43.8 | 0.002 | 7.8 | 0.003 | 36.0 | 0.005 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(non-dairy) | 15,000.00 |
| Business | Retrofit | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Dairy -tie stall, year round housing | Fans: 35W/cow | 6548 Base Case 2927 Conserv. | 0.035 | 229.2 | 0.016 | 46.8 | 0.019 | 182.3 | 0.000 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(dairy) | 12,000.00 |
| Business | Retrofit | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Dairy -tie stall, outside in summer | 50% in barn; 50% on pasture | 5043 Base Case 2254 Conserv. | 0.035 | 176.5 | 0.016 | 36.1 | 0.019 | 140.4 | 0.000 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(dairy) | 12,000.00 |
| Business | Retrofit | Agribusiness | DUAL AND NATURAL EXHAUST VENTILATION SYSTEM | Greenhouse - Flowers | Fans: 1260W/1000 sq. meters | 8760 Base Case 3916 Conserv. | 1.260 | 11,037.6 | 0.563 | 2,204.7 | 0.697 | 8,832.9 | 1.273 | 15 | PSP-Business-Commercial-D&N_Exhaust_Fans_(non-dairy) | 10,250.00 |
| Business | Retrofit | Agribusiness | DAIRY PLATE COOLER | Plate cooler to pre-cool milk prior to refrigeration | No pre-cooling | - | - | - | - | - | 2.506 | 7,319.0 | 4.072 | 10 | PSP-Business-Commercial-Plate_Cooler | 2,875.00 |
| Business | Retrofit | Agribusiness | ENGINE BLOCK HEATER TIMER | Plug-in timer that operates the heater only when outdoor temp drops below -3.8C | Manual plug in block heater | - | - | - | - | - | 0.990 | 632.4 | 0.000 | 5 | PSP-Business-Commercial_Engine_Block_Heater_Timer | 40.00 |
| Business | Retrofit | Agribusiness | DAIRY ENERGY STAR WATER HEATER | Energy Star electric hot water heater | Standard electric hot water heater | 8760 | 7.210 | 63,119.0 | 6.630 | 58,043.0 | 0.579 | 5,076.0 | 2.824 | 12 | PSP-Business-Commercial_Dairy_Water_Heater | 209.00 |
| Business | Retrofit | Agribusiness | MILK SCROLL COMPRESSOR | New scroll compressor for milk cooling | Old Reciprocating compressor | 2920 | 5.060 | 14,761.0 | 2.460 | 7,196.0 | 2.600 | 7,565.0 | 4.209 | 15 | PSP-Business-Commercial_Dairy_Milk_Scroll_Compressor | 656.55 |
| Business | Retrofit | Agribusiness | SOLAR HOT WATER COLLECTOR FOR DAIRY FARMS | Solar hot water collector to be used with electric hot water heater | Standard electric hot water heater | - | - | - | - | - | 0.082 kW/m ² * total collector area m ² | 721*total collector area | 0.0003121492059435489 * First Year Energy Savings | 15 | PSP-Business-Commercial-Domestic_Hot_Water | 9,506.00 |
| Business | Retrofit | Building Plug Load | ENERGY STAR® ICE MACHINES | Ice Making Head <204 kg/day ice | Standard ice machines | 8760 | 0.578 | 5,062.7 | 0.522 | 4,568.9 | 0.056 | 493.72 | 0.057 | 8 | PSP-Business-Commercial-Other_Plug_Loads | 200.00 |
| Business | Retrofit | Building Plug Load | ENERGY STAR® ICE MACHINES | Ice Making Head ≥204 kg/day ice | Standard ice machines | 8760 | 1.325 | 11,602.6 | 1.187 | 10,401.3 | 0.137 | 1,201.29 | 0.139 | 8 | PSP-Business-Commercial-Other_Plug_Loads | 300.00 |
| Business | Retrofit | Building Plug Load | ENERGY STAR® ICE MACHINES | Remote Condensing Unit (w/o Remote Compressor) <454 kg/day ice | Standard ice machines | 8760 | 1.032 | 9,042.3 | 0.932 | 8,165.3 | 0.100 | 877.05 | 0.102 | 8 | PSP-Business-Commercial-Other_Plug_Loads | 500.00 |
| Business | Retrofit | Building Plug Load | ENERGY STAR® ICE MACHINES | Remote Condensing Unit (w/o Remote Compressor) ≥454 kg/day ice | Standard ice machines | 8760 | 2.336 | 20,464.8 | 2.121 | 18,583.6 | 0.215 | 1,881.12 | 0.218 | 8 | PSP-Business-Commercial-Other_Plug_Loads | 250.00 |
| Business | Retrofit | Building Plug Load | ENERGY STAR® ICE MACHINES | Remote Condensing Unit (with Remote Compressor) <423 kg/day ice | Standard ice machines | 8760 | 1.002 | 8,774.8 | 0.874 | 7,656.1 | 0.128 | 1,118.79 | 0.130 | 8 | PSP-Business-Commercial-Other_Plug_Loads | 300.00 |
| Business | Retrofit | Building Plug Load | ENERGY STAR® ICE MACHINES | Remote Condensing Unit (with Remote Compressor) ≥423 kg/day ice | Standard ice machines | 8760 | 1.737 | 15,216.3 | 1.576 | 13,809.0 | 0.161 | 1,407.31 | 0.163 | 8 | PSP-Business-Commercial-Other_Plug_Loads | 0.00 |
| Business | Retrofit | Building Plug Load | ENERGY STAR® ICE MACHINES | Self Contained Unit <79 kg/day ice | Standard ice machines | 8760 | 0.295 | 2,587.9 | 0.273 | 2,395.5 | 0.022 | 192.42 | 0.022 | 8 | PSP-Business-Commercial-Other_Plug_Loads | 100.00 |
| Business | Retrofit | Building Plug Load | ENERGY STAR® ICE MACHINES | Self Contained Unit ≥79 kg/day ice | Standard ice machines | 8760 | 0.534 | 4,674.2 | 0.495 | 4,336.5 | 0.039 | 337.78 | 0.039 | 8 | PSP-Business-Commercial-Other_Plug_Loads | 300.00 |
| Business | Retrofit | Building Plug Load | BEVERAGE VENDING MACHINE CONTROLS | Power Sensor &/or Occupancy Control for Refrigerated Vending Machine | Standard beverage vending machines | 8760 | - | - | - | - | - | 1,297.87 | 0.150 | 5 | PSP-Business-Commercial-Other_Plug_Loads | 297.00 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEAR) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|--------------------|--------------------------------------|------------------------------------|------------------------------------|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--|----------------------------------|
| Business | Retrofit | Computer | NETWORK PC POWER MANAGEMENT SOFTWARE | Centrally controlled desktop PC | No software installed | 8760 | 0.043 | 373.2 | 0.008 | 69.2 | 0.035 | 304.0 | 0.038 | 6 | PSP-Business-Commercial-Computer_Equipment | 15.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 1 HP, 1200 RPM, 83.5% | ODP Motor, 1 HP, 1200 RPM, 82.5% | 4942 | 0.678 | 3,351.6 | 0.670 | 3,311.4 | 0.008 | 40.1 | 0.005 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 25.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 1.5 HP, 1200 RPM, 87.5% | ODP Motor, 1.5 HP, 1200 RPM, 86.5% | 4942 | 0.970 | 4,794.9 | 0.959 | 4,740.1 | 0.011 | 54.8 | 0.007 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 100.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 2 HP, 1200 RPM, 88.5% | ODP Motor, 2 HP, 1200 RPM, 87.5% | 4942 | 1.279 | 6,320.1 | 1.264 | 6,248.7 | 0.015 | 71.4 | 0.009 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 50.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 3 HP, 1200 RPM, 89.5% | ODP Motor, 3 HP, 1200 RPM, 88.5% | 4942 | 1.897 | 9,373.1 | 1.875 | 9,268.3 | 0.021 | 104.7 | 0.013 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 50.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 5 HP, 1200 RPM, 90.5% | ODP Motor, 5 HP, 1200 RPM, 89.5% | 4942 | 3.126 | 15,447.2 | 3.091 | 15,276.5 | 0.035 | 170.7 | 0.021 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 150.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 7.5 HP, 1200 RPM, 91.2% | ODP Motor, 7.5 HP, 1200 RPM, 90.2% | 4942 | 4.652 | 22,991.0 | 4.601 | 22,738.9 | 0.051 | 252.1 | 0.031 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 224.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 10 HP, 1200 RPM, 92.7% | ODP Motor, 10 HP, 1200 RPM, 91.7% | 4942 | 6.101 | 30,153.2 | 6.036 | 29,827.9 | 0.066 | 325.3 | 0.040 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 15 HP, 1200 RPM, 92.7% | ODP Motor, 15 HP, 1200 RPM, 91.7% | 4942 | 9.152 | 45,229.8 | 9.053 | 44,741.9 | 0.099 | 487.9 | 0.059 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 150.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 20 HP, 1200 RPM, 93.4% | ODP Motor, 20 HP, 1200 RPM, 92.4% | 4942 | 12.110 | 59,849.6 | 11.981 | 59,208.8 | 0.130 | 640.8 | 0.078 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 300.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 25 HP, 1200 RPM, 94% | ODP Motor, 25 HP, 1200 RPM, 93% | 4942 | 15.040 | 74,329.3 | 14.880 | 73,538.5 | 0.160 | 790.7 | 0.096 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 30 HP, 1200 RPM, 94.6% | ODP Motor, 30 HP, 1200 RPM, 93.6% | 4942 | 17.933 | 88,623.4 | 17.743 | 87,686.5 | 0.190 | 936.8 | 0.114 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 40 HP, 1200 RPM, 95.1% | ODP Motor, 40 HP, 1200 RPM, 94.1% | 4942 | 23.783 | 117,536.6 | 23.533 | 116,300.7 | 0.250 | 1,235.9 | 0.150 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 450.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 50 HP, 1200 RPM, 95.1% | ODP Motor, 50 HP, 1200 RPM, 94.1% | 4942 | 29.729 | 146,920.8 | 29.416 | 145,375.9 | 0.313 | 1,544.9 | 0.188 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 60 HP, 1200 RPM, 95.5% | ODP Motor, 60 HP, 1200 RPM, 94.5% | 4942 | 35.524 | 175,558.7 | 35.152 | 173,720.4 | 0.372 | 1,838.3 | 0.223 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 75 HP, 1200 RPM, 95.5% | ODP Motor, 75 HP, 1200 RPM, 94.5% | 4942 | 44.405 | 219,448.3 | 43.940 | 217,150.5 | 0.465 | 2,297.9 | 0.279 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,050.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 100 HP, 1200 RPM, 96% | ODP Motor, 100 HP, 1200 RPM, 95% | 4942 | 58.895 | 291,057.8 | 58.281 | 288,025.9 | 0.613 | 3,031.8 | 0.368 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,500.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 125 HP, 1200 RPM, 96% | ODP Motor, 125 HP, 1200 RPM, 95% | 4942 | 73.618 | 363,822.2 | 72.852 | 360,032.4 | 0.767 | 3,789.8 | 0.461 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 150 HP, 1200 RPM, 96.4% | ODP Motor, 150 HP, 1200 RPM, 95.4% | 4942 | 87.972 | 434,756.1 | 87.059 | 430,246.2 | 0.913 | 4,509.9 | 0.548 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 750.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 200 HP, 1200 RPM, 96.4% | ODP Motor, 200 HP, 1200 RPM, 95.4% | 4942 | 117.296 | 579,674.8 | 116.079 | 573,661.6 | 1.217 | 6,013.2 | 0.731 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 1 HP, 1800 RPM, 86.5% | ODP Motor, 1 HP, 1800 RPM, 85.5% | 4942 | 0.654 | 3,234.0 | 0.647 | 3,196.6 | 0.008 | 37.4 | 0.005 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 25.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 1.5 HP, 1800 RPM, 87.5% | ODP Motor, 1.5 HP, 1800 RPM, 86.5% | 4942 | 0.970 | 4,794.9 | 0.959 | 4,740.1 | 0.011 | 54.8 | 0.007 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 100.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 2 HP, 1800 RPM, 87.5% | ODP Motor, 2 HP, 1800 RPM, 86.5% | 4942 | 1.294 | 6,393.2 | 1.279 | 6,320.1 | 0.015 | 71.4 | 0.009 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 50.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 3 HP, 1800 RPM, 89.5% | ODP Motor, 3 HP, 1800 RPM, 88.5% | 4942 | 1.875 | 9,268.3 | 1.855 | 9,165.9 | 0.021 | 102.4 | 0.012 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 50.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 5 HP, 1800 RPM, 90.5% | ODP Motor, 5 HP, 1800 RPM, 89.5% | 4942 | 3.126 | 15,447.2 | 3.091 | 15,276.5 | 0.035 | 170.7 | 0.021 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 150.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 7.5 HP, 1800 RPM, 92% | ODP Motor, 7.5 HP, 1800 RPM, 91% | 4942 | 4.611 | 22,788.9 | 4.561 | 22,541.2 | 0.050 | 247.7 | 0.030 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 224.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 10 HP, 1800 RPM, 92.7% | ODP Motor, 10 HP, 1800 RPM, 91.7% | 4942 | 6.101 | 30,153.2 | 6.036 | 29,827.9 | 0.066 | 325.3 | 0.040 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 15 HP, 1800 RPM, 94% | ODP Motor, 15 HP, 1800 RPM, 93% | 4942 | 9.024 | 44,597.6 | 8.928 | 44,123.1 | 0.096 | 474.4 | 0.058 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 150.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 20 HP, 1800 RPM, 94% | ODP Motor, 20 HP, 1800 RPM, 93% | 4942 | 12.032 | 59,463.4 | 11.904 | 58,830.8 | 0.128 | 632.6 | 0.077 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 300.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 25 HP, 1800 RPM, 94.6% | ODP Motor, 25 HP, 1800 RPM, 93.6% | 4942 | 14.944 | 73,852.8 | 14.786 | 73,072.1 | 0.158 | 780.7 | 0.095 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 30 HP, 1800 RPM, 95.1% | ODP Motor, 30 HP, 1800 RPM, 94.1% | 4942 | 17.837 | 88,152.5 | 17.650 | 87,225.5 | 0.188 | 926.9 | 0.113 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 40 HP, 1800 RPM, 95.1% | ODP Motor, 40 HP, 1800 RPM, 94.1% | 4942 | 23.783 | 117,536.6 | 23.533 | 116,300.7 | 0.250 | 1,235.9 | 0.150 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 450.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 50 HP, 1800 RPM, 95.5% | ODP Motor, 50 HP, 1800 RPM, 94.5% | 4942 | 29.603 | 146,298.9 | 29.293 | 144,767.0 | 0.310 | 1,531.9 | 0.186 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 60 HP, 1800 RPM, 96% | ODP Motor, 60 HP, 1800 RPM, 95% | 4942 | 35.337 | 174,634.7 | 34.969 | 172,815.6 | 0.368 | 1,819.1 | 0.221 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 75 HP, 1800 RPM, 96% | ODP Motor, 75 HP, 1800 RPM, 95% | 4942 | 44.171 | 218,293.3 | 43.711 | 216,019.5 | 0.460 | 2,273.9 | 0.276 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,050.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 100 HP, 1800 RPM, 96.4% | ODP Motor, 100 HP, 1800 RPM, 95.4% | 4942 | 58.648 | 289,837.4 | 58.039 | 286,830.8 | 0.608 | 3,006.6 | 0.365 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,500.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 125 HP, 1800 RPM, 96.4% | ODP Motor, 125 HP, 1800 RPM, 95.4% | 4942 | 73.310 | 362,296.8 | 72.549 | 358,538.5 | 0.760 | 3,758.3 | 0.457 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 150 HP, 1800 RPM, 96.8% | ODP Motor, 150 HP, 1800 RPM, 95.8% | 4942 | 87.604 | 432,940.9 | 86.699 | 428,468.3 | 0.905 | 4,472.5 | 0.544 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 750.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 200 HP, 1800 RPM, 96.8% | ODP Motor, 200 HP, 1800 RPM, 95.8% | 4942 | 116.806 | 577,254.5 | 115.599 | 571,291.1 | 1.207 | 5,963.4 | 0.725 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 1 HP, 3600 RPM, 78% | ODP Motor, 1 HP, 3600 RPM, 77% | 4942 | 0.727 | 3,591.0 | 0.717 | 3,544.9 | 0.009 | 46.0 | 0.006 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 25.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 1.5 HP, 3600 RPM, 85% | ODP Motor, 1.5 HP, 3600 RPM, 84% | 4942 | 0.999 | 4,937.6 | 0.987 | 4,879.5 | 0.012 | 58.1 | 0.007 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 100.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 2 HP, 3600 RPM, 86.5% | ODP Motor, 2 HP, 3600 RPM, 85.5% | 4942 | 1.309 | 6,468.0 | 1.294 | 6,393.2 | 0.015 | 74.8 | 0.009 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 50.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 3 HP, 3600 RPM, 86.5% | ODP Motor, 3 HP, 3600 RPM, 85.5% | 4942 | 1.963 | 9,701.9 | 1.941 | 9,589.8 | 0.023 | 112.2 | 0.014 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 50.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 5 HP, 3600 RPM, 87.5% | ODP Motor, 5 HP, 3600 RPM, 86.5% | 4942 | 3.234 | 15,982.9 | 3.197 | 15,800.3 | 0.037 | 182.7 | 0.022 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 150.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 7.5 HP, 3600 RPM, 89.5% | ODP Motor, 7.5 HP, 3600 RPM, 88.5% | 4942 | 4.742 | 23,432.6 | 4.689 | 23,170.8 | 0.053 | 261.8 | 0.032 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 224.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 10 HP, 3600 RPM, 90.5% | ODP Motor, 10 HP, 3600 RPM, 89.5% | 4942 | 6.251 | 30,894.4 | 6.182 | 30,553.0 | 0.069 | 341.4 | 0.041 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEAR) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|--------------------|---|-------------------------------------|-------------------------------------|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--|----------------------------------|
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 15 HP, 3600 RPM, 91.2% | ODP Motor, 15 HP, 3600 RPM, 90.2% | 4942 | 9.304 | 45,982.0 | 9.202 | 45,477.8 | 0.102 | 504.2 | 0.061 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 150.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 20 HP, 3600 RPM, 92% | ODP Motor, 20 HP, 3600 RPM, 91% | 4942 | 12.297 | 60,770.3 | 12.163 | 60,109.8 | 0.134 | 660.5 | 0.080 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 300.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 25 HP, 3600 RPM, 92.7% | ODP Motor, 25 HP, 3600 RPM, 91.7% | 4942 | 15.254 | 75,383.0 | 15.089 | 74,569.8 | 0.165 | 813.2 | 0.099 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 30 HP, 3600 RPM, 92.7% | ODP Motor, 30 HP, 3600 RPM, 91.7% | 4942 | 18.304 | 90,459.6 | 18.107 | 89,483.8 | 0.198 | 975.8 | 0.119 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 40 HP, 3600 RPM, 93.4% | ODP Motor, 40 HP, 3600 RPM, 92.4% | 4942 | 24.221 | 119,699.1 | 23.962 | 118,417.5 | 0.259 | 1,281.6 | 0.156 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 450.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 50 HP, 3600 RPM, 94% | ODP Motor, 50 HP, 3600 RPM, 93% | 4942 | 30.081 | 148,658.6 | 29.761 | 147,077.1 | 0.320 | 1,581.5 | 0.192 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 60 HP, 3600 RPM, 94.6% | ODP Motor, 60 HP, 3600 RPM, 93.6% | 4942 | 35.865 | 177,246.7 | 35.486 | 175,373.1 | 0.379 | 1,873.6 | 0.228 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 75 HP, 3600 RPM, 94.6% | ODP Motor, 75 HP, 3600 RPM, 93.6% | 4942 | 44.832 | 221,558.4 | 44.358 | 219,216.4 | 0.474 | 2,342.1 | 0.285 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,050.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 100 HP, 3600 RPM, 94.6% | ODP Motor, 100 HP, 3600 RPM, 93.6% | 4942 | 59.776 | 295,411.2 | 59.144 | 292,288.5 | 0.632 | 3,122.7 | 0.380 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,500.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 125 HP, 3600 RPM, 95.1% | ODP Motor, 125 HP, 3600 RPM, 94.1% | 4942 | 74.323 | 367,301.9 | 73.541 | 363,439.7 | 0.782 | 3,862.3 | 0.469 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 150 HP, 3600 RPM, 95.1% | ODP Motor, 150 HP, 3600 RPM, 94.1% | 4942 | 89.187 | 440,762.3 | 88.249 | 436,127.6 | 0.938 | 4,634.7 | 0.563 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 750.00 |
| Business | Retrofit | Electric Auxiliary | OPEN DRIP-PROOF (ODP) MOTORS | ODP Motor, 200 HP, 3600 RPM, 96% | ODP Motor, 200 HP, 3600 RPM, 95% | 4942 | 117.790 | 582,115.6 | 116.563 | 576,051.9 | 1.227 | 6,063.7 | 0.737 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 1 HP, 1200 RPM, 83.5% | TEFC Motor, 1 HP, 1200 RPM, 82.5% | 4942 | 0.678 | 3,351.6 | 0.670 | 3,311.4 | 0.008 | 40.1 | 0.005 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 75.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 1.5 HP, 1200 RPM, 88.5% | TEFC Motor, 1.5 HP, 1200 RPM, 87.5% | 4942 | 0.959 | 4,740.1 | 0.948 | 4,686.5 | 0.011 | 53.6 | 0.007 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 50.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 2 HP, 1200 RPM, 89.5% | TEFC Motor, 2 HP, 1200 RPM, 88.5% | 4942 | 1.264 | 6,248.7 | 1.250 | 6,178.9 | 0.014 | 69.8 | 0.008 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 100.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 3 HP, 1200 RPM, 90.5% | TEFC Motor, 3 HP, 1200 RPM, 89.5% | 4942 | 1.875 | 9,268.3 | 1.855 | 9,165.9 | 0.021 | 102.4 | 0.012 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 5 HP, 1200 RPM, 90.5% | TEFC Motor, 5 HP, 1200 RPM, 89.5% | 4942 | 3.126 | 15,447.2 | 3.091 | 15,276.5 | 0.035 | 170.7 | 0.021 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 250.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 7.5 HP, 1200 RPM, 92% | TEFC Motor, 7.5 HP, 1200 RPM, 91% | 4942 | 4.611 | 22,788.9 | 4.561 | 22,541.2 | 0.050 | 247.7 | 0.030 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 0.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 10 HP, 1200 RPM, 92% | TEFC Motor, 10 HP, 1200 RPM, 91% | 4942 | 6.148 | 30,385.2 | 6.082 | 30,054.9 | 0.067 | 330.3 | 0.040 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 250.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 15 HP, 1200 RPM, 92.7% | TEFC Motor, 15 HP, 1200 RPM, 91.7% | 4942 | 9.152 | 45,229.8 | 9.053 | 44,741.9 | 0.099 | 487.9 | 0.059 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 0.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 20 HP, 1200 RPM, 92.7% | TEFC Motor, 20 HP, 1200 RPM, 91.7% | 4942 | 12.203 | 60,306.4 | 12.071 | 59,655.9 | 0.132 | 650.6 | 0.079 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 300.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 25 HP, 1200 RPM, 94% | TEFC Motor, 25 HP, 1200 RPM, 93% | 4942 | 15.040 | 74,329.3 | 14.880 | 73,538.5 | 0.160 | 790.7 | 0.096 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 300.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 30 HP, 1200 RPM, 94% | TEFC Motor, 30 HP, 1200 RPM, 93% | 4942 | 18.048 | 89,195.1 | 17.856 | 88,246.2 | 0.192 | 948.9 | 0.115 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 40 HP, 1200 RPM, 95.1% | TEFC Motor, 40 HP, 1200 RPM, 94.1% | 4942 | 23.783 | 117,536.6 | 23.533 | 116,300.7 | 0.250 | 1,235.9 | 0.150 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 50 HP, 1200 RPM, 95.1% | TEFC Motor, 50 HP, 1200 RPM, 94.1% | 4942 | 29.729 | 146,920.8 | 29.416 | 145,375.9 | 0.313 | 1,544.9 | 0.188 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 100.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 60 HP, 1200 RPM, 95.5% | TEFC Motor, 60 HP, 1200 RPM, 94.5% | 4942 | 35.524 | 175,558.7 | 35.152 | 173,720.4 | 0.372 | 1,838.3 | 0.223 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 0.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 75 HP, 1200 RPM, 95.5% | TEFC Motor, 75 HP, 1200 RPM, 94.5% | 4942 | 44.405 | 219,448.3 | 43.940 | 217,150.5 | 0.465 | 2,297.9 | 0.279 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 300.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 100 HP, 1200 RPM, 96% | TEFC Motor, 100 HP, 1200 RPM, 95% | 4942 | 58.895 | 291,057.8 | 58.281 | 288,025.9 | 0.613 | 3,031.8 | 0.368 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 500.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 125 HP, 1200 RPM, 96% | TEFC Motor, 125 HP, 1200 RPM, 95% | 4942 | 73.618 | 363,822.2 | 72.852 | 360,032.4 | 0.767 | 3,789.8 | 0.461 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 500.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 150 HP, 1200 RPM, 96.8% | TEFC Motor, 150 HP, 1200 RPM, 95.8% | 4942 | 87.604 | 432,940.9 | 86.699 | 428,468.3 | 0.905 | 4,472.5 | 0.544 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 600.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 200 HP, 1200 RPM, 96.8% | TEFC Motor, 200 HP, 1200 RPM, 95.8% | 4942 | 116.806 | 577,254.5 | 115.599 | 571,291.1 | 1.207 | 5,963.4 | 0.725 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 1 HP, 1800 RPM, 86.5% | TEFC Motor, 1 HP, 1800 RPM, 85.5% | 4942 | 0.654 | 3,234.0 | 0.647 | 3,196.6 | 0.008 | 37.4 | 0.005 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 75.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 1.5 HP, 1800 RPM, 87.5% | TEFC Motor, 1.5 HP, 1800 RPM, 86.5% | 4942 | 0.970 | 4,794.9 | 0.959 | 4,740.1 | 0.011 | 54.8 | 0.007 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 50.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 2 HP, 1800 RPM, 87.5% | TEFC Motor, 2 HP, 1800 RPM, 86.5% | 4942 | 1.294 | 6,393.2 | 1.279 | 6,320.1 | 0.015 | 73.1 | 0.009 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 100.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 3 HP, 1800 RPM, 89.5% | TEFC Motor, 3 HP, 1800 RPM, 89.5% | 4942 | 1.875 | 9,268.3 | 1.855 | 9,165.9 | 0.021 | 102.4 | 0.012 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 5 HP, 1800 RPM, 90.5% | TEFC Motor, 5 HP, 1800 RPM, 89.5% | 4942 | 3.126 | 15,447.2 | 3.091 | 15,276.5 | 0.035 | 170.7 | 0.021 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 250.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 7.5 HP, 1800 RPM, 92.7% | TEFC Motor, 7.5 HP, 1800 RPM, 91.7% | 4942 | 4.576 | 22,614.9 | 4.527 | 22,371.0 | 0.049 | 244.0 | 0.030 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 0.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 10 HP, 1800 RPM, 92.7% | TEFC Motor, 10 HP, 1800 RPM, 91.7% | 4942 | 6.101 | 30,153.2 | 6.036 | 29,827.9 | 0.066 | 325.3 | 0.040 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 250.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 15 HP, 1800 RPM, 93.4% | TEFC Motor, 15 HP, 1800 RPM, 92.4% | 4942 | 9.083 | 44,887.2 | 8.986 | 44,406.6 | 0.097 | 480.6 | 0.058 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 0.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 20 HP, 1800 RPM, 94% | TEFC Motor, 20 HP, 1800 RPM, 93% | 4942 | 12.032 | 59,463.4 | 11.904 | 58,830.8 | 0.128 | 632.6 | 0.077 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 300.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 25 HP, 1800 RPM, 94.6% | TEFC Motor, 25 HP, 1800 RPM, 93.6% | 4942 | 14.944 | 73,852.8 | 14.786 | 73,072.1 | 0.158 | 780.7 | 0.095 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 300.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 30 HP, 1800 RPM, 94.6% | TEFC Motor, 30 HP, 1800 RPM, 93.6% | 4942 | 17.933 | 88,623.4 | 17.743 | 87,686.5 | 0.190 | 936.8 | 0.114 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 40 HP, 1800 RPM, 95.1% | TEFC Motor, 40 HP, 1800 RPM, 94.1% | 4942 | 23.783 | 117,536.6 | 23.533 | 116,300.7 | 0.250 | 1,235.9 | 0.150 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 50 HP, 1800 RPM, 95.5% | TEFC Motor, 50 HP, 1800 RPM, 94.5% | 4942 | 29.603 | 146,298.9 | 29.293 | 144,767.0 | 0.310 | 1,531.9 | 0.186 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 100.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 60 HP, 1800 RPM, 96% | TEFC Motor, 60 HP, 1800 RPM, 95% | 4942 | 35.337 | 174,634.7 | 34.969 | 172,815.6 | 0.368 | 1,819.1 | 0.221 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 0.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 75 HP, 1800 RPM, 96.4% | TEFC Motor, 75 HP, 1800 RPM, 95.4% | 4942 | 43.986 | 217,378.1 | 43.530 | 215,123.1 | 0.456 | 2,255.0 | 0.274 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 300.00 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEAR) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|--------------------|---|---------------------------------------|---|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|--|----------------------------------|
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 100 HP, 1800 RPM, 96.4% | TEFC Motor, 100 HP, 1800 RPM, 95.4% | 4942 | 58.648 | 289,837.4 | 58.039 | 286,830.8 | 0.608 | 3,006.6 | 0.365 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 500.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 125 HP, 1800 RPM, 96.4% | TEFC Motor, 125 HP, 1800 RPM, 95.4% | 4942 | 73.310 | 362,296.8 | 72.549 | 358,538.5 | 0.760 | 3,758.3 | 0.457 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 500.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 150 HP, 1800 RPM, 96.8% | TEFC Motor, 150 HP, 1800 RPM, 95.8% | 4942 | 87.604 | 432,940.9 | 86.699 | 428,468.3 | 0.905 | 4,472.5 | 0.544 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 600.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 200 HP, 1800 RPM, 97.2% | TEFC Motor, 200 HP, 1800 RPM, 96.2% | 4942 | 116.320 | 574,854.3 | 115.123 | 568,940.1 | 1.197 | 5,914.1 | 0.719 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 1 HP, 3600 RPM, 78% | TEFC Motor, 1 HP, 3600 RPM, 77% | 4942 | 0.727 | 3,591.0 | 0.717 | 3,544.9 | 0.009 | 46.0 | 0.006 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 75.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 1.5 HP, 3600 RPM, 85% | TEFC Motor, 1.5 HP, 3600 RPM, 84% | 4942 | 0.999 | 4,937.6 | 0.987 | 4,879.5 | 0.012 | 58.1 | 0.007 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 50.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 2 HP, 3600 RPM, 86.5% | TEFC Motor, 2 HP, 3600 RPM, 85.5% | 4942 | 1.309 | 6,468.0 | 1.294 | 6,393.2 | 0.015 | 74.8 | 0.009 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 100.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 3 HP, 3600 RPM, 87.5% | TEFC Motor, 3 HP, 3600 RPM, 86.5% | 4942 | 1.940 | 9,589.8 | 1.918 | 9,480.2 | 0.022 | 109.6 | 0.013 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 5 HP, 3600 RPM, 89.5% | TEFC Motor, 5 HP, 3600 RPM, 88.5% | 4942 | 3.161 | 15,621.8 | 3.126 | 15,447.2 | 0.035 | 174.5 | 0.021 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 250.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 7.5 HP, 3600 RPM, 90.5% | TEFC Motor, 7.5 HP, 3600 RPM, 89.5% | 4942 | 4.689 | 23,170.8 | 4.637 | 22,914.8 | 0.052 | 256.0 | 0.031 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 0.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 10 HP, 3600 RPM, 91.2% | TEFC Motor, 10 HP, 3600 RPM, 90.2% | 4942 | 6.203 | 30,654.7 | 6.135 | 30,318.5 | 0.068 | 336.1 | 0.041 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 250.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 15 HP, 3600 RPM, 92% | TEFC Motor, 15 HP, 3600 RPM, 91% | 4942 | 9.223 | 45,577.7 | 9.122 | 45,082.3 | 0.100 | 495.4 | 0.060 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 0.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 20 HP, 3600 RPM, 92% | TEFC Motor, 20 HP, 3600 RPM, 91% | 4942 | 12.297 | 60,770.3 | 12.163 | 60,109.8 | 0.134 | 660.5 | 0.080 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 300.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 25 HP, 3600 RPM, 92.7% | TEFC Motor, 25 HP, 3600 RPM, 91.7% | 4942 | 15.254 | 75,383.0 | 15.089 | 74,569.8 | 0.165 | 813.2 | 0.099 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 300.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 30 HP, 3600 RPM, 92.7% | TEFC Motor, 30 HP, 3600 RPM, 91.7% | 4942 | 18.304 | 90,459.6 | 18.107 | 89,483.8 | 0.197 | 975.8 | 0.119 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 40 HP, 3600 RPM, 93.4% | TEFC Motor, 40 HP, 3600 RPM, 92.4% | 4942 | 24.221 | 119,699.1 | 23.961 | 118,417.5 | 0.259 | 1,281.6 | 0.156 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 50 HP, 3600 RPM, 94% | TEFC Motor, 50 HP, 3600 RPM, 93% | 4942 | 30.081 | 148,658.6 | 29.761 | 147,077.1 | 0.320 | 1,581.5 | 0.192 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 100.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 60 HP, 3600 RPM, 94.6% | TEFC Motor, 60 HP, 3600 RPM, 93.6% | 4942 | 35.865 | 177,246.7 | 35.486 | 175,373.1 | 0.379 | 1,873.6 | 0.228 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 0.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 75 HP, 3600 RPM, 94.6% | TEFC Motor, 75 HP, 3600 RPM, 93.6% | 4942 | 44.832 | 221,558.4 | 44.358 | 219,216.4 | 0.474 | 2,342.1 | 0.285 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 300.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 100 HP, 3600 RPM, 95.1% | TEFC Motor, 100 HP, 3600 RPM, 94.1% | 4942 | 59.458 | 293,841.6 | 58.833 | 290,751.7 | 0.625 | 3,089.8 | 0.376 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 500.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 125 HP, 3600 RPM, 96% | TEFC Motor, 125 HP, 3600 RPM, 95% | 4942 | 73.618 | 363,822.2 | 72.852 | 360,032.4 | 0.767 | 3,789.8 | 0.461 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 500.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 150 HP, 3600 RPM, 96% | TEFC Motor, 150 HP, 3600 RPM, 95% | 4942 | 88.342 | 436,586.7 | 87.422 | 432,038.9 | 0.920 | 4,547.8 | 0.553 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 600.00 |
| Business | Retrofit | Electric Auxiliary | TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS | TEFC Motor, 200 HP, 3600 RPM, 96.4% | TEFC Motor, 200 HP, 3600 RPM, 95.4% | 4942 | 117.296 | 579,674.8 | 116.079 | 573,661.6 | 1.217 | 6,013.2 | 0.731 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 1 HP, 73.5% Load Factor | V-Belt with Motor Size: 1 HP, 75% Load Factor | 4000 | 0.563 | 2,250.0 | 0.551 | 2,205.0 | 0.011 | 45.0 | 0.005 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 9.60 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 1.5 HP, 73.5% Load Factor | V-Belt with Motor Size: 1.5 HP, 75% Load Factor | 4000 | 0.840 | 3,360.0 | 0.823 | 3,292.8 | 0.017 | 67.2 | 0.008 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 14.40 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 2 HP, 73.5% Load Factor | V-Belt with Motor Size: 2 HP, 75% Load Factor | 4000 | 1.118 | 4,470.0 | 1.095 | 4,380.6 | 0.022 | 89.4 | 0.011 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 19.20 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 3 HP, 73.5% Load Factor | V-Belt with Motor Size: 3 HP, 75% Load Factor | 4000 | 1.680 | 6,720.0 | 1.646 | 6,585.6 | 0.034 | 134.4 | 0.016 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 28.80 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 5 HP, 73.5% Load Factor | V-Belt with Motor Size: 5 HP, 75% Load Factor | 4000 | 2.798 | 11,190.0 | 2.742 | 10,966.2 | 0.056 | 223.8 | 0.027 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 48.00 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 7.5 HP, 73.5% Load Factor | V-Belt with Motor Size: 7.5 HP, 75% Load Factor | 4000 | 4.200 | 16,800.0 | 4.116 | 16,464.0 | 0.084 | 336.0 | 0.041 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 72.00 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 10 HP, 73.5% Load Factor | V-Belt with Motor Size: 10 HP, 75% Load Factor | 4000 | 5.595 | 22,380.0 | 5.483 | 21,932.4 | 0.112 | 447.6 | 0.054 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 96.00 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 15 HP, 73.5% Load Factor | V-Belt with Motor Size: 15 HP, 75% Load Factor | 4000 | 8.393 | 33,570.0 | 8.225 | 32,898.6 | 0.168 | 671.4 | 0.082 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 144.00 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 20 HP, 73.5% Load Factor | V-Belt with Motor Size: 20 HP, 75% Load Factor | 4000 | 11.190 | 44,760.0 | 10.966 | 43,864.8 | 0.224 | 895.2 | 0.109 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 192.00 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 25 HP, 73.5% Load Factor | V-Belt with Motor Size: 25 HP, 75% Load Factor | 4000 | 13.988 | 55,950.0 | 13.708 | 54,831.0 | 0.280 | 1,119.0 | 0.136 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 240.00 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 30 HP, 73.5% Load Factor | V-Belt with Motor Size: 30 HP, 75% Load Factor | 4000 | 16.785 | 67,140.0 | 16.449 | 65,797.2 | 0.336 | 1,342.8 | 0.163 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 288.00 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 40 HP, 73.5% Load Factor | V-Belt with Motor Size: 40 HP, 75% Load Factor | 4000 | 22.380 | 89,520.0 | 21.932 | 87,729.6 | 0.448 | 1,790.4 | 0.218 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 384.00 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 50 HP, 73.5% Load Factor | V-Belt with Motor Size: 50 HP, 75% Load Factor | 4000 | 27.975 | 111,900.0 | 27.416 | 109,662.0 | 0.560 | 2,238.0 | 0.272 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 480.00 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 60 HP, 73.5% Load Factor | V-Belt with Motor Size: 60 HP, 75% Load Factor | 4000 | 33.570 | 134,280.0 | 32.899 | 131,594.4 | 0.671 | 2,685.6 | 0.326 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 576.00 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 75 HP, 73.5% Load Factor | V-Belt with Motor Size: 75 HP, 75% Load Factor | 4000 | 41.963 | 167,850.0 | 41.123 | 164,493.0 | 0.839 | 3,357.0 | 0.408 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 720.00 |
| Business | Retrofit | Electric Auxiliary | NOTCHED/COGGED V-BELT | Motor Size: 100 HP, 73.5% Load Factor | V-Belt with Motor Size: 100 HP, 75% Load Factor | 4000 | 55.950 | 223,800.0 | 54.831 | 219,324.0 | 1.119 | 4,476.0 | 0.544 | 6 | PSP-Business-Commercial-Electric_Auxiliary | 960.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 1 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 0.159 | 1,162.0 | 0.141 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 200.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 1.5 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 0.230 | 1,689.0 | 0.205 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 250.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 2 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 0.297 | 2,178.0 | 0.265 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 350.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 3 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 0.437 | 3,203.0 | 0.389 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 750.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 5 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 0.724 | 5,308.0 | 0.645 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 750.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 7.5 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 1.073 | 7,860.0 | 0.955 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,000.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 10 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 1.415 | 10,367.0 | 1.260 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 1,200.00 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEAR) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|------------------------|--|--|--|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|---|----------------------------------|
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 15 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 2,110 | 15,474.0 | 1,881 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 2,000.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 20 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 2,801 | 20,527.0 | 2,495 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 2,250.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 25 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 3,482 | 25,515.0 | 3,101 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 2,250.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 30 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 4,153 | 30,437.0 | 3,699 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 2,250.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 40 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 5,517 | 40,430.0 | 4,914 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 2,250.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 50 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | - | - | - | - | 6,869 | 50,340.0 | 6,118 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 3,000.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 60 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | 33.570 | 134,280.0 | 29.542 | 118,166.4 | 4,028 | 16,113.6 | 1,958 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 2,800.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 75 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | 41.963 | 167,850.0 | 36.927 | 147,708.0 | 5,036 | 20,142.0 | 2,448 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 3,200.00 |
| Business | Retrofit | Electric Auxiliary | VARIABLE FREQUENCY DRIVE (VFD) | Motor Size: 100 HP, 66% Load Factor | No VFD installed, Motor is at 75% Load Factor | 3963 | 55.950 | 223,800.0 | 49.236 | 196,944.0 | 6,714 | 26,856.0 | 3,264 | 15 | PSP-Business-Commercial-Electric_Auxiliary | 3,500.00 |
| Business | Retrofit | Lighting | LED EXIT SIGN | New Sign or Retrofit Kit ≤ 3W | Average of 40 Watt Incandescent & 22 Watt CSA 860 | 8760 | 0.031 | 271.6 | 0.003 | 26.3 | 0.028 | 245.3 | 0.041 | 10 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$0.00 |
| Business | Retrofit | Lighting | REFRIGERATED DISPLAY CASE LED FIXTURE - HORIZONTAL (UNDERSHELF) INSTALLATION | <13W Nominal 24" -48" | Average of 2' 4" T8 (17W, 25W, 32W) | 6074 | 0.031 | 188.3 | 0.012 | 72.9 | 0.019 | 115.4 | 0.022 | 8 | PSP-Business-Commercial-Refrigerated_Display_Case_Food Retail | \$113.00 |
| Business | Retrofit | Lighting | REFRIGERATED DISPLAY CASE LED FIXTURE - VERTICAL INSTALLATION | <30W Nominal 48" -72" | Average of 4' 6" T8 (32W, 40W, 44W, 46W, 55W, 66W) | 6074 | 0.062 | 376.6 | 0.029 | 176.1 | 0.033 | 200.4 | 0.038 | 8 | PSP-Business-Commercial-Refrigerated_Display_Case_Food Retail | \$153.00 |
| Business | Retrofit | Lighting | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 3911 | 0.200 | 782.2 | 0.200 | 782.2 | 0.000 | 234.7 | 0.040 | 8 | PSP-Business-Other_Small Business | \$55.00 |
| Business | Retrofit | Lighting | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 3911 | 0.012 | 46.9 | 0.0066 | 25.8 | 0.005 | 21.1 | 0.004 | 6 | PSP-Business-Commercial-Lighting_Small Business | \$4.65 |
| Business | Retrofit | Lighting | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 3911 | 0.014 | 54.8 | 0.0099 | 38.7 | 0.004 | 16.0 | 0.003 | 6 | PSP-Business-Commercial-Lighting_Small Business | \$3.53 |
| Business | Retrofit | Lighting | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 18W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 3911 | 0.023 | 90.0 | 0.0124 | 48.5 | 0.011 | 41.5 | 0.007 | 6 | PSP-Business-Commercial-Lighting_Small Business | \$9.12 |
| Business | Retrofit | Lighting - General | LED EXTERIOR AREA LIGHTS | LED fixture (≤30W) | 50 to 75W MH/HPS | 4200 | 0.090 | 378.0 | 0.025 | 105.0 | 0.065 | 273.0 | 0.003 | 12 | PSP-Business-Commercial-Lighting_Exterior | \$50.00 |
| Business | Retrofit | Lighting - General | LED EXTERIOR AREA LIGHTS | LED fixture (>30W to ≤60W) | 100 - 175W MH/HPS | 4200 | 0.185 | 777.0 | 0.046 | 193.2 | 0.139 | 583.8 | 0.006 | 12 | PSP-Business-Commercial-Lighting_Exterior | \$55.00 |
| Business | Retrofit | Lighting - General | LED EXTERIOR AREA LIGHTS | LED fixture (>60W to ≤120W) | 200 - 250W MH/HPS | 4200 | 0.290 | 1,218.0 | 0.090 | 378.0 | 0.200 | 840.0 | 0.009 | 12 | PSP-Business-Commercial-Lighting_Exterior | \$115.00 |
| Business | Retrofit | Lighting - General | LED EXTERIOR AREA LIGHTS | LED fixture (>120W to ≤200W) | 400 - 450W MH | 4200 | 0.465 | 1,953.0 | 0.175 | 735.0 | 0.290 | 1,218.0 | 0.013 | 12 | PSP-Business-Commercial-Lighting_Exterior | \$150.00 |
| Business | Retrofit | Lighting - General | LED EXTERIOR AREA LIGHTS | LED fixture (>200W to ≤300W) | 400 - 450W HPS | 4200 | 0.465 | 1,953.0 | 0.275 | 1,155.0 | 0.190 | 798.0 | 0.009 | 12 | PSP-Business-Commercial-Lighting_Exterior | \$400.00 |
| Business | Retrofit | Lighting - General | LED EXTERIOR AREA LIGHTS | LED fixture (≤530W) | 750 to 1000W MH/HPS | 4200 | 1.080 | 4,536.0 | 0.350 | 1,470.0 | 0.730 | 3,066.0 | 0.034 | 12 | PSP-Business-Commercial-Lighting_Exterior | \$350.00 |
| Business | Retrofit | Lighting - Food Retail | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 6074 | 0.0165 | 100.2 | 0.0094 | 57.1 | 0.007 | 43.1 | 0.006 | 7 | PSP-Business-Food_Retail-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting - Food Retail | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 6074 | 0.020 | 121.5 | 0.012 | 72.9 | 0.008 | 48.6 | 0.007 | 7 | PSP-Business-Food_Retail-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting - Food Retail | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 6074 | 0.025 | 151.9 | 0.0153 | 92.9 | 0.010 | 58.9 | 0.008 | 7 | PSP-Business-Food_Retail-Lighting_Interior_General | \$47.50 |
| Business | Retrofit | Lighting - Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 6074 | 0.028 | 170.1 | 0.006 | 36.4 | 0.022 | 133.6 | 0.019 | 4 | PSP-Business-Food_Retail-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting - Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 6074 | 0.037 | 224.7 | 0.008 | 45.6 | 0.030 | 179.2 | 0.025 | 4 | PSP-Business-Food_Retail-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting - Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 6074 | 0.041 | 249.0 | 0.011 | 66.8 | 0.030 | 182.2 | 0.026 | 4 | PSP-Business-Food_Retail-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting - Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 6074 | 0.052 | 315.8 | 0.013 | 79.0 | 0.039 | 236.9 | 0.034 | 4 | PSP-Business-Food_Retail-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting - Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 6074 | 0.070 | 425.2 | 0.018 | 106.3 | 0.053 | 318.9 | 0.045 | 4 | PSP-Business-Food_Retail-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting - Food Retail | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 6074 | 0.024 | 145.8 | 0.005 | 30.4 | 0.019 | 115.4 | 0.016 | 4 | PSP-Business-Food_Retail-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting - Food Retail | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 6074 | 0.035 | 212.6 | 0.007 | 42.5 | 0.028 | 170.1 | 0.024 | 4 | PSP-Business-Food_Retail-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting - Food Retail | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 6074 | 0.025 | 151.9 | 0.015 | 91.1 | 0.010 | 60.7 | 0.009 | 8 | PSP-Business-Food_Retail-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting - Food Retail | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 6074 | 0.032 | 194.4 | 0.022 | 133.6 | 0.010 | 60.7 | 0.009 | 8 | PSP-Business-Food_Retail-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting - Food Retail | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W-2 lamp T8 | 6074 | 0.065 | 394.8 | 0.032 | 194.4 | 0.033 | 200.4 | 0.028 | 8 | PSP-Business-Food_Retail-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting - Food Retail | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 6074 | 0.062 | 376.6 | 0.031 | 188.3 | 0.031 | 188.3 | 0.027 | 8 | PSP-Business-Food_Retail-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting - Food Retail | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 6074 | 0.086 | 523.6 | 0.042 | 255.1 | 0.044 | 268.5 | 0.038 | 8 | PSP-Business-Food_Retail-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting - Food Retail | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W-2 lamp T8 | 6074 | 0.065 | 394.8 | 0.039 | 236.9 | 0.026 | 157.9 | 0.022 | 8 | PSP-Business-Food_Retail-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting - Food Retail | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 6074 | 0.062 | 376.6 | 0.039 | 234.5 | 0.023 | 142.1 | 0.020 | 8 | PSP-Business-Food_Retail-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting - Food Retail | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 6074 | 0.086 | 523.6 | 0.055 | 334.1 | 0.031 | 189.5 | 0.027 | 8 | PSP-Business-Food_Retail-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting - Food Retail | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 6074 | 0.200 | 1,214.8 | 0.2000 | 1,214.8 | 0.000 | 364.4 | 0.052 | 5 | PSP-Business-Food_Retail-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting - Food Retail | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 6074 | 0.012 | 72.9 | 0.0066 | 40.1 | 0.005 | 32.8 | 0.005 | 4 | PSP-Business-Food_Retail-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting - Food Retail | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 6074 | 0.014 | 85.0 | 0.0099 | 60.1 | 0.004 | 24.9 | 0.004 | 4 | PSP-Business-Food_Retail-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting - Food Retail | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 18W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 6074 | 0.023 | 139.7 | 0.0124 | 75.3 | 0.011 | 64.4 | 0.009 | 4 | PSP-Business-Food_Retail-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Lighting - Hospital | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 5182 | 0.0165 | 85.5 | 0.0094 | 48.7 | 0.007 | 36.8 | 0.005 | 8 | PSP-Business-Hospital-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting - Hospital | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 5182 | 0.020 | 103.6 | 0.012 | 62.2 | 0.008 | 41.5 | 0.006 | 8 | PSP-Business-Hospital-Lighting_Interior_General | \$28.50 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEARS) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|--|---|--|--|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|-------------------------------|---|----------------------------------|
| Business | Retrofit | Lighting -Hospital | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 5182 | 0.025 | 129.6 | 0.0153 | 79.3 | 0.010 | 50.3 | 0.007 | 8 | PSP-Business-Hospital-Lighting_Interior_General | \$47.50 |
| Business | Retrofit | Lighting -Hospital | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 5182 | 0.028 | 145.1 | 0.006 | 31.1 | 0.022 | 114.0 | 0.015 | 5 | PSP-Business-Hospital-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting -Hospital | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 5182 | 0.037 | 191.7 | 0.008 | 38.9 | 0.030 | 152.9 | 0.020 | 5 | PSP-Business-Hospital-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting -Hospital | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 5182 | 0.041 | 212.5 | 0.011 | 57.0 | 0.030 | 155.5 | 0.021 | 5 | PSP-Business-Hospital-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Hospital | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 5182 | 0.052 | 269.5 | 0.013 | 67.4 | 0.039 | 202.1 | 0.027 | 5 | PSP-Business-Hospital-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Hospital | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 5182 | 0.070 | 362.7 | 0.018 | 90.7 | 0.053 | 272.1 | 0.036 | 5 | PSP-Business-Hospital-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting -Hospital | LED HIGH BAY FIXTURE | ≤ 139W (≥8900 lumens) | 250 W Probe Start Metal Halide | 5182 | 0.295 | 1,528.7 | 0.139 | 720.3 | 0.156 | 808.4 | 0.108 | 14 | PSP-Business-Hospital-Lighting_Interior_High_Bay | \$193.25 |
| Business | Retrofit | Lighting -Hospital | LED HIGH BAY FIXTURE | ≤ 175W (≥15,000 lumens) | 400 W Probe Start Metal Halide | 5182 | 0.458 | 2,373.4 | 0.175 | 906.9 | 0.283 | 1,466.5 | 0.196 | 14 | PSP-Business-Hospital-Lighting_Interior_High_Bay | \$133.25 |
| Business | Retrofit | Lighting -Hospital | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Four-lamp High Performance T-8 fixtures (32W) | 250 Watt Metal Halide | 5182 | 0.295 | 1,528.7 | 0.137 | 709.9 | 0.158 | 818.8 | 0.109 | 10 | PSP-Business-Hospital-Lighting_Interior_High_Bay | \$100.00 |
| Business | Retrofit | Lighting -Hospital | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Six-lamp High Performance T-8 fixtures (32W) | 400 Watt Metal Halide | 5182 | 0.450 | 2,331.9 | 0.216 | 1,119.3 | 0.234 | 1,212.6 | 0.162 | 10 | PSP-Business-Hospital-Lighting_Interior_High_Bay | \$110.00 |
| Business | Retrofit | Lighting -Hospital | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Eight-lamp High Performance T-8 fixtures (32W) | 2 x 250 Watt Metal Halide | 5182 | 0.590 | 3,057.4 | 0.288 | 1,492.4 | 0.302 | 1,565.0 | 0.209 | 10 | PSP-Business-Hospital-Lighting_Interior_High_Bay | \$90.00 |
| Business | Retrofit | Lighting -Hospital | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 5182 | 0.024 | 124.4 | 0.005 | 25.9 | 0.019 | 98.5 | 0.013 | 5 | PSP-Business-Hospital-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting -Hospital | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 5182 | 0.035 | 181.4 | 0.007 | 36.3 | 0.028 | 145.1 | 0.019 | 5 | PSP-Business-Hospital-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting -Hospital | T5 MEDIUM AND HIGH BAY FIXTURES | 4-lamp HO T-5 fixtures (54W) | 400 W Probe Start Metal Halide | 5182 | 0.450 | 2,331.9 | 0.224 | 1,160.8 | 0.226 | 1,171.1 | 0.156 | 10 | PSP-Business-Hospital-Lighting_Interior_High_Bay | \$35.00 |
| Business | Retrofit | Lighting -Hospital | T5 MEDIUM AND HIGH BAY FIXTURES | 6-lamp HO T-5 fixtures (54W) | 2 x 250 W Probe Start Metal Halide | 5182 | 0.590 | 3,057.4 | 0.351 | 1,818.9 | 0.239 | 1,238.5 | 0.165 | 10 | PSP-Business-Hospital-Lighting_Interior_High_Bay | \$10.00 |
| Business | Retrofit | Lighting -Hospital | T5 MEDIUM AND HIGH BAY FIXTURES | 8-lamp HO T-5 fixtures (54W) | 3 x 250 W Probe Start Metal Halide | 5182 | 0.885 | 4,586.1 | 0.448 | 2,321.5 | 0.437 | 2,264.5 | 0.302 | 10 | PSP-Business-Hospital-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting -Hospital | T5 MEDIUM AND HIGH BAY FIXTURES | 10-lamp HO T-5 fixtures (54W) | 1000 W Metal Halide with Probe Start Ballast | 5182 | 1.075 | 5,570.7 | 0.560 | 2,901.9 | 0.515 | 2,668.7 | 0.356 | 10 | PSP-Business-Hospital-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting -Hospital | T5 MEDIUM AND HIGH BAY FIXTURES | 12-lamp HO T-5 fixtures (54W) | 3 x 400 W Probe Start Metal Halide | 5182 | 1.350 | 6,995.7 | 0.672 | 3,482.3 | 0.678 | 3,513.4 | 0.469 | 10 | PSP-Business-Hospital-Lighting_Interior_High_Bay | \$200.00 |
| Business | Retrofit | Lighting -Hospital | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 5182 | 0.025 | 129.6 | 0.015 | 77.7 | 0.010 | 51.8 | 0.007 | 10 | PSP-Business-Hospital-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Hospital | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 5182 | 0.032 | 165.8 | 0.022 | 114.0 | 0.010 | 51.8 | 0.007 | 10 | PSP-Business-Hospital-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Hospital | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 5182 | 0.065 | 336.8 | 0.032 | 165.8 | 0.033 | 171.0 | 0.023 | 10 | PSP-Business-Hospital-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting -Hospital | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 5182 | 0.062 | 321.3 | 0.031 | 160.6 | 0.031 | 160.6 | 0.021 | 10 | PSP-Business-Hospital-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting -Hospital | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 5182 | 0.086 | 446.7 | 0.042 | 217.6 | 0.044 | 229.0 | 0.031 | 10 | PSP-Business-Hospital-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting -Hospital | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 5182 | 0.065 | 336.8 | 0.039 | 202.1 | 0.026 | 134.7 | 0.018 | 10 | PSP-Business-Hospital-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting -Hospital | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 5182 | 0.062 | 321.3 | 0.039 | 200.0 | 0.023 | 121.3 | 0.016 | 10 | PSP-Business-Hospital-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting -Hospital | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 5182 | 0.086 | 446.7 | 0.055 | 285.0 | 0.031 | 161.7 | 0.022 | 10 | PSP-Business-Hospital-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting -Hospital | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 5182 | 0.200 | 1,036.4 | 0.2000 | 1,036.4 | 0.000 | 310.9 | 0.042 | 6 | PSP-Business-Hospital-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting -Hospital | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 5182 | 0.012 | 62.2 | 0.0066 | 34.2 | 0.005 | 28.0 | 0.004 | 5 | PSP-Business-Hospital-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting -Hospital | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 5182 | 0.014 | 72.5 | 0.0099 | 51.3 | 0.004 | 21.2 | 0.003 | 5 | PSP-Business-Hospital-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting -Hospital | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 5182 | 0.023 | 119.2 | 0.0124 | 64.3 | 0.011 | 54.9 | 0.007 | 5 | PSP-Business-Hospital-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 7884 | 0.0165 | 130.1 | 0.0094 | 74.1 | 0.007 | 56.0 | 0.007 | 6 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 7884 | 0.020 | 157.7 | 0.012 | 94.6 | 0.008 | 63.1 | 0.008 | 6 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 7884 | 0.025 | 197.1 | 0.0153 | 120.6 | 0.010 | 76.5 | 0.009 | 6 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$47.50 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 7884 | 0.028 | 220.8 | 0.006 | 47.3 | 0.022 | 173.4 | 0.021 | 3 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 7884 | 0.037 | 291.7 | 0.008 | 59.1 | 0.030 | 232.6 | 0.028 | 3 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 7884 | 0.041 | 323.2 | 0.011 | 86.7 | 0.030 | 236.5 | 0.029 | 3 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 7884 | 0.052 | 410.0 | 0.013 | 102.5 | 0.039 | 307.5 | 0.037 | 3 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 7884 | 0.070 | 551.9 | 0.018 | 138.0 | 0.053 | 413.9 | 0.050 | 3 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 7884 | 0.024 | 189.2 | 0.005 | 39.4 | 0.019 | 149.8 | 0.018 | 3 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 7884 | 0.035 | 275.9 | 0.007 | 55.2 | 0.028 | 220.8 | 0.027 | 3 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 7884 | 0.025 | 197.1 | 0.015 | 118.3 | 0.010 | 78.8 | 0.010 | 6 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 7884 | 0.032 | 252.3 | 0.022 | 173.4 | 0.010 | 78.8 | 0.010 | 6 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 7884 | 0.065 | 512.5 | 0.032 | 252.3 | 0.033 | 260.2 | 0.031 | 6 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 7884 | 0.062 | 488.8 | 0.031 | 244.4 | 0.031 | 244.4 | 0.030 | 6 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 7884 | 0.086 | 679.6 | 0.044 | 348.5 | 0.042 | 331.1 | 0.040 | 6 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 7884 | 0.065 | 512.5 | 0.039 | 307.5 | 0.026 | 205.0 | 0.025 | 6 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$70.00 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEARS) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|--|---|--|--|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|-------------------------------|---|----------------------------------|
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 7884 | 0.062 | 488.8 | 0.039 | 304.3 | 0.023 | 184.5 | 0.022 | 6 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 7884 | 0.086 | 679.6 | 0.055 | 433.6 | 0.031 | 246.0 | 0.030 | 6 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 7884 | 0.200 | 1,576.8 | 0.2000 | 1,576.8 | 0.000 | 473.0 | 0.057 | 4 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 7884 | 0.012 | 94.6 | 0.0066 | 52.0 | 0.005 | 42.6 | 0.005 | 3 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 7884 | 0.014 | 110.4 | 0.0099 | 78.1 | 0.004 | 32.3 | 0.004 | 3 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 16W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 7884 | 0.023 | 181.3 | 0.0124 | 97.8 | 0.011 | 83.6 | 0.010 | 3 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 4089 | 0.0165 | 67.5 | 0.0094 | 38.4 | 0.007 | 29.0 | 0.004 | 11 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 4089 | 0.020 | 81.8 | 0.012 | 49.1 | 0.008 | 32.7 | 0.005 | 11 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 4089 | 0.025 | 102.2 | 0.0153 | 62.6 | 0.010 | 39.7 | 0.006 | 11 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$47.50 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 4089 | 0.028 | 114.5 | 0.006 | 24.5 | 0.022 | 90.0 | 0.013 | 6 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 4089 | 0.041 | 151.3 | 0.008 | 30.7 | 0.030 | 120.6 | 0.018 | 6 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 4089 | 0.037 | 167.6 | 0.011 | 45.0 | 0.030 | 122.7 | 0.018 | 6 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 4089 | 0.052 | 212.6 | 0.013 | 53.2 | 0.039 | 159.5 | 0.024 | 6 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 4089 | 0.070 | 286.2 | 0.018 | 71.6 | 0.053 | 214.7 | 0.032 | 6 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED HIGH BAY FIXTURE | ≤ 139W (≥8900 lumens) | 250 W Probe Start Metal Halide | 4089 | 0.295 | 1,206.3 | 0.139 | 568.4 | 0.156 | 637.9 | 0.095 | 17 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$193.25 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED HIGH BAY FIXTURE | ≤ 175W (≥15,000 lumens) | 400 W Probe Start Metal Halide | 4089 | 0.458 | 1,872.8 | 0.175 | 715.6 | 0.283 | 1,157.2 | 0.172 | 17 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$133.25 |
| Business | Retrofit | Lighting -Large Non-Food Retail | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Four-lamp High Performance T-8 fixtures (32W) | 250 Watt Metal Halide | 4089 | 0.295 | 1,206.3 | 0.137 | 560.2 | 0.158 | 646.1 | 0.096 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$100.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Six-lamp High Performance T-8 fixtures (32W) | 400 Watt Metal Halide | 4089 | 0.450 | 1,840.1 | 0.216 | 883.2 | 0.234 | 956.8 | 0.142 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$110.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Eight-lamp High Performance T-8 fixtures (32W) | 2 x 250 Watt Metal Halide | 4089 | 0.590 | 2,412.5 | 0.288 | 1,177.6 | 0.302 | 1,234.9 | 0.183 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$90.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 4089 | 0.024 | 98.1 | 0.005 | 20.4 | 0.019 | 77.7 | 0.012 | 6 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 4089 | 0.035 | 143.1 | 0.007 | 28.6 | 0.028 | 114.5 | 0.017 | 6 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | T5 MEDIUM AND HIGH BAY FIXTURES | 4-lamp HO T-5 fixtures (54W) | 400 W Probe Start Metal Halide | 4089 | 0.450 | 1,840.1 | 0.224 | 915.9 | 0.226 | 924.1 | 0.137 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$35.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | T5 MEDIUM AND HIGH BAY FIXTURES | 6-lamp HO T-5 fixtures (54W) | 2 x 250 W Probe Start Metal Halide | 4089 | 0.590 | 2,412.5 | 0.351 | 1,435.2 | 0.239 | 977.3 | 0.145 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$10.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | T5 MEDIUM AND HIGH BAY FIXTURES | 8-lamp HO T-5 fixtures (54W) | 3 x 250 W Probe Start Metal Halide | 4089 | 0.885 | 3,618.8 | 0.448 | 1,831.9 | 0.437 | 1,786.9 | 0.265 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | T5 MEDIUM AND HIGH BAY FIXTURES | 10-lamp HO T-5 fixtures (54W) | 1000 W Metal Halide with Probe Start Ballast | 4089 | 1.075 | 4,395.7 | 0.560 | 2,289.8 | 0.515 | 2,105.8 | 0.312 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | T5 MEDIUM AND HIGH BAY FIXTURES | 12-lamp HO T-5 fixtures (54W) | 3 x 400 W Probe Start Metal Halide | 4089 | 1.350 | 5,520.2 | 0.672 | 2,747.8 | 0.678 | 2,772.3 | 0.411 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$200.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 4089 | 0.025 | 102.2 | 0.015 | 61.3 | 0.010 | 40.9 | 0.006 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 4089 | 0.032 | 130.8 | 0.022 | 90.0 | 0.010 | 40.9 | 0.006 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Large Non-Food Retail | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W - 2 lamp T8 | 4089 | 0.065 | 265.8 | 0.032 | 130.8 | 0.033 | 134.9 | 0.020 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 4089 | 0.062 | 253.5 | 0.031 | 126.8 | 0.031 | 126.8 | 0.019 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 4089 | 0.086 | 352.5 | 0.042 | 171.7 | 0.044 | 180.7 | 0.027 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W - 2 lamp T8 | 4089 | 0.065 | 265.8 | 0.039 | 159.5 | 0.026 | 106.3 | 0.016 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 4089 | 0.062 | 253.5 | 0.039 | 157.8 | 0.023 | 95.7 | 0.014 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 4089 | 0.086 | 352.5 | 0.055 | 224.9 | 0.031 | 127.6 | 0.019 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 4089 | 0.200 | 817.8 | 0.2000 | 817.8 | 0.000 | 245.3 | 0.036 | 8 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 4089 | 0.012 | 49.1 | 0.0066 | 27.0 | 0.005 | 22.1 | 0.003 | 6 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting -Large Non-Food Retail | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 4089 | 0.014 | 57.2 | 0.0099 | 40.5 | 0.004 | 16.8 | 0.002 | 6 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting -Large Non-Food Retail | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 16W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 4089 | 0.023 | 94.0 | 0.0124 | 50.7 | 0.011 | 43.3 | 0.006 | 6 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Lighting -Large Office | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 3610 | 0.0165 | 59.6 | 0.0094 | 33.9 | 0.007 | 25.6 | 0.004 | 12 | PSP-Business-Large_Office-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting -Large Office | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 3610 | 0.020 | 72.2 | 0.012 | 43.3 | 0.008 | 28.9 | 0.005 | 12 | PSP-Business-Large_Office-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting -Large Office | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 3610 | 0.025 | 90.3 | 0.0153 | 55.2 | 0.010 | 35.0 | 0.006 | 12 | PSP-Business-Large_Office-Lighting_Interior_General | \$47.50 |
| Business | Retrofit | Lighting -Large Office | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 3610 | 0.028 | 101.1 | 0.006 | 21.7 | 0.022 | 79.4 | 0.013 | 7 | PSP-Business-Large_Office-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting -Large Office | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 3610 | 0.037 | 133.6 | 0.008 | 27.1 | 0.030 | 106.5 | 0.018 | 7 | PSP-Business-Large_Office-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting -Large Office | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 3610 | 0.041 | 148.0 | 0.011 | 39.7 | 0.030 | 108.3 | 0.018 | 7 | PSP-Business-Large_Office-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Large Office | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 3610 | 0.052 | 187.7 | 0.013 | 46.9 | 0.039 | 140.8 | 0.024 | 7 | PSP-Business-Large_Office-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Large Office | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 3610 | 0.070 | 252.7 | 0.018 | 63.2 | 0.053 | 189.5 | 0.032 | 7 | PSP-Business-Large_Office-Lighting_Interior_General | \$25.00 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEAR) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|---------------------------------|---|--|--|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|---|----------------------------------|
| Business | Retrofit | Lighting -Large Office | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 3610 | 0.024 | 86.6 | 0.005 | 18.1 | 0.019 | 68.6 | 0.012 | 7 | PSP-Business-Large_Office-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting -Large Office | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 3610 | 0.035 | 126.4 | 0.007 | 25.3 | 0.028 | 101.1 | 0.017 | 7 | PSP-Business-Large_Office-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting -Large Office | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 3610 | 0.025 | 90.3 | 0.015 | 54.2 | 0.010 | 36.1 | 0.006 | 14 | PSP-Business-Large_Office-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Large Office | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 3610 | 0.032 | 115.5 | 0.022 | 79.4 | 0.010 | 36.1 | 0.006 | 14 | PSP-Business-Large_Office-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Large Office | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 3610 | 0.065 | 234.7 | 0.032 | 115.5 | 0.033 | 119.1 | 0.020 | 14 | PSP-Business-Large_Office-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting -Large Office | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 3610 | 0.062 | 223.8 | 0.031 | 111.9 | 0.031 | 111.9 | 0.019 | 14 | PSP-Business-Large_Office-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting -Large Office | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 3610 | 0.086 | 311.2 | 0.042 | 151.6 | 0.044 | 159.6 | 0.027 | 14 | PSP-Business-Large_Office-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting -Large Office | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 3610 | 0.065 | 234.7 | 0.039 | 140.8 | 0.026 | 93.9 | 0.016 | 14 | PSP-Business-Large_Office-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting -Large Office | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 3610 | 0.062 | 223.8 | 0.039 | 139.3 | 0.023 | 84.5 | 0.014 | 14 | PSP-Business-Large_Office-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting -Large Office | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 3610 | 0.086 | 311.2 | 0.055 | 198.6 | 0.031 | 112.6 | 0.019 | 14 | PSP-Business-Large_Office-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting -Large Office | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 3610 | 0.200 | 722.0 | 0.200 | 722.0 | 0.000 | 216.6 | 0.037 | 9 | PSP-Business-Large_Office-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting -Large Office | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 3610 | 0.012 | 43.3 | 0.0066 | 23.8 | 0.005 | 19.5 | 0.003 | 7 | PSP-Business-Large_Office-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting -Large Office | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 3610 | 0.014 | 50.5 | 0.0099 | 35.7 | 0.004 | 14.8 | 0.003 | 7 | PSP-Business-Large_Office-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting -Large Office | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 16W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 3610 | 0.023 | 83.0 | 0.0124 | 44.8 | 0.011 | 38.3 | 0.006 | 7 | PSP-Business-Large_Office-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Lighting -Nursing Home | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 4308 | 0.0165 | 71.1 | 0.0094 | 40.5 | 0.007 | 30.6 | 0.005 | 10 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting -Nursing Home | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 4308 | 0.020 | 86.2 | 0.012 | 51.7 | 0.008 | 34.5 | 0.005 | 10 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting -Nursing Home | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 4308 | 0.025 | 107.7 | 0.0153 | 65.9 | 0.010 | 41.8 | 0.006 | 10 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$47.50 |
| Business | Retrofit | Lighting -Nursing Home | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 4308 | 0.028 | 120.6 | 0.006 | 25.8 | 0.022 | 94.8 | 0.014 | 6 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting -Nursing Home | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 4308 | 0.037 | 159.4 | 0.008 | 32.3 | 0.030 | 127.1 | 0.019 | 6 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting -Nursing Home | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 4308 | 0.041 | 176.6 | 0.011 | 47.4 | 0.030 | 129.2 | 0.020 | 6 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Nursing Home | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 4308 | 0.052 | 224.0 | 0.013 | 56.0 | 0.039 | 168.0 | 0.025 | 6 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Nursing Home | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 4308 | 0.070 | 301.6 | 0.018 | 75.4 | 0.053 | 226.2 | 0.034 | 6 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED HIGH BAY FIXTURE | ≤ 139W (≈8900 lumens) | 250 W Probe Start Metal Halide | 4089 | 0.295 | 1,206.3 | 0.139 | 568.4 | 0.156 | 637.9 | 0.095 | 17 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$193.25 |
| Business | Retrofit | Lighting -Large Non-Food Retail | LED HIGH BAY FIXTURE | ≤ 175W (≈15,000 Lumens) | 400 W Probe Start Metal Halide | 4089 | 0.458 | 1,872.8 | 0.175 | 715.6 | 0.283 | 1,157.2 | 0.172 | 17 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$133.25 |
| Business | Retrofit | Lighting -Large Non-Food Retail | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Four-lamp High Performance T-8 fixtures (32W) | 250 Watt Metal Halide | 4089 | 0.295 | 1,206.3 | 0.137 | 560.2 | 0.158 | 646.1 | 0.096 | 12 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_High_Bay | \$100.00 |
| Business | Retrofit | Lighting -Nursing Home | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Six-lamp High Performance T-8 fixtures (32W) | 400 Watt Metal Halide | 4308 | 0.450 | 1,938.6 | 0.216 | 930.5 | 0.234 | 1,008.1 | 0.152 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_High_Bay | \$110.00 |
| Business | Retrofit | Lighting -Nursing Home | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Eight-lamp High Performance T-8 fixtures (32W) | 2 x 250 Watt Metal Halide | 4308 | 0.590 | 2,541.7 | 0.288 | 1,240.7 | 0.302 | 1,301.0 | 0.197 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_High_Bay | \$90.00 |
| Business | Retrofit | Lighting -Nursing Home | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 4308 | 0.024 | 103.4 | 0.005 | 21.5 | 0.019 | 81.9 | 0.012 | 6 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting -Nursing Home | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 4308 | 0.035 | 150.8 | 0.007 | 30.2 | 0.028 | 120.6 | 0.018 | 6 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting -Nursing Home | TS MEDIUM AND HIGH BAY FIXTURES | 4-lamp HO T-5 fixtures (54W) | 400 W Probe Start Metal Halide | 4308 | 0.450 | 1,938.6 | 0.224 | 965.0 | 0.226 | 973.6 | 0.147 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_High_Bay | \$35.00 |
| Business | Retrofit | Lighting -Nursing Home | TS MEDIUM AND HIGH BAY FIXTURES | 6-lamp HO T-5 fixtures (54W) | 2 x 250 W Probe Start Metal Halide | 4308 | 0.590 | 2,541.7 | 0.351 | 1,512.1 | 0.239 | 1,029.6 | 0.156 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_High_Bay | \$10.00 |
| Business | Retrofit | Lighting -Nursing Home | TS MEDIUM AND HIGH BAY FIXTURES | 8-lamp HO T-5 fixtures (54W) | 3 x 250 W Probe Start Metal Halide | 4308 | 0.885 | 3,812.6 | 0.448 | 1,930.0 | 0.437 | 1,882.6 | 0.285 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting -Nursing Home | TS MEDIUM AND HIGH BAY FIXTURES | 10-lamp HO T-5 fixtures (54W) | 1000 W Metal Halide with Probe Start Ballast | 4308 | 1.075 | 4,631.1 | 0.560 | 2,412.5 | 0.515 | 2,218.6 | 0.335 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting -Nursing Home | TS MEDIUM AND HIGH BAY FIXTURES | 12-lamp HO T-5 fixtures (54W) | 3 x 400 W Probe Start Metal Halide | 4308 | 1.350 | 5,815.8 | 0.672 | 2,895.0 | 0.678 | 2,920.8 | 0.442 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_High_Bay | \$200.00 |
| Business | Retrofit | Lighting -Nursing Home | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 4308 | 0.025 | 107.7 | 0.015 | 64.6 | 0.010 | 43.1 | 0.007 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Nursing Home | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 4308 | 0.032 | 137.9 | 0.022 | 94.8 | 0.010 | 43.1 | 0.007 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Nursing Home | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 4308 | 0.065 | 280.0 | 0.032 | 137.9 | 0.033 | 142.2 | 0.021 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting -Nursing Home | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 4308 | 0.062 | 267.1 | 0.031 | 133.5 | 0.031 | 133.5 | 0.020 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting -Nursing Home | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 4308 | 0.086 | 371.3 | 0.042 | 180.9 | 0.044 | 190.4 | 0.029 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting -Nursing Home | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 4308 | 0.065 | 280.0 | 0.039 | 168.0 | 0.026 | 112.0 | 0.017 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting -Nursing Home | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 4308 | 0.062 | 267.1 | 0.039 | 166.3 | 0.023 | 100.8 | 0.015 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting -Nursing Home | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 4308 | 0.086 | 371.3 | 0.055 | 236.9 | 0.031 | 134.4 | 0.020 | 12 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting -Nursing Home | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 4308 | 0.200 | 861.6 | 0.200 | 861.6 | 0.000 | 258.5 | 0.039 | 7 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting -Nursing Home | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 4308 | 0.012 | 51.7 | 0.0066 | 28.4 | 0.005 | 23.3 | 0.004 | 6 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting -Nursing Home | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 4308 | 0.014 | 60.3 | 0.0099 | 42.6 | 0.004 | 17.7 | 0.003 | 6 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting -Nursing Home | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 16W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 4308 | 0.023 | 99.1 | 0.0124 | 53.4 | 0.011 | 45.7 | 0.007 | 6 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$9.12 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEARS) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|---|---|--|--|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|-------------------------------|---|----------------------------------|
| Business | Retrofit | Lighting-Other Commercial Buildings | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 2857 | 0.0165 | 47.1 | 0.0094 | 26.9 | 0.007 | 20.3 | 0.003 | 15 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting-Other Commercial Buildings | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 2857 | 0.020 | 57.1 | 0.012 | 34.3 | 0.008 | 22.9 | 0.004 | 15 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting-Other Commercial Buildings | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 2857 | 0.025 | 71.4 | 0.0153 | 43.7 | 0.010 | 27.7 | 0.005 | 15 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$47.50 |
| Business | Retrofit | Lighting-Other Commercial Buildings | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 2857 | 0.028 | 80.0 | 0.006 | 17.1 | 0.022 | 62.9 | 0.011 | 9 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting-Other Commercial Buildings | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 2857 | 0.037 | 105.7 | 0.008 | 21.4 | 0.030 | 84.3 | 0.014 | 9 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting-Other Commercial Buildings | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 2857 | 0.041 | 117.1 | 0.011 | 31.4 | 0.030 | 85.7 | 0.015 | 9 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting-Other Commercial Buildings | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 2857 | 0.052 | 148.6 | 0.013 | 37.1 | 0.039 | 111.4 | 0.019 | 9 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting-Other Commercial Buildings | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 2857 | 0.070 | 200.0 | 0.018 | 50.0 | 0.053 | 150.0 | 0.025 | 9 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | LED HIGH BAY FIXTURE | ≤ 139W (≈8900 lumens) | 250 W Probe Start Metal Halide | 2857 | 0.295 | 842.8 | 0.139 | 397.1 | 0.156 | 445.7 | 0.075 | 25 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_High_Bay | \$193.25 |
| Business | Retrofit | Lighting-Other Commercial Buildings | LED HIGH BAY FIXTURE | ≤ 175W (≈15,000 lumens) | 400 W Probe Start Metal Halide | 2857 | 0.458 | 1,308.5 | 0.175 | 500.0 | 0.283 | 808.5 | 0.137 | 25 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_High_Bay | \$133.25 |
| Business | Retrofit | Lighting-Other Commercial Buildings | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Four-lamp High Performance T-8 fixtures (32W) | 250 Watt Metal Halide | 2857 | 0.295 | 842.8 | 0.137 | 391.4 | 0.158 | 451.4 | 0.076 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_High_Bay | \$100.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Six-lamp High Performance T-8 fixtures (32W) | 400 Watt Metal Halide | 2857 | 0.450 | 1,285.7 | 0.216 | 617.1 | 0.234 | 668.5 | 0.113 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_High_Bay | \$110.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Eight-lamp High Performance T-8 fixtures (32W) | 2 x 250 Watt Metal Halide | 2857 | 0.590 | 1,685.6 | 0.288 | 822.8 | 0.302 | 862.8 | 0.146 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_High_Bay | \$90.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 2857 | 0.024 | 68.6 | 0.005 | 14.3 | 0.019 | 54.3 | 0.009 | 9 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 2857 | 0.035 | 100.0 | 0.007 | 20.0 | 0.028 | 80.0 | 0.014 | 9 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | T5 MEDIUM AND HIGH BAY FIXTURES | 4-lamp HO T-5 fixtures (54W) | 400 W Probe Start Metal Halide | 2857 | 0.450 | 1,285.7 | 0.224 | 640.0 | 0.226 | 645.7 | 0.109 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_High_Bay | \$35.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | T5 MEDIUM AND HIGH BAY FIXTURES | 6-lamp HO T-5 fixtures (54W) | 2 x 250 W Probe Start Metal Halide | 2857 | 0.590 | 1,685.6 | 0.351 | 1,002.8 | 0.239 | 682.8 | 0.116 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_High_Bay | \$10.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | T5 MEDIUM AND HIGH BAY FIXTURES | 8-lamp HO T-5 fixtures (54W) | 3 x 250 W Probe Start Metal Halide | 2857 | 0.885 | 2,528.4 | 0.448 | 1,279.9 | 0.437 | 1,248.5 | 0.211 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | T5 MEDIUM AND HIGH BAY FIXTURES | 10-lamp HO T-5 fixtures (54W) | 1000 W Metal Halide with Probe Start Ballast | 2857 | 1.075 | 3,071.3 | 0.560 | 1,599.9 | 0.515 | 1,471.4 | 0.249 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | T5 MEDIUM AND HIGH BAY FIXTURES | 12-lamp HO T-5 fixtures (54W) | 3 x 400 W Probe Start Metal Halide | 2857 | 1.350 | 3,857.0 | 0.672 | 1,919.9 | 0.678 | 1,937.0 | 0.328 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_High_Bay | \$200.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 2857 | 0.025 | 71.4 | 0.015 | 42.9 | 0.010 | 28.6 | 0.005 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting-Other Commercial Buildings | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 2857 | 0.032 | 91.4 | 0.022 | 62.9 | 0.010 | 28.6 | 0.005 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting-Other Commercial Buildings | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 2857 | 0.065 | 185.7 | 0.032 | 91.4 | 0.033 | 94.3 | 0.016 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 2857 | 0.062 | 177.1 | 0.031 | 88.6 | 0.031 | 88.6 | 0.015 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 2857 | 0.086 | 246.3 | 0.042 | 120.0 | 0.044 | 126.3 | 0.021 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 2857 | 0.065 | 185.7 | 0.039 | 111.4 | 0.026 | 74.3 | 0.013 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 2857 | 0.062 | 177.1 | 0.039 | 110.3 | 0.023 | 66.9 | 0.011 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 2857 | 0.086 | 246.3 | 0.055 | 157.1 | 0.031 | 89.1 | 0.015 | 18 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 2857 | 0.200 | 571.4 | 0.200 | 571.4 | 0.000 | 171.4 | 0.029 | 11 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | OCCUPANCY SENSORS | Ceiling / Wall Mounted | No Occupancy Sensor | 2857 | 0.300 | 857.1 | 0.300 | 857.1 | 0.000 | 351.4 | 0.059 | 11 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting-Other Commercial Buildings | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 2857 | 0.012 | 34.3 | 0.0066 | 18.9 | 0.005 | 15.4 | 0.003 | 9 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting-Other Commercial Buildings | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 2857 | 0.014 | 40.0 | 0.0099 | 28.3 | 0.004 | 11.7 | 0.002 | 9 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting-Other Commercial Buildings | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 16W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 2857 | 0.023 | 65.7 | 0.0124 | 35.4 | 0.011 | 30.3 | 0.005 | 9 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 7884 | 0.0165 | 130.1 | 0.0094 | 74.1 | 0.007 | 56.0 | 0.007 | 6 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 7884 | 0.020 | 157.7 | 0.012 | 94.6 | 0.008 | 63.1 | 0.008 | 6 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 7884 | 0.025 | 197.1 | 0.0153 | 120.6 | 0.010 | 76.5 | 0.009 | 6 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$47.50 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 7884 | 0.028 | 220.8 | 0.006 | 47.3 | 0.022 | 173.4 | 0.021 | 3 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 7884 | 0.037 | 291.7 | 0.008 | 59.1 | 0.030 | 232.6 | 0.028 | 3 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 7884 | 0.041 | 323.2 | 0.011 | 86.7 | 0.030 | 236.5 | 0.029 | 3 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 7884 | 0.052 | 410.0 | 0.013 | 102.5 | 0.039 | 307.5 | 0.037 | 3 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 7884 | 0.070 | 551.9 | 0.018 | 138.0 | 0.053 | 413.9 | 0.050 | 3 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 7884 | 0.024 | 189.2 | 0.005 | 39.4 | 0.019 | 149.8 | 0.018 | 3 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 7884 | 0.035 | 275.9 | 0.007 | 55.2 | 0.028 | 220.8 | 0.027 | 3 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 7884 | 0.025 | 197.1 | 0.015 | 118.3 | 0.010 | 78.8 | 0.010 | 6 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 7884 | 0.032 | 252.3 | 0.022 | 173.4 | 0.010 | 78.8 | 0.010 | 6 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 7884 | 0.065 | 512.5 | 0.032 | 252.3 | 0.033 | 260.2 | 0.031 | 6 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$90.00 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEARS) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|---|---|--|--|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|-------------------------------|---|----------------------------------|
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 7884 | 0.062 | 488.8 | 0.031 | 244.4 | 0.031 | 244.4 | 0.030 | 6 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 7884 | 0.086 | 679.6 | 0.042 | 331.1 | 0.044 | 348.5 | 0.042 | 6 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 7884 | 0.065 | 512.5 | 0.039 | 307.5 | 0.026 | 205.0 | 0.025 | 6 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 7884 | 0.062 | 488.8 | 0.039 | 304.3 | 0.023 | 184.5 | 0.022 | 6 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 7884 | 0.086 | 679.6 | 0.055 | 433.6 | 0.031 | 246.0 | 0.030 | 6 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 7884 | 0.200 | 1,576.8 | 0.2000 | 1,576.8 | 0.000 | 473.0 | 0.057 | 4 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | OCCUPANCY SENSORS | Ceiling / Wall Mounted | No Occupancy Sensor | 7884 | 0.300 | 2,365.2 | 0.3000 | 2,365.2 | 0.000 | 969.7 | 0.117 | 4 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 7884 | 0.012 | 94.6 | 0.0066 | 52.0 | 0.005 | 42.6 | 0.005 | 3 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 7884 | 0.014 | 110.4 | 0.0099 | 78.1 | 0.004 | 32.3 | 0.004 | 3 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting-Other Hotel Motel (Corridor/Lobby) | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 16W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 7884 | 0.023 | 181.3 | 0.0124 | 97.8 | 0.011 | 83.6 | 0.010 | 3 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Lighting-Other Non-Food Retail | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 4089 | 0.0165 | 67.5 | 0.0094 | 38.4 | 0.007 | 29.0 | 0.006 | 11 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting-Other Non-Food Retail | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 4089 | 0.020 | 81.8 | 0.012 | 49.1 | 0.008 | 32.7 | 0.007 | 11 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting-Other Non-Food Retail | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 4089 | 0.025 | 102.2 | 0.0153 | 62.6 | 0.010 | 39.7 | 0.009 | 11 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$47.50 |
| Business | Retrofit | Lighting-Other Non-Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 4089 | 0.028 | 114.5 | 0.006 | 24.5 | 0.022 | 90.0 | 0.020 | 6 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting-Other Non-Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 4089 | 0.037 | 151.3 | 0.008 | 30.7 | 0.030 | 120.6 | 0.026 | 6 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting-Other Non-Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 500 Lumens | 38W-43W Halogen or Incandescent Lamp | 4089 | 0.041 | 167.6 | 0.011 | 45.0 | 0.030 | 122.7 | 0.027 | 6 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting-Other Non-Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 4089 | 0.052 | 212.6 | 0.013 | 53.2 | 0.039 | 159.5 | 0.035 | 6 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting-Other Non-Food Retail | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 4089 | 0.070 | 286.2 | 0.018 | 71.6 | 0.053 | 214.7 | 0.047 | 6 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | LED HIGH BAY FIXTURE | ≤ 139W (≈8900 lumens) | 250 W Probe Start Metal Halide | 4089 | 0.295 | 1,206.3 | 0.139 | 568.4 | 0.156 | 637.9 | 0.140 | 17 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_High_Bay | \$193.25 |
| Business | Retrofit | Lighting-Other Non-Food Retail | LED HIGH BAY FIXTURE | ≤ 175W (≈15,000 lumens) | 400 W Probe Start Metal Halide | 4089 | 0.458 | 1,872.8 | 0.175 | 715.6 | 0.283 | 1,157.2 | 0.253 | 17 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_High_Bay | \$133.25 |
| Business | Retrofit | Lighting-Other Non-Food Retail | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Four-lamp High Performance T-8 fixtures (32W) | 250 Watt Metal Halide | 4089 | 0.295 | 1,206.3 | 0.137 | 560.2 | 0.158 | 646.1 | 0.141 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_High_Bay | \$100.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Six-lamp High Performance T-8 fixtures (32W) | 400 Watt Metal Halide | 4089 | 0.450 | 1,840.1 | 0.216 | 883.2 | 0.234 | 956.8 | 0.209 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_High_Bay | \$110.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Eight-lamp High Performance T-8 fixtures (32W) | 2 x 250 Watt Metal Halide | 4089 | 0.590 | 2,412.5 | 0.288 | 1,177.6 | 0.302 | 1,234.9 | 0.270 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_High_Bay | \$90.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 4089 | 0.024 | 98.1 | 0.005 | 20.4 | 0.019 | 77.7 | 0.017 | 6 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 4089 | 0.035 | 143.1 | 0.007 | 28.6 | 0.028 | 114.5 | 0.025 | 6 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | T5 MEDIUM AND HIGH BAY FIXTURES | 4-lamp HO T-5 fixtures (54W) | 400 W Probe Start Metal Halide | 4089 | 0.450 | 1,840.1 | 0.224 | 915.9 | 0.226 | 924.1 | 0.202 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_High_Bay | \$35.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | T5 MEDIUM AND HIGH BAY FIXTURES | 6-lamp HO T-5 fixtures (54W) | 2 x 250 W Probe Start Metal Halide | 4089 | 0.590 | 2,412.5 | 0.351 | 1,435.2 | 0.239 | 977.3 | 0.214 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_High_Bay | \$100.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | T5 MEDIUM AND HIGH BAY FIXTURES | 8-lamp HO T-5 fixtures (54W) | 3 x 250 W Probe Start Metal Halide | 4089 | 0.885 | 3,618.8 | 0.448 | 1,831.9 | 0.437 | 1,786.9 | 0.391 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | T5 MEDIUM AND HIGH BAY FIXTURES | 10-lamp HO T-5 fixtures (54W) | 1000 W Metal Halide with Probe Start Ballast | 4089 | 1.075 | 4,395.7 | 0.560 | 2,289.8 | 0.515 | 2,105.8 | 0.461 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | T5 MEDIUM AND HIGH BAY FIXTURES | 12-lamp HO T-5 fixtures (54W) | 3 x 400 W Probe Start Metal Halide | 4089 | 1.350 | 5,520.2 | 0.672 | 2,747.8 | 0.678 | 2,772.3 | 0.607 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_High_Bay | \$200.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 4089 | 0.025 | 102.2 | 0.015 | 61.3 | 0.010 | 40.9 | 0.009 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting-Other Non-Food Retail | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 4089 | 0.032 | 130.8 | 0.022 | 90.0 | 0.010 | 40.9 | 0.009 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting-Other Non-Food Retail | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 4089 | 0.065 | 265.8 | 0.032 | 130.8 | 0.033 | 134.9 | 0.030 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 4089 | 0.062 | 253.5 | 0.031 | 126.8 | 0.031 | 126.8 | 0.028 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 4089 | 0.086 | 352.5 | 0.042 | 171.7 | 0.044 | 180.7 | 0.040 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 4089 | 0.065 | 265.8 | 0.039 | 159.5 | 0.026 | 106.3 | 0.023 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 4089 | 0.062 | 253.5 | 0.039 | 157.8 | 0.023 | 95.7 | 0.021 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 4089 | 0.086 | 352.5 | 0.055 | 224.9 | 0.031 | 127.6 | 0.028 | 12 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 4089 | 0.200 | 817.8 | 0.2000 | 817.8 | 0.000 | 245.3 | 0.054 | 8 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | OCCUPANCY SENSORS | Ceiling / Wall Mounted | No Occupancy Sensor | 4089 | 0.300 | 1,226.7 | 0.3000 | 1,226.7 | 0.000 | 502.9 | 0.110 | 8 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting-Other Non-Food Retail | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 4089 | 0.012 | 49.1 | 0.0066 | 27.0 | 0.005 | 22.1 | 0.005 | 6 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting-Other Non-Food Retail | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 4089 | 0.014 | 57.2 | 0.0099 | 40.5 | 0.004 | 16.8 | 0.004 | 6 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting-Other Non-Food Retail | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 16W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 4089 | 0.023 | 94.0 | 0.0124 | 50.7 | 0.011 | 43.3 | 0.009 | 6 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Lighting-Other Office | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 3610 | 0.0165 | 59.6 | 0.0094 | 33.9 | 0.007 | 25.6 | 0.004 | 12 | PSP-Business-Other_Office-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting-Other Office | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 3610 | 0.020 | 72.2 | 0.012 | 43.3 | 0.008 | 28.9 | 0.005 | 12 | PSP-Business-Other_Office-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting-Other Office | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 3610 | 0.025 | 90.3 | 0.0153 | 55.2 | 0.010 | 35.0 | 0.006 | 12 | PSP-Business-Other_Office-Lighting_Interior_General | \$47.50 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEARS) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|-------------------------|---|--|--------------------------------------|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|-------------------------------|---|----------------------------------|
| Business | Retrofit | Lighting - Other Office | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 3610 | 0.028 | 101.1 | 0.006 | 21.7 | 0.022 | 79.4 | 0.013 | 7 | PSP-Business-Other_Office-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting - Other Office | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 3610 | 0.037 | 133.6 | 0.008 | 27.1 | 0.030 | 106.5 | 0.018 | 7 | PSP-Business-Other_Office-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting - Other Office | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 3610 | 0.041 | 148.0 | 0.011 | 39.7 | 0.030 | 108.3 | 0.018 | 7 | PSP-Business-Other_Office-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting - Other Office | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 3610 | 0.052 | 187.7 | 0.013 | 46.9 | 0.039 | 140.8 | 0.024 | 7 | PSP-Business-Other_Office-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting - Other Office | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 3610 | 0.070 | 252.7 | 0.018 | 63.2 | 0.053 | 189.5 | 0.032 | 7 | PSP-Business-Other_Office-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting - Other Office | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 3610 | 0.024 | 86.6 | 0.005 | 18.1 | 0.019 | 68.6 | 0.012 | 7 | PSP-Business-Other_Office-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting - Other Office | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 3610 | 0.035 | 126.4 | 0.007 | 25.3 | 0.028 | 101.1 | 0.017 | 7 | PSP-Business-Other_Office-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting - Other Office | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 3610 | 0.025 | 90.3 | 0.015 | 54.2 | 0.010 | 36.1 | 0.006 | 14 | PSP-Business-Other_Office-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting - Other Office | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 3610 | 0.032 | 115.5 | 0.022 | 79.4 | 0.010 | 36.1 | 0.006 | 14 | PSP-Business-Other_Office-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting - Other Office | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 3610 | 0.065 | 234.7 | 0.032 | 115.5 | 0.033 | 119.1 | 0.020 | 14 | PSP-Business-Other_Office-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting - Other Office | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 3610 | 0.062 | 223.8 | 0.031 | 111.9 | 0.031 | 111.9 | 0.019 | 14 | PSP-Business-Other_Office-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting - Other Office | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 3610 | 0.086 | 311.2 | 0.042 | 151.6 | 0.044 | 159.6 | 0.027 | 14 | PSP-Business-Other_Office-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting - Other Office | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 3610 | 0.065 | 234.7 | 0.039 | 140.8 | 0.026 | 93.9 | 0.016 | 14 | PSP-Business-Other_Office-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting - Other Office | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 3610 | 0.062 | 223.8 | 0.039 | 139.3 | 0.023 | 84.5 | 0.014 | 14 | PSP-Business-Other_Office-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting - Other Office | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 3610 | 0.086 | 311.2 | 0.055 | 198.6 | 0.031 | 112.6 | 0.019 | 14 | PSP-Business-Other_Office-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting - Other Office | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 3610 | 0.200 | 722.0 | 0.2000 | 722.0 | 0.000 | 216.6 | 0.037 | 9 | PSP-Business-Other_Office-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting - Other Office | OCCUPANCY SENSORS | Ceiling / Wall Mounted | No Occupancy Sensor | 3610 | 0.300 | 1,083.0 | 0.3000 | 1,083.0 | 0.000 | 444.0 | 0.075 | 9 | PSP-Business-Other_Office-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting - Other Office | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 3610 | 0.012 | 43.3 | 0.0066 | 23.8 | 0.005 | 19.5 | 0.003 | 7 | PSP-Business-Other_Office-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting - Other Office | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 3610 | 0.014 | 50.5 | 0.0099 | 35.7 | 0.004 | 14.8 | 0.003 | 7 | PSP-Business-Other_Office-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting - Other Office | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 16W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 3610 | 0.023 | 83.0 | 0.0124 | 44.8 | 0.011 | 38.3 | 0.006 | 7 | PSP-Business-Other_Office-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Lighting - Restaurant | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 5110 | 0.0165 | 84.3 | 0.0094 | 48.0 | 0.007 | 36.3 | 0.006 | 9 | PSP-Business-Restaurant-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting - Restaurant | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 5110 | 0.020 | 102.2 | 0.012 | 61.3 | 0.008 | 40.9 | 0.007 | 9 | PSP-Business-Restaurant-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting - Restaurant | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 5110 | 0.025 | 127.8 | 0.0153 | 78.2 | 0.010 | 49.6 | 0.008 | 9 | PSP-Business-Restaurant-Lighting_Interior_General | \$47.50 |
| Business | Retrofit | Lighting - Restaurant | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 5110 | 0.028 | 143.1 | 0.006 | 30.7 | 0.022 | 112.4 | 0.018 | 5 | PSP-Business-Restaurant-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting - Restaurant | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 5110 | 0.037 | 189.1 | 0.008 | 38.3 | 0.030 | 150.7 | 0.025 | 5 | PSP-Business-Restaurant-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting - Restaurant | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 5110 | 0.041 | 209.5 | 0.011 | 56.2 | 0.030 | 153.3 | 0.025 | 5 | PSP-Business-Restaurant-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting - Restaurant | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 5110 | 0.052 | 265.7 | 0.013 | 66.4 | 0.039 | 199.3 | 0.033 | 5 | PSP-Business-Restaurant-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting - Restaurant | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 5110 | 0.070 | 357.7 | 0.018 | 89.4 | 0.053 | 268.3 | 0.044 | 5 | PSP-Business-Restaurant-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting - Restaurant | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 5110 | 0.024 | 122.6 | 0.005 | 25.6 | 0.019 | 97.1 | 0.016 | 5 | PSP-Business-Restaurant-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting - Restaurant | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 5110 | 0.035 | 178.9 | 0.007 | 35.8 | 0.028 | 143.1 | 0.023 | 5 | PSP-Business-Restaurant-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting - Restaurant | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 5110 | 0.025 | 127.8 | 0.015 | 76.7 | 0.010 | 51.1 | 0.008 | 10 | PSP-Business-Restaurant-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting - Restaurant | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 5110 | 0.032 | 163.5 | 0.022 | 112.4 | 0.010 | 51.1 | 0.008 | 10 | PSP-Business-Restaurant-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting - Restaurant | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 5110 | 0.065 | 332.2 | 0.032 | 163.5 | 0.033 | 168.6 | 0.028 | 10 | PSP-Business-Restaurant-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting - Restaurant | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 5110 | 0.062 | 316.8 | 0.031 | 158.4 | 0.031 | 158.4 | 0.026 | 10 | PSP-Business-Restaurant-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting - Restaurant | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 5110 | 0.086 | 440.5 | 0.042 | 214.6 | 0.044 | 225.9 | 0.037 | 10 | PSP-Business-Restaurant-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting - Restaurant | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 5110 | 0.065 | 332.2 | 0.039 | 199.3 | 0.026 | 132.9 | 0.022 | 10 | PSP-Business-Restaurant-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting - Restaurant | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 5110 | 0.062 | 316.8 | 0.039 | 197.2 | 0.023 | 119.6 | 0.020 | 10 | PSP-Business-Restaurant-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting - Restaurant | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 5110 | 0.086 | 440.5 | 0.055 | 281.1 | 0.031 | 159.4 | 0.026 | 10 | PSP-Business-Restaurant-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting - Restaurant | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 5110 | 0.200 | 1,022.0 | 0.2000 | 1,022.0 | 0.000 | 306.6 | 0.050 | 6 | PSP-Business-Restaurant-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting - Restaurant | OCCUPANCY SENSORS | Ceiling / Wall Mounted | No Occupancy Sensor | 5110 | 0.300 | 1,533.0 | 0.3000 | 1,533.0 | 0.000 | 628.5 | 0.103 | 6 | PSP-Business-Restaurant-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting - Restaurant | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 5110 | 0.012 | 61.3 | 0.0066 | 33.7 | 0.005 | 27.6 | 0.005 | 5 | PSP-Business-Restaurant-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting - Restaurant | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 5110 | 0.014 | 71.5 | 0.0099 | 50.6 | 0.004 | 21.0 | 0.003 | 5 | PSP-Business-Restaurant-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting - Restaurant | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 16W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 5110 | 0.023 | 117.5 | 0.0124 | 63.4 | 0.011 | 54.2 | 0.009 | 5 | PSP-Business-Restaurant-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Lighting - Schools | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 2596 | 0.0165 | 42.8 | 0.0094 | 24.4 | 0.007 | 18.4 | 0.001 | 17 | PSP-Business-Schools-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting - Schools | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 2596 | 0.020 | 51.9 | 0.012 | 31.2 | 0.008 | 20.8 | 0.001 | 17 | PSP-Business-Schools-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting - Schools | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 2596 | 0.025 | 64.9 | 0.0153 | 39.7 | 0.010 | 25.2 | 0.001 | 17 | PSP-Business-Schools-Lighting_Interior_General | \$47.50 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEARS) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|-------------------------------|---|--|--|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|-------------------------------|---|----------------------------------|
| Business | Retrofit | Lighting -Schools | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 2596 | 0.028 | 72.7 | 0.006 | 15.6 | 0.022 | 57.1 | 0.003 | 10 | PSP-Business-Schools-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting -Schools | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 2596 | 0.037 | 96.1 | 0.008 | 19.5 | 0.030 | 76.6 | 0.004 | 10 | PSP-Business-Schools-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting -Schools | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 2596 | 0.041 | 106.4 | 0.011 | 28.6 | 0.030 | 77.9 | 0.004 | 10 | PSP-Business-Schools-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Schools | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 2596 | 0.052 | 135.0 | 0.013 | 33.7 | 0.039 | 101.2 | 0.005 | 10 | PSP-Business-Schools-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Schools | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 2596 | 0.070 | 181.7 | 0.018 | 45.4 | 0.053 | 136.3 | 0.007 | 10 | PSP-Business-Schools-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting -Schools | LED HIGH BAY FIXTURE | ≤ 139W (≈8900 lumens) | 250 W Probe Start Metal Halide | 2596 | 0.295 | 765.8 | 0.139 | 360.8 | 0.156 | 405.0 | 0.020 | 27 | PSP-Business-Schools-Lighting_Interior_High_Bay | \$193.25 |
| Business | Retrofit | Lighting -Schools | LED HIGH BAY FIXTURE | ≤ 175W (≈15,000 lumens) | 400 W Probe Start Metal Halide | 2596 | 0.458 | 1,189.0 | 0.175 | 454.3 | 0.283 | 734.7 | 0.037 | 27 | PSP-Business-Schools-Lighting_Interior_High_Bay | \$133.25 |
| Business | Retrofit | Lighting -Schools | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Four-lamp High Performance T-8 fixtures (32W) | 250 Watt Metal Halide | 2596 | 0.295 | 765.8 | 0.137 | 355.7 | 0.158 | 410.2 | 0.021 | 19 | PSP-Business-Schools-Lighting_Interior_High_Bay | \$100.00 |
| Business | Retrofit | Lighting -Schools | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Six-lamp High Performance T-8 fixtures (32W) | 400 Watt Metal Halide | 2596 | 0.450 | 1,168.2 | 0.216 | 560.7 | 0.234 | 607.5 | 0.031 | 19 | PSP-Business-Schools-Lighting_Interior_High_Bay | \$110.00 |
| Business | Retrofit | Lighting -Schools | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Eight-lamp High Performance T-8 fixtures (32W) | 2 x 250 Watt Metal Halide | 2596 | 0.590 | 1,531.6 | 0.288 | 747.6 | 0.302 | 784.0 | 0.039 | 19 | PSP-Business-Schools-Lighting_Interior_High_Bay | \$90.00 |
| Business | Retrofit | Lighting -Schools | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 2596 | 0.024 | 62.3 | 0.005 | 13.0 | 0.019 | 49.3 | 0.002 | 10 | PSP-Business-Schools-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting -Schools | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 2596 | 0.035 | 90.9 | 0.007 | 18.2 | 0.028 | 72.7 | 0.004 | 10 | PSP-Business-Schools-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting -Schools | T5 MEDIUM AND HIGH BAY FIXTURES | 4-lamp HO T-5 fixtures (54W) | 400 W Probe Start Metal Halide | 2596 | 0.450 | 1,168.2 | 0.224 | 581.5 | 0.226 | 586.7 | 0.030 | 19 | PSP-Business-Schools-Lighting_Interior_High_Bay | \$35.00 |
| Business | Retrofit | Lighting -Schools | T5 MEDIUM AND HIGH BAY FIXTURES | 6-lamp HO T-5 fixtures (54W) | 2 x 250 W Probe Start Metal Halide | 2596 | 0.590 | 1,531.6 | 0.351 | 911.2 | 0.239 | 620.4 | 0.031 | 19 | PSP-Business-Schools-Lighting_Interior_High_Bay | \$10.00 |
| Business | Retrofit | Lighting -Schools | T5 MEDIUM AND HIGH BAY FIXTURES | 8-lamp HO T-5 fixtures (54W) | 3 x 250 W Probe Start Metal Halide | 2596 | 0.885 | 2,297.5 | 0.448 | 1,163.0 | 0.437 | 1,134.5 | 0.057 | 19 | PSP-Business-Schools-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting -Schools | T5 MEDIUM AND HIGH BAY FIXTURES | 10-lamp HO T-5 fixtures (54W) | 1000 W Metal Halide with Probe Start Ballast | 2596 | 1.075 | 2,790.7 | 0.560 | 1,453.8 | 0.515 | 1,336.9 | 0.067 | 19 | PSP-Business-Schools-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting -Schools | T5 MEDIUM AND HIGH BAY FIXTURES | 12-lamp HO T-5 fixtures (54W) | 3 x 400 W Probe Start Metal Halide | 2596 | 1.350 | 3,504.6 | 0.672 | 1,744.5 | 0.678 | 1,760.1 | 0.089 | 19 | PSP-Business-Schools-Lighting_Interior_High_Bay | \$200.00 |
| Business | Retrofit | Lighting -Schools | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 2596 | 0.025 | 64.9 | 0.015 | 38.9 | 0.010 | 26.0 | 0.001 | 19 | PSP-Business-Schools-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Schools | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 2596 | 0.032 | 83.1 | 0.022 | 57.1 | 0.010 | 26.0 | 0.001 | 19 | PSP-Business-Schools-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Schools | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 2596 | 0.065 | 168.7 | 0.032 | 83.3 | 0.033 | 85.7 | 0.004 | 19 | PSP-Business-Schools-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting -Schools | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 2596 | 0.062 | 161.0 | 0.031 | 80.5 | 0.031 | 80.5 | 0.004 | 19 | PSP-Business-Schools-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting -Schools | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 2596 | 0.086 | 223.8 | 0.042 | 109.0 | 0.044 | 114.7 | 0.006 | 19 | PSP-Business-Schools-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting -Schools | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 2596 | 0.065 | 168.7 | 0.039 | 101.2 | 0.026 | 67.5 | 0.003 | 19 | PSP-Business-Schools-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting -Schools | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 2596 | 0.062 | 161.0 | 0.039 | 100.2 | 0.023 | 60.7 | 0.003 | 19 | PSP-Business-Schools-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting -Schools | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 2596 | 0.086 | 223.8 | 0.055 | 142.8 | 0.031 | 81.0 | 0.004 | 19 | PSP-Business-Schools-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting -Schools | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 2596 | 0.200 | 519.2 | 0.2000 | 519.2 | 0.000 | 155.8 | 0.008 | 12 | PSP-Business-Schools-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting -Schools | OCCUPANCY SENSORS | Ceiling / Wall Mounted | No Occupancy Sensor | 2596 | 0.300 | 778.8 | 0.3000 | 778.8 | 0.000 | 319.3 | 0.016 | 12 | PSP-Business-Schools-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Schools | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 2596 | 0.012 | 31.2 | 0.0066 | 17.1 | 0.005 | 14.0 | 0.001 | 10 | PSP-Business-Schools-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting -Schools | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 2596 | 0.014 | 36.3 | 0.0099 | 25.7 | 0.004 | 10.6 | 0.001 | 10 | PSP-Business-Schools-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting -Schools | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 16W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 2596 | 0.023 | 59.7 | 0.0124 | 32.2 | 0.011 | 27.5 | 0.001 | 10 | PSP-Business-Schools-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Lighting -University Colleges | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 3255 | 0.0165 | 53.7 | 0.0094 | 30.6 | 0.007 | 23.1 | 0.003 | 14 | PSP-Business-University_Colleges-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting -University Colleges | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 3255 | 0.020 | 65.1 | 0.012 | 39.1 | 0.008 | 26.0 | 0.003 | 14 | PSP-Business-University_Colleges-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting -University Colleges | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 3255 | 0.025 | 81.4 | 0.0153 | 49.8 | 0.010 | 31.6 | 0.004 | 14 | PSP-Business-University_Colleges-Lighting_Interior_General | \$47.50 |
| Business | Retrofit | Lighting -University Colleges | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 3255 | 0.028 | 91.1 | 0.006 | 19.5 | 0.022 | 71.6 | 0.009 | 8 | PSP-Business-University_Colleges-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting -University Colleges | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 3255 | 0.037 | 120.4 | 0.008 | 24.4 | 0.030 | 96.0 | 0.013 | 8 | PSP-Business-University_Colleges-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting -University Colleges | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 3255 | 0.041 | 133.5 | 0.011 | 35.8 | 0.030 | 97.7 | 0.013 | 8 | PSP-Business-University_Colleges-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -University Colleges | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 3255 | 0.052 | 169.3 | 0.013 | 42.3 | 0.039 | 126.9 | 0.017 | 8 | PSP-Business-University_Colleges-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -University Colleges | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 3255 | 0.070 | 227.9 | 0.018 | 57.0 | 0.053 | 170.9 | 0.023 | 8 | PSP-Business-University_Colleges-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting -University Colleges | LED HIGH BAY FIXTURE | ≤ 139W (≈8900 lumens) | 250 W Probe Start Metal Halide | 3255 | 0.295 | 960.2 | 0.139 | 452.4 | 0.156 | 507.8 | 0.067 | 22 | PSP-Business-University_Colleges-Lighting_Interior_High_Bay | \$193.25 |
| Business | Retrofit | Lighting -University Colleges | LED HIGH BAY FIXTURE | ≤ 175W (≈15,000 lumens) | 400 W Probe Start Metal Halide | 3255 | 0.458 | 1,490.8 | 0.175 | 569.6 | 0.283 | 921.2 | 0.122 | 22 | PSP-Business-University_Colleges-Lighting_Interior_High_Bay | \$133.25 |
| Business | Retrofit | Lighting -University Colleges | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Four-lamp High Performance T-8 fixtures (32W) | 250 Watt Metal Halide | 3255 | 0.295 | 960.2 | 0.137 | 445.9 | 0.158 | 514.3 | 0.068 | 15 | PSP-Business-University_Colleges-Lighting_Interior_High_Bay | \$100.00 |
| Business | Retrofit | Lighting -University Colleges | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Six-lamp High Performance T-8 fixtures (32W) | 400 Watt Metal Halide | 3255 | 0.450 | 1,464.8 | 0.216 | 703.1 | 0.234 | 761.7 | 0.101 | 15 | PSP-Business-University_Colleges-Lighting_Interior_High_Bay | \$110.00 |
| Business | Retrofit | Lighting -University Colleges | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Eight-lamp High Performance T-8 fixtures (32W) | 2 x 250 Watt Metal Halide | 3255 | 0.590 | 1,920.5 | 0.288 | 937.4 | 0.302 | 983.0 | 0.130 | 15 | PSP-Business-University_Colleges-Lighting_Interior_High_Bay | \$90.00 |
| Business | Retrofit | Lighting -University Colleges | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 3255 | 0.024 | 78.1 | 0.005 | 16.3 | 0.019 | 61.8 | 0.008 | 8 | PSP-Business-University_Colleges-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting -University Colleges | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 3255 | 0.035 | 113.9 | 0.007 | 22.8 | 0.028 | 91.1 | 0.012 | 8 | PSP-Business-University_Colleges-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting -University Colleges | T5 MEDIUM AND HIGH BAY FIXTURES | 4-lamp HO T-5 fixtures (54W) | 400 W Probe Start Metal Halide | 3255 | 0.450 | 1,464.8 | 0.224 | 729.1 | 0.226 | 735.6 | 0.098 | 15 | PSP-Business-University_Colleges-Lighting_Interior_High_Bay | \$35.00 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEAR) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|-------------------------------|---|--|--|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|---|----------------------------------|
| Business | Retrofit | Lighting -University Colleges | T5 MEDIUM AND HIGH BAY FIXTURES | 6-lamp HO T-5 fixtures (54W) | 2 x 250 W Probe Start Metal Halide | 3255 | 0.590 | 1,920.5 | 0.351 | 1,142.5 | 0.239 | 777.9 | 0.103 | 15 | PSP-Business-University_Colleges-Lighting_Interior_High_Bay | \$10.00 |
| Business | Retrofit | Lighting -University Colleges | T5 MEDIUM AND HIGH BAY FIXTURES | 8-lamp HO T-5 fixtures (54W) | 3 x 250 W Probe Start Metal Halide | 3255 | 0.885 | 2,880.7 | 0.448 | 1,458.2 | 0.437 | 1,422.4 | 0.189 | 15 | PSP-Business-University_Colleges-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting -University Colleges | T5 MEDIUM AND HIGH BAY FIXTURES | 10-lamp HO T-5 fixtures (54W) | 1000 W Metal Halide with Probe Start Ballast | 3255 | 1.075 | 3,499.1 | 0.560 | 1,822.8 | 0.515 | 1,676.3 | 0.222 | 15 | PSP-Business-University_Colleges-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting -University Colleges | T5 MEDIUM AND HIGH BAY FIXTURES | 12-lamp HO T-5 fixtures (54W) | 3 x 400 W Probe Start Metal Halide | 3255 | 1.350 | 4,394.3 | 0.672 | 2,187.4 | 0.678 | 2,206.9 | 0.293 | 15 | PSP-Business-University_Colleges-Lighting_Interior_High_Bay | \$200.00 |
| Business | Retrofit | Lighting -University Colleges | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 3255 | 0.025 | 81.4 | 0.015 | 48.8 | 0.010 | 32.6 | 0.004 | 15 | PSP-Business-University_Colleges-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -University Colleges | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 3255 | 0.032 | 104.2 | 0.022 | 71.6 | 0.010 | 32.6 | 0.004 | 15 | PSP-Business-University_Colleges-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -University Colleges | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 3255 | 0.065 | 211.6 | 0.032 | 104.2 | 0.033 | 107.4 | 0.014 | 15 | PSP-Business-University_Colleges-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting -University Colleges | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 3255 | 0.062 | 201.8 | 0.031 | 100.9 | 0.031 | 100.9 | 0.013 | 15 | PSP-Business-University_Colleges-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting -University Colleges | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 3255 | 0.086 | 280.6 | 0.042 | 136.7 | 0.044 | 143.9 | 0.019 | 15 | PSP-Business-University_Colleges-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting -University Colleges | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 3255 | 0.065 | 211.6 | 0.039 | 126.9 | 0.026 | 84.6 | 0.011 | 15 | PSP-Business-University_Colleges-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting -University Colleges | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 3255 | 0.062 | 201.8 | 0.039 | 125.6 | 0.023 | 76.2 | 0.010 | 15 | PSP-Business-University_Colleges-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting -University Colleges | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 3255 | 0.086 | 280.6 | 0.055 | 179.0 | 0.051 | 101.6 | 0.013 | 15 | PSP-Business-University_Colleges-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting -University Colleges | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 3255 | 0.200 | 651.0 | 0.2000 | 651.0 | 0.000 | 195.3 | 0.026 | 10 | PSP-Business-University_Colleges-Lighting_Interior_General | \$55.00 |
| Business | Retrofit | Lighting -University Colleges | OCCUPANCY SENSORS | Ceiling / Wall Mounted | No Occupancy Sensor | 3255 | 0.300 | 976.5 | 0.3000 | 976.5 | 0.000 | 400.4 | 0.053 | 10 | PSP-Business-University_Colleges-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -University Colleges | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 3255 | 0.012 | 39.1 | 0.0066 | 21.5 | 0.005 | 17.6 | 0.002 | 8 | PSP-Business-University_Colleges-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting -University Colleges | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 3255 | 0.014 | 45.6 | 0.0099 | 32.2 | 0.004 | 13.3 | 0.002 | 8 | PSP-Business-University_Colleges-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting -University Colleges | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 16W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 3255 | 0.023 | 74.9 | 0.0124 | 40.4 | 0.011 | 34.5 | 0.005 | 8 | PSP-Business-University_Colleges-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Lighting -Warehouse Wholesale | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 400 and < 600 lumens | ENERGY STAR® 15 or 18W CFL | 3759 | 0.0165 | 62.0 | 0.0094 | 35.3 | 0.007 | 26.7 | 0.005 | 12 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting -Warehouse Wholesale | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 600 and < 800 lumens | ENERGY STAR® 20W CFL | 3759 | 0.020 | 75.2 | 0.012 | 45.1 | 0.008 | 30.1 | 0.006 | 12 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$28.50 |
| Business | Retrofit | Lighting -Warehouse Wholesale | LED RECESSED DOWNLIGHTS | LED Downlight with Light Output ≥ 800 lumens | ENERGY STAR® 25W CFL | 3759 | 0.025 | 94.0 | 0.0153 | 57.5 | 0.010 | 36.5 | 0.007 | 12 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$47.50 |
| Business | Retrofit | Lighting -Warehouse Wholesale | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 7W ≥ 250 Lumens | 20W-35W Halogen or Incandescent Lamp | 3759 | 0.028 | 105.3 | 0.006 | 22.6 | 0.022 | 82.7 | 0.016 | 7 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$7.50 |
| Business | Retrofit | Lighting -Warehouse Wholesale | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 14W ≥ 400 Lumens | 35W-38W Halogen or Incandescent Lamp | 3759 | 0.037 | 139.1 | 0.008 | 28.2 | 0.030 | 110.9 | 0.022 | 7 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$15.50 |
| Business | Retrofit | Lighting -Warehouse Wholesale | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 16W ≥ 600 Lumens | 38W-43W Halogen or Incandescent Lamp | 3759 | 0.041 | 154.1 | 0.011 | 41.3 | 0.030 | 112.8 | 0.022 | 7 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Warehouse Wholesale | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 20W ≥ 800 Lumens | 43W-60W Halogen or Incandescent Lamp | 3759 | 0.052 | 195.5 | 0.013 | 48.9 | 0.039 | 146.6 | 0.029 | 7 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$27.50 |
| Business | Retrofit | Lighting -Warehouse Wholesale | LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE | ≤ 30W ≥ 1100 Lumens | 60W-80W Halogen or Incandescent Lamp | 3759 | 0.070 | 263.1 | 0.018 | 65.8 | 0.053 | 197.3 | 0.038 | 7 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$25.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | LED HIGH BAY FIXTURE | ≤ 139W (≈8900 lumens) | 250 W Probe Start Metal Halide | 3759 | 0.295 | 1,108.9 | 0.139 | 522.5 | 0.156 | 586.4 | 0.114 | 19 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_High_Bay | \$193.25 |
| Business | Retrofit | Lighting -Warehouse Wholesale | LED HIGH BAY FIXTURE | ≤ 175W (≈15,000 lumens) | 400 W Probe Start Metal Halide | 3759 | 0.458 | 1,721.6 | 0.175 | 657.8 | 0.283 | 1,063.8 | 0.207 | 19 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_High_Bay | \$133.25 |
| Business | Retrofit | Lighting -Warehouse Wholesale | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Four-lamp High Performance T-8 fixtures (32W) | 250 Watt Metal Halide | 3759 | 0.295 | 1,108.9 | 0.137 | 515.0 | 0.158 | 593.9 | 0.116 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_High_Bay | \$100.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Six-lamp High Performance T-8 fixtures (32W) | 400 Watt Metal Halide | 3759 | 0.450 | 1,691.6 | 0.216 | 811.9 | 0.234 | 879.6 | 0.171 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_High_Bay | \$110.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | HIGH PERFORMANCE MEDIUM BAY T8 FIXTURES | Eight-lamp High Performance T-8 fixtures (32W) | 2 x 250 Watt Metal Halide | 3759 | 0.590 | 2,217.8 | 0.288 | 1,082.6 | 0.302 | 1,135.2 | 0.221 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_High_Bay | \$90.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 5W ≥ 250 Lumens | Average of 7W CFL & 40W Incandescent | 3759 | 0.024 | 90.2 | 0.005 | 18.8 | 0.019 | 71.4 | 0.014 | 7 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$9.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | ENERGY STAR LED DECORATIVE BLUB (E12 CANDELABRA BASE) | ≤ 8W ≥ 400 Lumens | Average of 9W CFL & 60W Incandescent | 3759 | 0.035 | 131.6 | 0.007 | 26.3 | 0.028 | 105.3 | 0.020 | 7 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$11.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | T5 MEDIUM AND HIGH BAY FIXTURES | 4-lamp HO T-5 fixtures (54W) | 400 W Probe Start Metal Halide | 3759 | 0.450 | 1,691.6 | 0.224 | 842.0 | 0.226 | 849.5 | 0.165 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_High_Bay | \$35.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | T5 MEDIUM AND HIGH BAY FIXTURES | 6-lamp HO T-5 fixtures (54W) | 2 x 250 W Probe Start Metal Halide | 3759 | 0.590 | 2,217.8 | 0.351 | 1,319.4 | 0.239 | 898.4 | 0.175 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_High_Bay | \$10.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | T5 MEDIUM AND HIGH BAY FIXTURES | 8-lamp HO T-5 fixtures (54W) | 3 x 250 W Probe Start Metal Halide | 3759 | 0.885 | 3,326.7 | 0.448 | 1,684.0 | 0.437 | 1,642.7 | 0.320 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | T5 MEDIUM AND HIGH BAY FIXTURES | 10-lamp HO T-5 fixtures (54W) | 1000 W Metal Halide with Probe Start Ballast | 3759 | 1.075 | 4,040.9 | 0.560 | 2,105.0 | 0.515 | 1,935.9 | 0.377 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_High_Bay | \$50.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | T5 MEDIUM AND HIGH BAY FIXTURES | 12-lamp HO T-5 fixtures (54W) | 3 x 400 W Probe Start Metal Halide | 3759 | 1.350 | 5,074.7 | 0.672 | 2,526.0 | 0.678 | 2,548.6 | 0.496 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_High_Bay | \$200.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | LED TUBE RE-LAMP | ≤ 15W ≥ 1500 Lumens | Single-lamp 25W T8 | 3759 | 0.025 | 94.0 | 0.015 | 56.4 | 0.010 | 37.6 | 0.007 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Warehouse Wholesale | LED TUBE RE-LAMP | ≤ 22W ≥ 2100 Lumens | Single-lamp 32W T8 | 3759 | 0.032 | 120.3 | 0.022 | 82.7 | 0.010 | 37.6 | 0.007 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$26.88 |
| Business | Retrofit | Lighting -Warehouse Wholesale | INTEGRAL LED RETROFIT KIT | 2' x 2' LED troffer / 2' linear ambient retrofit kit (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 3759 | 0.065 | 244.3 | 0.032 | 120.3 | 0.033 | 124.0 | 0.024 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$90.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | INTEGRAL LED RETROFIT KIT | 1' x 4' LED troffer / 4' LED linear ambient retrofit kit (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 3759 | 0.062 | 233.1 | 0.031 | 116.5 | 0.031 | 116.5 | 0.023 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$135.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | INTEGRAL LED RETROFIT KIT | 2' x 4' LED troffer / 4' linear ambient retrofit kit (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 3759 | 0.086 | 324.0 | 0.042 | 157.9 | 0.044 | 166.1 | 0.032 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$150.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 2' LED troffer / 2' LED linear ambient fixture (≥ 2000 Lumens) | Ubend 32W- 2 lamp T8 | 3759 | 0.065 | 244.3 | 0.039 | 146.6 | 0.026 | 97.7 | 0.019 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$70.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 1' x 4' LED troffer / 4' LED linear ambient fixture (≥ 1500 Lumens) | Two-lamp Std. T8 fixtures (4' 32W) | 3759 | 0.062 | 233.1 | 0.039 | 145.1 | 0.023 | 88.0 | 0.017 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$130.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | INTEGRAL LED TROFFERS / LINEAR AMBIANT FIXTURE | 2' x 4' LED troffer / 4' LED linear ambient fixture (≥ 3000 Lumens) | Three-lamp Std. T8 fixtures (4' 32W) | 3759 | 0.086 | 324.0 | 0.055 | 206.7 | 0.031 | 117.3 | 0.023 | 13 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$105.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | OCCUPANCY SENSORS | Switch Plate Mounted | No Occupancy Sensor | 3759 | 0.200 | 751.8 | 0.2000 | 751.8 | 0.000 | 225.5 | 0.044 | 9 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$55.00 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEARS) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|--|--|--|---|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|-------------------------------|---|----------------------------------|
| Business | Retrofit | Lighting | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 3911 | 0.030 | 117.3 | 0.0300 | 117.3 | 0.000 | 48.1 | 0.008 | 8 | PSP-Business-Commercial-Lighting_Small Business | \$12.09 |
| Business | Retrofit | Lighting -Food Retail | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 6074 | 0.030 | 182.2 | 0.0300 | 182.2 | 0.000 | 74.7 | 0.011 | 5 | PSP-Business-Food_Retail-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -Hospital | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 5182 | 0.030 | 155.5 | 0.0300 | 155.5 | 0.000 | 63.7 | 0.009 | 6 | PSP-Business-Hospital-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 7884 | 0.030 | 236.5 | 0.0300 | 236.5 | 0.000 | 97.0 | 0.012 | 4 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -Large Non-Food Retail | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 4089 | 0.030 | 122.7 | 0.0300 | 122.7 | 0.000 | 50.3 | 0.007 | 8 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -Large Office | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 3610 | 0.030 | 108.3 | 0.0300 | 108.3 | 0.000 | 44.4 | 0.008 | 9 | PSP-Business-Large_Office-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -Nursing Home | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 4308 | 0.030 | 129.2 | 0.0300 | 129.2 | 0.000 | 53.0 | 0.008 | 7 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -Other Commercial Buildings | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 2857 | 0.030 | 85.7 | 0.0300 | 85.7 | 0.000 | 35.1 | 0.006 | 11 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -Other Hotel Motel (Corridor/Lobby) | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 7884 | 0.030 | 236.5 | 0.0300 | 236.5 | 0.000 | 97.0 | 0.012 | 4 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -Other Non-Food Retail | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 4089 | 0.030 | 122.7 | 0.0300 | 122.7 | 0.000 | 50.3 | 0.011 | 8 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -Other Office | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 3610 | 0.030 | 108.3 | 0.0300 | 108.3 | 0.000 | 44.4 | 0.008 | 9 | PSP-Business-Other_Office-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -Restaurant | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 5110 | 0.030 | 153.3 | 0.0300 | 153.3 | 0.000 | 62.9 | 0.010 | 6 | PSP-Business-Restaurant-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -Schools | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 2596 | 0.030 | 77.9 | 0.0300 | 77.9 | 0.000 | 31.9 | 0.002 | 12 | PSP-Business-Schools-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -University Colleges | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 3255 | 0.030 | 97.7 | 0.0300 | 97.7 | 0.000 | 40.0 | 0.005 | 10 | PSP-Business-University_Colleges-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting -Warehouse Wholesale | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W | No Occupancy Sensor | 3759 | 0.030 | 112.8 | 0.0300 | 112.8 | 0.000 | 46.2 | 0.009 | 9 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$12.09 |
| Business | Retrofit | Lighting | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 3911 | 0.150 | 586.7 | 0.1500 | 586.7 | 0.000 | 240.5 | 0.042 | 8 | PSP-Business-Commercial-Lighting_Small Business | \$85.00 |
| Business | Retrofit | Lighting -Food Retail | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 6074 | 0.150 | 1,214.8 | 0.1500 | 911.1 | 0.000 | 373.6 | 0.053 | 5 | PSP-Business-Food_Retail-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Hospital | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 5182 | 0.150 | 1,036.4 | 0.1500 | 777.3 | 0.000 | 318.7 | 0.043 | 6 | PSP-Business-Hospital-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Large Hotel (Corridor/Lobby) | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 7884 | 0.150 | 1,576.8 | 0.1500 | 1,182.6 | 0.000 | 484.9 | 0.059 | 4 | PSP-Business-Large_Hotel (Corridor/Lobby)-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Large Non-Food Retail | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 4089 | 0.150 | 817.8 | 0.1500 | 613.4 | 0.000 | 251.5 | 0.037 | 8 | PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Large Office | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 3610 | 0.150 | 722.0 | 0.1500 | 541.5 | 0.000 | 222.0 | 0.038 | 9 | PSP-Business-Large_Office-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Nursing Home | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 4308 | 0.150 | 861.6 | 0.1500 | 646.2 | 0.000 | 264.9 | 0.040 | 7 | PSP-Business-Nursing_Home-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Other Commercial Buildings | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 2857 | 0.150 | 571.4 | 0.1500 | 428.6 | 0.000 | 175.7 | 0.030 | 11 | PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Other Hotel Motel (Corridor/Lobby) | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 7884 | 0.150 | 1,576.8 | 0.1500 | 1,182.6 | 0.000 | 484.9 | 0.059 | 4 | PSP-Business-Other_Hotel_Motel (Corridor/Lobby)-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Other Non-Food Retail | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 4089 | 0.150 | 817.8 | 0.1500 | 613.4 | 0.000 | 251.5 | 0.055 | 8 | PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Other Office | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 3610 | 0.150 | 722.0 | 0.1500 | 541.5 | 0.000 | 222.0 | 0.038 | 9 | PSP-Business-Other_Office-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Restaurant | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 5110 | 0.150 | 1,022.0 | 0.1500 | 766.5 | 0.000 | 314.3 | 0.051 | 6 | PSP-Business-Restaurant-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Schools | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 2596 | 0.150 | 519.2 | 0.1500 | 389.4 | 0.000 | 159.7 | 0.008 | 12 | PSP-Business-Schools-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -University Colleges | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 3255 | 0.150 | 651.0 | 0.1500 | 488.3 | 0.000 | 200.2 | 0.027 | 10 | PSP-Business-University_Colleges-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | OCCUPANCY SENSORS | Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W | No Occupancy Sensor | 3759 | 0.150 | 751.8 | 0.1500 | 563.9 | 0.000 | 231.2 | 0.045 | 9 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | OCCUPANCY SENSORS | Ceiling / Wall Mounted | No Occupancy Sensor | 3759 | 0.300 | 1,127.7 | 0.3000 | 1,127.7 | 0.000 | 462.4 | 0.090 | 9 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$85.00 |
| Business | Retrofit | Lighting -Warehouse Wholesale | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 10W ≥ 450 Lumens | 7W-16W CFL (40W-60W Equivalent) | 3759 | 0.012 | 45.1 | 0.0066 | 24.8 | 0.005 | 20.3 | 0.004 | 7 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$4.65 |
| Business | Retrofit | Lighting -Warehouse Wholesale | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 12W ≥ 800 Lumens | 13W-20W CFL (60W-75W Equivalent) | 3759 | 0.014 | 52.6 | 0.0099 | 37.2 | 0.004 | 15.4 | 0.003 | 7 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$3.53 |
| Business | Retrofit | Lighting -Warehouse Wholesale | ENERGY STAR® LED OMNIDIRECTIONAL A LAMPS | ≤ 16W ≥ 1200 Lumens | 21W-33W CFL (100W-120W Equivalent) | 3759 | 0.023 | 86.5 | 0.0124 | 45.6 | 0.011 | 39.8 | 0.008 | 7 | PSP-Business-Warehouse_Wholesale-Lighting_Interior_General | \$9.12 |
| Business | Retrofit | Multi-Residential In Suite Appliance | ENERGY STAR® REFRIGERATOR | - | Standard Refrigerator | - | - | 443.3 | - | 334.9 | - | 111.0 | 0.014 | 13 | PSP-Consumer-Residential-Refrigerators | 245.00 |
| Business | Retrofit | Multi-Residential In Suite Appliance | IN-SUITE TEMPERATURE CONTROLS FOR ELECTRIC SPACE HEATING & COOLING | - | No in-suite temperature controls for electric space heating & cooling | - | - | - | - | - | 0.076 | 973.1 | 0.273 | 15 | PSP-Business-Commercial-Space_Cooling_Heating | 40.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® FREEZER | Glass Door (≥ 15 cu.ft. to < 30 cu.ft.) | Standard Freezer | 8760 | 0.865 | 7,573.8 | 0.410 | 3,591.6 | 0.455 | 3,982.2 | 0.493 | 12 | PSP-Business-Commercial-Refrigeration | 166.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® FREEZER | Glass Door (≥ 30 cu.ft. to < 50 cu.ft.) | Standard Freezer | 8760 | 1.486 | 13,021.4 | 0.784 | 6,871.3 | 0.702 | 6,150.0 | 0.762 | 12 | PSP-Business-Commercial-Refrigeration | 166.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® FREEZER | Glass Door (≥ 50 cu.ft.) | Standard Freezer | 8760 | 2.027 | 17,757.3 | 1.084 | 9,495.8 | 0.943 | 8,261.4 | 1.023 | 12 | PSP-Business-Commercial-Refrigeration | 407.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® FREEZER | Solid Door (< 15 cu.ft.) | Standard Freezer | 8760 | 0.211 | 1,846.9 | 0.118 | 1,033.7 | 0.093 | 813.2 | 0.101 | 12 | PSP-Business-Commercial-Refrigeration | 142.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® FREEZER | Solid Door (≥ 15 cu.ft. to < 30 cu.ft.) | Standard Freezer | 8760 | 0.428 | 3,744.9 | 0.220 | 1,927.2 | 0.208 | 1,817.7 | 0.225 | 12 | PSP-Business-Commercial-Refrigeration | 166.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® FREEZER | Solid Door (≥ 30 cu.ft. to < 50 cu.ft.) | Standard Freezer | 8760 | 0.759 | 6,650.3 | 0.434 | 3,801.8 | 0.325 | 2,848.5 | 0.353 | 12 | PSP-Business-Commercial-Refrigeration | 166.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® FREEZER | Solid Door (≥ 50 cu.ft.) | Standard Freezer | 8760 | 1.048 | 9,176.1 | 0.545 | 4,774.2 | 0.503 | 4,401.9 | 0.545 | 12 | PSP-Business-Commercial-Refrigeration | 407.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® REFRIGERATOR | Glass Door (< 15 cu.ft.) | Standard Refrigerator | 8760 | 0.181 | 1,585.6 | 0.065 | 566.8 | 0.116 | 1,018.8 | 0.126 | 12 | PSP-Business-Commercial-Refrigeration | 164.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® REFRIGERATOR | Glass Door (≥ 15 cu.ft. to < 30 cu.ft.) | Standard Refrigerator | 8760 | 0.245 | 2,147.7 | 0.130 | 1,138.8 | 0.115 | 1,008.9 | 0.125 | 12 | PSP-Business-Commercial-Refrigeration | 164.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® REFRIGERATOR | Glass Door (≥ 30 cu.ft. to < 50 cu.ft.) | Standard Refrigerator | 8760 | 0.349 | 3,058.7 | 0.198 | 1,730.1 | 0.152 | 1,328.6 | 0.165 | 12 | PSP-Business-Commercial-Refrigeration | 164.00 |

| SECTOR | PROGRAM | END-USE | CONSERVATION MEASURE | MEASURE DESCRIPTION | BASE MEASURE | ASSUMED ANNUAL OPERATING HOURS | BASE CASE KW | BASE CASE KWH | CONSERVATION CASE KW | CONSERVATION CASE KWH | FIRST YEAR DEMAND SAVINGS (KW) | FIRST YEAR ENERGY SAVINGS (KWH) | SUMMER PEAK DEMAND SAVINGS (KW) | EFFECTIVE USEFUL LIFE (YEAR) | END USE LOAD PROFILE | INCREMENTAL LIFE CYCLE COST (\$) |
|----------|----------|---------------|---|---|---|--------------------------------|--------------|---------------|----------------------|-----------------------|--------------------------------|---------------------------------|---------------------------------|------------------------------|---------------------------------------|----------------------------------|
| Business | Retrofit | Refrigeration | ENERGY STAR® REFRIGERATOR | Glass Door (≥ 50 cu.ft.) | Standard Refrigerator | 8760 | 0.474 | 4,153.7 | 0.260 | 2,277.6 | 0.214 | 1,876.1 | 0.232 | 12 | PSP-Business-Commercial-Refrigeration | 249.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® REFRIGERATOR | Solid Door (< 15 cu.ft.) | Standard Refrigerator | 8760 | 0.120 | 1,047.6 | 0.056 | 488.8 | 0.064 | 558.7 | 0.069 | 12 | PSP-Business-Commercial-Refrigeration | 143.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® REFRIGERATOR | Solid Door (≥ 15 cu.ft. to < 30 cu.ft.) | Standard Refrigerator | 8760 | 0.173 | 1,518.4 | 0.084 | 733.2 | 0.090 | 785.2 | 0.097 | 12 | PSP-Business-Commercial-Refrigeration | 164.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® REFRIGERATOR | Solid Door (≥ 30 cu.ft. to < 50 cu.ft.) | Standard Refrigerator | 8760 | 0.260 | 2,277.6 | 0.123 | 1,077.5 | 0.137 | 1,200.1 | 0.149 | 12 | PSP-Business-Commercial-Refrigeration | 164.00 |
| Business | Retrofit | Refrigeration | ENERGY STAR® REFRIGERATOR | Solid Door (≥ 50 cu.ft.) | Standard Refrigerator | 8760 | 0.364 | 3,190.1 | 0.150 | 1,314.0 | 0.214 | 1,876.1 | 0.232 | 12 | PSP-Business-Commercial-Refrigeration | 249.00 |
| Business | Retrofit | Refrigeration | ECM MOTORS FOR EVAPORATOR FANS (REFRIGERATOR WALK-IN) | Motor Size ≥ 1/20 hp to < 1/10 hp | Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC) | 8760 | 0.111 | 971.5 | 0.049 | 429.2 | 0.062 | 542.2 | 0.067 | 15 | PSP-Business-Commercial-Refrigeration | 135.00 |
| Business | Retrofit | Refrigeration | ECM MOTORS FOR EVAPORATOR FANS (FREEZER WALK-IN) | Motor Size ≥ 1/20 hp to < 1/10 hp | Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC) | 8273 | 0.141 | 1,166.5 | 0.062 | 513.6 | 0.079 | 652.9 | 0.081 | 15 | PSP-Business-Commercial-Refrigeration | 145.00 |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Split system ≥ 3.0 to < 5.4 tons, All Heating Type, 12.5 EER (per ton) | Split system ≥ 3.0 to < 5.4 tons, All Heating Type, 13.0 SEER (Approximately 11.14 EER) (per ton) | 600 | 1.077 | 646.3 | 0.960 | 576.0 | 0.117 | 70.3 | 0.039 | 15 | PSP-Business-Commercial-Cooling_DX | \$187.50/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Single Package With Economizer ≥ 3.0 to < 5.4 tons, All Heating Type, 12.0 EER | Single Package With Economizer ≥ 3.0 to < 5.4 tons, All Heating Type, 13.0 SEER (Approximately 11.14 EER) (per ton) | 600 | 1.077 | 646.3 | 0.960 | 541.4 | 0.117 | 104.9 | 0.059 | 15 | PSP-Business-Commercial-Cooling_DX | \$187.50/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Split system ≥ 5.4 to < 7.5 tons, Electric Resistance, 12.2 EER (per ton) | Split system ≥ 5.4 to < 7.5 tons, Electric Resistance, 11.2 EER (per ton) | 600 | 1.071 | 642.9 | 0.984 | 590.2 | 0.088 | 52.7 | 0.030 | 15 | PSP-Business-Commercial-Cooling_DX | \$225/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Split system ≥ 5.4 to < 7.5 tons, All Other Heating, 12.0 EER (per ton) | Split system ≥ 5.4 to < 7.5 tons, All Other Heating, 11 EER (per ton) | 600 | 1.091 | 654.5 | 1.000 | 600.0 | 0.091 | 54.5 | 0.031 | 15 | PSP-Business-Commercial-Cooling_DX | \$225/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Single Package With Economizer ≥ 5.4 to < 7.5 tons, Electric Resistance, 12.2 EER (per ton) | Single Package With Economizer ≥ 5.4 to < 7.5 tons, Electric Resistance, 11.2 EER (per ton) | 600 | 1.071 | 642.9 | 0.984 | 554.8 | 0.088 | 88.1 | 0.049 | 15 | PSP-Business-Commercial-Cooling_DX | \$225/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Single Package With Economizer ≥ 5.4 to < 7.5 tons, All Other Heating, 12.0 EER (per ton) | Single Package With Economizer ≥ 5.4 to < 7.5 tons, All Other Heating, 11 EER (per ton) | 600 | 1.091 | 654.5 | 1.000 | 564.0 | 0.091 | 90.5 | 0.051 | 15 | PSP-Business-Commercial-Cooling_DX | \$225/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Split system/Single package ≥ 7.5 to < 11.25 tons, Electric Resistance, 12.2 EER (per ton) | Split system/Single package ≥ 7.5 to < 11.25 tons, Electric Resistance, 11.2 EER (per ton) | 600 | 1.071 | 642.9 | 0.984 | 590.2 | 0.088 | 52.7 | 0.030 | 15 | PSP-Business-Commercial-Cooling_DX | \$225/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Split system/Single package ≥ 7.5 to < 11.25 tons, All Other, 12.0 EER (per ton) | Split system/Single package ≥ 7.5 to < 11.25 tons, All Other, 11 EER (per ton) | 600 | 1.091 | 654.5 | 1.000 | 600.0 | 0.091 | 54.5 | 0.031 | 15 | PSP-Business-Commercial-Cooling_DX | \$225/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Split system/Single package ≥ 11.25 to < 20 tons, Electric Resistance, 12.2 EER (per ton) | Split system/Single package ≥ 11.25 to < 20 tons, Electric Resistance, 11 EER (per ton) | 600 | 1.091 | 654.5 | 0.984 | 590.2 | 0.107 | 64.4 | 0.036 | 15 | PSP-Business-Commercial-Cooling_DX | \$225/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Split system/Single package ≥ 11.25 to < 20 tons, All Other, 12.0 EER (per ton) | Split system/Single package ≥ 11.25 to < 20 tons, All Other, 10.8 EER (per ton) | 600 | 1.111 | 666.7 | 1.000 | 600.0 | 0.111 | 66.7 | 0.037 | 15 | PSP-Business-Commercial-Cooling_DX | \$225/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Split system/Single package ≥ 20 to < 63 tons, Electric Resistance, 10.8 EER (per ton) | Split system/Single package ≥ 20 to < 63 tons, Electric Resistance, 10 EER (per ton) | 600 | 1.200 | 720.0 | 1.111 | 666.7 | 0.089 | 53.3 | 0.030 | 15 | PSP-Business-Commercial-Cooling_DX | \$262.50/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Split system/Single package ≥ 20 to < 63 tons, All Other, 10.6 EER (per ton) | Split system/Single package ≥ 20 to < 63 tons, All Other, 9.8 EER (per ton) | 600 | 1.224 | 734.7 | 1.132 | 679.2 | 0.092 | 55.4 | 0.031 | 15 | PSP-Business-Commercial-Cooling_DX | \$262.50/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Split system/Single package > 63 tons, Electric Resistance, 10.4 EER (per ton) | Split system/Single package > 63 tons, Electric Resistance, 9.7 EER (per ton) | 600 | 1.237 | 742.3 | 1.154 | 692.3 | 0.083 | 50.0 | 0.028 | 15 | PSP-Business-Commercial-Cooling_DX | \$262.50/ton |
| Business | Retrofit | Space Cooling | UNITARY AIR-CONDITIONING UNIT | Split system/Single package > 63 tons, All Other, 10.2 EER (per ton) | Split system/Single package > 63 tons, All Other, 9.5 EER (per ton) | 600 | 1.263 | 757.9 | 1.176 | 705.9 | 0.087 | 52.0 | 0.029 | 15 | PSP-Business-Commercial-Cooling_DX | \$262.50/ton |
| Business | Retrofit | Space Cooling | HOTEL OCCUPANCY CONTROLS (HVAC + LIGHTING) | Electrically heated facility | No controls installed | - | - | - | - | - | - | 667.0 | 0.375 | 10 | PSP-Business-Commercial-Cooling_DX | 321.00 |
| Business | Retrofit | Space Cooling | HOTEL OCCUPANCY CONTROLS (HVAC + LIGHTING) | Gas heated facility | No controls installed | - | - | - | - | - | - | 414.0 | 0.232 | 10 | PSP-Business-Commercial-Cooling_DX | 321.00 |
| Business | Retrofit | Space Cooling | ECM MOTORS FOR HVAC APPLICATION (FAN-POWERED VAV BOX) | VAV Units < 1000 CFM (per CFM) | VAV Box with PSC motors | 3000 | - | - | - | - | 0.32kW/CFM | 0.5kWh/CFM | #VALUE! | 15 | PSP-Business-Commercial-Cooling_DX | 160.00 |
| Business | Retrofit | Space Cooling | ECM MOTORS FOR HVAC APPLICATION (FAN-POWERED VAV BOX) | VAV Units > 1000 CFM (per CFM) | VAV Box with PSC motors | 3000 | - | - | - | - | 0.21kW/CFM | 0.35kWh/CFM | #VALUE! | 15 | PSP-Business-Commercial-Cooling_DX | 550.00 |
| Business | Retrofit | Space Cooling | ECM MOTORS FOR HVAC APPLICATION (FAN MOTOR REPLACEMENT) | Motor < 1 hp (per hp) | VAV Box with PSC motors | 3000 | - | - | - | - | 0.155kW/HP | 465kWh/HP | #VALUE! | 15 | PSP-Business-Commercial-Cooling_DX | 145.00 |

| Version | Date Released | Sector | Major Changes/Revisions | Measures Revised/Added |
|---|---|--|---|---|
| 2014 Measures and Assumptions List | January 2014 | Consumer | Updated input assumptions based on 2012 Evaluation Report | All measures |
| | | Business | Aligned with program assumptions | All measures |
| Measures and Assumptions List - January 1, 2015 | January 2015 | Consumer | Updated kW and kWh savings for key province-wide measures based on 2013 Evaluation Report | All measures except Residential New Construction measures |
| | | Consumer | Adjusted incremental life cycle cost to incorporate a discount rate. The discount rate is the rate at which future costs are discounted to establish their present value. | All lighting measures with base cases having effective useful life (EUL) less than the EUL of the conservation measure (e.g. incandescent lamps retrofitted with LED) |
| | | Consumer | Updated net to gross ratios based on 2013 Consumer Program evaluation | All measures |
| | | Business | Removed compact fluorescent lamps (CFL) measures since they are now the new base lighting measure | All CFL measures |
| | | Business | Removed standard T8s since they are now the new base measure for linear fluorescents | All standard T8s linear fluorescent measures |
| | | Business | Revised certain base measures from incandescent to CFL | All measures except base measures for LED light bulbs (e.g. MR, PAR) |
| | | Business | Updated certain base measures from T12s to standard T8s | All high efficiency linear fluorescents (e.g. T8s, T5s) |
| | | Business | updated assumed annual operating hours and savings assumptions for unitary A/C measures based on 2013 business program evaluation | All unitary A/C measures |
| | | Business | Adjusted incremental life cycle cost to incorporate a discount rate. The discount rate is the rate at which future costs are discounted to establish their present value. | All lighting measures with base cases having effective useful life (EUL) less than the EUL of the conservation measure (e.g. std T8s retrofitted with LED troffers) |
| | | Business | Updated effective useful life (EUL) of lighting fixtures to consider ballast life (50,000 hours) | All linear fluorescent lighting fixtures |
| | | Business | Updated assumed annual operating hours for Small Business Lighting measures | All lighting measures |
| | | Business | Added new building types for the lighting measures to take into consideration their different operating hours. | All lighting measures. Building types include food retail, non-food retail, hospital, hotel, office, nursing home, restaurant, schools, universities, warehouses |
| | | Business | Added new lighting prescriptive measures | LED troffers, exterior lighting, vapour/dust free fixtures, omni-directional A lamps |
| Business | Added new non-lighting prescriptive measures | Building plug load, HVAC controls, refrigeration | | |
| Business | Revised HVLS fans assumptions from a per 1000 cfm basis to a per unit (fan) basis | High volume low speed agribusiness fans | | |
| Business | Updated net to gross ratios based on 2013 Business Program evaluation | All measures | | |
| Measures and Assumptions List - October 2015 | | Consumer | | Added "Attic Ventilation - Passive Mechanical" to list. |
| Measures and Assumptions List - May 2017 | | Consumer | Updated Residential Measures with 2015 Verified Results | |

| | | | | |
|---|--|--|--|--|
| | | Business | Major revisions and updates include: a) updating baseline and energy efficient case assumptions for all lighting measures; b) removed all prescriptive HPNC measures except for Agribusiness measures; and c) removed all Small Business Lighting measures. | |
| Measures and Assumptions List - March 2018 | | Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer Consumer | Removed the Net-to-Gross Ratio tab. | Removed CFL measures not to be offered in future programs Removed permutations of heating and cooling measures not relevant to the data tracking Added various new LED lighting measures Add Efficient Showerhead and Aerator measures Add Smart Burner measure Add Tier 1 and Tier 2 Smart Power Bar measures Add Hot Water Pipe Wrap measure Add Window Film measure Add Energy Star Most Efficient TV measure Add Energy Star Clothes Washer and Dryer measure Delete CAC SEER 15 and add SEER 18 measure Add Air Source Heat Pump measures |
| Measures and Assumptions List - February 2019 | | Consumer Consumer Consumer Consumer Business | Updated Instant Discount measure input assumptions based on 2017 Consumer Program Evaluation, changes to programs and additional IESO research. Updated Heating and Cooling measure input assumptions based on 2017 Consumer Program Evaluation, changes to programs and additional IESO research. Updated HAP measure input assumptions based on 2017 Consumer Program Evaluation, changes to programs and additional IESO research. Removed measures from programs and pilots that are no longer being offered Updated all measure input assumptions that were impacted by the prescriptive lighting quick fix Sept 2018 update. | a) increased LED unit savings; b) reduced Lighting Control unit savings; c) added Pipe wrap measure; d) re-grouped Heavy Duty Plug-in Timers; and e) increased Outdoor Clothesline unit savings a) removed Furnace ECM savings attributable to fuel switching; and b) added varies permutations of ASHP measures to include Ductless, Ducted and Cold-climate ASHP replacing baselines with or without cooling a) adjusted LED unit savings; b) removed CFL lighting measures; c) adjusted Appliance unit savings; d) adjusted miscellaneous measure unit savings; and e) increased Programmable Thermostat and Pipe Wrap unit savings Removed all measures from the following programs/pilots: Appliance Exchange, Appliance Retirement, Direct Install Pilot, Direct Mail Pilot, Electronic Exchange Pilot, Enersource Truckload Event, Home Depot Home Appliance Market Uplift, HONI HP Pilot, Solar Powered Attic Ventilation Occupancy sensor, LED Tube, LED Troffers & Linear Ambient Fixture, LED Troffers & Linear Ambient Retrofit Kit, LED High Bay. |