

Overview:

The IESO Prescriptive Measures and Assumptions List (“MAL”) is a collection of electricity demand side management (DSM) measures offered in the current Save on Energy programs containing deemed energy and peak demand savings using prescriptive input assumptions (PIAs). PIAs are based on best current available information and consistent program assumptions used to estimate potential gross energy and peak demand savings. The deemed energy and peak demand savings serve as the basis for the design, implementation, reporting and evaluation of DSM 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.

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 and other interested parties may submit new measures or measure revisions to the IESO for considerations by sending an email to evaluations@ieso.ca.



IESO Prescriptive Measures and Assumptions List Disclaimer

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

How to Use this Workbook:

This workbook contains demand side management measures found under five (5) tabs: Consumer - Energy Affordability Program (EAP), Business - Retrofit Prescriptive, Business - Retrofit Quasi-Prescriptive, Business - Small Business Program (SBP), and Business - Instant Discount Program (IDP).

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

Column Heading	Description
END_USE	Shows the general application of the conservation measure (e.g. lighting, space cooling, water heating, etc.).
CONSERVATION_MEASURE_NAME	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.
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	Indicates the difference in connected demand wattages of the base and efficient measures over a one year period.
FIRST_YEAR_ENERGY_SAVINGS	Indicates the difference in energy consumption of the base and efficient measures over a one year period.
PEAK_DEMAND_SAVINGS	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	Shows the assumed effective useful life of the measure in year(s). 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.

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE
Appliances	COMPACT CHEST FREEZER	Compact Chest Freezer Replacement (ENERGY STAR Qualified < 7.75 cu ft)	Existing standard residential compact freezer manufactured on or before September 15 2014	8760	0.030	262.5	0.026	227.2	0.004	35.3	0.005	11	PSP-Consumer-Residential-Freezers
Appliances	ENERGY STAR® FREEZER	Chest Freezer Replacement (ENERGY STAR Qualified 12 ≤ and < 14.5 cu ft)	Standard Freezer	8760	0.056	492.4	0.044	387.6	0.012	104.9	0.014	12	PSP-Consumer-Residential-Freezers
Appliances	ENERGY STAR® FREEZER	Chest Freezer Replacement (ENERGY STAR Qualified 14.5 ≤ and < 16.0 cu ft)	Standard Freezer	8760	0.056	490.1	0.044	387.1	0.012	103.0	0.014	12	PSP-Consumer-Residential-Freezers
Appliances	ENERGY STAR® FREEZER	Chest Freezer Replacement (ENERGY STAR Qualified 7.75 ≤ and < 12.0 cu ft)	Standard Freezer	8760	0.052	451.2	0.040	353.2	0.011	98.0	0.013	12	PSP-Consumer-Residential-Freezers
Appliances	ENERGY STAR® REFRIGERATOR	Refrigerator Replacement (ENERGY STAR Qualified 10.0 ≤ and < 12.5 cu ft)	Standard Refrigerator	8760	0.058	511.8	0.038	331.2	0.021	180.7	0.023	12	PSP-Consumer-Residential-Refrigerators
Appliances	ENERGY STAR® REFRIGERATOR	Refrigerator Replacement (ENERGY STAR Qualified 12.5 ≤ and < 15.5 cu ft)	Standard Refrigerator	8760	0.069	600.4	0.051	444.1	0.018	156.4	0.020	12	PSP-Consumer-Residential-Refrigerators
Appliances	ENERGY STAR® REFRIGERATOR	Refrigerator Replacement (ENERGY STAR Qualified 15.5 ≤ and < 17.0 cu ft)	Standard Refrigerator	8760	0.069	606.8	0.046	401.7	0.023	205.1	0.026	12	PSP-Consumer-Residential-Refrigerators
Appliances	ENERGY STAR® REFRIGERATOR	Refrigerator Replacement (ENERGY STAR Qualified 17.0 ≤ and < 18.4 cu ft)	Standard Refrigerator	8760	0.070	610.1	0.045	391.3	0.025	218.8	0.028	12	PSP-Consumer-Residential-Refrigerators
Hot Water	EFFICIENT BATHROOM AERATORS-MULTI-FAMILY	Bathroom - Flow Rate ≤ 3.8 L/min	Electric DHW Aerator with Flow Rate = 8.3 L/min	-	-	96.0	-	43.6	-	52.4	0.005	10	PSP-Consumer-Residential-Domestic_Hot_Water
Hot Water	EFFICIENT BATHROOM AERATORS-SINGLE FAMILY	Bathroom - Flow Rate ≤ 3.8 L/min	Electric DHW Aerator with Flow Rate = 8.3 L/min	-	-	62.0	-	28.2	-	33.8	0.003	10	PSP-Consumer-Residential-Domestic_Hot_Water
Hot Water	EFFICIENT KITCHEN AERATORS-MULTI-FAMILY	Kitchen - Flow Rate ≤ 5.7 L/min	Electric DHW Aerator with Flow Rate = 8.3 L/min	-	-	355.4	-	242.3	-	113.1	0.022	10	PSP-Consumer-Residential-Cooking
Hot Water	EFFICIENT KITCHEN AERATORS-SINGLE FAMILY	Kitchen - Flow Rate ≤ 5.7 L/min	Electric DHW Aerator with Flow Rate = 8.3 L/min	-	-	433.3	-	295.4	-	137.9	0.027	10	PSP-Consumer-Residential-Cooking
Hot Water	EFFICIENT SHOWERHEAD (HANDHELD)-MULTI-FAMILY	Flow Rate < 4.8 L/min	Electric DHW Showerhead for multi-family with Flow Rate = 7.57 L/min	-	-	626.9	-	470.2	-	156.7	0.014	10	PSP-Consumer-Residential-Domestic_Hot_Water
Hot Water	EFFICIENT SHOWERHEAD (HANDHELD)-SINGLE FAMILY	Flow Rate < 4.8 L/min	Electric DHW Showerhead for Single Family with Flow Rate = 7.57 L/min	-	-	555.1	-	416.4	-	138.8	0.013	10	PSP-Consumer-Residential-Domestic_Hot_Water
Hot Water	EFFICIENT SHOWERHEAD (STANDARD)-MULTI-FAMILY	Flow Rate < 4.8 L/min	Electric DHW Showerhead for multi-family with Flow Rate = 7.57 L/min	-	-	626.9	-	470.2	-	235.1	0.021	10	PSP-Consumer-Residential-Domestic_Hot_Water
Hot Water	EFFICIENT SHOWERHEAD (STANDARD)-SINGLE FAMILY	Flow Rate < 4.8 L/min	Electric DHW Showerhead for single family with Flow Rate = 7.57 L/min	-	-	555.1	-	346.9	-	208.1	0.019	10	PSP-Consumer-Residential-Domestic_Hot_Water



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE
Hot Water	HOT WATER PIPE WRAP	Per 1' Pipe Wrap (1/2" Pipe)	Electric hot water heater without pipe insulation	8760	-	20.6	-	17.65	-	2.9	0.00027	15	PSP-Consumer-Residential-Domestic_Hot_Water
Hot Water	HOT WATER PIPE WRAP	Per 1' Pipe Wrap (3/4" Pipe)	Electric hot water heater without pipe insulation	8760	-	30.8	-	20.57	-	10.2	0.001	15	PSP-Consumer-Residential-Domestic_Hot_Water
Hot Water	WATER HEATER BLANKET	Hot water tank wrap	Electric hot water heater without insulation blanket	8760	-	327.4	-	236.23	-	91.2	0.009	7	PSP-Consumer-Residential-Water_Heater_Blanket
HVAC	ENERGY STAR® DEHUMIDIFIER	Dehumidifier Replacement (ENERGY STAR Qualified 14.2 - 21.2 l/day)	Non-Energy Star® Dehumidifier	-	0.516	841.7	0.369	601.8	0.147	239.8	0.073	12	PSP-Consumer-Residential-Dehumidifiers
HVAC	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	0.061	12	PSP-Consumer-Residential-Dehumidifiers
HVAC	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	0.113	183.0	0.056	12	PSP-Consumer-Residential-Dehumidifiers
HVAC	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	76.7	0.047	12	EM&V-Residential-AC_Cooling
HVAC	ENERGY STAR® ROOM AIR CONDITIONER	Room Air Conditioner Replacement (ENERGY STAR Qualified 6,000 - 7,999 BTU/hr)	Non-Energy Star® Room Air Conditioner	-	0.674	154.5	0.493	112.9	0.181	41.6	0.026	12	EM&V-Residential-AC_Cooling
HVAC	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	58.9	0.036	12	EM&V-Residential-AC_Cooling
HVAC Control	LINE VOLTAGE SMART THERMOSTATS	Line Voltage Smart Thermostat – Baseboard Heater	Electric baseboard heating with non-programmable or programmable thermostat	-	-	-	-	-	-	186.3	0.001	11	EM&V-Residential-Electric_Heating
HVAC Control	LOW VOLTAGE SMART THERMOSTATS	Low-voltage Smart Thermostat – Electric Furnace	Conventional manual and programmable thermostat for Electric Furnace w/ or w/o CAC	-	-	-	-	-	-	838.7	0.259	11	PSP-Consumer-Residential-Forced_Air_Central_Heating
HVAC Control	LOW VOLTAGE SMART THERMOSTATS	Low-voltage Smart Thermostat requiring C wire connection – Electric Furnace	Conventional manual and programmable thermostat for Electric Furnace w/ or w/o CAC	-	-	-	-	-	-	838.7	0.259	11	PSP-Consumer-Residential-Forced_Air_Central_Heating
HVAC Control	PROGRAMMABLE THERMOSTAT	Line-voltage Programmable Thermostat - Baseboard Heater	Non-programmable thermostat	-	-	-	-	-	-	120.5	0.001	11	EM&V-Residential-Electric_Heating
Lighting	≤11W ENERGY STAR® QUALIFIED LED A SHAPE (60W) (MINIMUM 600 LUMEN OUTPUT)	≤11W ENERGY STAR® Qualified LED A Shape (60W) (minimum 600 Lumen output)	Mixture of incandescent and halogen bulbs based on lumen equivalence.	1095	0.043	47.1	0.009	10.3	0.034	36.8	0.003	14	EM&V-Residential-Lighting_Interior
Lighting	≤14W ENERGY STAR® QUALIFIED LED A SHAPE (75W) (MINIMUM 800 LUMEN OUTPUT)	≤14W ENERGY STAR® Qualified LED A Shape (75W) (minimum 800 Lumen output)	Mixture of incandescent and halogen bulbs based on lumen equivalence.	1095	0.043	47.1	0.010	10.7	0.033	36.4	0.003	14	EM&V-Residential-Lighting_Interior
Lighting	≤16W ENERGY STAR® QUALIFIED LED PAR30 & PAR38 (MINIMUM 600 LUMEN OUTPUT)	≤16W ENERGY STAR® Qualified LED PAR30 & PAR38 (minimum 600 Lumen output)	Mixture of incandescent and halogen bulbs based on lumen equivalence.	986	0.065	64.1	0.014	13.3	0.051	50.7	0.004	14	EM&V-Residential-Lighting_Interior

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE
Lighting	≤23W ENERGY STAR® QUALIFIED LED A SHAPE (100W) (MINIMUM 1600 LUMEN OUTPUT)	≤23W ENERGY STAR® Qualified LED A Shape (100W) (minimum 1600 Lumen output)	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	14	EM&V-Residential-Lighting_Interior
Lighting	≤6W ENERGY STAR® QUALIFIED LED MR 16 / PAR 16 (MINIMUM 250 LUMEN OUTPUT)	≤6W ENERGY STAR® Qualified LED MR 16 / PAR 16 (minimum 250 Lumen output)	Mixture of incandescent and halogen bulbs based on lumen equivalence.	986	0.040	39.4	0.006	5.5	0.034	33.9	0.002	14	EM&V-Residential-Lighting_Interior
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.	986	0.065	64.1	0.016	16.2	0.049	47.9	0.003	14	EM&V-Residential-Lighting_Interior
Lighting	LED NIGHTLIGHT	LED Nightlight	Incandescent or halogen nightlight	4380	-	30.7	-	1.3	0.007	29.4	0.000	8	CUSTOM-Residential-Residential-Nightlight
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	0.000	239.1	0.000	15	EM&V-Residential-Car_Block_Heater_North_Ontario
Miscellaneous	INDOOR CLOTHES DRYING RACK/OUTDOOR RETRACTABLE CLOTHESLINE KIT	Indoor Clothes Drying Rack/Outdoor Retractable Clothesline Kit	Conventional electric clothes dryer with average 5.4 loads per week	-	-	495.7	-	407.5	-	88.1	0.012	12	PSP-Consumer-Residential-Clothes_Dryers
Miscellaneous	TIER 2 ADVANCED POWER STRIP	Home entertainment and office equipment controlled with Tier 2 Advance Power Strips (APS)	Home entertainment and office equipment with no power strip (wall socket) or standard power strip	-	-	-	-	-	-	234.0	0.007	7	PSP-Consumer-Residential-Power_Bar
Weatherization	ATTIC INSULATION	Minimum R50 from new attic insulation and incentive calculated based on area of insulation installed	Electrical heating without cooling/existing attic insulation	-	-	-	-	-	-	HOT2000 Modelling	kW=kWH* ASPDF	20	EM&V-Residential-Electric_Heating
Weatherization	ATTIC INSULATION	Minimum R50 from new attic insulation and incentive calculated based on area of insulation installed	Electrical heating with cooling/existing attic insulation	-	-	-	-	-	-	HOT2000 Modelling	kW=kWH* ASPDF	20	EM&V-Residential-Electric_Heating_and_Cooling
Weatherization	BASEMENT INSULATION	Minimum R20 from new basement insulation and incentive calculated based on are of insulation installed	Electrical heating without cooling/existing basement insulation	-	-	-	-	-	-	HOT2000 Modelling	kW=kWH* ASPDF	20	EM&V-Residential-Electric_Heating
Weatherization	BASEMENT INSULATION	Minimum R20 from new basement insulation and incentive calculated based on are of insulation installed	Electrical heating with cooling/existing basement insulation	-	-	-	-	-	-	HOT2000 Modelling	kW=kWH* ASPDF	20	EM&V-Residential-Electric_Heating_and_Cooling
Weatherization	Door Frame/Sweep	Door frame weatherstripping – Triple Seal Door Sweep.	No door frame weatherstripping or existing weatherstripping need to be replaced.	-	-	6350.7	-	6294.4	-	56.3	0.034	13	Electric Heating and Cooling
Weatherization	DRAFT PROOFING	Air leakage reduction after air sealing and incentive calculated based on floor area	Electrical heating without cooling	-	-	-	-	-	-	HOT2000 Modelling	kW=kWH* ASPDF	20	EM&V-Residential-Electric_Heating
Weatherization	DRAFT PROOFING	Air leakage reduction after air sealing and incentive calculated based on floor area	Electrical heating with cooling	-	-	-	-	-	-	HOT2000 Modelling	kW=kWH* ASPDF	20	EM&V-Residential-Electric_Heating_and_Cooling
Weatherization	Foam or V-strip weatherstripping	Mixture of no weatherstripping and weatherstripping to be replaced.	Mixture of no weatherstripping and weatherstripping to be replaced.	-	-	7061.3	-	7024.6	-	36.7	0.022	13	Electric Heating and Cooling

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Agribusiness	CREEP HEAT CONTROLLER	NEMA 4 or 4X. Must meet all applicable Code, standard, safety and regulatory requirements including CSA/UL/CUL	Poorly Controlled Creep Heat Lamps	6900	1.75	12,075.0	1.40	9,660.0	0.350	2,415.0	0.276	15	PSP-Business-Commercial-Creep_Heat_Controller	\$666.00
Agribusiness	DAIRY ENERGY STAR WATER HEATER	Energy Star Electric Hot Water Tank >= 60 gal	Standard electric hot water heater	8760	1.72	15,086.4	0.77	6,788.9	0.947	8,297.5	0.947	15	PSP-Industrial-Agriculture-Other	\$853.00
Agribusiness	DAIRY PLATE COOLER	Plate cooler to pre-cool milk prior to refrigeration	No pre-cooling	2920					2.570	7,503.0	0.000	15	PSP-Industrial-Agriculture-Process_Cooling	\$3,098.00
Agribusiness	DOUBLE CREEP HEAT PAD	Up to 200W maximum	2 x 175W Heat Lamps	6900	0.35	2,415.0	0.17	1,166.1	0.181	1,248.9	0.000	10	EM&V-Commercial-Creep_Heat_Pad	\$95.00
Agribusiness	DUAL AND NATURAL EXHAUST VENTILATION SYSTEM	Chicken broilers	Fans: 340W/1000 birds	3000	0.34	1,020.0	0.15	203.8	0.188	816.2	0.118	15	EM&V-Commercial-Dual_&_Natural_Ventilation_Fans_All_Year	\$27,000.00
Agribusiness	DUAL AND NATURAL EXHAUST VENTILATION SYSTEM	Dairy-tie stall, outside in summer	50% in barn; 50% on pasture	5043	0.04	176.5	0.02	35.3	0.019	141.2	0.000	15	EM&V-Commercial-Dual_&_Natural_Ventilation_Fans_Winter_Only	\$12,000.00
Agribusiness	DUAL AND NATURAL EXHAUST VENTILATION SYSTEM	Dairy-tie stall, year-round housing	Fans: 35W/cow	6548	0.04	229.2	0.02	45.8	0.019	183.4	0.000	15	EM&V-Commercial-Dual_&_Natural_Ventilation_Fans_Winter_Only	\$12,000.00
Agribusiness	DUAL AND NATURAL EXHAUST VENTILATION SYSTEM	Egg layers	Fans: 400W/1000 birds	5475	0.40	2,190.0	0.18	437.6	0.221	1,752.4	0.252	15	EM&V-Commercial-Dual_&_Natural_Ventilation_Fans_All_Year	\$18,000.00
Agribusiness	DUAL AND NATURAL EXHAUST VENTILATION SYSTEM	Greenhouse - Flowers	Fans: 1260W/1000 sq. meters	8760	1.26	11,037.6	0.56	2,205.4	0.697	8,832.2	1.272	15	EM&V-Commercial-Dual_&_Natural_Ventilation_Fans_All_Year	\$10,250.00
Agribusiness	DUAL AND NATURAL EXHAUST VENTILATION SYSTEM	Swine - Breeding & Gestation	Fans: 17W/sow	5864	0.02	99.7	0.01	19.9	0.009	79.8	0.011	15	EM&V-Commercial-Dual_&_Natural_Ventilation_Fans_All_Year	\$5,500.00
Agribusiness	DUAL AND NATURAL EXHAUST VENTILATION SYSTEM	Swine - Growing & Finishing	Fans: 5W/market-weight hog	8760	0.01	43.8	0.00	8.8	0.003	35.0	0.005	15	EM&V-Commercial-Dual_&_Natural_Ventilation_Fans_All_Year	\$15,000.00
Agribusiness	DUAL AND NATURAL EXHAUST VENTILATION SYSTEM	Turkeys	Fans: 1130W/1000 birds	6971	1.13	7,876.8	0.51	1,573.8	0.625	6,302.9	0.908	15	EM&V-Commercial-Dual_&_Natural_Ventilation_Fans_All_Year	\$15,000.00
Agribusiness	ENGINE BLOCK HEATER TIMER	Plug-in timer that operates the heater only when outdoor temp drops below -3.8C	Manual plug in block heater						0.000	632.4	0.000	3	EM&V-Residential-Car_Block_Heater_South_Ontario	\$13.76
Agribusiness	HIGH EFFICIENCY VENTILATION EXHAUST FANS	>= 18 to < 24" Fan	Minimum fan grouping in category from BESS Laboratory ratings	4313	0.39	1,687.7	0.29	1,252.2	0.101	435.5	0.128	15	EM&V-Commercial-HE_Ventilation_Exhaust_Fans	\$202.00
Agribusiness	HIGH EFFICIENCY VENTILATION EXHAUST FANS	>= 24" to < 36" Fans	Minimum fan grouping in category from BESS Laboratory ratings	4313	0.56	2,416.1	0.41	1,768.6	0.150	647.4	0.190	15	EM&V-Commercial-HE_Ventilation_Exhaust_Fans	\$202.00
Agribusiness	HIGH EFFICIENCY VENTILATION EXHAUST FANS	>= 36" to < 48" Fans	Minimum fan grouping in category from BESS Laboratory ratings	4313	0.72	3,116.0	0.56	2,434.4	0.158	681.6	0.200	15	EM&V-Commercial-HE_Ventilation_Exhaust_Fans	\$202.00
Agribusiness	HIGH EFFICIENCY VENTILATION EXHAUST FANS	>= 48" Fans	Minimum fan grouping in category from BESS Laboratory ratings	4313	1.27	5,482.4	1.00	4,298.9	0.274	1,183.4	0.347	15	EM&V-Commercial-HE_Ventilation_Exhaust_Fans	\$202.00
Agribusiness	HIGH TEMPERATURE CUTOUT THERMOSTAT	Operating range 24 to 40 Celsius	Poorly Controlled Creep Heat Lamps	6900		10,867.5		9,872.1		995.4	0.816	10	PSP-Business-Commercial-HT_Cutout_Thermostat	\$124.00
Agribusiness	HIGH VOLUME LOW SPEED FAN	>= 10 ft to <11 ft, 1 HP	2 units Box fan, 1 HP	2124	2.51	5,322.7	0.42	900.6	2.082	4,422.2	1.510	15	EM&V-Commercial-HVLS_No_Summer_Operation	\$1,293.00
Agribusiness	HIGH VOLUME LOW SPEED FAN	>= 11 ft to <19 ft, 1.5 HP	4 units Box fan, 1 HP	2124	3.90	8,279.4	0.66	1,399.7	3.239	6,879.6	2.350	15	EM&V-Commercial-HVLS_No_Summer_Operation	\$2,962.00
Agribusiness	HIGH VOLUME LOW SPEED FAN	>= 19 ft to <=24 ft, 2 HP	4 units Box fan, 1 HP	2124	5.56	11,798.8	0.94	1,996.6	4.615	9,802.3	3.348	15	EM&V-Commercial-HVLS_No_Summer_Operation	\$5,558.00
Agribusiness	LOW ENERGY LIVESTOCK WATERERS	300W maximum	1500W (Max) electric heated Waterers	2804					0.850	2,383.0	0.000	10	PSP-Business-Commercial-Livestock_Waterer	\$920.00
Agribusiness	MILK SCROLL COMPRESSOR	New scroll compressor for milk cooling with minimum EER of 12	Old Reciprocating Compressor	2920					2.314	6,759.0	0.772	15	PSP-Industrial-Agriculture-Other	\$540.00

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Agribusiness	PHOTOCELL AND TIMER FOR LIGHTING CONTROL	Timer to regulate on-off lighting schedule	250W Metal Halide (Assume 4 Lamps per Photocell)	6205	1.15	7,148.2	1.15	2,852.4	0.000	4,295.8	0.477	8	EM&V-Commercial-HVAC_Fans_Pumps	\$78.00
Agribusiness	SINGLE CREEP HEAT PAD	Up to 100W maximum	175W Heat Lamp	6900	0.18	1,207.5	0.09	586.5	0.090	621.0	0.000	10	EM&V-Commercial-Creep_Heat_Pad	\$70.00
Agribusiness	SOLAR HOT WATER COLLECTOR FOR DAIRY FARMS	Solar hot water collector to be used with electric hot water heater	Standard electric hot water heater	8760						9,948.0	1.104	15	EM&V-Commercial-HVAC_Fans_Pumps	\$9,880.00
Building Plug Load	BEVERAGE VENDING MACHINE CONTROLS	Power Sensor and/or Occupancy Control for Refrigerated Vending Machine	Standard beverage vending machines	8760						1,612.9	0.195	5	PSP-Business-Commercial-Other_Plug_Loads	\$290.00
Commercial Domestic Hot Water	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	<100 W (<0.134HP)	Circulator pump with PSC motor	2190	0.28	613.2	0.05	109.5	0.230	503.7	0.062	15	PSP-Business-Commercial-Domestic_Hot_Water	\$1,225.00
Commercial Domestic Hot Water	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=100<500 W (>=0.134<0.67HP)	Circulator pump with PSC motor	2190	1.39	3,044.1	0.25	547.5	1.140	2,496.6	0.305	15	PSP-Business-Commercial-Domestic_Hot_Water	\$1,536.00
Commercial Domestic Hot Water	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=1490<2237 W (>=2<3HP)	Circulator pump with PSC motor	2190	9.75	21,352.5	1.76	3,854.4	7.990	17,498.1	2.140	15	PSP-Business-Commercial-Domestic_Hot_Water	\$1,896.00
Commercial Domestic Hot Water	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=500<750 W (>=0.67<1HP)	Circulator pump with PSC motor	2190	3.89	8,519.1	0.70	1,533.0	3.190	6,986.1	0.854	15	PSP-Business-Commercial-Domestic_Hot_Water	\$1,599.00
Commercial Domestic Hot Water	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=750<1490 W (>=1<2HP)	Circulator pump with PSC motor	2190	4.88	10,687.2	0.88	1,927.2	4.000	8,760.0	1.071	15	PSP-Business-Commercial-Domestic_Hot_Water	\$1,800.00
Commercial Domestic Hot Water	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	2237 W (3HP)	Circulator pump with PSC motor	2190	14.63	32,039.7	2.63	5,759.7	12.000	26,280.0	3.214	15	PSP-Business-Commercial-Domestic_Hot_Water	\$2,592.00
Compressed Air	COMPRESSED AIR LOW PRESSURE DROP FILTER	>=30 to <50 HP	Standard coalescing filter	5700					0.000	3,543.5	0.405	7	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$515.00
Compressed Air	COMPRESSED AIR LOW PRESSURE DROP FILTER	>=50 to <70 HP	Standard coalescing filter	5700					0.000	5,315.3	0.607	7	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$626.00
Compressed Air	COMPRESSED AIR LOW PRESSURE DROP FILTER	>=70 to <90 HP	Standard coalescing filter	5700					0.000	7,087.0	0.809	7	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$709.00
Compressed Air	COMPRESSED AIR LOW PRESSURE DROP FILTER	>=90 to <110 HP	Standard coalescing filter	5700					0.000	8,858.8	1.012	7	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$1,069.00
Compressed Air	COMPRESSED AIR LOW PRESSURE DROP FILTER	0 to <30 HP	Standard coalescing filter	5700					0.000	1,771.8	0.202	7	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$270.00
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 10 HP	Fixed Speed Compressor >= 10 HP	5705					1.482	9,493.8	1.084	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$2,095.00
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 100 HP	Fixed Speed Compressor >= 100 HP	5705					18.583	119,057.8	13.598	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$13,888.00
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 125 HP	Fixed Speed Compressor >= 125 HP	5705					23.229	148,822.2	16.998	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$18,628.00
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 15 HP	Fixed Speed Compressor >= 15 HP	5705					2.223	14,240.7	1.627	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$2,470.00
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 150 HP	Fixed Speed Compressor >= 150 HP	5705					27.875	178,586.6	20.397	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$23,167.00
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 20 HP	Fixed Speed Compressor >= 20 HP	5705					2.964	18,987.7	2.169	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$2,980.00
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 200 HP	Fixed Speed Compressor >= 200 HP	5705					37.166	238,115.5	27.196	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$24,092.00
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 25 HP	Fixed Speed Compressor >= 25 HP	5705					3.705	23,734.6	2.711	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$3,289.00

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 30 HP	Fixed Speed Compressor >= 30 HP	5705					4.446	28,481.5	3.253	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$3,514.00
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 40 HP	Fixed Speed Compressor >= 40 HP	5705					5.927	37,975.3	4.337	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$4,929.00
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 50 HP	Fixed Speed Compressor >= 50 HP	5705					9.292	59,528.9	6.799	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$5,430.00
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 60 HP	Fixed Speed Compressor >= 60 HP	5705					11.150	71,434.7	8.159	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$9,323.00
Compressed Air	COMPRESSED AIR VD	Variable Displacement Compressor >= 75 HP	Fixed Speed Compressor >= 75 HP	5705					13.937	89,293.3	10.199	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$13,118.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 10 HP	Fixed Speed Compressor >= 10 HP	5705					1.185	7,595.1	0.867	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$2,893.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 100 HP	Fixed Speed Compressor >= 100 HP	5705					14.867	95,246.2	10.878	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$22,128.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 125 HP	Fixed Speed Compressor >= 125 HP	5705					18.583	119,057.8	13.598	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$28,888.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 15 HP	Fixed Speed Compressor >= 15 HP	5705					1.778	11,392.6	1.301	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$3,441.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 150 HP	Fixed Speed Compressor >= 150 HP	5705					22.300	142,869.3	16.318	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$32,717.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 20 HP	Fixed Speed Compressor >= 20 HP	5705					2.371	15,190.1	1.735	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$5,336.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 200 HP	Fixed Speed Compressor >= 200 HP	5705					29.733	190,492.4	21.757	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$54,642.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 25 HP	Fixed Speed Compressor >= 25 HP	5705					2.964	18,987.7	2.169	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$5,580.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 30 HP	Fixed Speed Compressor >= 30 HP	5705					3.556	22,785.2	2.602	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$6,113.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 40 HP	Fixed Speed Compressor >= 40 HP	5705					4.742	30,380.3	3.470	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$6,643.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 50 HP	Fixed Speed Compressor >= 50 HP	5705					7.433	47,623.1	5.439	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$8,993.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 60 HP	Fixed Speed Compressor >= 60 HP	5705					8.920	57,147.7	6.527	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$15,578.00
Compressed Air	COMPRESSED AIR VSD	Variable Speed Drive Compressor >= 75 HP	Fixed Speed Compressor >= 75 HP	5705					11.150	71,434.7	8.159	13	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$15,868.00
Compressed Air	CYCLING OR THERMAL MASS REFRIGERATED DRYER	>=200 to <400 CFM	Non-Cycling Refrigerated Dryer	3920					0.000	2,487.1	0.284	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$1,839.00
Compressed Air	CYCLING OR THERMAL MASS REFRIGERATED DRYER	>=400 to <750 CFM	Non-Cycling Refrigerated Dryer	3920					0.000	4,974.2	0.568	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$2,709.00
Compressed Air	CYCLING OR THERMAL MASS REFRIGERATED DRYER	0 to <200 CFM	Non-Cycling Refrigerated Dryer	3920					0.000	994.8	0.114	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$703.00
Compressed Air	ENGINEERED NOZZLE	1/16" Engineered Nozzle	Crimped Pipe or locally made nozzle	3920					0.028	109.4	0.012	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$112.00
Compressed Air	ENGINEERED NOZZLE	1/4" Engineered Nozzle	Crimped Pipe or locally made nozzle	3920					0.440	1,724.8	0.197	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$142.00

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Compressed Air	ENGINEERED NOZZLE	1/8" Engineered Nozzle	Crimped Pipe or locally made nozzle	3920					0.110	431.2	0.049	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$98.00
Compressed Air	ENGINEERED NOZZLE	3/8" Engineered Nozzle	Crimped Pipe or locally made nozzle	3920					0.990	3,880.8	0.443	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$121.00
Compressed Air	PRIMARY AIR RECEIVER TANK	>=125 to <175 HP (>=2200 to <3150 USG)	Primary storage ratio of 1 USG/CFM of oil-flooded load/no load air compressor	5700					0.000	55,800.0	6.373	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$29,673.00
Compressed Air	PRIMARY AIR RECEIVER TANK	>=15 to <25 HP (>=240 to <400 USG)	Primary storage ratio of 1 USG/CFM of oil-flooded load/no load air compressor	5700					0.000	9,513.3	1.087	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$4,147.00
Compressed Air	PRIMARY AIR RECEIVER TANK	>=175 to <225 HP (>=3150 to <4050 USG)	Primary storage ratio of 1 USG/CFM of oil-flooded load/no load air compressor	5700					0.000	74,400.0	8.498	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$40,007.00
Compressed Air	PRIMARY AIR RECEIVER TANK	>=25 to <35 HP (>=400 to <660 USG)	Primary storage ratio of 1 USG/CFM of oil-flooded load/no load air compressor	5700					0.000	14,270.0	1.630	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$5,846.00
Compressed Air	PRIMARY AIR RECEIVER TANK	>=35 to <45 HP (>=660 to <1060 USG)	Primary storage ratio of 1 USG/CFM of oil-flooded load/no load air compressor	5700					0.000	19,026.7	2.173	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$11,363.00
Compressed Air	PRIMARY AIR RECEIVER TANK	>=45 to <55 HP (>=800 to <1060 USG)	Primary storage ratio of 1 USG/CFM of oil-flooded load/no load air compressor	5700					0.000	18,600.0	2.124	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$13,707.00
Compressed Air	PRIMARY AIR RECEIVER TANK	>=55 to <125 HP (>=1060 to <2220 USG)	Primary storage ratio of 1 USG/CFM of oil-flooded load/no load air compressor	5700					0.000	37,200.0	4.249	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$16,050.00
Compressed Air	PRIMARY AIR RECEIVER TANK	0 to <15 HP (0 to <240 USG)	Primary storage ratio of 1 USG/CFM of oil-flooded load/no load air compressor	5700					0.000	4,756.7	0.543	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$2,908.00
Compressed Air	REGENERATIVE DRYER WITH DEWPOINT CONTROL	>=200 to <400 CFM	Regenerative Dryer with Timer Controlled Regeneration	3920					0.000	16,587.0	1.894	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$4,538.00
Compressed Air	REGENERATIVE DRYER WITH DEWPOINT CONTROL	>=400 to <750 CFM	Regenerative Dryer with Timer Controlled Regeneration	3920					0.000	33,174.0	3.789	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$4,538.00
Compressed Air	REGENERATIVE DRYER WITH DEWPOINT CONTROL	0 to <200 CFM	Regenerative Dryer with Timer Controlled Regeneration	3920					0.000	6,634.8	0.758	15	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$4,538.00
Compressed Air	ZERO LOSS DRAIN	Zero Loss Drain	Time controlled moisture drain	3920					0.308	1,206.0	0.138	10	PSP-Industrial-Miscellaneous_Industrial-Compressed_Air	\$380.00
Demand Control Ventilation	DEMAND CONTROL KITCHEN VENTILATION	10001 - 15000 CFM exhaust fan capacity	Constant volume exhaust fan	5840		48,705.6		20,465.6		28,240.0	4.014	15	PSP-Business-Commercial-Cooking	\$42,101.00
Demand Control Ventilation	DEMAND CONTROL KITCHEN VENTILATION	5001 - 10000 CFM exhaust fan capacity	Constant volume exhaust fan	5840		27,389.6		11,508.8		15,880.8	2.258	15	PSP-Business-Commercial-Cooking	\$25,261.00
Demand Control Ventilation	DEMAND CONTROL KITCHEN VENTILATION	Up to 5000 CFM exhaust fan capacity	Constant volume exhaust fan	5840		8,234.4		3,460.0		4,774.4	0.679	15	PSP-Business-Commercial-Cooking	\$8,420.00
Demand Control Ventilation	DEMAND CONTROL VENTILATION - ENCLOSED PARKING GARAGES	>=2 to <= 5 HP	Garage ventilation fans running continuously	8760	0.00	0.0	0.00	0.0	0.000	8,294.4	0.947	10	PSP-Consumer-Residential-Ventilation_And_Circulation	\$2,100.00
Demand Control Ventilation	DEMAND CONTROL VENTILATION - ENCLOSED PARKING GARAGES	>10 to <= 25 HP	Garage ventilation fans running continuously	8760					0.000	41,471.9	4.734	10	PSP-Consumer-Residential-Ventilation_And_Circulation	\$4,200.00
Demand Control Ventilation	DEMAND CONTROL VENTILATION - ENCLOSED PARKING GARAGES	>25 to <= 50 HP	Garage ventilation fans running continuously	8760					0.000	82,943.7	9.468	10	PSP-Consumer-Residential-Ventilation_And_Circulation	\$4,200.00
Demand Control Ventilation	DEMAND CONTROL VENTILATION - ENCLOSED PARKING GARAGES	>5 to <= 10 HP	Garage ventilation fans running continuously	8760					0.000	16,588.7	1.894	10	PSP-Consumer-Residential-Ventilation_And_Circulation	\$2,100.00
Demand Control Ventilation	DEMAND CONTROL VENTILATION - ENCLOSED PARKING GARAGES	>50 to <= 75 HP	Garage ventilation fans running continuously	8760					0.000	124,415.6	14.203	10	PSP-Consumer-Residential-Ventilation_And_Circulation	\$8,400.00
Demand Control Ventilation	DEMAND CONTROL VENTILATION - ENCLOSED PARKING GARAGES	>75 to <= 100 HP	Garage ventilation fans running continuously	8760					0.000	165,887.4	18.937	10	PSP-Consumer-Residential-Ventilation_And_Circulation	\$8,400.00

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Demand Control Ventilation	DEMAND CONTROL VENTILATION - INTERIOR CONDITIONED SPACES	>100000 & <250000 SQ.FT.	Constant volume Ventilation System	8760					0.000	43,575.0	0.000	10	PSP-Consumer-Residential-Ventilation_And_Circulation	\$29,750.00
Demand Control Ventilation	DEMAND CONTROL VENTILATION - INTERIOR CONDITIONED SPACES	>250000 & <500000 SQ.FT.	Constant volume Ventilation System	8760					0.000	93,375.0	0.000	10	PSP-Consumer-Residential-Ventilation_And_Circulation	\$63,750.00
Demand Control Ventilation	DEMAND CONTROL VENTILATION - INTERIOR CONDITIONED SPACES	>500000 & <750000 SQ.FT.	Constant volume Ventilation System	8760					0.000	155,625.0	0.000	10	PSP-Consumer-Residential-Ventilation_And_Circulation	\$106,250.00
Demand Control Ventilation	DEMAND CONTROL VENTILATION - INTERIOR CONDITIONED SPACES	>750000 to <1000000 SQ.FT.	Constant volume Ventilation System	8760					0.000	217,875.0	0.000	10	PSP-Consumer-Residential-Ventilation_And_Circulation	\$148,750.00
Demand Control Ventilation	DEMAND CONTROL VENTILATION - INTERIOR CONDITIONED SPACES	50000 to <= 100000 SQ.FT.	Constant volume Ventilation System	8760					0.000	18,675.0	0.000	10	PSP-Consumer-Residential-Ventilation_And_Circulation	\$12,750.00
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 1 HP, 1200 RPM, 83.5%	ODP Motor, 1 HP, 1200 RPM, 82.5%	4000	0.68	2,712.7	0.67	2,680.2	0.008	32.5	0.004	15	EM&V-Commercial-HVAC_Fans_Pumps	\$66.79
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 1 HP, 1800 RPM, 86.5%	ODP Motor, 1 HP, 1800 RPM, 85.5%	4000	0.65	2,617.5	0.65	2,587.3	0.008	30.3	0.003	15	EM&V-Commercial-HVAC_Fans_Pumps	\$66.79
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 1 HP, 3600 RPM, 78%	ODP Motor, 1 HP, 3600 RPM, 77%	4000	0.73	2,906.5	0.72	2,869.2	0.009	37.3	0.004	15	EM&V-Commercial-HVAC_Fans_Pumps	\$66.79
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%	4000	0.97	3,880.9	0.96	3,836.6	0.011	44.4	0.005	15	EM&V-Commercial-HVAC_Fans_Pumps	\$97.73
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%	4000	0.97	3,880.9	0.96	3,836.6	0.011	44.4	0.005	15	EM&V-Commercial-HVAC_Fans_Pumps	\$97.73
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 1.5 HP, 3600 RPM, 85%	ODP Motor, 1.5 HP, 3600 RPM, 84%	4000	1.00	3,996.4	0.99	3,949.4	0.012	47.0	0.005	15	EM&V-Commercial-HVAC_Fans_Pumps	\$97.73
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 10 HP, 1200 RPM, 92.7%	ODP Motor, 10 HP, 1200 RPM, 91.7%	4000	6.10	24,405.7	6.04	24,142.4	0.066	263.3	0.029	15	EM&V-Commercial-HVAC_Fans_Pumps	\$269.08
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 10 HP, 1800 RPM, 92.7%	ODP Motor, 10 HP, 1800 RPM, 91.7%	4000	6.10	24,405.7	6.04	24,142.4	0.066	263.3	0.029	15	EM&V-Commercial-HVAC_Fans_Pumps	\$269.08
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 10 HP, 3600 RPM, 90.5%	ODP Motor, 10 HP, 3600 RPM, 89.5%	4000	6.25	25,005.6	6.18	24,729.3	0.069	276.3	0.031	15	EM&V-Commercial-HVAC_Fans_Pumps	\$269.08
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 100 HP, 1200 RPM, 96%	ODP Motor, 100 HP, 1200 RPM, 95%	4000	58.89	235,578.9	58.28	233,125.0	0.613	2,453.9	0.272	15	EM&V-Commercial-HVAC_Fans_Pumps	\$1,132.70
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 100 HP, 1800 RPM, 96.4%	ODP Motor, 100 HP, 1800 RPM, 95.4%	4000	58.65	234,591.2	58.04	232,157.7	0.608	2,433.5	0.270	15	EM&V-Commercial-HVAC_Fans_Pumps	\$1,132.70
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 100 HP, 3600 RPM, 94.6%	ODP Motor, 100 HP, 3600 RPM, 93.6%	4000	59.78	239,102.6	59.14	236,575.1	0.632	2,527.5	0.281	15	EM&V-Commercial-HVAC_Fans_Pumps	\$1,132.70
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 125 HP, 1200 RPM, 96%	ODP Motor, 125 HP, 1200 RPM, 95%	4000	73.62	294,473.7	72.85	291,406.3	0.767	3,067.4	0.341	15	EM&V-Commercial-HVAC_Fans_Pumps	\$4,360.91
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 125 HP, 1800 RPM, 96.4%	ODP Motor, 125 HP, 1800 RPM, 95.4%	4000	73.31	293,239.0	72.55	290,197.1	0.760	3,041.9	0.338	15	EM&V-Commercial-HVAC_Fans_Pumps	\$4,360.91
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 125 HP, 3600 RPM, 95.1%	ODP Motor, 125 HP, 3600 RPM, 94.1%	4000	74.32	297,290.1	73.54	294,164.0	0.782	3,126.1	0.347	15	EM&V-Commercial-HVAC_Fans_Pumps	\$4,360.91
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 15 HP, 1200 RPM, 92.7%	ODP Motor, 15 HP, 1200 RPM, 91.7%	4000	9.15	36,608.5	9.05	36,213.6	0.099	394.9	0.044	15	EM&V-Commercial-HVAC_Fans_Pumps	\$234.99
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 15 HP, 1800 RPM, 94%	ODP Motor, 15 HP, 1800 RPM, 93%	4000	9.02	36,096.8	8.93	35,712.8	0.096	384.0	0.043	15	EM&V-Commercial-HVAC_Fans_Pumps	\$234.99
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 15 HP, 3600 RPM, 91.2%	ODP Motor, 15 HP, 3600 RPM, 90.2%	4000	9.30	37,217.3	9.20	36,809.2	0.102	408.1	0.045	15	EM&V-Commercial-HVAC_Fans_Pumps	\$234.99

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 150 HP, 1200 RPM, 96.4%	ODP Motor, 150 HP, 1200 RPM, 95.4%	4000	87.97	351,886.8	87.06	348,236.5	0.913	3,650.3	0.405	15	EM&V-Commercial-HVAC_Fans_Pumps	\$5,318.51
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 150 HP, 1800 RPM, 96.8%	ODP Motor, 150 HP, 1800 RPM, 95.8%	4000	87.60	350,417.5	86.70	346,797.5	0.905	3,620.0	0.402	15	EM&V-Commercial-HVAC_Fans_Pumps	\$5,318.51
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 150 HP, 3600 RPM, 95.1%	ODP Motor, 150 HP, 3600 RPM, 94.1%	4000	89.19	356,748.1	88.25	352,996.8	0.938	3,751.3	0.416	15	EM&V-Commercial-HVAC_Fans_Pumps	\$5,318.51
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 2 HP, 1200 RPM, 88.5%	ODP Motor, 2 HP, 1200 RPM, 87.5%	4000	1.28	5,115.4	1.26	5,057.6	0.014	57.8	0.006	15	EM&V-Commercial-HVAC_Fans_Pumps	\$105.01
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 2 HP, 1800 RPM, 87.5%	ODP Motor, 2 HP, 1800 RPM, 86.5%	4000	1.29	5,174.6	1.28	5,115.4	0.015	59.1	0.007	15	EM&V-Commercial-HVAC_Fans_Pumps	\$105.01
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 2 HP, 3600 RPM, 86.5%	ODP Motor, 2 HP, 3600 RPM, 85.5%	4000	1.31	5,235.1	1.29	5,174.6	0.015	60.5	0.007	15	EM&V-Commercial-HVAC_Fans_Pumps	\$105.01
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 20 HP, 1200 RPM, 93.4%	ODP Motor, 20 HP, 1200 RPM, 92.4%	4000	12.11	48,441.6	11.98	47,922.9	0.130	518.6	0.058	15	EM&V-Commercial-HVAC_Fans_Pumps	\$263.31
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 20 HP, 1800 RPM, 94%	ODP Motor, 20 HP, 1800 RPM, 93%	4000	12.03	48,129.0	11.90	47,617.0	0.128	512.0	0.057	15	EM&V-Commercial-HVAC_Fans_Pumps	\$263.31
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 20 HP, 3600 RPM, 92%	ODP Motor, 20 HP, 3600 RPM, 91%	4000	12.30	49,186.8	12.16	48,652.2	0.134	534.6	0.059	15	EM&V-Commercial-HVAC_Fans_Pumps	\$263.31
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 200 HP, 1200 RPM, 96.4%	ODP Motor, 200 HP, 1200 RPM, 95.4%	4000	117.30	469,182.4	116.08	464,315.4	1.217	4,867.0	0.540	15	EM&V-Commercial-HVAC_Fans_Pumps	\$6,123.77
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 200 HP, 1800 RPM, 96.8%	ODP Motor, 200 HP, 1800 RPM, 95.8%	4000	116.81	467,223.4	115.60	462,396.7	1.207	4,826.7	0.536	15	EM&V-Commercial-HVAC_Fans_Pumps	\$6,123.77
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 200 HP, 3600 RPM, 96%	ODP Motor, 200 HP, 3600 RPM, 95%	4000	117.79	471,157.9	116.56	466,250.0	1.227	4,907.9	0.545	15	EM&V-Commercial-HVAC_Fans_Pumps	\$6,123.77
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 25 HP, 1200 RPM, 94%	ODP Motor, 25 HP, 1200 RPM, 93%	4000	15.04	60,161.3	14.88	59,521.3	0.160	640.0	0.071	15	EM&V-Commercial-HVAC_Fans_Pumps	\$322.80
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 25 HP, 1800 RPM, 94.6%	ODP Motor, 25 HP, 1800 RPM, 93.6%	4000	14.94	59,775.6	14.79	59,143.8	0.158	631.9	0.070	15	EM&V-Commercial-HVAC_Fans_Pumps	\$322.80
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 25 HP, 3600 RPM, 92.7%	ODP Motor, 25 HP, 3600 RPM, 91.7%	4000	15.25	61,014.2	15.09	60,356.0	0.165	658.2	0.073	15	EM&V-Commercial-HVAC_Fans_Pumps	\$322.80
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 250 HP, 1200 RPM, 96.4%	ODP Motor, 250 HP, 1200 RPM, 95.4%	4000	147.03	588,132.8	148.57	594,297.7	1.541	6,165.0	0.690	15	EM&V-Commercial-HVAC_Fans_Pumps	\$7,258.34
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 250 HP, 1800 RPM, 96.8%	ODP Motor, 250 HP, 1800 RPM, 95.8%	4000	146.43	585,702.5	147.95	591,816.3	1.529	6,114.0	0.679	15	EM&V-Commercial-HVAC_Fans_Pumps	\$7,258.34
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 250 HP, 3600 RPM, 96%	ODP Motor, 250 HP, 3600 RPM, 95%	4000	147.65	590,583.3	149.20	596,800.0	1.544	6,218.0	0.683	15	EM&V-Commercial-HVAC_Fans_Pumps	\$7,258.34
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 3 HP, 1200 RPM, 89.5%	ODP Motor, 3 HP, 1200 RPM, 88.5%	4000	1.90	7,586.4	1.88	7,501.7	0.021	84.8	0.009	15	EM&V-Commercial-HVAC_Fans_Pumps	\$120.89
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 3 HP, 1800 RPM, 90.5%	ODP Motor, 3 HP, 1800 RPM, 89.5%	4000	1.88	7,501.7	1.85	7,418.8	0.021	82.9	0.009	15	EM&V-Commercial-HVAC_Fans_Pumps	\$120.89
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 3 HP, 3600 RPM, 86.5%	ODP Motor, 3 HP, 3600 RPM, 85.5%	4000	1.96	7,852.6	1.94	7,761.8	0.023	90.8	0.010	15	EM&V-Commercial-HVAC_Fans_Pumps	\$120.89
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 30 HP, 1200 RPM, 94.6%	ODP Motor, 30 HP, 1200 RPM, 93.6%	4000	17.93	71,730.8	17.74	70,972.5	0.190	758.3	0.084	15	EM&V-Commercial-HVAC_Fans_Pumps	\$385.46
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 30 HP, 1800 RPM, 95.1%	ODP Motor, 30 HP, 1800 RPM, 94.1%	4000	17.84	71,349.6	17.65	70,599.4	0.188	750.3	0.083	15	EM&V-Commercial-HVAC_Fans_Pumps	\$385.46

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 30 HP, 3600 RPM, 92.7%	ODP Motor, 30 HP, 3600 RPM, 91.7%	4000	18.30	73,217.0	18.11	72,427.2	0.197	789.8	0.088	15	EM&V-Commercial-HVAC_Fans_Pumps	\$385.46
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 300 HP, 1200 RPM, 96.4%	ODP Motor, 300 HP, 1200 RPM, 95.4%	4000	176.44	705,759.3	178.29	713,157.2	1.850	7,398.0	0.828	15	EM&V-Commercial-HVAC_Fans_Pumps	\$8,739.56
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 300 HP, 1800 RPM, 96.8%	ODP Motor, 300 HP, 1800 RPM, 95.8%	4000	175.71	702,843.0	177.54	710,179.5	1.834	7,337.0	0.814	15	EM&V-Commercial-HVAC_Fans_Pumps	\$8,739.56
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 300 HP, 3600 RPM, 96.4%	ODP Motor, 300 HP, 3600 RPM, 95.4%	4000	176.44	705,759.3	178.29	713,157.2	1.850	7,398.0	0.821	15	EM&V-Commercial-HVAC_Fans_Pumps	\$8,739.56
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 40 HP, 1200 RPM, 95.1%	ODP Motor, 40 HP, 1200 RPM, 94.1%	4000	23.78	95,132.8	23.53	94,132.5	0.250	1,000.3	0.111	15	EM&V-Commercial-HVAC_Fans_Pumps	\$459.00
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 40 HP, 1800 RPM, 95.1%	ODP Motor, 40 HP, 1800 RPM, 94.1%	4000	23.78	95,132.8	23.53	94,132.5	0.250	1,000.3	0.111	15	EM&V-Commercial-HVAC_Fans_Pumps	\$459.00
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 40 HP, 3600 RPM, 93.4%	ODP Motor, 40 HP, 3600 RPM, 92.4%	4000	24.22	96,883.1	23.96	95,845.8	0.259	1,037.3	0.115	15	EM&V-Commercial-HVAC_Fans_Pumps	\$459.00
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 5 HP, 1200 RPM, 90.5%	ODP Motor, 5 HP, 1200 RPM, 89.5%	4000	3.13	12,502.8	3.09	12,364.6	0.035	138.2	0.015	15	EM&V-Commercial-HVAC_Fans_Pumps	\$166.98
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 5 HP, 1800 RPM, 90.5%	ODP Motor, 5 HP, 1800 RPM, 89.5%	4000	3.13	12,502.8	3.09	12,364.6	0.035	138.2	0.015	15	EM&V-Commercial-HVAC_Fans_Pumps	\$166.98
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 5 HP, 3600 RPM, 87.5%	ODP Motor, 5 HP, 3600 RPM, 86.5%	4000	3.23	12,936.4	3.20	12,788.6	0.037	147.8	0.016	15	EM&V-Commercial-HVAC_Fans_Pumps	\$166.98
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 50 HP, 1200 RPM, 95.1%	ODP Motor, 50 HP, 1200 RPM, 94.1%	4000	29.73	118,916.0	29.42	117,665.6	0.313	1,250.4	0.139	15	EM&V-Commercial-HVAC_Fans_Pumps	\$553.23
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 50 HP, 1800 RPM, 95.5%	ODP Motor, 50 HP, 1800 RPM, 94.5%	4000	29.60	118,412.7	29.29	117,172.8	0.310	1,239.9	0.138	15	EM&V-Commercial-HVAC_Fans_Pumps	\$553.23
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 50 HP, 3600 RPM, 94%	ODP Motor, 50 HP, 3600 RPM, 93%	4000	30.08	120,322.6	29.76	119,042.6	0.320	1,280.0	0.142	15	EM&V-Commercial-HVAC_Fans_Pumps	\$553.23
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 60 HP, 1200 RPM, 95.5%	ODP Motor, 60 HP, 1200 RPM, 94.5%	4000	35.52	142,095.2	35.15	140,607.3	0.372	1,487.9	0.165	15	EM&V-Commercial-HVAC_Fans_Pumps	\$690.70
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 60 HP, 1800 RPM, 96%	ODP Motor, 60 HP, 1800 RPM, 95%	4000	35.34	141,347.4	34.97	139,875.0	0.368	1,472.4	0.163	15	EM&V-Commercial-HVAC_Fans_Pumps	\$690.70
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 60 HP, 3600 RPM, 94.6%	ODP Motor, 60 HP, 3600 RPM, 93.6%	4000	35.87	143,461.5	35.49	141,945.0	0.379	1,516.5	0.168	15	EM&V-Commercial-HVAC_Fans_Pumps	\$690.70
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%	4000	4.65	18,608.6	4.60	18,404.6	0.051	204.0	0.023	15	EM&V-Commercial-HVAC_Fans_Pumps	\$210.95
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 7.5 HP, 1800 RPM, 92%	ODP Motor, 7.5 HP, 1800 RPM, 91%	4000	4.61	18,445.1	4.56	18,244.6	0.050	200.5	0.022	15	EM&V-Commercial-HVAC_Fans_Pumps	\$210.95
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%	4000	4.74	18,966.1	4.69	18,754.2	0.053	211.9	0.024	15	EM&V-Commercial-HVAC_Fans_Pumps	\$210.95
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 75 HP, 1200 RPM, 95.5%	ODP Motor, 75 HP, 1200 RPM, 94.5%	4000	44.40	177,619.0	43.94	175,759.2	0.465	1,859.9	0.206	15	EM&V-Commercial-HVAC_Fans_Pumps	\$867.08
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 75 HP, 1800 RPM, 96%	ODP Motor, 75 HP, 1800 RPM, 95%	4000	44.17	176,684.2	43.71	174,843.8	0.460	1,840.5	0.204	15	EM&V-Commercial-HVAC_Fans_Pumps	\$867.08
Electric Auxiliary	OPEN DRIP-PROOF (ODP) MOTORS	ODP Motor, 75 HP, 3600 RPM, 94.6%	ODP Motor, 75 HP, 3600 RPM, 93.6%	4000	44.83	179,326.9	44.36	177,431.3	0.474	1,895.6	0.210	15	EM&V-Commercial-HVAC_Fans_Pumps	\$867.08
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	0.68	3,351.6	0.67	3,311.4	0.008	40.1	0.004	15	EM&V-Commercial-HVAC_Fans_Pumps	\$66.79

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
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	0.65	3,234.0	0.65	3,196.6	0.008	37.4	0.004	15	EM&V-Commercial-HVAC_Fans_Pumps	\$66.79
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 1 HP, 3600 RPM, 78%	TEFC Motor, 1 HP, 3600 RPM, 77%	4942	0.73	3,591.0	0.72	3,544.9	0.009	46.0	0.005	15	EM&V-Commercial-HVAC_Fans_Pumps	\$66.79
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	0.97	4,794.9	0.96	4,740.1	0.011	54.8	0.006	15	EM&V-Commercial-HVAC_Fans_Pumps	\$97.73
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	0.97	4,794.9	0.96	4,740.1	0.011	54.8	0.006	15	EM&V-Commercial-HVAC_Fans_Pumps	\$97.73
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	1.00	4,937.6	0.99	4,879.5	0.012	58.1	0.006	15	EM&V-Commercial-HVAC_Fans_Pumps	\$97.73
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 10 HP, 1200 RPM, 92.0%	TEFC Motor, 10 HP, 1200 RPM, 91%	4942	6.10	30,153.2	6.04	29,827.9	0.066	325.3	0.036	15	EM&V-Commercial-HVAC_Fans_Pumps	\$269.08
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	6.10	30,153.2	6.04	29,827.9	0.066	325.3	0.036	15	EM&V-Commercial-HVAC_Fans_Pumps	\$269.08
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	6.25	30,894.4	6.18	30,553.0	0.069	341.4	0.038	15	EM&V-Commercial-HVAC_Fans_Pumps	\$269.08
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 100 HP, 1200 RPM, 96%	TEFC Motor, 100 HP, 1200 RPM, 95%	4942	58.89	291,057.8	58.28	288,025.9	0.613	3,031.9	0.337	15	EM&V-Commercial-HVAC_Fans_Pumps	\$1,132.70
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	58.65	289,837.4	58.04	286,830.8	0.608	3,006.6	0.334	15	EM&V-Commercial-HVAC_Fans_Pumps	\$1,132.70
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	59.78	295,411.2	59.14	292,288.5	0.632	3,122.7	0.347	15	EM&V-Commercial-HVAC_Fans_Pumps	\$1,132.70
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 125 HP, 1200 RPM, 96%	TEFC Motor, 125 HP, 1200 RPM, 95%	4942	73.62	363,822.2	72.85	360,032.4	0.767	3,789.8	0.421	15	EM&V-Commercial-HVAC_Fans_Pumps	\$4,360.91
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	73.31	362,296.8	72.55	358,538.5	0.760	3,758.3	0.417	15	EM&V-Commercial-HVAC_Fans_Pumps	\$4,360.91
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 125 HP, 3600 RPM, 96%	TEFC Motor, 125 HP, 3600 RPM, 95%	4942	74.32	367,301.9	73.54	363,439.7	0.782	3,862.3	0.429	15	EM&V-Commercial-HVAC_Fans_Pumps	\$4,360.91
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	9.15	45,229.8	9.05	44,741.9	0.099	487.9	0.054	15	EM&V-Commercial-HVAC_Fans_Pumps	\$234.99
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	9.02	44,597.6	8.93	44,123.1	0.096	474.4	0.053	15	EM&V-Commercial-HVAC_Fans_Pumps	\$234.99
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 15 HP, 3600 RPM, 92.0%	TEFC Motor, 15 HP, 3600 RPM, 91%	4942	9.30	45,982.0	9.20	45,477.8	0.102	504.2	0.056	15	EM&V-Commercial-HVAC_Fans_Pumps	\$234.99
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	87.97	434,756.1	87.06	430,246.2	0.913	4,509.9	0.501	15	EM&V-Commercial-HVAC_Fans_Pumps	\$5,318.51
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	87.60	432,940.9	86.70	428,468.3	0.905	4,472.5	0.497	15	EM&V-Commercial-HVAC_Fans_Pumps	\$5,318.51
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 150 HP, 3600 RPM, 96%	TEFC Motor, 150 HP, 3600 RPM, 95%	4942	89.19	440,762.3	88.25	436,127.6	0.938	4,634.7	0.515	15	EM&V-Commercial-HVAC_Fans_Pumps	\$5,318.51
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	1.28	6,320.1	1.26	6,248.7	0.014	71.4	0.008	15	EM&V-Commercial-HVAC_Fans_Pumps	\$105.01
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	1.29	6,393.2	1.28	6,320.1	0.015	73.1	0.008	15	EM&V-Commercial-HVAC_Fans_Pumps	\$105.01
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	1.31	6,468.0	1.29	6,393.2	0.015	74.8	0.008	15	EM&V-Commercial-HVAC_Fans_Pumps	\$105.01

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
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	12.11	59,849.5	11.98	59,208.8	0.130	640.8	0.071	15	EM&V-Commercial-HVAC_Fans_Pumps	\$263.31
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 20 HP, 1800 RPM, 94%	TEFC Motor, 20 HP, 1800 RPM, 93%	4942	12.03	59,463.4	11.90	58,830.8	0.128	632.6	0.070	15	EM&V-Commercial-HVAC_Fans_Pumps	\$263.31
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 20 HP, 3600 RPM, 92%	TEFC Motor, 20 HP, 3600 RPM, 91%	4942	12.30	60,770.3	12.16	60,109.8	0.134	660.5	0.073	15	EM&V-Commercial-HVAC_Fans_Pumps	\$263.31
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	117.30	579,674.8	116.08	573,661.6	1.217	6,013.2	0.668	15	EM&V-Commercial-HVAC_Fans_Pumps	\$6,123.77
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	116.81	577,254.5	115.60	571,291.1	1.207	5,963.4	0.662	15	EM&V-Commercial-HVAC_Fans_Pumps	\$6,123.77
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	117.79	582,115.6	116.56	576,051.9	1.227	6,063.7	0.673	15	EM&V-Commercial-HVAC_Fans_Pumps	\$6,123.77
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 25 HP, 1200 RPM, 94%	TEFC Motor, 25 HP, 1200 RPM, 93%	4942	15.04	74,329.3	14.88	73,538.5	0.160	790.7	0.088	15	EM&V-Commercial-HVAC_Fans_Pumps	\$322.80
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	14.94	73,852.8	14.79	73,072.1	0.158	780.7	0.087	15	EM&V-Commercial-HVAC_Fans_Pumps	\$322.80
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	15.25	75,383.0	15.09	74,569.8	0.165	813.2	0.090	15	EM&V-Commercial-HVAC_Fans_Pumps	\$322.80
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 250 HP, 1200 RPM, 96.8%	TEFC Motor, 250 HP, 1200 RPM, 95.8%	4942	146.43	585,702.5	147.95	591,816.3	1.529	6,114.0	0.679	15	EM&V-Commercial-HVAC_Fans_Pumps	\$7,258.34
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 250 HP, 1800 RPM, 97.2%	TEFC Motor, 250 HP, 1800 RPM, 96.2%	4942	145.82	583,292.2	147.34	589,355.5	1.516	6,063.0	0.673	15	EM&V-Commercial-HVAC_Fans_Pumps	\$7,258.34
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 250 HP, 3600 RPM, 96.8%	TEFC Motor, 250 HP, 3600 RPM, 95.8%	4942	146.43	585,702.5	147.95	591,816.3	1.529	6,114.0	0.679	15	EM&V-Commercial-HVAC_Fans_Pumps	\$7,258.34
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	1.90	9,373.0	1.88	9,268.3	0.021	104.7	0.012	15	EM&V-Commercial-HVAC_Fans_Pumps	\$120.89
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 3 HP, 1800 RPM, 90.5%	TEFC Motor, 3 HP, 1800 RPM, 89.5%	4942	1.88	9,268.3	1.85	9,165.9	0.021	102.4	0.011	15	EM&V-Commercial-HVAC_Fans_Pumps	\$120.89
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	1.96	9,701.9	1.94	9,589.8	0.023	112.2	0.012	15	EM&V-Commercial-HVAC_Fans_Pumps	\$120.89
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 30 HP, 1200 RPM, 94%	TEFC Motor, 30 HP, 1200 RPM, 93%	4942	17.93	88,623.4	17.74	87,686.5	0.190	936.8	0.104	15	EM&V-Commercial-HVAC_Fans_Pumps	\$385.46
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	17.84	88,152.5	17.65	87,225.5	0.188	926.9	0.103	15	EM&V-Commercial-HVAC_Fans_Pumps	\$385.46
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	18.30	90,459.6	18.11	89,483.8	0.197	975.8	0.108	15	EM&V-Commercial-HVAC_Fans_Pumps	\$385.46
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 300 HP, 1200 RPM, 96.8%	TEFC Motor, 300 HP, 1200 RPM, 95.8%	4942	175.71	702,843.0	177.54	710,179.5	1.834	7,337.0	0.815	15	EM&V-Commercial-HVAC_Fans_Pumps	\$8,739.56
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 300 HP, 1800 RPM, 97.2%	TEFC Motor, 300 HP, 1800 RPM, 96.2%	4942	174.99	699,950.6	176.81	707,226.6	1.819	7,276.0	0.808	15	EM&V-Commercial-HVAC_Fans_Pumps	\$8,739.56
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 300 HP, 3600 RPM, 96.8%	TEFC Motor, 300 HP, 3600 RPM, 95.8%	4942	175.71	702,843.0	177.54	710,179.5	1.834	7,337.0	0.815	15	EM&V-Commercial-HVAC_Fans_Pumps	\$8,739.56
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	23.78	117,536.6	23.53	116,300.7	0.250	1,235.9	0.137	15	EM&V-Commercial-HVAC_Fans_Pumps	\$459.00
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	23.78	117,536.6	23.53	116,300.7	0.250	1,235.9	0.137	15	EM&V-Commercial-HVAC_Fans_Pumps	\$459.00

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
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	24.22	119,699.1	23.96	118,417.5	0.259	1,281.6	0.142	15	EM&V-Commercial-HVAC_Fans_Pumps	\$459.00
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	3.13	15,447.2	3.09	15,276.5	0.035	170.7	0.019	15	EM&V-Commercial-HVAC_Fans_Pumps	\$166.98
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	3.13	15,447.2	3.09	15,276.5	0.035	170.7	0.019	15	EM&V-Commercial-HVAC_Fans_Pumps	\$166.98
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	3.23	15,982.9	3.20	15,800.3	0.037	182.7	0.020	15	EM&V-Commercial-HVAC_Fans_Pumps	\$166.98
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	29.73	146,920.8	29.42	145,375.9	0.313	1,544.9	0.172	15	EM&V-Commercial-HVAC_Fans_Pumps	\$553.23
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	29.60	146,298.9	29.29	144,767.0	0.310	1,531.9	0.170	15	EM&V-Commercial-HVAC_Fans_Pumps	\$553.23
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 50 HP, 3600 RPM, 94%	TEFC Motor, 50 HP, 3600 RPM, 93%	4942	30.08	148,658.5	29.76	147,077.1	0.320	1,581.5	0.176	15	EM&V-Commercial-HVAC_Fans_Pumps	\$553.23
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	35.52	175,558.7	35.15	173,720.4	0.372	1,838.3	0.204	15	EM&V-Commercial-HVAC_Fans_Pumps	\$690.70
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 60 HP, 1800 RPM, 96%	TEFC Motor, 60 HP, 1800 RPM, 95%	4942	35.34	174,634.7	34.97	172,815.6	0.368	1,819.1	0.202	15	EM&V-Commercial-HVAC_Fans_Pumps	\$690.70
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	35.87	177,246.7	35.49	175,373.1	0.379	1,873.6	0.208	15	EM&V-Commercial-HVAC_Fans_Pumps	\$690.70
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 7.5 HP, 1200 RPM, 92.0%	TEFC Motor, 7.5 HP, 1200 RPM, 91%	4942	4.65	22,991.0	4.60	22,738.9	0.051	252.1	0.028	15	EM&V-Commercial-HVAC_Fans_Pumps	\$210.95
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	4.61	22,788.9	4.56	22,541.2	0.050	247.7	0.028	15	EM&V-Commercial-HVAC_Fans_Pumps	\$210.95
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	4.74	23,432.6	4.69	23,170.8	0.053	261.8	0.029	15	EM&V-Commercial-HVAC_Fans_Pumps	\$210.95
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	44.40	219,448.3	43.94	217,150.4	0.465	2,297.9	0.255	15	EM&V-Commercial-HVAC_Fans_Pumps	\$867.08
Electric Auxiliary	TOTALLY ENCLOSED FAN-COOLED (TEFC) MOTORS	TEFC Motor, 75 HP, 1800 RPM, 96.4%	TEFC Motor, 75 HP, 1800 RPM, 95%	4942	44.17	218,293.3	43.71	216,019.5	0.460	2,273.9	0.252	15	EM&V-Commercial-HVAC_Fans_Pumps	\$867.08
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	44.83	221,558.4	44.36	219,216.4	0.474	2,342.1	0.260	15	EM&V-Commercial-HVAC_Fans_Pumps	\$867.08
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 1 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					0.250	1,007.0	0.112	15	EM&V-Commercial-HVAC_Fans_Pumps	\$1,818.17
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 1.5 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					0.370	1,493.0	0.166	15	EM&V-Commercial-HVAC_Fans_Pumps	\$1,870.71
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 10 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					2.350	9,391.0	1.043	15	EM&V-Commercial-HVAC_Fans_Pumps	\$3,673.04
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 100 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					22.570	90,271.0	10.022	15	EM&V-Commercial-HVAC_Fans_Pumps	\$23,935.39
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 125 HP, 66% Load Factor	No VFD Installed, Motor is at 75% Load Factor	4000					28.210	112,840.0	12.530	15	EM&V-Commercial-HVAC_Fans_Pumps	\$27,073.45
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 15 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					3.470	13,890.0	1.542	15	EM&V-Commercial-HVAC_Fans_Pumps	\$4,199.66
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 150 HP, 66% Load Factor	No VFD Installed, Motor is at 75% Load Factor	4000					33.710	134,840.0	14.970	15	EM&V-Commercial-HVAC_Fans_Pumps	\$30,024.42

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 2 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					0.500	1,991.0	0.221	15	EM&V-Commercial-HVAC_Fans_Pumps	\$2,650.17
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 20 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					4.630	18,520.0	2.056	15	EM&V-Commercial-HVAC_Fans_Pumps	\$4,527.30
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 200 HP, 66% Load Factor	No VFD Installed, Motor is at 75% Load Factor	4000					44.950	179,790.0	19.960	15	EM&V-Commercial-HVAC_Fans_Pumps	\$38,276.96
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 25 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					5.750	23,002.0	2.554	15	EM&V-Commercial-HVAC_Fans_Pumps	\$5,762.33
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 250 HP, 66% Load Factor	No VFD Installed, Motor is at 75% Load Factor	4000					56.200	225,250.0	24.970	15	EM&V-Commercial-HVAC_Fans_Pumps	\$39,124.45
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 3 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					0.720	2,887.0	0.321	15	EM&V-Commercial-HVAC_Fans_Pumps	\$2,779.80
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 30 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					6.860	27,455.0	3.048	15	EM&V-Commercial-HVAC_Fans_Pumps	\$7,612.12
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 300 HP, 66% Load Factor	No VFD Installed, Motor is at 75% Load Factor	4000					67.420	270,300.0	29.960	15	EM&V-Commercial-HVAC_Fans_Pumps	\$42,837.87
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 40 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					9.150	36,607.0	4.064	15	EM&V-Commercial-HVAC_Fans_Pumps	\$8,178.70
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 5 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					1.200	4,811.0	0.534	15	EM&V-Commercial-HVAC_Fans_Pumps	\$2,969.31
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 50 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					11.390	45,565.0	5.059	15	EM&V-Commercial-HVAC_Fans_Pumps	\$12,510.36
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 60 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					13.600	54,390.0	6.039	15	EM&V-Commercial-HVAC_Fans_Pumps	\$13,294.42
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 7.5 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					1.770	7,098.0	0.788	15	EM&V-Commercial-HVAC_Fans_Pumps	\$3,333.91
Electric Auxiliary	VARIABLE FREQUENCY DRIVE (VFD)	Motor Size: 75 HP, 66% Load Factor	No VFD installed, Motor is at 75% Load Factor	4000					17.000	67,988.0	7.548	15	EM&V-Commercial-HVAC_Fans_Pumps	\$21,024.32
Lighting - Food Retail	OCCUPANCY SENSORS	Ceiling/Wall Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	6074	0.30	1,822.2	0.30	1,112.5	0.000	709.7	0.101	5	PSP-Business-Food_Retail-Lighting_Interior_General	\$218.00
Lighting - Food Retail	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	6074	0.03	182.2	0.03	111.2	0.000	71.0	0.010	5	PSP-Business-Food_Retail-Lighting_Interior_General	\$356.95
Lighting - Food Retail	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	6074	0.12	728.9	0.12	445.0	0.000	283.9	0.040	5	PSP-Business-Food_Retail-Lighting_Interior_General	\$291.21
Lighting - Food Retail	OCCUPANCY SENSORS	Switch Plate Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	6074	0.15	911.1	0.15	651.4	0.000	259.7	0.037	5	PSP-Business-Food_Retail-Lighting_Interior_General	\$120.48
Lighting - Greenhouses	HORTICULTURAL INTER-LIGHTING LED GROW LIGHT FIXTURE	LED grow lights installed within the canopy illuminating a vertical growing surface.	Assumed 10 fluorescent T8 provides the equivalent brightness at the same distance away from the vertical growing surface as one LED fixture.	5327	0.59	3,122.9	0.10	510.6	0.490	2,612.3	0.009	9	CUSTOM-Business-Other_Commercial_Buildings-CUSTOM-Industrial-Agriculture-Medical-Lighting_Cannabis	-\$360.93
Lighting - Greenhouses	LED GROW LIGHTS - VEGETABLE GREENHOUSES	LED top lighting fixture installed in a vegetables/fruits/flowers greenhouse	1000W High Intensity Discharge (HID)	2400	1.08	2,592.0	0.54	1,296.0	0.540	1,296.0	0.005	21	CUSTOM-Business-Other_Commercial_Buildings-CUSTOM-Industrial-Agriculture-Medical-Lighting_Cannabis	\$580.00
Lighting - Greenhouses	LED GROW LIGHTS - CANNABIS GREENHOUSES	LED top lighting fixture installed in a cannabis greenhouse	Measure mix of HPS, MH and T5HO	2800	0.87	2,424.8	0.49	1,366.0	0.378	1,060.0	0.005	18	CUSTOM-Business-Other_Commercial_Buildings-CUSTOM-Industrial-Agriculture-Medical-Lighting_Cannabis	\$104.00
Lighting - Greenhouses	LED GROW LIGHTS - CANNABIS WAREHOUSES	LED top lighting fixture installed in a cannabis warehouse	Measure mix of HPS, MH and T5HO	5800	0.75	4,339.0	0.47	2,732.0	0.277	1,607.0	0.007	9	CUSTOM-Business-Other_Commercial_Buildings-CUSTOM-Industrial-Agriculture-Medical-Lighting_Cannabis	\$307.00
Lighting - Hospital	OCCUPANCY SENSORS	Ceiling/Wall Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	5182	0.30	1,554.6	0.30	949.1	0.000	605.5	0.081	6	PSP-Business-Hospital-Lighting_Interior_General	\$218.00

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Hospital	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	5182	0.03	155.5	0.03	94.9	0.000	60.6	0.008	6	PSP-Business-Hospital-Lighting_Interior_General	\$356.95
Lighting - Hospital	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	5182	0.12	621.8	0.12	379.6	0.000	242.2	0.032	6	PSP-Business-Hospital-Lighting_Interior_General	\$291.21
Lighting - Hospital	OCCUPANCY SENSORS	Switch Plate Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	5182	0.15	777.3	0.15	555.8	0.000	221.5	0.030	6	PSP-Business-Hospital-Lighting_Interior_General	\$120.48
Lighting - Large Hotel (Corridor/Lobby)	OCCUPANCY SENSORS	Ceiling/Wall Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	7884	0.30	2,365.2	0.30	1,444.0	0.000	921.2	0.111	4	PSP-Business-Large_Hotel-Lighting_Interior_General	\$218.00
Lighting - Large Hotel (Corridor/Lobby)	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	7884	0.03	236.5	0.03	144.4	0.000	92.1	0.011	4	PSP-Business-Large_Hotel-Lighting_Interior_General	\$356.95
Lighting - Large Hotel (Corridor/Lobby)	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	7884	0.12	946.1	0.12	577.6	0.000	368.5	0.045	4	PSP-Business-Large_Hotel-Lighting_Interior_General	\$291.21
Lighting - Large Hotel (Corridor/Lobby)	OCCUPANCY SENSORS	Switch Plate Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	7884	0.15	1,182.6	0.15	845.6	0.000	337.0	0.041	4	PSP-Business-Large_Hotel-Lighting_Interior_General	\$120.48
Lighting - Large Non-Food Retail	OCCUPANCY SENSORS	Ceiling/Wall Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	3121	0.30	936.3	0.30	571.6	0.000	364.7	0.054	8	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$218.00
Lighting - Large Non-Food Retail	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	3121	0.03	93.6	0.03	57.2	0.000	36.5	0.005	8	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$356.95
Lighting - Large Non-Food Retail	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	3121	0.12	374.5	0.12	228.6	0.000	145.9	0.022	8	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$291.21
Lighting - Large Non-Food Retail	OCCUPANCY SENSORS	Switch Plate Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	3121	0.15	468.2	0.15	334.7	0.000	133.4	0.020	8	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$120.48
Lighting - Large Office	OCCUPANCY SENSORS	Ceiling/Wall Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	3610	0.30	1,083.0	0.30	661.2	0.000	421.8	0.075	9	PSP-Business-Large_Office-Lighting_Interior_General	\$218.00
Lighting - Large Office	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	3610	0.03	108.3	0.03	66.1	0.000	42.2	0.008	9	PSP-Business-Large_Office-Lighting_Interior_General	\$356.95
Lighting - Large Office	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	3610	0.12	433.2	0.12	264.5	0.000	168.7	0.030	9	PSP-Business-Large_Office-Lighting_Interior_General	\$291.21
Lighting - Large Office	OCCUPANCY SENSORS	Switch Plate Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	3610	0.15	541.5	0.15	387.2	0.000	154.3	0.028	9	PSP-Business-Large_Office-Lighting_Interior_General	\$120.48
Lighting - Nursing Home	OCCUPANCY SENSORS	Ceiling/Wall Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4308	0.30	1,292.4	0.30	789.0	0.000	503.4	0.076	7	PSP-Business-Nursing_Home-Lighting_Interior_General	\$218.00
Lighting - Nursing Home	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4308	0.03	129.2	0.03	78.9	0.000	50.3	0.008	7	PSP-Business-Nursing_Home-Lighting_Interior_General	\$356.95
Lighting - Nursing Home	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4308	0.12	517.0	0.12	315.6	0.000	201.4	0.030	7	PSP-Business-Nursing_Home-Lighting_Interior_General	\$291.21
Lighting - Nursing Home	OCCUPANCY SENSORS	Switch Plate Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4308	0.15	646.2	0.15	462.0	0.000	184.2	0.028	7	PSP-Business-Nursing_Home-Lighting_Interior_General	\$120.48
Lighting - Other Commercial Buildings	OCCUPANCY SENSORS	Ceiling/Wall Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4000	0.30	1,200.0	0.30	732.6	0.000	467.4	0.074	11	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$218.00
Lighting - Other Commercial Buildings	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4000	0.03	120.0	0.03	73.3	0.000	46.7	0.007	11	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$356.95
Lighting - Other Commercial Buildings	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4000	0.12	480.0	0.12	293.0	0.000	187.0	0.030	11	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$291.21
Lighting - Other Commercial Buildings	OCCUPANCY SENSORS	Switch Plate Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4000	0.15	600.0	0.15	429.0	0.000	171.0	0.027	11	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$120.48

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Other Non-Food Retail	OCCUPANCY SENSORS	Ceiling/Wall Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4089	0.30	1,226.7	0.30	748.9	0.000	477.8	0.088	8	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$218.00
Lighting - Other Non-Food Retail	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4089	0.03	122.7	0.03	74.9	0.000	47.8	0.009	8	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$356.95
Lighting - Other Non-Food Retail	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4089	0.12	490.7	0.12	299.6	0.000	191.1	0.035	8	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$291.21
Lighting - Other Non-Food Retail	OCCUPANCY SENSORS	Switch Plate Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4089	0.15	613.4	0.15	438.5	0.000	174.8	0.032	8	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$120.48
Lighting - Restaurant	OCCUPANCY SENSORS	Ceiling/Wall Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	5110	0.30	1,533.0	0.30	935.9	0.000	597.1	0.098	6	PSP-Business-Restaurant-Lighting_Interior_General	\$218.00
Lighting - Restaurant	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	5110	0.03	153.3	0.03	93.6	0.000	59.7	0.010	6	PSP-Business-Restaurant-Lighting_Interior_General	\$356.95
Lighting - Restaurant	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	5110	0.12	613.2	0.12	374.4	0.000	238.8	0.039	6	PSP-Business-Restaurant-Lighting_Interior_General	\$291.21
Lighting - Restaurant	OCCUPANCY SENSORS	Switch Plate Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	5110	0.15	766.5	0.15	548.0	0.000	218.5	0.036	6	PSP-Business-Restaurant-Lighting_Interior_General	\$120.48
Lighting - Schools	OCCUPANCY SENSORS	Ceiling/Wall Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	2596	0.30	778.8	0.30	475.5	0.000	303.3	0.015	12	PSP-Business-Schools-Lighting_Interior_General	\$218.00
Lighting - Schools	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	2596	0.03	77.9	0.03	47.5	0.000	30.3	0.002	12	PSP-Business-Schools-Lighting_Interior_General	\$356.95
Lighting - Schools	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	2596	0.12	311.5	0.12	190.2	0.000	121.3	0.006	12	PSP-Business-Schools-Lighting_Interior_General	\$291.21
Lighting - Schools	OCCUPANCY SENSORS	Switch Plate Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	2596	0.15	389.4	0.15	278.4	0.000	111.0	0.006	12	PSP-Business-Schools-Lighting_Interior_General	\$120.48
Lighting - University Colleges	OCCUPANCY SENSORS	Ceiling/Wall Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	3255	0.30	976.5	0.30	596.2	0.000	380.3	0.050	10	PSP-Business-University_Colleges-Lighting_Interior_General	\$218.00
Lighting - University Colleges	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	3255	0.03	97.7	0.03	67.3	0.000	30.3	0.004	10	PSP-Business-University_Colleges-Lighting_Interior_General	\$356.95
Lighting - University Colleges	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	3255	0.12	390.6	0.12	238.5	0.000	152.1	0.020	10	PSP-Business-University_Colleges-Lighting_Interior_General	\$291.21
Lighting - University Colleges	OCCUPANCY SENSORS	Switch Plate Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	3255	0.15	488.3	0.15	349.1	0.000	139.2	0.018	10	PSP-Business-University_Colleges-Lighting_Interior_General	\$120.48
Lighting - Warehouse Wholesale	OCCUPANCY SENSORS	Ceiling/Wall Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4408	0.30	1,322.4	0.30	807.3	0.000	515.1	0.101	9	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$218.00
Lighting - Warehouse Wholesale	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (all other) for fixtures < 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4408	0.03	132.2	0.03	96.7	0.000	35.6	0.007	9	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$356.95
Lighting - Warehouse Wholesale	OCCUPANCY SENSORS	Fixture Mounted Occupancy Sensor (High Bay) for fixtures >= 100W	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4408	0.12	529.0	0.12	322.9	0.000	206.0	0.040	9	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$291.21
Lighting - Warehouse Wholesale	OCCUPANCY SENSORS	Switch Plate Mounted	Measure Mix of 95% No Occupancy Sensor and 5% Replacing Existing Occupancy Sensor or Other Type of Control	4408	0.15	661.2	0.15	472.8	0.000	188.4	0.032	9	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$120.48
Multi-Residential In Suite Appliance	ENERGY STAR® REFRIGERATOR	Energy Star® Refrigerator	Standard Refrigerator	3000					0.210	350.0	0.044	17	PSP-Business-Restaurant-Refrigeration	\$35.00
Multi-Residential In Suite Appliance	IN-SUITE TEMPERATURE CONTROLS FOR ELECTRIC SPACE HEATING & COOLING	In-suite temperature controls for electric space heating & cooling	No in-suite temperature controls for electric space heating & cooling						0.000	1,155.0	0.323	11	EM&V-Commercial-Space_Cooling_&_Heating	\$370.00
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (FREEZER WALK-IN)	Motor Size >= 1/20 hp to < 1/10 hp	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8273					0.079	652.9	0.078	15	PSP-Business-Commercial-Refrigeration	\$300.00

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (REFRIGERATOR WALK-IN)	Motor Size >= 1/20 hp to < 1/10 hp	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8273					0.062	542.2	0.064	15	PSP-Business-Commercial-Refrigeration	\$300.00
Residential Domestic Hot Water	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	<100 W (<0.134HP)	Circulator pump with PSC motor	2190	0.28	613.2	0.05	109.5	0.230	503.7	0.046	15	PSP-Consumer-Residential-Domestic_Hot_Water	\$1,225.00
Residential Domestic Hot Water	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=100<500 W (>=0.134<0.67HP)	Circulator pump with PSC motor	2190	1.39	3,044.1	0.25	547.5	1.140	2,496.6	0.226	15	PSP-Consumer-Residential-Domestic_Hot_Water	\$1,536.00
Residential Domestic Hot Water	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=1490<2237 W (>=2<3HP)	Circulator pump with PSC motor	2190	9.75	21,352.5	1.76	3,854.4	7.990	17,498.1	1.584	15	PSP-Consumer-Residential-Domestic_Hot_Water	\$1,896.00
Residential Domestic Hot Water	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=500<750 W (>=0.67<1HP)	Circulator pump with PSC motor	2190	3.89	8,519.1	0.70	1,533.0	3.190	6,986.1	0.632	15	PSP-Consumer-Residential-Domestic_Hot_Water	\$1,599.00
Residential Domestic Hot Water	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=750<1490 W (>=1<2HP)	Circulator pump with PSC motor	2190	4.88	10,687.2	0.88	1,927.2	4.000	8,760.0	0.793	15	PSP-Consumer-Residential-Domestic_Hot_Water	\$1,800.00
Residential Domestic Hot Water	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	2237 W (3HP)	Circulator pump with PSC motor	2190	14.63	32,039.7	2.63	5,759.7	12.000	26,280.0	2.378	15	PSP-Consumer-Residential-Domestic_Hot_Water	\$2,592.00
Space Cooling	ADVANCED ROOFTOP UNIT CONTROLS	Single-zone packaged RTU with single-speed supply fan retrofitted with advanced controls (>=11.4 ton to <19.9 tons)	Single-zone packaged rooftop unit with single-speed supply fan						0.000	9,691.0	7.106	12	EM&V-Commercial-Cooling	\$9,390.00
Space Cooling	ADVANCED ROOFTOP UNIT CONTROLS	Single-zone packaged RTU with single-speed supply fan retrofitted with advanced controls (>=19.9 ton to <63.4 tons)	Single-zone packaged rooftop unit with single-speed supply fan						0.000	25,759.0	18.887	12	EM&V-Commercial-Cooling	\$24,990.00
Space Cooling	ADVANCED ROOFTOP UNIT CONTROLS	Single-zone packaged RTU with single-speed supply fan retrofitted with advanced controls (>=3.0 ton to <5.4 tons)	Single-zone packaged rooftop unit with single-speed supply fan						0.000	1,672.0	1.226	12	EM&V-Commercial-Cooling	\$2,520.00
Space Cooling	ADVANCED ROOFTOP UNIT CONTROLS	Single-zone packaged RTU with single-speed supply fan retrofitted with advanced controls (>=5.4 ton to <11.4 tons)	Single-zone packaged rooftop unit with single-speed supply fan						0.000	5,201.0	3.814	12	EM&V-Commercial-Cooling	\$5,040.00
Space Cooling	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	<100 W (<0.134HP)	Circulator pump with PSC motor	1191	0.28	333.5	0.05	59.6	0.230	273.9	0.207	15	PSP-Business-Commercial-Cooling_Chillers	\$1,225.00
Space Cooling	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=100<500 W (>=0.134<0.67HP)	Circulator pump with PSC motor	1191	1.39	1,655.5	0.25	297.8	1.140	1,357.7	1.025	15	PSP-Business-Commercial-Cooling_Chillers	\$1,536.00
Space Cooling	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=1490<2237 W (>=2<3HP)	Circulator pump with PSC motor	1191	9.75	11,612.3	1.76	2,096.2	7.990	9,516.1	7.182	15	PSP-Business-Commercial-Cooling_Chillers	\$1,896.00
Space Cooling	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=500<750 W (>=0.67<1HP)	Circulator pump with PSC motor	1191	3.89	4,633.0	0.70	833.7	3.190	3,799.3	2.867	15	PSP-Business-Commercial-Cooling_Chillers	\$1,599.00
Space Cooling	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=750<1490 W (>=1<2HP)	Circulator pump with PSC motor	1191	4.88	5,812.1	0.88	1,048.1	4.000	4,764.0	3.595	15	PSP-Business-Commercial-Cooling_Chillers	\$1,800.00
Space Cooling	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	2237 W (3HP)	Circulator pump with PSC motor	1191	14.63	17,424.3	2.63	3,132.3	12.000	14,292.0	10.786	15	PSP-Business-Commercial-Cooling_Chillers	\$2,592.00
Space Cooling	ECM MOTORS FOR HVAC APPLICATION (FAN MOTOR REPLACEMENT)	Motor < 1 hp	VAV Box with PSC motors	3000					0.384	1,205.0	0.851	15	PSP-Business-Other_Commercial_Buildings-Cooling_DX	\$524.00
Space Cooling	ECM MOTORS FOR HVAC APPLICATION (FAN-POWERED VAV BOX)	VAV Units < 1000 CFM	VAV Box with PSC motors	3000					0.180	500.0	0.353	15	PSP-Business-Other_Commercial_Buildings-Cooling_DX	\$380.00
Space Cooling	ECM MOTORS FOR HVAC APPLICATION (FAN-POWERED VAV BOX)	VAV Units > 1000 CFM	VAV Box with PSC motors	3000					0.320	350.0	0.247	15	PSP-Business-Other_Commercial_Buildings-Cooling_DX	\$640.00
Space Cooling	HOTEL OCCUPANCY CONTROLS (HVAC + LIGHTING)	Electrically heated facility	No controls installed							310.0	0.219	10	PSP-Business-Other_Commercial_Buildings-Cooling_DX	\$670.00
Space Cooling	HOTEL OCCUPANCY CONTROLS (HVAC + LIGHTING)	Gas heated facility	No controls installed							122.0	0.086	10	PSP-Business-Other_Commercial_Buildings-Cooling_DX	\$670.00
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Single Package With Economizer >= 3.0 to < 5.4 tons, All Heating Type, 12.5 EER	Single Package With Economizer >= 3.0 to < 5.4 tons, All Heating Type, 13.0 SEER (Approximately 11.14 EER)	600					0.493	295.9	0.217	15	EM&V-Commercial-Cooling	\$1,428.00

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Single Package With Economizer >= 5.4 to <= 7.5 tons, All Other Heating, 12.0 EER	Single Package With Economizer >= 5.4 to <= 7.5 tons, All Other Heating, 11 EER	600					0.587	352.3	0.258	15	EM&V-Commercial-Cooling	\$2,193.00
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Single Package With Economizer >= 5.4 to <= 7.5 tons, Electric Resistance, 12.2 EER	Single Package With Economizer >= 5.4 to <= 7.5 tons, Electric Resistance, 11.2 EER	600					0.567	340.3	0.250	15	EM&V-Commercial-Cooling	\$2,193.00
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Split System >= 3.0 to < 5.4 tons, All Heating Type, 12.5 EER	Split System >= 3.0 to < 5.4 tons, All Heating Type, 13.0 SEER (Approximately 11.14 EER)	600					0.493	295.9	0.217	15	EM&V-Commercial-Cooling	\$1,428.00
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Split System >= 5.4 to <= 7.5 tons, All Other Heating, 12.0 EER	Split System >= 5.4 to <= 7.5 tons, All Other Heating, 11 EER	600					0.587	352.3	0.258	15	EM&V-Commercial-Cooling	\$2,193.00
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Split System >= 5.4 to <= 7.5 tons, Electric Resistance, 12.2 EER	Split System >= 5.4 to <= 7.5 tons, Electric Resistance, 11.2 EER	600					0.567	340.3	0.250	15	EM&V-Commercial-Cooling	\$2,193.00
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Split System/Single Package >= 11.25 to < 20 tons, All Other, 12.0 EER	Split System/Single Package >= 11.25 to < 20 tons, All Other, 10.8 EER	600					1.736	1,041.7	0.764	15	EM&V-Commercial-Cooling	\$3,906.25
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Split System/Single Package >= 11.25 to < 20 tons, Electric Resistance, 12.2 EER	Split System/Single Package >= 11.25 to < 20 tons, Electric Resistance, 11 EER	600					1.677	1,006.0	0.738	15	EM&V-Commercial-Cooling	\$3,906.25
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Split System/Single Package >= 20 to < 63 tons, All Other, 10.6 EER	Split System/Single Package >= 20 to < 63 tons, All Other, 9.8 EER	600					3.851	2,310.4	1.694	15	EM&V-Commercial-Cooling	\$7,470.00
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Split System/Single Package >= 20 to < 63 tons, Electric Resistance, 10.8 EER	Split System/Single Package >= 20 to < 63 tons, Electric Resistance, 10 EER	600					3.704	2,222.2	1.629	15	EM&V-Commercial-Cooling	\$7,470.00
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Split System/Single Package >= 63 tons, All Other, 10.2 EER	Split System/Single Package >= 63 tons, All Other, 9.5 EER	600					5.490	3,294.1	2.415	15	EM&V-Commercial-Cooling	\$11,340.00
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Split System/Single Package >= 63 tons, Electric Resistance, 10.4 EER	Split System/Single Package >= 63 tons, Electric Resistance, 9.7 EER	600					5.274	3,164.2	2.320	15	EM&V-Commercial-Cooling	\$11,340.00
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Split System/Single Package >= 7.5 to < 11.25 tons, All Other, 12.0 EER	Split System/Single Package >= 7.5 to < 11.25 tons, All Other, 11 EER	600					0.852	511.4	0.375	15	EM&V-Commercial-Cooling	\$2,343.75
Space Cooling	UNITARY AIR-CONDITIONING UNIT	Split System/Single Package >= 7.5 to < 11.25 tons, Electric Resistance, 12.2 EER	Split System/Single Package >= 7.5 to < 11.25 tons, Electric Resistance, 11.2 EER	600					0.823	494.0	0.362	15	EM&V-Commercial-Cooling	\$2,343.75
Space Cooling and Heating	PACKAGED TERMINAL AIR CONDITIONERS (PTAC)	Cooling Capacity <7000 Btu/h and EER >= 13.1	Cooling Capacity <7000 Btu/h and EER = 11.9	650					0.053	34.8	0.011	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$135.30
Space Cooling and Heating	PACKAGED TERMINAL AIR CONDITIONERS (PTAC)	Cooling Capacity >=7000 Btu/h & <=15000 Btu/h and EER >= [14.0-(0.3 x Cap)] x 1.1	Cooling Capacity >=7000 Btu/h & <=15000 Btu/h and EER = 14.0-(0.3 x Cap)	650					0.093	60.7	0.018	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$216.30
Space Cooling and Heating	PACKAGED TERMINAL AIR CONDITIONERS (PTAC)	Cooling Capacity >15000 Btu/h and EER >= 10.5	Cooling Capacity >15000 Btu/h and EER = 9.5	650					0.144	93.3	0.028	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$307.50
Space Cooling and Heating	PACKAGED TERMINAL HEAT PUMPS (PTHP)	Cooling Capacity <7000 Btu/h and EER >= 13.1 and COP >= 3.6	Cooling Capacity <7000 Btu/h and EER = 11.9 and COP = 3.3	2650					0.053	147.8	0.045	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$68.80
Space Cooling and Heating	PACKAGED TERMINAL HEAT PUMPS (PTHP)	Cooling Capacity >=7000 Btu/h & <15000 Btu/h and EER >= [14.0 - (0.3 x Cap)] x 1.1 and COP >= [3.7 - (0.052 x Cap)] x 1.1	Cooling Capacity >=7000 Btu/h & <15000 Btu/h and EER = 14.0 - (0.3 x Cap) and COP = 3.7 - (0.052 x Cap)	2650					0.093	248.1	0.075	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$108.20
Space Cooling and Heating	PACKAGED TERMINAL HEAT PUMPS (PTHP)	Cooling Capacity >15000 Btu/h and EER >= 10.5 and COP >= 3.2	Cooling Capacity >15000 Btu/h and EER = 9.5 and COP = 2.9	2650					0.144	368.9	0.112	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$147.50
Space Cooling and Heating	ROOM AIR CONDITIONERS	<8,000 Btu/h and CEER >= 12.1	<8,000 Btu/h and CEER >= 11.0	200					0.080	15.9	0.011	10	EM&V-Commercial-Cooling	\$76.00
Space Cooling and Heating	ROOM AIR CONDITIONERS	>=28000 Btu/h and CEER >= 9.9	>=28000 Btu/h and CEER >= 9.0	200					0.299	59.7	0.042	10	EM&V-Commercial-Cooling	\$76.00
Space Cooling and Heating	ROOM AIR CONDITIONERS	14000 to 19999 Btu/h and CEER >= 11.8	14000 to 19999 Btu/h and CEER >= 10.7	200					0.212	42.4	0.030	10	EM&V-Commercial-Cooling	\$76.00
Space Cooling and Heating	ROOM AIR CONDITIONERS	20000 to 27999 Btu/h and CEER >= 10.3	20000 to 27999 Btu/h and CEER >= 9.4	200					0.259	51.4	0.036	10	EM&V-Commercial-Cooling	\$76.00

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Space Cooling and Heating	ROOM AIR CONDITIONERS	8000 to 13999 Btu/h and CEER >= 12.0	8000 to 13999 Btu/h and CEER >= 10.9	200					0.137	27.5	0.019	10	EM&V-Commercial-Cooling	\$76.00
Space Cooling and Heating	UNITARY AIR SOURCE HEAT PUMP (ASHP) - SINGLE PACKAGE AND SPLIT SYSTEM	Single Package >=3.0 to <5.4 Tons, All Heating Type, 12 EER	Single Package With Economizer >=3.0 to <5.4 tons, All Heating Type, 14 SEER	2650					0.330	2,114.7	0.643	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$3,024.00
Space Cooling and Heating	UNITARY AIR SOURCE HEAT PUMP (ASHP) - SINGLE PACKAGE AND SPLIT SYSTEM	Split System >=3.0 to <5.4 Tons, All Heating Type, 12.5 EER	Split System >=3.0 to <5.4 tons, All Heating Type, 14 SEER	2650					0.330	2,114.7	0.643	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$3,024.00
Space Cooling and Heating	UNITARY AIR SOURCE HEAT PUMP (ASHP) - SINGLE PACKAGE AND SPLIT SYSTEM	Split System/Single Package >=11.25 to <20.0 Tons, All Other, 10.7 EER	Split System/Single Package >=11.25 to <20.0 Tons, All Other, 10.4 EER	2650					1.482	4,811.7	1.463	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$9,844.00
Space Cooling and Heating	UNITARY AIR SOURCE HEAT PUMP (ASHP) - SINGLE PACKAGE AND SPLIT SYSTEM	Split System/Single Package >=11.25 to <20.0 Tons, Electric Resistance, 10.9 EER	Split System/Single Package >=11.25 to <20.0 Tons, Electric Resistance, 10.6 EER	2650					1.482	4,811.7	1.463	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$9,844.00
Space Cooling and Heating	UNITARY AIR SOURCE HEAT PUMP (ASHP) - SINGLE PACKAGE AND SPLIT SYSTEM	Split System/Single Package >=20.0 to <63.3 Tons, All Other, 10.1 EER	Split System/Single Package >=20.0 to <=63.3 Tons, All Other, 9.3 EER	2650					4.328	13,330.8	4.052	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$13,280.00
Space Cooling and Heating	UNITARY AIR SOURCE HEAT PUMP (ASHP) - SINGLE PACKAGE AND SPLIT SYSTEM	Split System/Single Package >=20.0 to <63.3 Tons, Electric Resistance, 10.3 EER	Split System/Single Package >=20.0 to <=63.3 Tons, Electric Resistance, 9.5 EER	2650					4.328	13,330.8	4.052	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$13,280.00
Space Cooling and Heating	UNITARY AIR SOURCE HEAT PUMP (ASHP) - SINGLE PACKAGE AND SPLIT SYSTEM	Split System/Single Package >=5.4 to <11.25 Tons, All Other, 11.6 EER	Split System/Single Package >=5.4 to <11.25 tons, All Other, 10.8 EER	2650					0.751	2,476.9	0.753	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$5,744.00
Space Cooling and Heating	UNITARY AIR SOURCE HEAT PUMP (ASHP) - SINGLE PACKAGE AND SPLIT SYSTEM	Split System/Single Package >=5.4 to <11.25 Tons, Electric Resistance (or None), 11.8 EER	Split System/Single Package >=5.4 to <11.25 Tons, Electric Resistance, 11.0 EER	2650					0.751	2,476.9	0.753	15	PSP-Business-Commercial-Space_Cooling_&_Heating	\$5,744.00
Space Heating	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	<100 W (<0.134HP)	Circulator pump with PSC motor	2582	0.28	723.0	0.05	129.1	0.230	593.9	0.041	15	PSP-Business-Commercial-Forced_Air_Central_Heating	\$1,225.00
Space Heating	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=100<500 W (>=0.134<0.67HP)	Circulator pump with PSC motor	2582	1.39	3,589.0	0.25	645.5	1.140	2,943.5	0.201	15	PSP-Business-Commercial-Forced_Air_Central_Heating	\$1,536.00
Space Heating	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=1490<2237 W (>=2<3HP)	Circulator pump with PSC motor	2582	9.75	25,174.5	1.76	4,544.3	7.990	20,630.2	1.410	15	PSP-Business-Commercial-Forced_Air_Central_Heating	\$1,896.00
Space Heating	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=500<750 W (>=0.67<1HP)	Circulator pump with PSC motor	2582	3.89	10,044.0	0.70	1,807.4	3.190	8,236.6	0.563	15	PSP-Business-Commercial-Forced_Air_Central_Heating	\$1,599.00
Space Heating	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	>=750<1490 W (>=1<2HP)	Circulator pump with PSC motor	2582	4.88	12,600.2	0.88	2,272.2	4.000	10,328.0	0.706	15	PSP-Business-Commercial-Forced_Air_Central_Heating	\$1,800.00
Space Heating	CIRCULATOR PUMPS WITH ELECTRONICALLY COMMUTATED MOTORS (ECMs)	2237 W (3HP)	Circulator pump with PSC motor	2582	14.63	37,774.7	2.63	6,790.7	12.000	30,984.0	2.117	15	PSP-Business-Commercial-Forced_Air_Central_Heating	\$2,592.00

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Chillers	HVAC CHILLER-AIR-COOLED CHILLERS	<150 Tons, <=0.876 kW/Ton IPLV.IP	<150 Tons, <=0.876 kW/Ton IPLV.IP	1000	$\Delta kW = \text{TONS} * \Delta IPLV$	$\Delta kWh = \text{TONS} * \Delta IPLV * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$268/Ton
Chillers	HVAC CHILLER-AIR-COOLED CHILLERS	>=150 Tons, <=0.857 kW/Ton IPLV.IP	>=150 Tons, <=0.857 kW/Ton IPLV.IP	1000	$\Delta kW = \text{TONS} * \Delta IPLV$	$\Delta kWh = \text{TONS} * \Delta IPLV * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$268/Ton
Chillers	HVAC CHILLER-WATER COOLED CENTRIFUGAL	<75 Tons, <=0.550 kW/Ton IPLV.IP	<75 Tons, <=0.550 kW/Ton IPLV.IP	1000	$\Delta kW = \text{TONS} * \Delta IPLV$	$\Delta kWh = \text{TONS} * \Delta IPLV * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$210/Ton
Chillers	HVAC CHILLER-WATER COOLED CENTRIFUGAL	>=150 Tons and <300 Tons, <=0.520 kW/Ton IPLV.IP	>=150 Tons and <300 Tons, <=0.520 kW/Ton IPLV.IP	1000	$\Delta kW = \text{TONS} * \Delta IPLV$	$\Delta kWh = \text{TONS} * \Delta IPLV * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$210/Ton
Chillers	HVAC CHILLER-WATER COOLED CENTRIFUGAL	>=300 Tons and <600 Tons, <=0.500 kW/Ton IPLV.IP	>=300 Tons and <600 Tons, <=0.500 kW/Ton IPLV.IP	1000	$\Delta kW = \text{TONS} * \Delta IPLV$	$\Delta kWh = \text{TONS} * \Delta IPLV * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$210/Ton
Chillers	HVAC CHILLER-WATER COOLED CENTRIFUGAL	>=600 Tons, <=0.500 kW/Ton IPLV.IP	>=600 Tons, <=0.500 kW/Ton IPLV.IP	1000	$\Delta kW = \text{TONS} * \Delta IPLV$	$\Delta kWh = \text{TONS} * \Delta IPLV * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$210/Ton
Chillers	HVAC CHILLER-WATER COOLED CENTRIFUGAL	>=75 Tons and <150 Tons, <=0.550 kW/Ton IPLV.IP	>=75 Tons and <150 Tons, <=0.550 kW/Ton IPLV.IP	1000	$\Delta kW = \text{TONS} * \Delta IPLV$	$\Delta kWh = \text{TONS} * \Delta IPLV * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$210/Ton
Chillers	HVAC CHILLER-WATER COOLED POSITIVE DISPLACEMENT	<75 Tons, <=0.600 kW/Ton IPLV.IP	<75 Tons, <=0.600 kW/Ton IPLV.IP	1000	$\Delta kW = \text{TONS} * \Delta IPLV$	$\Delta kWh = \text{TONS} * \Delta IPLV * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$270/Ton
Chillers	HVAC CHILLER-WATER COOLED POSITIVE DISPLACEMENT	>=150 Tons and <300 Tons, <=0.540 kW/Ton IPLV.IP	>=150 Tons and <300 Tons, <=0.540 kW/Ton IPLV.IP	1000	$\Delta kW = \text{TONS} * \Delta IPLV$	$\Delta kWh = \text{TONS} * \Delta IPLV * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$270/Ton
Chillers	HVAC CHILLER-WATER COOLED POSITIVE DISPLACEMENT	>=300 Tons and <600 Tons, <=0.520 kW/Ton IPLV.IP	>=300 Tons and <600 Tons, <=0.520 kW/Ton IPLV.IP	1000	$\Delta kW = \text{TONS} * \Delta IPLV$	$\Delta kWh = \text{TONS} * \Delta IPLV * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$270/Ton
Chillers	HVAC CHILLER-WATER COOLED POSITIVE DISPLACEMENT	>=600 Tons, <=0.500 kW/Ton IPLV.IP	>=600 Tons, <=0.500 kW/Ton IPLV.IP	1000	$\Delta kW = \text{TONS} * \Delta IPLV$	$\Delta kWh = \text{TONS} * \Delta IPLV * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$270/Ton
Chillers	HVAC CHILLER-WATER COOLED POSITIVE DISPLACEMENT	>=75 Tons and <150 Tons, <=0.560 kW/Ton IPLV.IP	>=75 Tons and <150 Tons, <=0.560 kW/Ton IPLV.IP	1000	$\Delta kW = \text{TONS} * \Delta IPLV$	$\Delta kWh = \text{TONS} * \Delta IPLV * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$270/Ton
Chillers	PROCESS CHILLER-WATER COOLED CENTRIFUGAL	<75 Tons, <=0.610 kW/Ton FL	<75 Tons, <=0.610 kW/Ton FL	5700	$\Delta kW = \text{TONS} * \Delta FL$	$\Delta kWh = \text{TONS} * \Delta FL * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$210/Ton
Chillers	PROCESS CHILLER-WATER COOLED CENTRIFUGAL	>=150 Tons and <300 Tons, <=0.560 kW/Ton FL	>=150 Tons and <300 Tons, <=0.560 kW/Ton FL	5700	$\Delta kW = \text{TONS} * \Delta FL$	$\Delta kWh = \text{TONS} * \Delta FL * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$210/Ton
Chillers	PROCESS CHILLER-WATER COOLED CENTRIFUGAL	>=300 Tons and <600 Tons, <=0.560 kW/Ton FL	>=300 Tons and <600 Tons, <=0.560 kW/Ton FL	5700	$\Delta kW = \text{TONS} * \Delta FL$	$\Delta kWh = \text{TONS} * \Delta FL * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$210/Ton
Chillers	PROCESS CHILLER-WATER COOLED CENTRIFUGAL	>=600 Tons, <=0.560 kW/Ton FL	>=600 Tons, <=0.560 kW/Ton FL	5700	$\Delta kW = \text{TONS} * \Delta FL$	$\Delta kWh = \text{TONS} * \Delta FL * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$210/Ton
Chillers	PROCESS CHILLER-WATER COOLED CENTRIFUGAL	>=75 Tons and <150 Tons, <=0.610 kW/Ton FL	>=75 Tons and <150 Tons, <=0.610 kW/Ton FL	5700	$\Delta kW = \text{TONS} * \Delta FL$	$\Delta kWh = \text{TONS} * \Delta FL * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$210/Ton
Chillers	PROCESS CHILLER-WATER COOLED POSITIVE DISPLACEMENT	<75 Tons, <=0.750 kW/Ton FL	<75 Tons, <=0.750 kW/Ton FL	5700	$\Delta kW = \text{TONS} * \Delta FL$	$\Delta kWh = \text{TONS} * \Delta FL * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$270/Ton
Chillers	PROCESS CHILLER-WATER COOLED POSITIVE DISPLACEMENT	>=150 Tons and <300 Tons, <=0.660 kW/Ton FL	>=150 Tons and <300 Tons, <=0.660 kW/Ton FL	5700	$\Delta kW = \text{TONS} * \Delta FL$	$\Delta kWh = \text{TONS} * \Delta FL * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$270/Ton
Chillers	PROCESS CHILLER-WATER COOLED POSITIVE DISPLACEMENT	>=300 Tons and <600 Tons, <=0.610 kW/Ton FL	>=300 Tons and <600 Tons, <=0.610 kW/Ton FL	5700	$\Delta kW = \text{TONS} * \Delta FL$	$\Delta kWh = \text{TONS} * \Delta FL * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$270/Ton
Chillers	PROCESS CHILLER-WATER COOLED POSITIVE DISPLACEMENT	>=600 Tons, <=0.560 kW/Ton FL	>=600 Tons, <=0.560 kW/Ton FL	5700	$\Delta kW = \text{TONS} * \Delta FL$	$\Delta kWh = \text{TONS} * \Delta FL * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$270/Ton
Chillers	PROCESS CHILLER-WATER COOLED POSITIVE DISPLACEMENT	>=75 Tons and <150 Tons, <=0.720 kW/Ton FL	>=75 Tons and <150 Tons, <=0.720 kW/Ton FL	5700	$\Delta kW = \text{TONS} * \Delta FL$	$\Delta kWh = \text{TONS} * \Delta FL * EFLH$	$\Delta kW = kWh * SPDF$	20	EM&V-Commercial-Cooling	\$270/Ton
Distributed Energy Resources - Greenhouse PV	GREENHOUSE SOLAR PHOTOVOLTAIC SYSTEM	Enter the total power in kilowatts direct current (kW dc) capacity of the Solar Photovoltaic System being installed	Greenhouse electricity supply by grid or CHP or propane generation due to local capacity constraints	8760	$\Delta kW = kW * 1.0$	$\Delta kWh = kW * 1270$	0.000	25	Based on actual load reduction	\$2.87/kW _{dc}

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Distributed Energy Resources - Greenhouse	GREENHOUSE BATTERY STORAGE SYSTEM	Enter the total energy in kilowatt-hour (kWh) of storage capacity of the Battery Storage System being installed	Greenhouse electricity supply by grid or CHP or propane generation due to local capacity constraints	1470	$\Delta kW = kWh * 0.17$	$\Delta kWh = kWh * 0.85$	$\Delta kW = kWh * 0.17$	12	Based on actual load reduction	\$520/kWh
Electric Auxiliary	VARIABLE SPEED DOMESTIC COLD WATER BOOSTER PUMP SYSTEM	Replacement of a Constant Speed Domestic Cold Water Booster Pump System with a Variable Speed Domestic Cold Water Booster Pump System	Constant Speed Domestic Cold Water Booster Pump System		$\Delta kW = HP * 0.12433 \text{ kW/HP}$	$\Delta kWh = HP * 4414 \text{ kWh/HP}$	$\Delta kW = kWh * SPDF$	15	Custom-Business-Cold Water_Booster_Pumps	\$2,960/HP
Industrial Machine	ALL ELECTRIC INJECTION MOULDING MACHINE	Replacement of an existing hydraulic injection moulding machine with all electric injection moulding machine	Fully Hydraulic Injection Moulding Machine	8000	$\Delta kW = Clamping \text{ Tons} * 0.055 \text{ kW/Clamping Ton}$	$\Delta kWh = Clamping \text{ Tons} * 441 \text{ kWh/Clamping Ton}$	$\Delta kW = kWh * SPDF$	20	PSP-Industrial-Miscellaneous_Industrial-Other	\$297.7/Clamping Ton
Industrial Machine	HYBRID INJECTION MOULDING MACHINE	Replacement of an existing hydraulic injection moulding machine with a hybrid injection moulding machine	Fully Hydraulic Injection Moulding Machine	8000	$\Delta kW = Clamping \text{ Tons} * 0.023 \text{ kW/Clamping Ton}$	$\Delta kWh = Clamping \text{ Tons} * 198 \text{ kWh/Clamping Ton}$	$\Delta kW = kWh * SPDF$	20	PSP-Industrial-Miscellaneous_Industrial-Other	\$127.60/Clamping Ton
Lighting - Food Retail	NETWORKED LIGHTING CONTROLS	Enter the total wattage (kW) of the luminaires being controlled by the Networked Lighting Control system	No existing controls or basic lighting control systems	6074		$\Delta kWh = kW * 2854.78$	0.0001421 kW/kWh	16	PSP-Business-Food_Retail-Lighting_Interior_General	\$2,780/kW
Lighting - Greenhouses	GREENHOUSE ADVANCED LIGHTING CONTROL	Enter the total wattage (kW) of the lighting fixtures which are being controlled by the Greenhouse Advanced Lighting Control System.	No existing controls or basic lighting control systems	3488	0.000	$\Delta kWh = kW * 488.32$	0.000	16	CUSTOM-Business-Other_Commercial_Buildings-CUSTOM-Industrial-Agriculture-Horticultural Lighting - Misc	\$2,780/kW
Lighting - Hospital	NETWORKED LIGHTING CONTROLS	Enter the total wattage (kW) of the luminaires being controlled by the Networked Lighting Control system	No existing controls or basic lighting control systems	5182		$\Delta kWh = kW * 2435.54$	0.0001335 kW/kWh	16	PSP-Business-Hospital-Lighting_Interior_General	\$2,780/kW
Lighting - Large Hotel (Corridor/Lobby)	NETWORKED LIGHTING CONTROLS	Enter the total wattage (kW) of the luminaires being controlled by the Networked Lighting Control system	No existing controls or basic lighting control systems	7884		$\Delta kWh = kW * 3705.48$	0.0001208 kW/kWh	16	PSP-Business-Large_Hotel-Lighting_Interior_General	\$2,780/kW
Lighting - Large Non-Food Retail	NETWORKED LIGHTING CONTROLS	Enter the total wattage (kW) of the luminaires being controlled by the Networked Lighting Control system	No existing controls or basic lighting control systems	4089		$\Delta kWh = kW * 1799.16$	0.0001483 kW/kWh	16	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$2,780/kW
Lighting - Large Office	NETWORKED LIGHTING CONTROLS	Enter the total wattage (kW) of the luminaires being controlled by the Networked Lighting Control system	No existing controls or basic lighting control systems	3610		$\Delta kWh = kW * 2274.30$	0.0001786 kW/kWh	16	PSP-Business-Large_Office-Lighting_Interior_General	\$2,780/kW
Lighting - Nursing Home	NETWORKED LIGHTING CONTROLS	Enter the total wattage (kW) of the luminaires being controlled by the Networked Lighting Control system	No existing controls or basic lighting control systems	4308		$\Delta kWh = kW * 2024.76$	0.0001512 kW/kWh	16	PSP-Business-Nursing_Home-Lighting_Interior_General	\$2,780/kW
Lighting - Other Commercial Buildings	NETWORKED LIGHTING CONTROLS	Enter the total wattage (kW) of the luminaires being controlled by the Networked Lighting Control system	No existing controls or basic lighting control systems	4000		$\Delta kWh = kW * 1342.79$	0.0001578 kW/kWh	16	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$2,780/kW
Lighting - Other Non-Food Retail	NETWORKED LIGHTING CONTROLS	Enter the total wattage (kW) of the luminaires being controlled by the Networked Lighting Control system	No existing controls or basic lighting control systems	4089		$\Delta kWh = kW * 1799.16$	0.0001844 kW/kWh	16	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$2,780/kW
Lighting - Restaurant	NETWORKED LIGHTING CONTROLS	Enter the total wattage (kW) of the luminaires being controlled by the Networked Lighting Control system	No existing controls or basic lighting control systems	5110		$\Delta kWh = kW * 2401.70$	0.0001639 kW/kWh	16	PSP-Business-Restaurant-Lighting_Interior_General	\$2,780/kW
Lighting - Schools	NETWORKED LIGHTING CONTROLS	Enter the total wattage (kW) of the luminaires being controlled by the Networked Lighting Control system	No existing controls or basic lighting control systems	2596		$\Delta kWh = kW * 1220.12$	0.0000503 kW/kWh	16	PSP-Business-Schools-Lighting_Interior_General	\$2,780/kW
Lighting - University Colleges	NETWORKED LIGHTING CONTROLS	Enter the total wattage (kW) of the luminaires being controlled by the Networked Lighting Control system	No existing controls or basic lighting control systems	3255		$\Delta kWh = kW * 911.40$	0.0001317 kW/kWh	16	PSP-Business-University_Colleges-Lighting_Interior_General	\$2,780/kW
Lighting - Warehouse Wholesale	NETWORKED LIGHTING CONTROLS	Enter the total wattage (kW) of the luminaires being controlled by the Networked Lighting Control system	No existing controls or basic lighting control systems	3759		$\Delta kWh = kW * 3082.38$	0.0001965 kW/kWh	16	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$2,780/kW
Refrigeration	ADD DOOR TO OPEN REFRIGERATED DISPLAY CASE	Coolers	Open Multi-Deck Refrigerated Display Case	8760	$\Delta kW = FT * 302.65 / 8760$	$\Delta kWh = FT * 302.65$	$\Delta kW = \Delta kWh * SPDF$	15	PSP-Business-Commercial-Refrigerated_Display_Case_Food_Retail	\$ = FT * \$510 per linear foot
Refrigeration	ADD DOOR TO OPEN REFRIGERATED DISPLAY CASE	Freezers	Open Multi-Deck Refrigerated Display Case	8760	$\Delta kW = FT * 1405.59 / 8760$	$\Delta kWh = FT * 1405.59$	$\Delta kW = \Delta kWh * SPDF$	15	PSP-Business-Commercial-Refrigerated_Display_Case_Food_Retail	\$ = FT * \$510 per linear foot
Refrigeration	REFRIGERATION COMPRESSORS	High-Efficiency Discus Compressors	Non High-Efficiency Discus or Scroll Compressor in a Refrigeration System	5858	$\Delta kW = HP * 590 / 5858$	$\Delta kWh = HP * 590$	$\Delta kW = \Delta kWh * SPDF$	15	PSP-Business-Commercial-Refrigerated_Display_Case_Food_Retail	\$226 per HP
Refrigeration	REFRIGERATION COMPRESSORS	High-Efficiency Scroll Compressors	Non High-Efficiency Discus or Scroll Compressor in a Refrigeration System	5858	$\Delta kW = HP * 334.33 / 5858$	$\Delta kWh = HP * 334.33$	$\Delta kW = \Delta kWh * SPDF$	15	PSP-Business-Commercial-Refrigerated_Display_Case_Food_Retail	\$235 per HP



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_UTIL_LIFE	END_USE_LOAD_PROFILE
Refrigeration	AUTOMATIC DOOR CLOSER (for Walk-in Coolers)	AUTOMATIC DOOR CLOSER (for Walk-in Coolers)	NO AUTOMATIC DOOR CLOSER							268	0.032	8	PSP-Business-Commercial-Refrigeration
Refrigeration	AUTOMATIC DOOR CLOSER (for Walk-in Freezers)	AUTOMATIC DOOR CLOSER (for Walk-in Freezers)	NO AUTOMATIC DOOR CLOSER							723	0.086	8	PSP-Business-Commercial-Refrigeration
Refrigeration	CONDENSER COIL CLEANING (for Coolers)	CONDENSER COIL CLEANING (for Coolers)	Dirty Condenser Coils							289	0.034	1	PSP-Business-Commercial-Refrigeration
Refrigeration	CONDENSER COIL CLEANING (for Freezers)	CONDENSER COIL CLEANING (for Freezers)	Dirty Condenser Coils							243	0.029	1	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Coolers)	1/15 HP (50W) ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.175	1533.000	0.071	625.714	0.067	583	0.069	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Coolers)	1/20 HP (37W) ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.130	1134.420	0.053	463.029	0.049	431	0.051	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Coolers)	1/25 HP (30W)ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.105	919.800	0.043	375.429	0.040	350	0.042	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Coolers)	1/5 HP (150W) ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.525	4599.000	0.214	1877.143	0.200	1749	0.208	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Coolers)	12 Watt ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.042	367.920	0.017	150.171	0.016	140	0.017	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Coolers)	16 Watt ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.056	490.560	0.023	200.229	0.021	187	0.022	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Coolers)	9 Watt ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.032	275.940	0.013	112.629	0.012	105	0.012	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Freezers)	1/15 HP (50W) ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.175	1533.000	0.071	625.714	0.079	694	0.082	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Freezers)	1/20 HP (37W) ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.130	1134.420	0.053	463.029	0.059	514	0.061	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Freezers)	1/25 HP (30W)ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.105	919.800	0.043	375.429	0.048	416	0.049	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Freezers)	1/5 HP (150W) ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.525	4599.000	0.214	1877.143	0.238	2082	0.247	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Freezers)	12 Watt ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.042	367.920	0.017	150.171	0.019	167	0.020	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Freezers)	16 Watt ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.056	490.560	0.023	200.229	0.025	222	0.026	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR CONDENSER FANS (for Freezers)	9 Watt ECM Condenser Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.032	275.940	0.013	112.629	0.014	125	0.015	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Coolers)	1/15 HP (50W) ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.175	1533.000	0.071	625.714	0.131	1143	0.136	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Coolers)	1/20 HP (37W) ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.130	1134.420	0.053	463.029	0.097	846	0.100	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Coolers)	1/25 HP (30W)ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.105	919.800	0.043	375.429	0.078	686	0.081	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Coolers)	1/5 HP (150W) ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.525	4599.000	0.214	1877.143	0.392	3430	0.407	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Coolers)	12 Watt ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.042	367.920	0.017	150.171	0.031	274.363	0.033	15	PSP-Business-Commercial-Refrigeration



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Coolers)	16 Watt ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.056	490.560	0.023	200.229	0.042	366	0.043	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Coolers)	9 Watt ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.032	275.940	0.013	112.629	0.023	206	0.024	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Freezers)	1/15 HP (50W) ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.175	1533.000	0.071	625.714	0.147	1285	0.153	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Freezers)	1/20 HP (37W) ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.130	1134.420	0.053	463.029	0.109	951	0.113	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Freezers)	1/25 HP (30W)ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.105	919.800	0.043	375.429	0.088	771	0.092	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Freezers)	1/5 HP (150W) ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.525	4599.000	0.214	1877.143	0.440	3854	0.458	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Freezers)	12 Watt ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.042	367.920	0.017	150.171	0.035	308	0.037	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Freezers)	16 Watt ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.056	490.560	0.023	200.229	0.047	411	0.049	15	PSP-Business-Commercial-Refrigeration
Refrigeration	ECM MOTORS FOR EVAPORATOR FANS (for Freezers)	9 Watt ECM Evaporator Fan Motor Replacement	Shaded Pole Motor (SP) and/or Permanent Split Capacitor (PSC)	8760	0.032	275.940	0.013	112.629	0.026	231	0.027	15	PSP-Business-Commercial-Refrigeration
Refrigeration	NIGHT COVER (for reach-in Coolers)	NIGHT COVER (for reach-in Coolers)	NO NIGHT COVER							1380	0.000	5	PSP-Business-Commercial-Refrigeration
Refrigeration	STRIP CURTAINS (for Walk-in Coolers)	STRIP CURTAINS (for Walk-in Coolers)	NO STRIP CURTAINS							480	0.057	5	PSP-Business-Commercial-Refrigeration
Refrigeration	STRIP CURTAINS (for Walk-in Freezers)	STRIP CURTAINS (for Walk-in Freezers)	NO STRIP CURTAINS							548	0.065	5	PSP-Business-Commercial-Refrigeration
Space Cooling	Smart Thermostat	Web Enabled Smart Thermostat	Non-programable thermostat							995	0.189	5	PSP-Business-Commercial-Cooling_DX



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Food Retail	4' T5 LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<=28W >= 1600 Lumens	Measure Mix of 4' T5 fluorescent lamp 28W and T5 LED	6074	0.032	193.291	0.019	115.406	0.013	77.885	0.011	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$5.16
Lighting - Hospital	4' T5 LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<=28W >= 1600 Lumens	Measure Mix of 4' T5 fluorescent lamp 28W and T5 LED	5182	0.032	164.905	0.019	98.458	0.013	66.447	0.009	10	PSP-Business-Hospital-Lighting_Interior_General	\$5.16
Lighting - Large Hotel (Corridor/Lobby)	4' T5 LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<=28W >= 1600 Lumens	Measure Mix of 4' T5 fluorescent lamp 28W and T5 LED	7884	0.032	250.890	0.019	149.796	0.013	101.094	0.012	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$5.16
Lighting - Large Non-Food Retail	4' T5 LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<=28W >= 1600 Lumens	Measure Mix of 4' T5 fluorescent lamp 28W and T5 LED	3121	0.032	99.310	0.019	59.299	0.013	40.011	0.006	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$5.16
Lighting - Large Office	4' T5 LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<=28W >= 1600 Lumens	Measure Mix of 4' T5 fluorescent lamp 28W and T5 LED	3610	0.032	114.880	0.019	68.590	0.013	46.290	0.008	14	PSP-Business-Large_Office-Lighting_Interior_General	\$5.16
Lighting - Nursing Home	4' T5 LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<=28W >= 1600 Lumens	Measure Mix of 4' T5 fluorescent lamp 28W and T5 LED	4308	0.032	137.092	0.019	81.852	0.013	55.240	0.008	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$5.16
Lighting - Other Commercial Buildings	4' T5 LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<=28W >= 1600 Lumens	Measure Mix of 4' T5 fluorescent lamp 28W and T5 LED	4000	0.032	127.291	0.019	76.000	0.013	51.291	0.008	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$5.16
Lighting - Other Non-Food Retail	4' T5 LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<=28W >= 1600 Lumens	Measure Mix of 4' T5 fluorescent lamp 28W and T5 LED	4089	0.032	130.123	0.019	77.691	0.013	52.432	0.010	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$5.16
Lighting - Restaurant	4' T5 LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<=28W >= 1600 Lumens	Measure Mix of 4' T5 fluorescent lamp 28W and T5 LED	5110	0.032	162.614	0.019	97.090	0.013	65.524	0.011	10	PSP-Business-Restaurant-Lighting_Interior_General	\$5.16
Lighting - Schools	4' T5 LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<=28W >= 1600 Lumens	Measure Mix of 4' T5 fluorescent lamp 28W and T5 LED	2596	0.032	82.612	0.019	49.324	0.013	33.288	0.002	19	PSP-Business-Schools-Lighting_Interior_General	\$5.16
Lighting - University Colleges	4' T5 LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<=28W >= 1600 Lumens	Measure Mix of 4' T5 fluorescent lamp 28W and T5 LED	3255	0.032	103.583	0.019	61.845	0.013	41.738	0.005	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$5.16
Lighting - Warehouse Wholesale	4' T5 LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<=28W >= 1600 Lumens	Measure Mix of 4' T5 fluorescent lamp 28W and T5 LED	4408	0.032	140.263	0.019	83.752	0.013	56.511	0.011	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$5.16
Lighting - Food Retail	4' T5HO LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<= 32W >= 3200 Lumens	Measure Mix of 4' T5HO fluorescent lamp 54W and T5HO LED	6074	0.060	364.213	0.028	170.072	0.032	194.141	0.028	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$0.71
Lighting - Hospital	4' T5HO LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<= 32W >= 3200 Lumens	Measure Mix of 4' T5HO fluorescent lamp 54W and T5HO LED	5182	0.060	310.726	0.028	145.096	0.032	165.630	0.022	10	PSP-Business-Hospital-Lighting_Interior_General	\$0.71
Lighting - Large Hotel (Corridor/Lobby)	4' T5HO LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<= 32W >= 3200 Lumens	Measure Mix of 4' T5HO fluorescent lamp 54W and T5HO LED	7884	0.060	472.745	0.028	220.752	0.032	251.993	0.030	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$0.71
Lighting - Large Non-Food Retail	4' T5HO LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<= 32W >= 3200 Lumens	Measure Mix of 4' T5HO fluorescent lamp 54W and T5HO LED	3121	0.060	187.135	0.028	87.388	0.032	99.747	0.015	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$0.71
Lighting - Large Office	4' T5HO LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<= 32W >= 3200 Lumens	Measure Mix of 4' T5HO fluorescent lamp 54W and T5HO LED	3610	0.060	216.465	0.028	101.080	0.032	115.385	0.021	14	PSP-Business-Large_Office-Lighting_Interior_General	\$0.71
Lighting - Nursing Home	4' T5HO LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<= 32W >= 3200 Lumens	Measure Mix of 4' T5HO fluorescent lamp 54W and T5HO LED	4308	0.060	258.319	0.028	120.624	0.032	137.695	0.021	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$0.71
Lighting - Other Commercial Buildings	4' T5HO LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<= 32W >= 3200 Lumens	Measure Mix of 4' T5HO fluorescent lamp 54W and T5HO LED	4000	0.060	239.851	0.028	112.000	0.032	127.851	0.020	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$0.71
Lighting - Other Non-Food Retail	4' T5HO LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<= 32W >= 3200 Lumens	Measure Mix of 4' T5HO fluorescent lamp 54W and T5HO LED	4089	0.060	245.187	0.028	114.492	0.032	130.695	0.024	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$0.71
Lighting - Restaurant	4' T5HO LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<= 32W >= 3200 Lumens	Measure Mix of 4' T5HO fluorescent lamp 54W and T5HO LED	5110	0.060	306.409	0.028	143.080	0.032	163.329	0.027	10	PSP-Business-Restaurant-Lighting_Interior_General	\$0.71
Lighting - Schools	4' T5HO LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<= 32W >= 3200 Lumens	Measure Mix of 4' T5HO fluorescent lamp 54W and T5HO LED	2596	0.060	155.663	0.028	72.688	0.032	82.975	0.004	19	PSP-Business-Schools-Lighting_Interior_General	\$0.71
Lighting - University Colleges	4' T5HO LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<= 32W >= 3200 Lumens	Measure Mix of 4' T5HO fluorescent lamp 54W and T5HO LED	3255	0.060	195.178	0.028	91.140	0.032	104.038	0.014	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$0.71



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Warehouse Wholesale	4' TSHO LED TUBE REPLACEMENT (UL TYPE A, B, & C)	<= 32W >= 3200 Lumens	Measure Mix of 4' TSHO fluorescent lamp 54W and TSHO LED	4408	0.060	264.304	0.028	123.424	0.032	140.880	0.028	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$0.71
Lighting - Food Retail	4' T8 LED / LED U-BEND LAMP	<= 22W >= 2100 Lumens	Measure Mix of 4' T12 40W, T8 32W fluorescent lamp and T8 LED	6074	0.031	190.685	0.018	109.332	0.013	81.353	0.012	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$3.08
Lighting - Food Retail	4' T8 LED / LED U-BEND LAMP	<=15W >= 1500 Lumens	Measure Mix of 4' T12 34W, T8 25W fluorescent lamp and T8 LED	6074	0.025	150.328	0.013	78.962	0.012	71.366	0.010	8	PSP-Business-Food_Retail-Lighting_Interior_General	-\$2.06
Lighting - Hospital	4' T8 LED / LED U-BEND LAMP	<= 22W >= 2100 Lumens	Measure Mix of 4' T12 40W, T8 32W fluorescent lamp and T8 LED	5182	0.031	162.682	0.018	93.276	0.013	69.406	0.009	10	PSP-Business-Hospital-Lighting_Interior_General	\$3.08
Lighting - Hospital	4' T8 LED / LED U-BEND LAMP	<=15W >= 1500 Lumens	Measure Mix of 4' T12 34W, T8 25W fluorescent lamp and T8 LED	5182	0.025	128.251	0.013	67.366	0.012	60.885	0.008	10	PSP-Business-Hospital-Lighting_Interior_General	-\$2.06
Lighting - Large Hotel (Corridor/Lobby)	4' T8 LED / LED U-BEND LAMP	<= 22W >= 2100 Lumens	Measure Mix of 4' T12 40W, T8 32W fluorescent lamp and T8 LED	7884	0.031	247.507	0.018	141.912	0.013	105.595	0.013	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$3.08
Lighting - Large Hotel (Corridor/Lobby)	4' T8 LED / LED U-BEND LAMP	<=15W >= 1500 Lumens	Measure Mix of 4' T12 34W, T8 25W fluorescent lamp and T8 LED	7884	0.025	195.124	0.013	102.492	0.012	92.632	0.011	6	PSP-Business-Large_Hotel-Lighting_Interior_General	-\$2.06
Lighting - Large Non-Food Retail	4' T8 LED / LED U-BEND LAMP	<= 22W >= 2100 Lumens	Measure Mix of 4' T12 40W, T8 32W fluorescent lamp and T8 LED	3121	0.031	97.968	0.018	56.178	0.013	41.790	0.006	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$3.08
Lighting - Large Non-Food Retail	4' T8 LED / LED U-BEND LAMP	<=15W >= 1500 Lumens	Measure Mix of 4' T12 34W, T8 25W fluorescent lamp and T8 LED	3121	0.025	77.245	0.013	40.573	0.012	36.672	0.005	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	-\$2.06
Lighting - Large Office	4' T8 LED / LED U-BEND LAMP	<= 22W >= 2100 Lumens	Measure Mix of 4' T12 40W, T8 32W fluorescent lamp and T8 LED	3610	0.031	113.331	0.018	64.980	0.013	48.351	0.009	14	PSP-Business-Large_Office-Lighting_Interior_General	\$3.08
Lighting - Large Office	4' T8 LED / LED U-BEND LAMP	<=15W >= 1500 Lumens	Measure Mix of 4' T12 34W, T8 25W fluorescent lamp and T8 LED	3610	0.025	89.345	0.013	46.930	0.012	42.415	0.008	14	PSP-Business-Large_Office-Lighting_Interior_General	-\$2.06
Lighting - Nursing Home	4' T8 LED / LED U-BEND LAMP	<= 22W >= 2100 Lumens	Measure Mix of 4' T12 40W, T8 32W fluorescent lamp and T8 LED	4308	0.031	135.244	0.018	77.544	0.013	57.700	0.009	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$3.08
Lighting - Nursing Home	4' T8 LED / LED U-BEND LAMP	<=15W >= 1500 Lumens	Measure Mix of 4' T12 34W, T8 25W fluorescent lamp and T8 LED	4308	0.025	106.620	0.013	56.004	0.012	50.616	0.008	12	PSP-Business-Nursing_Home-Lighting_Interior_General	-\$2.06
Lighting - Other Commercial Buildings	4' T8 LED / LED U-BEND LAMP	<= 22W >= 2100 Lumens	Measure Mix of 4' T12 40W, T8 32W fluorescent lamp and T8 LED	4000	0.031	125.574	0.018	72.000	0.013	53.574	0.008	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$3.08
Lighting - Other Commercial Buildings	4' T8 LED / LED U-BEND LAMP	<=15W >= 1500 Lumens	Measure Mix of 4' T12 34W, T8 25W fluorescent lamp and T8 LED	4000	0.025	98.997	0.013	52.000	0.012	46.997	0.007	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	-\$2.06
Lighting - Other Non-Food Retail	4' T8 LED / LED U-BEND LAMP	<= 22W >= 2100 Lumens	Measure Mix of 4' T12 40W, T8 32W fluorescent lamp and T8 LED	4089	0.031	128.369	0.018	73.602	0.013	54.767	0.010	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$3.08
Lighting - Other Non-Food Retail	4' T8 LED / LED U-BEND LAMP	<=15W >= 1500 Lumens	Measure Mix of 4' T12 34W, T8 25W fluorescent lamp and T8 LED	4089	0.025	101.200	0.013	53.157	0.012	48.043	0.009	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	-\$2.06
Lighting - Restaurant	4' T8 LED / LED U-BEND LAMP	<= 22W >= 2100 Lumens	Measure Mix of 4' T12 40W, T8 32W fluorescent lamp and T8 LED	5110	0.031	160.421	0.018	91.980	0.013	68.441	0.011	10	PSP-Business-Restaurant-Lighting_Interior_General	\$3.08
Lighting - Restaurant	4' T8 LED / LED U-BEND LAMP	<=15W >= 1500 Lumens	Measure Mix of 4' T12 34W, T8 25W fluorescent lamp and T8 LED	5110	0.025	126.469	0.013	66.430	0.012	60.039	0.010	10	PSP-Business-Restaurant-Lighting_Interior_General	-\$2.06
Lighting - Schools	4' T8 LED / LED U-BEND LAMP	<= 22W >= 2100 Lumens	Measure Mix of 4' T12 40W, T8 32W fluorescent lamp and T8 LED	2596	0.031	81.498	0.018	46.728	0.013	34.770	0.002	19	PSP-Business-Schools-Lighting_Interior_General	\$3.08
Lighting - Schools	4' T8 LED / LED U-BEND LAMP	<=15W >= 1500 Lumens	Measure Mix of 4' T12 34W, T8 25W fluorescent lamp and T8 LED	2596	0.025	64.249	0.013	33.748	0.012	30.501	0.002	19	PSP-Business-Schools-Lighting_Interior_General	-\$2.06
Lighting - University Colleges	4' T8 LED / LED U-BEND LAMP	<= 22W >= 2100 Lumens	Measure Mix of 4' T12 40W, T8 32W fluorescent lamp and T8 LED	3255	0.031	102.186	0.018	58.590	0.013	43.596	0.006	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$3.08
Lighting - University Colleges	4' T8 LED / LED U-BEND LAMP	<=15W >= 1500 Lumens	Measure Mix of 4' T12 34W, T8 25W fluorescent lamp and T8 LED	3255	0.025	80.559	0.013	42.315	0.012	38.244	0.005	15	PSP-Business-University_Colleges-Lighting_Interior_General	-\$2.06

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Warehouse Wholesale	4' T8 LED / LED U-BEND LAMP	<= 22W >= 2100 Lumens	Measure Mix of 4' T12 40W, T8 32W fluorescent lamp and T8 LED	4408	0.031	138.367	0.018	79.344	0.013	59.023	0.012	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$3.08
Lighting - Warehouse Wholesale	4' T8 LED / LED U-BEND LAMP	<=15W >= 1500 Lumens	Measure Mix of 4' T12 34W, T8 25W fluorescent lamp and T8 LED	4408	0.025	109.098	0.013	57.304	0.012	51.794	0.010	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	-\$2.06
Lighting - Food Retail	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 4500 <9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	6074	0.070	425.945	0.044	267.256	0.026	158.689	0.023	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$145.00
Lighting - Food Retail	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	6074	0.117	711.417	0.093	564.882	0.024	146.535	0.021	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$167.00
Lighting - Hospital	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 4500 <9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	5182	0.070	363.392	0.044	228.008	0.026	135.384	0.018	10	PSP-Business-Hospital-Lighting_Interior_General	\$145.00
Lighting - Hospital	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	5182	0.117	606.941	0.093	481.926	0.024	125.015	0.017	10	PSP-Business-Hospital-Lighting_Interior_General	\$167.00
Lighting - Large Hotel (Corridor/Lobby)	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 4500 <9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	7884	0.070	552.873	0.044	346.896	0.026	205.977	0.025	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$145.00
Lighting - Large Hotel (Corridor/Lobby)	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	7884	0.117	923.413	0.093	733.212	0.024	190.201	0.023	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$167.00
Lighting - Large Non-Food Retail	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 4500 <9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	3121	0.070	218.876	0.044	137.324	0.026	81.552	0.012	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$145.00
Lighting - Large Non-Food Retail	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	3121	0.117	365.532	0.093	290.253	0.024	75.279	0.011	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$167.00
Lighting - Large Office	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 4500 <9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	3610	0.070	253.155	0.044	158.840	0.026	94.315	0.017	14	PSP-Business-Large_Office-Lighting_Interior_General	\$145.00
Lighting - Large Office	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	3610	0.117	422.821	0.093	335.730	0.024	87.091	0.016	14	PSP-Business-Large_Office-Lighting_Interior_General	\$167.00
Lighting - Nursing Home	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 4500 <9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	4308	0.070	302.102	0.044	189.552	0.026	112.550	0.017	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$145.00
Lighting - Nursing Home	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	4308	0.117	504.574	0.093	400.644	0.024	103.930	0.016	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$167.00
Lighting - Other Commercial Buildings	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 4500 <9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	4000	0.070	280.504	0.044	176.000	0.026	104.504	0.016	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$145.00
Lighting - Other Commercial Buildings	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	4000	0.117	468.500	0.093	372.000	0.024	96.500	0.015	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$167.00
Lighting - Other Non-Food Retail	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 4500 <9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	4089	0.070	286.745	0.044	179.916	0.026	106.829	0.020	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$145.00
Lighting - Other Non-Food Retail	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	4089	0.117	478.924	0.093	380.277	0.024	98.647	0.018	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$167.00
Lighting - Restaurant	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 4500 <9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	5110	0.070	358.343	0.044	224.840	0.026	133.503	0.022	10	PSP-Business-Restaurant-Lighting_Interior_General	\$145.00
Lighting - Restaurant	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	5110	0.117	598.508	0.093	475.230	0.024	123.278	0.020	10	PSP-Business-Restaurant-Lighting_Interior_General	\$167.00
Lighting - Schools	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 4500 <9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	2596	0.070	182.047	0.044	114.224	0.026	67.823	0.003	19	PSP-Business-Schools-Lighting_Interior_General	\$145.00
Lighting - Schools	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	2596	0.117	304.056	0.093	241.428	0.024	62.628	0.003	19	PSP-Business-Schools-Lighting_Interior_General	\$167.00
Lighting - University Colleges	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 4500 <9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	3255	0.070	228.260	0.044	143.220	0.026	85.040	0.011	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$145.00

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - University Colleges	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	3255	0.117	381.241	0.093	302.715	0.024	78.526	0.010	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$167.00
Lighting - Warehouse Wholesale	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 4500 <9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	4408	0.070	309.133	0.044	193.952	0.026	115.181	0.023	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$145.00
Lighting - Warehouse Wholesale	8' LED LINEAR AMBIENT FIXTURES	8' LED linear ambient fixture (>= 9000 Lumens)	Measure mix of T8 (Electronic Ballast) and T12 (8' ES Magnetic Ballast & 8' Magnetic Ballast)	4408	0.117	516.265	0.093	409.944	0.024	106.321	0.021	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$167.00
Lighting - Food Retail	8' LED LINEAR AMBIENT RETROFIT KIT	>= 4500 < 9000 Lumens	Mixture of one lamp 8' T12 and T8	6074	0.071	431.254	0.045	273.330	0.026	157.924	0.022	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$56.48
Lighting - Food Retail	8' LED LINEAR AMBIENT RETROFIT KIT	>= 9000 Lumens	Mixture of two lamps 8' T12 and T8	6074	0.122	741.028	0.084	510.216	0.038	230.812	0.033	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$20.04
Lighting - Hospital	8' LED LINEAR AMBIENT RETROFIT KIT	>= 4500 < 9000 Lumens	Mixture of one lamp 8' T12 and T8	5182	0.071	367.922	0.045	233.190	0.026	134.732	0.018	10	PSP-Business-Hospital-Lighting_Interior_General	\$56.48
Lighting - Hospital	8' LED LINEAR AMBIENT RETROFIT KIT	>= 9000 Lumens	Mixture of two lamps 8' T12 and T8	5182	0.122	632.204	0.084	435.288	0.038	196.916	0.026	10	PSP-Business-Hospital-Lighting_Interior_General	\$20.04
Lighting - Large Hotel (Corridor/Lobby)	8' LED LINEAR AMBIENT RETROFIT KIT	>= 4500 < 9000 Lumens	Mixture of one lamp 8' T12 and T8	7884	0.071	559.764	0.045	354.780	0.026	204.984	0.025	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$56.48
Lighting - Large Hotel (Corridor/Lobby)	8' LED LINEAR AMBIENT RETROFIT KIT	>= 9000 Lumens	Mixture of two lamps 8' T12 and T8	7884	0.122	961.848	0.084	662.256	0.038	299.592	0.036	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$20.04
Lighting - Large Non-Food Retail	8' LED LINEAR AMBIENT RETROFIT KIT	>= 4500 < 9000 Lumens	Mixture of one lamp 8' T12 and T8	3121	0.071	221.591	0.045	140.445	0.026	81.146	0.012	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$56.48
Lighting - Large Non-Food Retail	8' LED LINEAR AMBIENT RETROFIT KIT	>= 9000 Lumens	Mixture of two lamps 8' T12 and T8	3121	0.122	380.762	0.084	262.164	0.038	118.598	0.018	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$20.04
Lighting - Large Office	8' LED LINEAR AMBIENT RETROFIT KIT	>= 4500 < 9000 Lumens	Mixture of one lamp 8' T12 and T8	3610	0.071	256.310	0.045	162.450	0.026	93.860	0.017	14	PSP-Business-Large_Office-Lighting_Interior_General	\$56.48
Lighting - Large Office	8' LED LINEAR AMBIENT RETROFIT KIT	>= 9000 Lumens	Mixture of two lamps 8' T12 and T8	3610	0.122	440.420	0.084	303.240	0.038	137.180	0.025	14	PSP-Business-Large_Office-Lighting_Interior_General	\$20.04
Lighting - Nursing Home	8' LED LINEAR AMBIENT RETROFIT KIT	>= 4500 < 9000 Lumens	Mixture of one lamp 8' T12 and T8	4308	0.071	305.868	0.045	193.860	0.026	112.008	0.017	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$56.48
Lighting - Nursing Home	8' LED LINEAR AMBIENT RETROFIT KIT	>= 9000 Lumens	Mixture of two lamps 8' T12 and T8	4308	0.122	525.576	0.084	361.872	0.038	163.704	0.025	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$20.04
Lighting - Other Commercial Buildings	8' LED LINEAR AMBIENT RETROFIT KIT	>= 4500 < 9000 Lumens	Mixture of one lamps 8' T12 and T8	4000	0.071	284.000	0.045	180.000	0.026	104.000	0.016	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$56.48
Lighting - Other Commercial Buildings	8' LED LINEAR AMBIENT RETROFIT KIT	>= 9000 Lumens	Mixture of two lamps 8' T12 and T8	4000	0.122	488.000	0.084	336.000	0.038	152.000	0.024	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$20.04
Lighting - Other Non-Food Retail	8' LED LINEAR AMBIENT RETROFIT KIT	>= 4500 < 9000 Lumens	Mixture of one lamp 8' T12 and T8	4089	0.071	290.319	0.045	184.005	0.026	106.314	0.020	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$56.48
Lighting - Other Non-Food Retail	8' LED LINEAR AMBIENT RETROFIT KIT	>= 9000 Lumens	Mixture of two lamps 8' T12 and T8	4089	0.122	498.858	0.084	343.476	0.038	155.382	0.029	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$20.04
Lighting - Restaurant	8' LED LINEAR AMBIENT RETROFIT KIT	>= 4500 < 9000 Lumens	Mixture of one lamp 8' T12 and T8	5110	0.071	362.810	0.045	229.950	0.026	132.860	0.022	10	PSP-Business-Restaurant-Lighting_Interior_General	\$56.48
Lighting - Restaurant	8' LED LINEAR AMBIENT RETROFIT KIT	>= 9000 Lumens	Mixture of two lamps 8' T12 and T8	5110	0.122	623.420	0.084	429.240	0.038	194.180	0.032	10	PSP-Business-Restaurant-Lighting_Interior_General	\$20.04
Lighting - Schools	8' LED LINEAR AMBIENT RETROFIT KIT	>= 4500 < 9000 Lumens	Mixture of one lamp 8' T12 and T8	2596	0.071	184.316	0.045	116.820	0.026	67.496	0.003	19	PSP-Business-Schools-Lighting_Interior_General	\$56.48
Lighting - Schools	8' LED LINEAR AMBIENT RETROFIT KIT	>= 9000 Lumens	Mixture of two lamps 8' T12 and T8	2596	0.122	316.712	0.084	218.064	0.038	98.648	0.005	19	PSP-Business-Schools-Lighting_Interior_General	\$20.04



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - University Colleges	8' LED LINEAR AMBIENT RETROFIT KIT	>= 4500 < 9000 Lumens	Mixture of one lamp 8' T12 and T8	3255	0.071	231.105	0.045	146.475	0.026	84.630	0.011	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$56.48
Lighting - University Colleges	8' LED LINEAR AMBIENT RETROFIT KIT	>= 9000 Lumens	Mixture of two lamps 8' T12 and T8	3255	0.122	397.110	0.084	273.420	0.038	123.690	0.016	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$20.04
Lighting - Warehouse Wholesale	8' LED LINEAR AMBIENT RETROFIT KIT	>= 4500 < 9000 Lumens	Mixture of one lamp 8' T12 and T8	4408	0.071	312.968	0.045	198.360	0.026	114.608	0.023	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$56.48
Lighting - Warehouse Wholesale	8' LED LINEAR AMBIENT RETROFIT KIT	>= 9000 Lumens	Mixture of two lamps 8' T12 and T8	4408	0.122	537.776	0.084	370.272	0.038	167.504	0.033	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$20.04
Lighting - Food Retail	8' T8 LED LAMP	<= 43W >= 3200 Lumens	Measure Mix of 8' T12 75W and T8 59W w/ electronic ballast	6074	0.069	420.025	0.038	228.990	0.031	191.035	0.027	8	PSP-Business-Food_Retail-Lighting_Interior_General	-\$4.18
Lighting - Hospital	8' T8 LED LAMP	<= 43W >= 3200 Lumens	Measure Mix of 8' T12 75W and T8 59W w/ electronic ballast	5182	0.069	358.342	0.038	195.361	0.031	162.980	0.022	10	PSP-Business-Hospital-Lighting_Interior_General	-\$4.18
Lighting - Large Hotel (Corridor/Lobby)	8' T8 LED LAMP	<= 43W >= 3200 Lumens	Measure Mix of 8' T12 75W and T8 59W w/ electronic ballast	7884	0.069	545.189	0.038	297.227	0.031	247.962	0.030	6	PSP-Business-Large_Hotel-Lighting_Interior_General	-\$4.18
Lighting - Large Non-Food Retail	8' T8 LED LAMP	<= 43W >= 3200 Lumens	Measure Mix of 8' T12 75W and T8 59W w/ electronic ballast	3121	0.069	215.817	0.038	117.662	0.031	98.155	0.015	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	-\$4.18
Lighting - Large Office	8' T8 LED LAMP	<= 43W >= 3200 Lumens	Measure Mix of 8' T12 75W and T8 59W w/ electronic ballast	3610	0.069	249.636	0.038	136.097	0.031	113.539	0.020	14	PSP-Business-Large_Office-Lighting_Interior_General	-\$4.18
Lighting - Nursing Home	8' T8 LED LAMP	<= 43W >= 3200 Lumens	Measure Mix of 8' T12 75W and T8 59W w/ electronic ballast	4308	0.069	297.904	0.038	162.412	0.031	135.492	0.020	12	PSP-Business-Nursing_Home-Lighting_Interior_General	-\$4.18
Lighting - Other Commercial Buildings	8' T8 LED LAMP	<= 43W >= 3200 Lumens	Measure Mix of 8' T12 75W and T8 59W w/ electronic ballast	4000	0.069	276.605	0.038	150.800	0.031	125.805	0.020	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	-\$4.18
Lighting - Other Non-Food Retail	8' T8 LED LAMP	<= 43W >= 3200 Lumens	Measure Mix of 8' T12 75W and T8 59W w/ electronic ballast	4089	0.069	282.760	0.038	154.155	0.031	128.604	0.024	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	-\$4.18
Lighting - Restaurant	8' T8 LED LAMP	<= 43W >= 3200 Lumens	Measure Mix of 8' T12 75W and T8 59W w/ electronic ballast	5110	0.069	353.363	0.038	192.647	0.031	160.716	0.026	10	PSP-Business-Restaurant-Lighting_Interior_General	-\$4.18
Lighting - Schools	8' T8 LED LAMP	<= 43W >= 3200 Lumens	Measure Mix of 8' T12 75W and T8 59W w/ electronic ballast	2596	0.069	179.517	0.038	97.869	0.031	81.648	0.004	19	PSP-Business-Schools-Lighting_Interior_General	-\$4.18
Lighting - University Colleges	8' T8 LED LAMP	<= 43W >= 3200 Lumens	Measure Mix of 8' T12 75W and T8 59W w/ electronic ballast	3255	0.069	225.087	0.038	122.714	0.031	102.374	0.013	15	PSP-Business-University_Colleges-Lighting_Interior_General	-\$4.18
Lighting - Warehouse Wholesale	8' T8 LED LAMP	<= 43W >= 3200 Lumens	Measure Mix of 8' T12 75W and T8 59W w/ electronic ballast	4408	0.069	304.813	0.038	166.182	0.031	138.632	0.027	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	-\$4.18
Lighting - Food Retail	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	1' x 4' LED troffer / 4' LED linear ambient fixture (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	6074	0.064	391.072	0.039	234.456	0.026	156.615	0.022	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$114.37
Lighting - Food Retail	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 2' LED troffer / 2' LED linear ambient fixture (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	6074	0.066	401.972	0.039	236.886	0.027	165.086	0.023	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$61.99
Lighting - Food Retail	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 4' LED troffer / 4' LED linear ambient fixture (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	6074	0.092	558.399	0.044	267.256	0.048	291.143	0.041	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$116.78
Lighting - Hospital	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	1' x 4' LED troffer / 4' LED linear ambient fixture (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	5182	0.064	333.641	0.039	200.025	0.026	133.616	0.018	10	PSP-Business-Hospital-Lighting_Interior_General	\$114.37
Lighting - Hospital	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 2' LED troffer / 2' LED linear ambient fixture (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	5182	0.066	342.940	0.039	202.098	0.027	140.842	0.019	10	PSP-Business-Hospital-Lighting_Interior_General	\$61.99
Lighting - Hospital	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 4' LED troffer / 4' LED linear ambient fixture (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	5182	0.092	476.395	0.044	228.008	0.048	248.387	0.033	10	PSP-Business-Hospital-Lighting_Interior_General	\$116.78
Lighting - Large Hotel (Corridor/Lobby)	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	1' x 4' LED troffer / 4' LED linear ambient fixture (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	7884	0.064	507.608	0.039	304.322	0.026	203.286	0.025	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$114.37



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Large Hotel (Corridor/Lobby)	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 2' LED troffer / 2' LED linear ambient fixture (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	7884	0.066	521.756	0.039	307.476	0.027	214.280	0.026	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$61.99
Lighting - Large Hotel (Corridor/Lobby)	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 4' LED troffer / 4' LED linear ambient fixture (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	7884	0.092	724.797	0.044	346.896	0.048	377.901	0.046	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$116.78
Lighting - Large Non-Food Retail	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	1' x 4' LED troffer / 4' LED linear ambient fixture (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	3121	0.064	200.930	0.039	120.471	0.026	80.459	0.012	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$114.37
Lighting - Large Non-Food Retail	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 2' LED troffer / 2' LED linear ambient fixture (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	3121	0.066	206.548	0.039	121.719	0.027	84.829	0.013	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$61.99
Lighting - Large Non-Food Retail	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 4' LED troffer / 4' LED linear ambient fixture (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	3121	0.092	286.914	0.044	137.324	0.048	149.590	0.022	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$116.78
Lighting - Large Office	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	1' x 4' LED troffer / 4' LED linear ambient fixture (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	3610	0.064	232.428	0.039	139.346	0.026	93.082	0.017	14	PSP-Business-Large_Office-Lighting_Interior_General	\$114.37
Lighting - Large Office	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 2' LED troffer / 2' LED linear ambient fixture (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	3610	0.066	238.907	0.039	140.790	0.027	98.117	0.018	14	PSP-Business-Large_Office-Lighting_Interior_General	\$61.99
Lighting - Large Office	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 4' LED troffer / 4' LED linear ambient fixture (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	3610	0.092	331.877	0.044	158.840	0.048	173.037	0.031	14	PSP-Business-Large_Office-Lighting_Interior_General	\$116.78
Lighting - Nursing Home	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	1' x 4' LED troffer / 4' LED linear ambient fixture (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	4308	0.064	277.369	0.039	166.289	0.026	111.080	0.017	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$114.37
Lighting - Nursing Home	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 2' LED troffer / 2' LED linear ambient fixture (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	4308	0.066	285.100	0.039	168.012	0.027	117.088	0.018	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$61.99
Lighting - Nursing Home	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 4' LED troffer / 4' LED linear ambient fixture (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	4308	0.092	396.046	0.044	189.552	0.048	206.494	0.031	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$116.78
Lighting - Other Commercial Buildings	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	1' x 4' LED troffer / 4' LED linear ambient fixture (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	4000	0.064	257.538	0.039	154.400	0.026	103.138	0.016	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$114.37
Lighting - Other Commercial Buildings	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 2' LED troffer / 2' LED linear ambient fixture (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	4000	0.066	264.716	0.039	156.000	0.027	108.716	0.017	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$61.99
Lighting - Other Commercial Buildings	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 4' LED troffer / 4' LED linear ambient fixture (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	4000	0.092	367.731	0.044	176.000	0.048	191.731	0.030	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$116.78
Lighting - Other Non-Food Retail	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	1' x 4' LED troffer / 4' LED linear ambient fixture (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	4089	0.064	263.269	0.039	157.835	0.026	105.433	0.019	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$114.37
Lighting - Other Non-Food Retail	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 2' LED troffer / 2' LED linear ambient fixture (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	4089	0.066	270.606	0.039	159.471	0.027	111.135	0.021	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$61.99
Lighting - Other Non-Food Retail	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 4' LED troffer / 4' LED linear ambient fixture (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	4089	0.092	375.913	0.044	179.916	0.048	195.997	0.036	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$116.78
Lighting - Restaurant	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	1' x 4' LED troffer / 4' LED linear ambient fixture (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	5110	0.064	329.005	0.039	197.246	0.026	131.759	0.022	10	PSP-Business-Restaurant-Lighting_Interior_General	\$114.37
Lighting - Restaurant	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 2' LED troffer / 2' LED linear ambient fixture (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	5110	0.066	338.175	0.039	199.290	0.027	138.885	0.023	10	PSP-Business-Restaurant-Lighting_Interior_General	\$61.99
Lighting - Restaurant	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 4' LED troffer / 4' LED linear ambient fixture (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	5110	0.092	469.776	0.044	224.840	0.048	244.936	0.040	10	PSP-Business-Restaurant-Lighting_Interior_General	\$116.78
Lighting - Schools	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	1' x 4' LED troffer / 4' LED linear ambient fixture (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	2596	0.064	167.142	0.039	100.206	0.026	66.937	0.003	19	PSP-Business-Schools-Lighting_Interior_General	\$114.37
Lighting - Schools	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 2' LED troffer / 2' LED linear ambient fixture (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	2596	0.066	171.801	0.039	101.244	0.027	70.557	0.004	19	PSP-Business-Schools-Lighting_Interior_General	\$61.99
Lighting - Schools	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 4' LED troffer / 4' LED linear ambient fixture (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	2596	0.092	238.657	0.044	114.224	0.048	124.433	0.006	19	PSP-Business-Schools-Lighting_Interior_General	\$116.78



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - University Colleges	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	1' x 4' LED troffer / 4' LED linear ambient fixture (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	3255	0.064	209.572	0.039	125.643	0.026	83.929	0.011	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$114.37
Lighting - University Colleges	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 2' LED troffer / 2' LED linear ambient fixture (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	3255	0.066	215.413	0.039	126.945	0.027	88.468	0.012	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$61.99
Lighting - University Colleges	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 4' LED troffer / 4' LED linear ambient fixture (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	3255	0.092	299.241	0.044	143.220	0.048	156.021	0.021	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$116.78
Lighting - Warehouse Wholesale	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	1' x 4' LED troffer / 4' LED linear ambient fixture (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	4408	0.064	283.787	0.039	170.149	0.026	113.638	0.022	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$114.37
Lighting - Warehouse Wholesale	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 2' LED troffer / 2' LED linear ambient fixture (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	4408	0.066	291.721	0.039	171.912	0.027	119.809	0.024	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$61.99
Lighting - Warehouse Wholesale	INTEGRAL LED TROFFER & LED LINEAR AMBIENT FIXTURE	2' x 4' LED troffer / 4' LED linear ambient fixture (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	4408	0.092	405.227	0.044	193.952	0.048	211.275	0.042	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$116.78
Lighting - Food Retail	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	1' x 4' LED troffer / 4' LED linear ambient retrofit kit (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	6074	0.064	390.998	0.031	188.294	0.033	202.704	0.029	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$83.95
Lighting - Food Retail	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 2' LED troffer / 2' linear ambient retrofit kit (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	6074	0.066	401.907	0.032	194.368	0.034	207.539	0.029	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$38.87
Lighting - Food Retail	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 4' LED troffer / 4' linear ambient retrofit kit (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	6074	0.092	558.278	0.042	255.108	0.050	303.170	0.043	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$104.06
Lighting - Hospital	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	1' x 4' LED troffer / 4' LED linear ambient retrofit kit (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	5182	0.064	333.577	0.031	160.642	0.033	172.935	0.023	10	PSP-Business-Hospital-Lighting_Interior_General	\$83.95
Lighting - Hospital	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 2' LED troffer / 2' linear ambient retrofit kit (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	5182	0.066	342.885	0.032	165.824	0.034	177.061	0.024	10	PSP-Business-Hospital-Lighting_Interior_General	\$38.87
Lighting - Hospital	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 4' LED troffer / 4' linear ambient retrofit kit (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	5182	0.092	476.292	0.042	217.644	0.050	258.648	0.035	10	PSP-Business-Hospital-Lighting_Interior_General	\$104.06
Lighting - Large Hotel (Corridor/Lobby)	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	1' x 4' LED troffer / 4' LED linear ambient retrofit kit (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	7884	0.064	507.512	0.031	244.404	0.033	263.108	0.032	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$83.95
Lighting - Large Hotel (Corridor/Lobby)	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 2' LED troffer / 2' linear ambient retrofit kit (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	7884	0.066	521.672	0.032	252.288	0.034	269.384	0.033	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$38.87
Lighting - Large Hotel (Corridor/Lobby)	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 4' LED troffer / 4' linear ambient retrofit kit (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	7884	0.092	724.640	0.042	331.128	0.050	393.512	0.048	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$104.06
Lighting - Large Non-Food Retail	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	1' x 4' LED troffer / 4' LED linear ambient retrofit kit (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	3121	0.064	200.899	0.031	96.751	0.033	104.148	0.015	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$83.95
Lighting - Large Non-Food Retail	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 2' LED troffer / 2' linear ambient retrofit kit (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	3121	0.066	206.517	0.032	99.872	0.034	106.645	0.016	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$38.87
Lighting - Large Non-Food Retail	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 4' LED troffer / 4' linear ambient retrofit kit (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	3121	0.092	286.851	0.042	131.082	0.050	155.769	0.023	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$104.06
Lighting - Large Office	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	1' x 4' LED troffer / 4' LED linear ambient retrofit kit (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	3610	0.064	232.384	0.031	111.910	0.033	120.474	0.022	14	PSP-Business-Large_Office-Lighting_Interior_General	\$83.95
Lighting - Large Office	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 2' LED troffer / 2' linear ambient retrofit kit (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	3610	0.066	238.868	0.032	115.520	0.034	123.348	0.022	14	PSP-Business-Large_Office-Lighting_Interior_General	\$38.87
Lighting - Large Office	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 4' LED troffer / 4' linear ambient retrofit kit (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	3610	0.092	331.805	0.042	151.620	0.050	180.185	0.032	14	PSP-Business-Large_Office-Lighting_Interior_General	\$104.06
Lighting - Nursing Home	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	1' x 4' LED troffer / 4' LED linear ambient retrofit kit (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	4308	0.064	277.316	0.031	133.548	0.033	143.768	0.022	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$83.95
Lighting - Nursing Home	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 2' LED troffer / 2' linear ambient retrofit kit (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	4308	0.066	285.054	0.032	137.856	0.034	147.198	0.022	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$38.87



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Nursing Home	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 4' LED troffer / 4' linear ambient retrofit kit (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	4308	0.092	395.960	0.042	180.936	0.050	215.024	0.033	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$104.06
Lighting - Other Commercial Buildings	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	1' x 4' LED troffer / 4' LED linear ambient retrofit kit (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	4000	0.064	257.489	0.031	124.000	0.033	133.489	0.021	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$83.95
Lighting - Other Commercial Buildings	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 2' LED troffer / 2' linear ambient retrofit kit (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	4000	0.066	264.674	0.032	128.000	0.034	136.674	0.022	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$38.87
Lighting - Other Commercial Buildings	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 4' LED troffer / 4' linear ambient retrofit kit (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	4000	0.092	367.651	0.042	168.000	0.050	199.651	0.032	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$104.06
Lighting - Other Non-Food Retail	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	1' x 4' LED troffer / 4' LED linear ambient retrofit kit (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	4089	0.064	263.219	0.031	126.759	0.033	136.460	0.025	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$83.95
Lighting - Other Non-Food Retail	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 2' LED troffer / 2' linear ambient retrofit kit (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	4089	0.066	270.563	0.032	130.848	0.034	139.715	0.026	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$38.87
Lighting - Other Non-Food Retail	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 4' LED troffer / 4' linear ambient retrofit kit (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	4089	0.092	375.831	0.042	171.738	0.050	204.093	0.038	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$104.06
Lighting - Restaurant	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	1' x 4' LED troffer / 4' LED linear ambient retrofit kit (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	5110	0.064	328.943	0.031	158.410	0.033	170.533	0.028	10	PSP-Business-Restaurant-Lighting_Interior_General	\$83.95
Lighting - Restaurant	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 2' LED troffer / 2' linear ambient retrofit kit (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	5110	0.066	338.121	0.032	163.520	0.034	174.601	0.029	10	PSP-Business-Restaurant-Lighting_Interior_General	\$38.87
Lighting - Restaurant	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 4' LED troffer / 4' linear ambient retrofit kit (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	5110	0.092	469.674	0.042	214.620	0.050	255.054	0.042	10	PSP-Business-Restaurant-Lighting_Interior_General	\$104.06
Lighting - Schools	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	1' x 4' LED troffer / 4' LED linear ambient retrofit kit (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	2596	0.064	167.111	0.031	80.476	0.033	86.635	0.004	19	PSP-Business-Schools-Lighting_Interior_General	\$83.95
Lighting - Schools	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 2' LED troffer / 2' linear ambient retrofit kit (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	2596	0.066	171.773	0.032	83.072	0.034	88.701	0.004	19	PSP-Business-Schools-Lighting_Interior_General	\$38.87
Lighting - Schools	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 4' LED troffer / 4' linear ambient retrofit kit (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	2596	0.092	238.606	0.042	109.032	0.050	129.574	0.007	19	PSP-Business-Schools-Lighting_Interior_General	\$104.06
Lighting - University Colleges	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	1' x 4' LED troffer / 4' LED linear ambient retrofit kit (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	3255	0.064	209.532	0.031	100.905	0.033	108.627	0.014	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$83.95
Lighting - University Colleges	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 2' LED troffer / 2' linear ambient retrofit kit (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	3255	0.066	215.378	0.032	104.160	0.034	111.218	0.015	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$38.87
Lighting - University Colleges	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 4' LED troffer / 4' linear ambient retrofit kit (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	3255	0.092	299.176	0.042	136.710	0.050	162.466	0.021	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$104.06
Lighting - Warehouse Wholesale	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	1' x 4' LED troffer / 4' LED linear ambient retrofit kit (>= 1500 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 2 lamps	4408	0.064	283.743	0.031	136.648	0.033	147.095	0.029	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$83.95
Lighting - Warehouse Wholesale	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 2' LED troffer / 2' linear ambient retrofit kit (>= 2000 Lumens)	Measure Mix of T12U-bend 34W and T8U-bend 32W - 2 lamps	4408	0.066	291.677	0.032	141.056	0.034	150.621	0.030	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$38.87
Lighting - Warehouse Wholesale	INTEGRAL LED TROFFER & LINEAR AMBIENT RETROFIT KITS	2' x 4' LED troffer / 4' linear ambient retrofit kit (>= 3000 Lumens)	Measure Mix of 4' T12 40W and T8 32W - 3 lamps	4408	0.092	405.139	0.042	185.136	0.050	220.003	0.043	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$104.06
Lighting - Food Retail	LED HIGH BAY FIXTURE	>= 10000 Lumens & < 105W	Average 250 watt HID lamp/ T8 HO	6074	0.236	1433.464	0.086	520.542	0.150	912.922	0.130	10	PSP-Business-Food_Retail-Lighting_Interior_General	-\$449.44
Lighting - Food Retail	LED HIGH BAY FIXTURE	>= 12200 Lumens & < 132W	Average 320 watt HID lamp/ T8 HO	6074	0.289	1755.386	0.102	618.941	0.187	1136.445	0.161	10	PSP-Business-Food_Retail-Lighting_Interior_General	-\$449.44
Lighting - Food Retail	LED HIGH BAY FIXTURE	>= 15500 Lumens & < 178W	Average 400 watt HID lamp/ T8 HO	6074	0.367	2229.158	0.139	844.286	0.228	1384.872	0.197	10	PSP-Business-Food_Retail-Lighting_Interior_General	-\$135.51
Lighting - Food Retail	LED HIGH BAY FIXTURE	>= 20100 Lumens & < 305W	Average 750 watt HID lamp/ T8 HO	6074	0.634	3850.916	0.194	1178.356	0.440	2672.560	0.380	10	PSP-Business-Food_Retail-Lighting_Interior_General	-\$135.51



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Food Retail	LED HIGH BAY FIXTURE	>= 34700 Lumens & >= 305W	Average 1000 watt HID lamp/ T8 HO	6074	0.901	5472.674	0.345	2095.530	0.556	3377.144	0.480	10	PSP-Business-Food_Retail-Lighting_Interior_General	-\$135.51
Lighting - Hospital	LED HIGH BAY FIXTURE	>= 10000 Lumens & < 105W	Average 250 watt HID lamp/ T8 HO	5182	0.236	1222.952	0.086	444.097	0.150	778.855	0.104	11	PSP-Business-Hospital-Lighting_Interior_General	-\$449.44
Lighting - Hospital	LED HIGH BAY FIXTURE	>= 12200 Lumens & < 132W	Average 320 watt HID lamp/ T8 HO	5182	0.289	1497.598	0.102	528.046	0.187	969.552	0.129	11	PSP-Business-Hospital-Lighting_Interior_General	-\$449.44
Lighting - Hospital	LED HIGH BAY FIXTURE	>= 15500 Lumens & < 178W	Average 400 watt HID lamp/ T8 HO	5182	0.367	1901.794	0.139	720.298	0.228	1181.496	0.158	11	PSP-Business-Hospital-Lighting_Interior_General	-\$135.51
Lighting - Hospital	LED HIGH BAY FIXTURE	>= 20100 Lumens & < 305W	Average 750 watt HID lamp/ T8 HO	5182	0.634	3285.388	0.194	1005.308	0.440	2280.080	0.304	11	PSP-Business-Hospital-Lighting_Interior_General	-\$135.51
Lighting - Hospital	LED HIGH BAY FIXTURE	>= 34700 Lumens & >= 305W	Average 1000 watt HID lamp/ T8 HO	5182	0.901	4668.982	0.345	1787.790	0.556	2881.192	0.385	11	PSP-Business-Hospital-Lighting_Interior_General	-\$135.51
Lighting - Large Hotel (Corridor/Lobby)	LED HIGH BAY FIXTURE	>= 10000 Lumens & < 105W	Average 250 watt HID lamp/ T8 HO	7884	0.236	1860.624	0.086	675.659	0.150	1184.965	0.143	8	PSP-Business-Large_Hotel-Lighting_Interior_General	-\$449.44
Lighting - Large Hotel (Corridor/Lobby)	LED HIGH BAY FIXTURE	>= 12200 Lumens & < 132W	Average 320 watt HID lamp/ T8 HO	7884	0.289	2278.476	0.102	803.380	0.187	1475.096	0.178	8	PSP-Business-Large_Hotel-Lighting_Interior_General	-\$449.44
Lighting - Large Hotel (Corridor/Lobby)	LED HIGH BAY FIXTURE	>= 15500 Lumens & < 178W	Average 400 watt HID lamp/ T8 HO	7884	0.367	2893.428	0.139	1095.876	0.228	1797.552	0.217	8	PSP-Business-Large_Hotel-Lighting_Interior_General	-\$135.51
Lighting - Large Hotel (Corridor/Lobby)	LED HIGH BAY FIXTURE	>= 20100 Lumens & < 305W	Average 750 watt HID lamp/ T8 HO	7884	0.634	4998.456	0.194	1529.496	0.440	3468.960	0.419	8	PSP-Business-Large_Hotel-Lighting_Interior_General	-\$135.51
Lighting - Large Hotel (Corridor/Lobby)	LED HIGH BAY FIXTURE	>= 34700 Lumens & >= 305W	Average 1000 watt HID lamp/ T8 HO	7884	0.901	7103.484	0.345	2719.980	0.556	4383.504	0.530	8	PSP-Business-Large_Hotel-Lighting_Interior_General	-\$135.51
Lighting - Large Non-Food Retail	LED HIGH BAY FIXTURE	>= 10000 Lumens & < 105W	Average 250 watt HID lamp/ T8 HO	3121	0.236	736.556	0.086	267.470	0.150	469.086	0.070	14	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	-\$449.44
Lighting - Large Non-Food Retail	LED HIGH BAY FIXTURE	>= 12200 Lumens & < 132W	Average 320 watt HID lamp/ T8 HO	3121	0.289	901.969	0.102	318.030	0.187	583.939	0.087	14	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	-\$449.44
Lighting - Large Non-Food Retail	LED HIGH BAY FIXTURE	>= 15500 Lumens & < 178W	Average 400 watt HID lamp/ T8 HO	3121	0.367	1145.407	0.139	433.819	0.228	711.588	0.106	14	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	-\$135.51
Lighting - Large Non-Food Retail	LED HIGH BAY FIXTURE	>= 20100 Lumens & < 305W	Average 750 watt HID lamp/ T8 HO	3121	0.634	1978.714	0.194	605.474	0.440	1373.240	0.204	14	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	-\$135.51
Lighting - Large Non-Food Retail	LED HIGH BAY FIXTURE	>= 34700 Lumens & >= 305W	Average 1000 watt HID lamp/ T8 HO	3121	0.901	2812.021	0.345	1076.745	0.556	1735.276	0.257	14	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	-\$135.51
Lighting - Large Office	LED HIGH BAY FIXTURE	>= 10000 Lumens & < 105W	Average 250 watt HID lamp/ T8 HO	3610	0.236	851.960	0.086	309.377	0.150	542.583	0.097	16	PSP-Business-Large_Office-Lighting_Interior_General	-\$449.44
Lighting - Large Office	LED HIGH BAY FIXTURE	>= 12200 Lumens & < 132W	Average 320 watt HID lamp/ T8 HO	3610	0.289	1043.290	0.102	367.859	0.187	675.431	0.121	16	PSP-Business-Large_Office-Lighting_Interior_General	-\$449.44
Lighting - Large Office	LED HIGH BAY FIXTURE	>= 15500 Lumens & < 178W	Average 400 watt HID lamp/ T8 HO	3610	0.367	1324.870	0.139	501.790	0.228	823.080	0.147	16	PSP-Business-Large_Office-Lighting_Interior_General	-\$135.51
Lighting - Large Office	LED HIGH BAY FIXTURE	>= 20100 Lumens & < 305W	Average 750 watt HID lamp/ T8 HO	3610	0.634	2288.740	0.194	700.340	0.440	1588.400	0.284	16	PSP-Business-Large_Office-Lighting_Interior_General	-\$135.51
Lighting - Large Office	LED HIGH BAY FIXTURE	>= 34700 Lumens & >= 305W	Average 1000 watt HID lamp/ T8 HO	3610	0.901	3252.610	0.345	1245.450	0.556	2007.160	0.358	16	PSP-Business-Large_Office-Lighting_Interior_General	-\$135.51
Lighting - Nursing Home	LED HIGH BAY FIXTURE	>= 10000 Lumens & < 105W	Average 250 watt HID lamp/ T8 HO	4308	0.236	1016.688	0.086	369.196	0.150	647.492	0.098	14	PSP-Business-Nursing_Home-Lighting_Interior_General	-\$449.44
Lighting - Nursing Home	LED HIGH BAY FIXTURE	>= 12200 Lumens & < 132W	Average 320 watt HID lamp/ T8 HO	4308	0.289	1245.012	0.102	438.985	0.187	806.027	0.122	14	PSP-Business-Nursing_Home-Lighting_Interior_General	-\$449.44



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Nursing Home	LED HIGH BAY FIXTURE	>= 15500 Lumens < 178W	Average 400 watt HID lamp/ T8 HO	4308	0.367	1581.036	0.139	598.812	0.228	982.224	0.149	14	PSP-Business-Nursing_Home-Lighting_Interior_General	-\$135.51
Lighting - Nursing Home	LED HIGH BAY FIXTURE	>= 20100 Lumens < 305W	Average 750 watt HID lamp/ T8 HO	4308	0.634	2731.272	0.194	835.752	0.440	1895.520	0.287	14	PSP-Business-Nursing_Home-Lighting_Interior_General	-\$135.51
Lighting - Nursing Home	LED HIGH BAY FIXTURE	>= 34700 Lumens & >= 305W	Average 1000 watt HID lamp/ T8 HO	4308	0.901	3881.508	0.345	1486.260	0.556	2395.248	0.362	14	PSP-Business-Nursing_Home-Lighting_Interior_General	-\$135.51
Lighting - Other Commercial Buildings	LED HIGH BAY FIXTURE	>= 10000 Lumens & < 105W	Average 250 watt HID lamp/ T8 HO	4000	0.236	944.000	0.086	342.800	0.150	601.200	0.095	20	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	-\$449.44
Lighting - Other Commercial Buildings	LED HIGH BAY FIXTURE	>= 12200 Lumens & < 132W	Average 320 watt HID lamp/ T8 HO	4000	0.289	1156.000	0.102	407.600	0.187	748.400	0.118	20	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	-\$449.44
Lighting - Other Commercial Buildings	LED HIGH BAY FIXTURE	>= 15500 Lumens & < 178W	Average 400 watt HID lamp/ T8 HO	4000	0.367	1468.000	0.139	556.000	0.228	912.000	0.144	20	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	-\$135.51
Lighting - Other Commercial Buildings	LED HIGH BAY FIXTURE	>= 20100 Lumens & < 305W	Average 750 watt HID lamp/ T8 HO	4000	0.634	2536.000	0.194	776.000	0.440	1760.000	0.278	20	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	-\$135.51
Lighting - Other Commercial Buildings	LED HIGH BAY FIXTURE	>= 34700 Lumens & >= 305W	Average 1000 watt HID lamp/ T8 HO	4000	0.901	3604.000	0.345	1380.000	0.556	2224.000	0.351	20	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	-\$135.51
Lighting - Other Non-Food Retail	LED HIGH BAY FIXTURE	>= 10000 Lumens & < 105W	Average 250 watt HID lamp/ T8 HO	4089	0.236	965.004	0.086	350.427	0.150	614.577	0.113	14	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	-\$449.44
Lighting - Other Non-Food Retail	LED HIGH BAY FIXTURE	>= 12200 Lumens & < 132W	Average 320 watt HID lamp/ T8 HO	4089	0.289	1181.721	0.102	416.669	0.187	765.052	0.141	14	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	-\$449.44
Lighting - Other Non-Food Retail	LED HIGH BAY FIXTURE	>= 15,500 Lumens & < 178W	Average 400 watt HID lamp/ T8 HO	4089	0.367	1500.663	0.139	568.371	0.228	932.292	0.172	14	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	-\$135.51
Lighting - Other Non-Food Retail	LED HIGH BAY FIXTURE	>= 20100 Lumens & < 305W	Average 750 watt HID lamp/ T8 HO	4089	0.634	2592.426	0.194	793.266	0.440	1799.160	0.332	14	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	-\$135.51
Lighting - Other Non-Food Retail	LED HIGH BAY FIXTURE	>= 34700 Lumens & >= 305W	Average 1000 watt HID lamp/ T8 HO	4089	0.901	3684.189	0.345	1410.705	0.556	2273.484	0.419	14	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	-\$135.51
Lighting - Restaurant	LED HIGH BAY FIXTURE	>= 10000 Lumens & < 105W	Average 250 watt HID lamp/ T8 HO	5110	0.236	1205.960	0.086	437.927	0.150	768.033	0.126	12	PSP-Business-Restaurant-Lighting_Interior_General	-\$449.44
Lighting - Restaurant	LED HIGH BAY FIXTURE	>= 12200 Lumens & < 132W	Average 320 watt HID lamp/ T8 HO	5110	0.289	1476.790	0.102	520.709	0.187	956.081	0.157	12	PSP-Business-Restaurant-Lighting_Interior_General	-\$449.44
Lighting - Restaurant	LED HIGH BAY FIXTURE	>= 15500 Lumens & < 178W	Average 400 watt HID lamp/ T8 HO	5110	0.367	1875.370	0.139	710.290	0.228	1165.080	0.191	12	PSP-Business-Restaurant-Lighting_Interior_General	-\$135.51
Lighting - Restaurant	LED HIGH BAY FIXTURE	>= 20100 Lumens & < 305W	Average 750 watt HID lamp/ T8 HO	5110	0.634	3239.740	0.194	991.340	0.440	2248.400	0.369	12	PSP-Business-Restaurant-Lighting_Interior_General	-\$135.51
Lighting - Restaurant	LED HIGH BAY FIXTURE	>= 34700 Lumens & >= 305W	Average 1000 watt HID lamp/ T8 HO	5110	0.901	4604.110	0.345	1762.950	0.556	2841.160	0.466	12	PSP-Business-Restaurant-Lighting_Interior_General	-\$135.51
Lighting - Schools	LED HIGH BAY FIXTURE	>= 10000 Lumens & < 105W	Average 250 watt HID lamp/ T8 HO	2596	0.236	612.656	0.086	222.477	0.150	390.179	0.020	22	PSP-Business-Schools-Lighting_Interior_General	-\$449.44
Lighting - Schools	LED HIGH BAY FIXTURE	>= 12200 Lumens & < 132W	Average 320 watt HID lamp/ T8 HO	2596	0.289	750.244	0.102	264.532	0.187	485.712	0.024	22	PSP-Business-Schools-Lighting_Interior_General	-\$449.44
Lighting - Schools	LED HIGH BAY FIXTURE	>= 15500 Lumens & < 178W	Average 400 watt HID lamp/ T8 HO	2596	0.367	952.732	0.139	360.844	0.228	591.888	0.030	22	PSP-Business-Schools-Lighting_Interior_General	-\$135.51
Lighting - Schools	LED HIGH BAY FIXTURE	>= 20100 Lumens & < 305W	Average 750 watt HID lamp/ T8 HO	2596	0.634	1645.864	0.194	503.624	0.440	1142.240	0.057	22	PSP-Business-Schools-Lighting_Interior_General	-\$135.51
Lighting - Schools	LED HIGH BAY FIXTURE	>= 34700 Lumens & >= 305W	Average 1000 watt HID lamp/ T8 HO	2596	0.901	2338.996	0.345	895.620	0.556	1443.376	0.073	22	PSP-Business-Schools-Lighting_Interior_General	-\$135.51

END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - University Colleges	LED HIGH BAY FIXTURE	>= 10000 Lumens & < 105W	Average 250 watt HID lamp/ T8 HO	3255	0.236	768.180	0.086	278.954	0.150	489.227	0.064	18	PSP-Business-University_Colleges-Lighting_Interior_General	-\$449.44
Lighting - University Colleges	LED HIGH BAY FIXTURE	>= 12200 Lumens & < 132W	Average 320 watt HID lamp/ T8 HO	3255	0.289	940.695	0.102	331.685	0.187	609.011	0.080	18	PSP-Business-University_Colleges-Lighting_Interior_General	-\$449.44
Lighting - University Colleges	LED HIGH BAY FIXTURE	>= 15500 Lumens & < 178W	Average 400 watt HID lamp/ T8 HO	3255	0.367	1194.585	0.139	452.445	0.228	742.140	0.098	18	PSP-Business-University_Colleges-Lighting_Interior_General	-\$135.51
Lighting - University Colleges	LED HIGH BAY FIXTURE	>= 20100 Lumens & < 305W	Average 750 watt HID lamp/ T8 HO	3255	0.634	2063.670	0.194	631.470	0.440	1432.200	0.189	18	PSP-Business-University_Colleges-Lighting_Interior_General	-\$135.51
Lighting - University Colleges	LED HIGH BAY FIXTURE	>= 34700 Lumens & >= 305W	Average 1000 watt HID lamp/ T8 HO	3255	0.901	2932.755	0.345	1122.975	0.556	1809.780	0.238	18	PSP-Business-University_Colleges-Lighting_Interior_General	-\$135.51
Lighting - Warehouse Wholesale	LED HIGH BAY FIXTURE	>= 10000 Lumens & < 105W	Average 250 watt HID lamp/ T8 HO	4408	0.236	1040.288	0.086	377.766	0.150	662.522	0.130	16	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	-\$449.44
Lighting - Warehouse Wholesale	LED HIGH BAY FIXTURE	>= 12200 Lumens & < 132W	Average 320 watt HID lamp/ T8 HO	4408	0.289	1273.912	0.102	449.175	0.187	824.737	0.162	16	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	-\$449.44
Lighting - Warehouse Wholesale	LED HIGH BAY FIXTURE	>= 15500 Lumens & < 178W	Average 400 watt HID lamp/ T8 HO	4408	0.367	1617.736	0.139	612.712	0.228	1005.024	0.198	16	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	-\$135.51
Lighting - Warehouse Wholesale	LED HIGH BAY FIXTURE	>= 20100 Lumens & < 305W	Average 750 watt HID lamp/ T8 HO	4408	0.634	2794.672	0.194	855.152	0.440	1939.520	0.381	16	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	-\$135.51
Lighting - Warehouse Wholesale	LED HIGH BAY FIXTURE	>= 34700 Lumens & >= 305W	Average 1000 watt HID lamp/ T8 HO	4408	0.901	3971.608	0.345	1520.760	0.556	2450.848	0.482	16	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	-\$135.51
Lighting - Food Retail	LED LOW-BAY FIXTURES	<=100W <=10000 Lumens	Measure mix of 4-lamp Tandem T12, T8 and T5 Strip Fixture	6074	0.115	697.137	0.053	321.922	0.062	375.215	0.053	8	PSP-Business-Food_Retail-Lighting_Interior_General	\$184.00
Lighting - Hospital	LED LOW-BAY FIXTURES	<=100W <=10000 Lumens	Measure mix of 4-lamp Tandem T12, T8 and T5 Strip Fixture	5182	0.115	594.758	0.053	274.646	0.062	320.112	0.043	10	PSP-Business-Hospital-Lighting_Interior_General	\$184.00
Lighting - Large Hotel (Corridor/Lobby)	LED LOW-BAY FIXTURES	<=100W <=10000 Lumens	Measure mix of 4-lamp Tandem T12, T8 and T5 Strip Fixture	7884	0.115	904.878	0.053	417.852	0.062	487.026	0.059	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$184.00
Lighting - Large Non-Food Retail	LED LOW-BAY FIXTURES	<=100W <=10000 Lumens	Measure mix of 4-lamp Tandem T12, T8 and T5 Strip Fixture	3121	0.115	358.197	0.053	165.413	0.062	192.784	0.029	12	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$184.00
Lighting - Large Office	LED LOW-BAY FIXTURES	<=100W <=10000 Lumens	Measure mix of 4-lamp Tandem T12, T8 and T5 Strip Fixture	3610	0.115	414.334	0.053	191.330	0.062	223.004	0.040	14	PSP-Business-Large_Office-Lighting_Interior_General	\$184.00
Lighting - Nursing Home	LED LOW-BAY FIXTURES	<=100W <=10000 Lumens	Measure mix of 4-lamp Tandem T12, T8 and T5 Strip Fixture	4308	0.115	494.446	0.053	228.324	0.062	266.122	0.040	12	PSP-Business-Nursing_Home-Lighting_Interior_General	\$184.00
Lighting - Other Commercial Buildings	LED LOW-BAY FIXTURES	<=100W <=10000 Lumens	Measure mix of 4-lamp Tandem T12, T8 and T5 Strip Fixture	4000	0.115	459.096	0.053	212.000	0.062	247.096	0.039	18	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$184.00
Lighting - Other Non-Food Retail	LED LOW-BAY FIXTURES	<=100W <=10000 Lumens	Measure mix of 4-lamp Tandem T12, T8 and T5 Strip Fixture	4089	0.115	469.311	0.053	216.717	0.062	252.594	0.047	12	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$184.00
Lighting - Restaurant	LED LOW-BAY FIXTURES	<=100W <=10000 Lumens	Measure mix of 4-lamp Tandem T12, T8 and T5 Strip Fixture	5110	0.115	586.495	0.053	270.830	0.062	315.665	0.052	10	PSP-Business-Restaurant-Lighting_Interior_General	\$184.00
Lighting - Schools	LED LOW-BAY FIXTURES	<=100W <=10000 Lumens	Measure mix of 4-lamp Tandem T12, T8 and T5 Strip Fixture	2596	0.115	297.953	0.053	137.588	0.062	160.365	0.008	19	PSP-Business-Schools-Lighting_Interior_General	\$184.00
Lighting - University Colleges	LED LOW-BAY FIXTURES	<=100W <=10000 Lumens	Measure mix of 4-lamp Tandem T12, T8 and T5 Strip Fixture	3255	0.115	373.589	0.053	172.515	0.062	201.074	0.027	15	PSP-Business-University_Colleges-Lighting_Interior_General	\$184.00
Lighting - Warehouse Wholesale	LED LOW-BAY FIXTURES	<=100W <=10000 Lumens	Measure mix of 4-lamp Tandem T12, T8 and T5 Strip Fixture	4408	0.115	505.906	0.053	233.624	0.062	272.282	0.054	13	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$184.00
Lighting - Food Retail	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 400 and < 600 Lumens	ENERGY STAR® 15W or 18W CFL	6074	0.017	100.221	0.009	57.096	0.007	43.125	0.006	7	PSP-Business-Food_Retail-Lighting_Interior_General	\$15.71



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Food Retail	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 600 and < 800 Lumens	ENERGY STAR® 22W CFL	6074	0.022	133.628	0.012	72.888	0.010	60.740	0.009	7	PSP-Business-Food_Retail-Lighting_Interior_General	\$55.36
Lighting - Food Retail	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 800 Lumens	ENERGY STAR® 26W CFL	6074	0.026	157.924	0.015	92.932	0.011	64.992	0.009	7	PSP-Business-Food_Retail-Lighting_Interior_General	\$55.82
Lighting - Hospital	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 400 and < 600 Lumens	ENERGY STAR® 15W or 18W CFL	5182	0.017	85.503	0.009	48.711	0.007	36.792	0.005	8	PSP-Business-Hospital-Lighting_Interior_General	\$15.71
Lighting - Hospital	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 600 and < 800 Lumens	ENERGY STAR® 22W CFL	5182	0.022	114.004	0.012	62.184	0.010	51.820	0.007	8	PSP-Business-Hospital-Lighting_Interior_General	\$55.36
Lighting - Hospital	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 800 Lumens	ENERGY STAR® 26W CFL	5182	0.026	134.732	0.015	79.285	0.011	55.447	0.007	8	PSP-Business-Hospital-Lighting_Interior_General	\$55.82
Lighting - Large Hotel (Corridor/Lobby)	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 400 and < 600 Lumens	ENERGY STAR® 15W or 18W CFL	7884	0.017	130.086	0.009	74.110	0.007	55.976	0.007	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$15.71
Lighting - Large Hotel (Corridor/Lobby)	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 600 and < 800 Lumens	ENERGY STAR® 22W CFL	7884	0.022	173.448	0.012	94.608	0.010	78.840	0.010	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$55.36
Lighting - Large Hotel (Corridor/Lobby)	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 800 Lumens	ENERGY STAR® 26W CFL	7884	0.026	204.984	0.015	120.625	0.011	84.359	0.010	6	PSP-Business-Large_Hotel-Lighting_Interior_General	\$55.82
Lighting - Large Non-Food Retail	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 400 and < 600 Lumens	ENERGY STAR® 15W or 18W CFL	3121	0.017	51.497	0.009	29.337	0.007	22.159	0.003	11	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$15.71
Lighting - Large Non-Food Retail	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 600 and < 800 Lumens	ENERGY STAR® 22W CFL	3121	0.022	68.662	0.012	37.452	0.010	31.210	0.005	11	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$55.36
Lighting - Large Non-Food Retail	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 800 Lumens	ENERGY STAR® 26W CFL	3121	0.026	81.146	0.015	47.751	0.011	33.395	0.005	11	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	\$55.82
Lighting - Large Office	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 400 and < 600 Lumens	ENERGY STAR® 15W or 18W CFL	3610	0.017	59.565	0.009	33.934	0.007	25.631	0.005	12	PSP-Business-Large_Office-Lighting_Interior_General	\$15.71
Lighting - Large Office	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 600 and < 800 Lumens	ENERGY STAR® 22W CFL	3610	0.022	79.420	0.012	43.320	0.010	36.100	0.006	12	PSP-Business-Large_Office-Lighting_Interior_General	\$55.36
Lighting - Large Office	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 800 Lumens	ENERGY STAR® 26W CFL	3610	0.026	93.860	0.015	55.233	0.011	38.627	0.007	12	PSP-Business-Large_Office-Lighting_Interior_General	\$55.82
Lighting - Nursing Home	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 400 and < 600 Lumens	ENERGY STAR® 15W or 18W CFL	4308	0.017	71.082	0.009	40.495	0.007	30.587	0.005	10	PSP-Business-Nursing_Home-Lighting_Interior_General	\$15.71
Lighting - Nursing Home	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 600 and < 800 Lumens	ENERGY STAR® 22W CFL	4308	0.022	94.776	0.012	51.696	0.010	43.080	0.007	10	PSP-Business-Nursing_Home-Lighting_Interior_General	\$55.36
Lighting - Nursing Home	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 800 Lumens	ENERGY STAR® 26W CFL	4308	0.026	112.008	0.015	65.912	0.011	46.096	0.007	10	PSP-Business-Nursing_Home-Lighting_Interior_General	\$55.82
Lighting - Other Commercial Buildings	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 400 and < 600 Lumens	ENERGY STAR® 15W or 18W CFL	4000	0.017	66.000	0.009	37.600	0.007	28.400	0.004	15	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$15.71
Lighting - Other Commercial Buildings	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 600 and < 800 Lumens	ENERGY STAR® 22W CFL	4000	0.022	88.000	0.012	48.000	0.010	40.000	0.006	15	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$55.36
Lighting - Other Commercial Buildings	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 800 Lumens	ENERGY STAR® 26W CFL	4000	0.026	104.000	0.015	61.200	0.011	42.800	0.007	15	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	\$55.82
Lighting - Other Non-Food Retail	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 400 and < 600 Lumens	ENERGY STAR® 15W or 18W CFL	4089	0.017	67.469	0.009	38.437	0.007	29.032	0.005	11	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$15.71
Lighting - Other Non-Food Retail	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 600 and < 800 Lumens	ENERGY STAR® 22W CFL	4089	0.022	89.958	0.012	49.068	0.010	40.890	0.008	11	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$55.36
Lighting - Other Non-Food Retail	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 800 Lumens	ENERGY STAR® 26W CFL	4089	0.026	106.314	0.015	62.562	0.011	43.752	0.008	11	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	\$55.82



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Restaurant	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 400 and < 600 Lumens	ENERGY STAR® 15W or 18W CFL	5110	0.017	84.315	0.009	48.034	0.007	36.281	0.006	9	PSP-Business-Restaurant-Lighting_Interior_General	\$15.71
Lighting - Restaurant	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 600 and < 800 Lumens	ENERGY STAR® 22W CFL	5110	0.022	112.420	0.012	61.320	0.010	51.100	0.008	9	PSP-Business-Restaurant-Lighting_Interior_General	\$55.36
Lighting - Restaurant	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 800 Lumens	ENERGY STAR® 26W CFL	5110	0.026	132.860	0.015	78.183	0.011	54.677	0.009	9	PSP-Business-Restaurant-Lighting_Interior_General	\$55.82
Lighting - Schools	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 400 and < 600 Lumens	ENERGY STAR® 15W or 18W CFL	2596	0.017	42.834	0.009	24.402	0.007	18.432	0.001	17	PSP-Business-Schools-Lighting_Interior_General	\$15.71
Lighting - Schools	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 600 and < 800 Lumens	ENERGY STAR® 22W CFL	2596	0.022	57.112	0.012	31.152	0.010	25.960	0.001	17	PSP-Business-Schools-Lighting_Interior_General	\$55.36
Lighting - Schools	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 800 Lumens	ENERGY STAR® 26W CFL	2596	0.026	67.496	0.015	39.719	0.011	27.777	0.001	17	PSP-Business-Schools-Lighting_Interior_General	\$55.82
Lighting - University Colleges	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 400 and < 600 Lumens	ENERGY STAR® 15W or 18W CFL	3255	0.017	53.708	0.009	30.597	0.007	23.111	0.003	14	PSP-Business-University_Colleges-Lighting_Interior_General	\$15.71
Lighting - University Colleges	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 600 and < 800 Lumens	ENERGY STAR® 22W CFL	3255	0.022	71.610	0.012	39.060	0.010	32.550	0.004	14	PSP-Business-University_Colleges-Lighting_Interior_General	\$55.36
Lighting - University Colleges	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 800 Lumens	ENERGY STAR® 26W CFL	3255	0.026	84.630	0.015	49.802	0.011	34.829	0.005	14	PSP-Business-University_Colleges-Lighting_Interior_General	\$55.82
Lighting - Warehouse Wholesale	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 400 and < 600 Lumens	ENERGY STAR® 15W or 18W CFL	4408	0.017	72.732	0.009	41.435	0.007	31.297	0.006	12	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$15.71
Lighting - Warehouse Wholesale	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 600 and < 800 Lumens	ENERGY STAR® 22W CFL	4408	0.022	96.976	0.012	52.896	0.010	44.080	0.009	12	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$55.36
Lighting - Warehouse Wholesale	LED RECESSED DOWNLIGHTS	LED Downlight with Light Output >= 800 Lumens	ENERGY STAR® 26W CFL	4408	0.026	114.608	0.015	67.442	0.011	47.166	0.009	12	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	\$55.82
Lighting - Food Retail	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 14W >= 400 Lumens	35W - 38W Halogen or Incandescent Lamp	6074	0.037	221.701	0.008	45.555	0.029	176.146	0.025	4	PSP-Business-Food_Retail-Lighting_Interior_General	-\$55.06
Lighting - Food Retail	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 16W >= 600 Lumens	38W - 43W Halogen or Incandescent Lamp	6074	0.041	245.997	0.011	66.814	0.030	179.183	0.025	4	PSP-Business-Food_Retail-Lighting_Interior_General	-\$27.42
Lighting - Food Retail	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 20W >= 800 Lumens	43W - 60W Halogen or Incandescent Lamp	6074	0.052	312.811	0.013	78.962	0.039	233.849	0.033	4	PSP-Business-Food_Retail-Lighting_Interior_General	-\$37.86
Lighting - Food Retail	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 30W >= 1100 Lumens	60W - 80W Halogen or Incandescent Lamp	6074	0.070	425.180	0.018	106.295	0.053	318.885	0.045	4	PSP-Business-Food_Retail-Lighting_Interior_General	-\$138.68
Lighting - Food Retail	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 7W >= 250 Lumens	20W - 35W Halogen or Incandescent Lamp	6074	0.028	167.035	0.006	36.444	0.022	130.591	0.019	4	PSP-Business-Food_Retail-Lighting_Interior_General	-\$94.29
Lighting - Hospital	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 14W >= 400 Lumens	35W - 38W Halogen or Incandescent Lamp	5182	0.037	189.143	0.008	38.865	0.029	150.278	0.020	5	PSP-Business-Hospital-Lighting_Interior_General	-\$55.06
Lighting - Hospital	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 16W >= 600 Lumens	38W - 43W Halogen or Incandescent Lamp	5182	0.041	209.871	0.011	57.002	0.030	152.869	0.020	5	PSP-Business-Hospital-Lighting_Interior_General	-\$27.42
Lighting - Hospital	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 20W >= 800 Lumens	43W - 60W Halogen or Incandescent Lamp	5182	0.052	266.873	0.013	67.366	0.039	199.507	0.027	5	PSP-Business-Hospital-Lighting_Interior_General	-\$37.86
Lighting - Hospital	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 30W >= 1100 Lumens	60W - 80W Halogen or Incandescent Lamp	5182	0.070	362.740	0.018	90.685	0.053	272.055	0.036	5	PSP-Business-Hospital-Lighting_Interior_General	-\$138.68
Lighting - Hospital	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 7W >= 250 Lumens	20W - 35W Halogen or Incandescent Lamp	5182	0.028	142.505	0.006	31.092	0.022	111.413	0.015	5	PSP-Business-Hospital-Lighting_Interior_General	-\$94.29
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	287.766	0.008	59.130	0.029	228.636	0.028	3	PSP-Business-Large_Hotel-Lighting_Interior_General	-\$55.06



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
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	319.302	0.011	86.724	0.030	232.578	0.028	3	PSP-Business-Large_Hotel-Lighting_Interior_General	-\$27.42
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	406.026	0.013	102.492	0.039	303.534	0.037	3	PSP-Business-Large_Hotel-Lighting_Interior_General	-\$37.86
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	551.880	0.018	137.970	0.053	413.910	0.050	3	PSP-Business-Large_Hotel-Lighting_Interior_General	-\$138.68
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	216.810	0.006	47.304	0.022	169.506	0.020	3	PSP-Business-Large_Hotel-Lighting_Interior_General	-\$94.29
Lighting - Large Non-Food Retail	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 14W >= 400 Lumens	35W - 38W Halogen or Incandescent Lamp	3121	0.037	113.917	0.008	23.408	0.029	90.509	0.013	6	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	-\$55.06
Lighting - Large Non-Food Retail	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 16W >= 600 Lumens	38W - 43W Halogen or Incandescent Lamp	3121	0.041	126.401	0.011	34.331	0.030	92.070	0.014	6	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	-\$27.42
Lighting - Large Non-Food Retail	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 20W >= 800 Lumens	43W - 60W Halogen or Incandescent Lamp	3121	0.052	160.732	0.013	40.573	0.039	120.159	0.018	6	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	-\$37.86
Lighting - Large Non-Food Retail	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 30W >= 1100 Lumens	60W - 80W Halogen or Incandescent Lamp	3121	0.070	218.470	0.018	54.618	0.053	163.853	0.024	6	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	-\$138.68
Lighting - Large Non-Food Retail	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 7W >= 250 Lumens	20W - 35W Halogen or Incandescent Lamp	3121	0.028	85.828	0.006	18.726	0.022	67.102	0.010	6	PSP-Business-Large_Non_Food_Retail-Lighting_Interior_General	-\$94.29
Lighting - Large Office	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 14W >= 400 Lumens	35W - 38W Halogen or Incandescent Lamp	3610	0.037	131.765	0.008	27.075	0.029	104.690	0.019	7	PSP-Business-Large_Office-Lighting_Interior_General	-\$55.06
Lighting - Large Office	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 16W >= 600 Lumens	38W - 43W Halogen or Incandescent Lamp	3610	0.041	146.205	0.011	39.710	0.030	106.495	0.019	7	PSP-Business-Large_Office-Lighting_Interior_General	-\$27.42
Lighting - Large Office	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 20W >= 800 Lumens	43W - 60W Halogen or Incandescent Lamp	3610	0.052	185.915	0.013	46.930	0.039	138.985	0.025	7	PSP-Business-Large_Office-Lighting_Interior_General	-\$37.86
Lighting - Large Office	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 30W >= 1100 Lumens	60W - 80W Halogen or Incandescent Lamp	3610	0.070	252.700	0.018	63.175	0.053	189.525	0.034	7	PSP-Business-Large_Office-Lighting_Interior_General	-\$138.68
Lighting - Large Office	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 7W >= 250 Lumens	20W - 35W Halogen or Incandescent Lamp	3610	0.028	99.275	0.006	21.660	0.022	77.615	0.014	7	PSP-Business-Large_Office-Lighting_Interior_General	-\$94.29
Lighting - Nursing Home	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 14W >= 400 Lumens	35W - 38W Halogen or Incandescent Lamp	4308	0.037	157.242	0.008	32.310	0.029	124.932	0.019	6	PSP-Business-Nursing_Home-Lighting_Interior_General	-\$55.06
Lighting - Nursing Home	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 16W >= 600 Lumens	38W - 43W Halogen or Incandescent Lamp	4308	0.041	174.474	0.011	47.388	0.030	127.086	0.019	6	PSP-Business-Nursing_Home-Lighting_Interior_General	-\$27.42
Lighting - Nursing Home	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 20W >= 800 Lumens	43W - 60W Halogen or Incandescent Lamp	4308	0.052	221.862	0.013	56.004	0.039	165.858	0.025	6	PSP-Business-Nursing_Home-Lighting_Interior_General	-\$37.86
Lighting - Nursing Home	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 30W >= 1100 Lumens	60W - 80W Halogen or Incandescent Lamp	4308	0.070	301.560	0.018	75.390	0.053	226.170	0.034	6	PSP-Business-Nursing_Home-Lighting_Interior_General	-\$138.68
Lighting - Nursing Home	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 7W >= 250 Lumens	20W - 35W Halogen or Incandescent Lamp	4308	0.028	118.470	0.006	25.848	0.022	92.622	0.014	6	PSP-Business-Nursing_Home-Lighting_Interior_General	-\$94.29
Lighting - Other Commercial Buildings	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 14W >= 400 Lumens	35W - 38W Halogen or Incandescent Lamp	4000	0.037	146.000	0.008	30.000	0.029	116.000	0.018	9	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	-\$55.06
Lighting - Other Commercial Buildings	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 16W >= 600 Lumens	38W - 43W Halogen or Incandescent Lamp	4000	0.041	162.000	0.011	44.000	0.030	118.000	0.019	9	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	-\$27.42
Lighting - Other Commercial Buildings	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 20W >= 800 Lumens	43W - 60W Halogen or Incandescent Lamp	4000	0.052	206.000	0.013	52.000	0.039	154.000	0.024	9	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	-\$37.86
Lighting - Other Commercial Buildings	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 30W >= 1100 Lumens	60W - 80W Halogen or Incandescent Lamp	4000	0.070	280.000	0.018	70.000	0.053	210.000	0.033	9	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	-\$138.68



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Other Commercial Buildings	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 7W >= 250 Lumens	20W - 35W Halogen or Incandescent Lamp	4000	0.028	110.000	0.006	24.000	0.022	86.000	0.014	9	PSP-Business-Other_Commercial_Buildings-Lighting_Interior_General	-\$94.29
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	149.249	0.008	30.668	0.029	118.581	0.022	6	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	-\$55.06
Lighting - Other Non-Food Retail	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 16W >= 600 Lumens	38W - 43W Halogen or Incandescent Lamp	4089	0.041	165.605	0.011	44.979	0.030	120.626	0.022	6	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	-\$27.42
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	210.584	0.013	53.157	0.039	157.427	0.029	6	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	-\$37.86
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	286.230	0.018	71.558	0.053	214.673	0.040	6	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	-\$138.68
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	112.448	0.006	24.534	0.022	87.914	0.016	6	PSP-Business-Other_Non_Food_Retail-Lighting_Interior_General	-\$94.29
Lighting - Restaurant	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 14W >= 400 Lumens	35W - 38W Halogen or Incandescent Lamp	5110	0.037	186.515	0.008	38.325	0.029	148.190	0.024	5	PSP-Business-Restaurant-Lighting_Interior_General	-\$55.06
Lighting - Restaurant	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 16W >= 600 Lumens	38W - 43W Halogen or Incandescent Lamp	5110	0.041	206.955	0.011	56.210	0.030	150.745	0.025	5	PSP-Business-Restaurant-Lighting_Interior_General	-\$27.42
Lighting - Restaurant	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 20W >= 800 Lumens	43W - 60W Halogen or Incandescent Lamp	5110	0.052	263.165	0.013	66.430	0.039	196.735	0.032	5	PSP-Business-Restaurant-Lighting_Interior_General	-\$37.86
Lighting - Restaurant	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 30W >= 1100 Lumens	60W - 80W Halogen or Incandescent Lamp	5110	0.070	357.700	0.018	89.425	0.053	268.275	0.044	5	PSP-Business-Restaurant-Lighting_Interior_General	-\$138.68
Lighting - Restaurant	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 7W >= 250 Lumens	20W - 35W Halogen or Incandescent Lamp	5110	0.028	140.525	0.006	30.660	0.022	109.865	0.018	5	PSP-Business-Restaurant-Lighting_Interior_General	-\$94.29
Lighting - Schools	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 14W >= 400 Lumens	35W - 38W Halogen or Incandescent Lamp	2596	0.037	94.754	0.008	19.470	0.029	75.284	0.004	10	PSP-Business-Schools-Lighting_Interior_General	-\$55.06
Lighting - Schools	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 16W >= 600 Lumens	38W - 43W Halogen or Incandescent Lamp	2596	0.041	105.138	0.011	28.556	0.030	76.582	0.004	10	PSP-Business-Schools-Lighting_Interior_General	-\$27.42
Lighting - Schools	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 20W >= 800 Lumens	43W - 60W Halogen or Incandescent Lamp	2596	0.052	133.694	0.013	33.748	0.039	99.946	0.005	10	PSP-Business-Schools-Lighting_Interior_General	-\$37.86
Lighting - Schools	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 30W >= 1100 Lumens	60W - 80W Halogen or Incandescent Lamp	2596	0.070	181.720	0.018	45.430	0.053	136.290	0.007	10	PSP-Business-Schools-Lighting_Interior_General	-\$138.68
Lighting - Schools	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 7W >= 250 Lumens	20W - 35W Halogen or Incandescent Lamp	2596	0.028	71.390	0.006	15.576	0.022	55.814	0.003	10	PSP-Business-Schools-Lighting_Interior_General	-\$94.29
Lighting - University Colleges	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 14W >= 400 Lumens	35W - 38W Halogen or Incandescent Lamp	3255	0.037	118.808	0.008	24.413	0.029	94.395	0.012	8	PSP-Business-University_Colleges-Lighting_Interior_General	-\$55.06
Lighting - University Colleges	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 16W >= 600 Lumens	38W - 43W Halogen or Incandescent Lamp	3255	0.041	131.828	0.011	35.805	0.030	96.023	0.013	8	PSP-Business-University_Colleges-Lighting_Interior_General	-\$27.42
Lighting - University Colleges	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 20W >= 800 Lumens	43W - 60W Halogen or Incandescent Lamp	3255	0.052	167.633	0.013	42.315	0.039	125.318	0.017	8	PSP-Business-University_Colleges-Lighting_Interior_General	-\$37.86
Lighting - University Colleges	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 30W >= 1100 Lumens	60W - 80W Halogen or Incandescent Lamp	3255	0.070	227.850	0.018	56.963	0.053	170.888	0.023	8	PSP-Business-University_Colleges-Lighting_Interior_General	-\$138.68
Lighting - University Colleges	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 7W >= 250 Lumens	20W - 35W Halogen or Incandescent Lamp	3255	0.028	89.513	0.006	19.530	0.022	69.983	0.009	8	PSP-Business-University_Colleges-Lighting_Interior_General	-\$94.29
Lighting - Warehouse Wholesale	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 14W >= 400 Lumens	35W - 38W Halogen or Incandescent Lamp	4408	0.037	160.892	0.008	33.060	0.029	127.832	0.025	7	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	-\$55.06
Lighting - Warehouse Wholesale	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 16W >= 600 Lumens	38W - 43W Halogen or Incandescent Lamp	4408	0.041	178.524	0.011	48.488	0.030	130.036	0.026	7	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	-\$27.42



END_USE	CONSERVATION_MEASURE_NAME	DESCRIPTION	BASE_MEASURE	ASSUMED_ANNUAL_OPERATING_HOURS	BASE_CASE_KW	BASE_CASE_KWH	CONSERVATION_CASE_KW	CONSERVATION_CASE_KWH	FIRST_YEAR_DEMAND_SAVINGS	FIRST_YEAR_ENERGY_SAVINGS	PEAK_DEMAND_SAVINGS	EFFECTIVE_USEFUL_LIFE	END_USE_LOAD_PROFILE	INCREMENTAL_LIFE_CYCLE_COST
Lighting - Warehouse Wholesale	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 20W >= 800 Lumens	43W - 60W Halogen or Incandescent Lamp	4408	0.052	227.012	0.013	57.304	0.039	169.708	0.033	7	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	-\$37.86
Lighting - Warehouse Wholesale	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 30W >= 1100 Lumens	60W - 80W Halogen or Incandescent Lamp	4408	0.070	308.560	0.018	77.140	0.053	231.420	0.045	7	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	-\$138.68
Lighting - Warehouse Wholesale	LED REFLECTOR (FLOOD/SPOT) LAMP PIN & SCREW BASE	<= 7W >= 250 Lumens	20W - 35W Halogen or Incandescent Lamp	4408	0.028	121.220	0.006	26.448	0.022	94.772	0.019	7	PSP-Business-Warehouse_Wholesale-Lighting_Interior_General	-\$94.29
Lighting - Refrigeration	REFRIGERATED DISPLAY CASE LED FIXTURE - HORIZONTAL (UNDERSHELF) INSTALLATION	< 13W Nominal 24"-48"	Average of 2'-4' T8 (17W, 25W, 32W)	6074	0.026	157.924	0.012	72.888	0.014	85.036	0.016	8	PSP-Business-Commercial-Refrigerated_Display_Case_Food Retail	\$236.42
Lighting - Refrigeration	REFRIGERATED DISPLAY CASE LED FIXTURE - VERTICAL INSTALLATION	< 30W Nominal 48"-72"	Average of 4'-6' T8 (32W, 40W, 44W, 46W, 55W, 66W)	6074	0.041	249.034	0.029	176.146	0.012	72.888	0.014	8	PSP-Business-Commercial-Refrigerated_Display_Case_Food Retail	\$230.48