

**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](mailto:Idc.support@ieso.ca).

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**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.

**IESO Prescriptive Measures and Assumptions List**  
February 2019

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

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)	Agr/business	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)	Agr/business	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)	Agr/business	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)	Agr/business	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)	Agr/business	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)	Agr/business	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)	Agr/business	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)	Agr/business	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)	Agr/business	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)	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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	Agr/business	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 <sup>2</sup> * total collector area m <sup>2</sup>	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	0.2000	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	1.250	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	255.5	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	255.5	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

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.