

2019 Business Lighting Measures					
2019 Measure Code	Base Efficiency Level	Proposed Efficiency Level	Suggested Incentive	2019 Savings	
<b>Screw-in Lamps</b>					
LED Candelabra <=5W	Incandescent	LED Candelabra	Up to \$10	23.7	kWh/Lamp
LED A-Line 450-799 Lumens, <=6W	Incandescent/Halogen	LED A-line	Up to \$10	19.6	kWh/Lamp
LED A-Line 800-1099 Lumens, 9W<13W	Incandescent/Halogen	LED A-line	Up to \$10	28.5	kWh/Lamp
LED A-Line 1100-1599 Lumens, 13W<17W	Incandescent/Halogen	LED A-line	Up to \$10	34.6	kWh/Lamp
LED A-Line 1600-1999 Lumens, >=17W	Incandescent/Halogen	LED A-line	Up to \$10	47.2	kWh/Lamp
LED Par/R/BR <=15.5W	Incandescent	LED Flood or Par	Up to \$20	54	kWh/Lamp
Outdoor LED Par/Flood <=15.5W	Incandescent	LED Flood or Par	Up to \$20	276.4	kWh/Lamp
LED Globe <=8W	Incandescent	LED Globe	Up to \$10	27	kWh/Lamp
<b>Interior Fixtures</b>					
LED Fixture	Incandescent fixture	LED Fixture	\$20.00 /Fixture	141.5	kWh/Fixture
LED Exit sign	Incandescent or CFL exit sign	LED Exit Sign	\$13.00 /Fixture	201.0	kWh/fixture
Garage HID replacement 50-100W HID retrofit	HID garage lighting	Replace with LED	\$25.00 /Fixture	353	kWh/fixture
Garage HID replacement 150 to 200W HID retrofit	HID garage lighting	Replace with LED	\$40.00 /Fixture	992	kWh/fixture
Garage HID replacement 250-400W HID retrofit	HID garage lighting	Replace with LED	\$60.00 /Fixture	1528	kWh/fixture
Garage HID replacement above 400W HID retrofit	HID garage lighting	Replace with LED	\$85.00 /Fixture	6395	kWh/fixture
1L 4' LED Tube	T12 1L 4' lamp	Replace with LED	Up to \$10 /Fixture	50.70	kWh/fixture
1L 4' LED Tube	T8 1L 4' lamp	Replace with LED	Up to \$10 /Fixture	33.40	kWh/fixture
2L 4' LED tube	T12 1L 8' lamp	Replace with LED	Up to \$10 /Fixture	93.00	kWh/fixture
2L 4' LED tube	T8 1L 8' lamp	Replace with LED	Up to \$10 /Fixture	56.00	kWh/fixture
Linear Florescent Custom Lighting	Fluorescent lighting	High efficient fluorescent Linear lighting	\$0.08 /kWh saved	kWh savings dependent on calculation**	
Linear Florescent Custom Lighting	Fluorescent lighting	High efficient LED Linear lighting	\$0.08 /kWh saved	kWh savings dependent on calculation**	
HID to High Bay LED/Induction	High Bay HID lighting	Induction/LED High Bay lighting	\$0.25 /Watt	4.16	kWh/Watt
<b>Exterior Fixtures</b>					
Exterior HID replacement 50-100W HID retrofit	HID exterior lighting	Replace with LED	\$25.00 /Fixture	174	kWh/fixture
Exterior HID replacement 150 to 200W HID retrofit	HID exterior lighting	Replace with LED	\$40.00 /Fixture	489	kWh/fixture
Exterior HID replacement 250-400W HID retrofit	HID exterior lighting	Replace with LED	\$60.00 /Fixture	753	kWh/fixture
Exterior HID replacement above 400W HID retrofit	HID exterior lighting	Replace with LED	\$85.00 /Fixture	3153	kWh/fixture
Exterior HID replacement to 150W HID retrofit	HID exterior lighting	Induction exterior lighting, 40% wattage reduction	\$0.25 /Watt	302	kWh/fixture
Exterior HID replacement above 150W to 250W HID re	HID exterior lighting	Induction exterior lighting, 40% wattage reduction	\$0.25 /Watt	461	kWh/fixture
Exterior HID replacement above 250W to 400W HID re	HID exterior lighting	Induction exterior lighting, 40% wattage reduction	\$0.25 /Watt	796	kWh/fixture
Exterior HID Retrofit	HID exterior lighting	Replace with LED/Induction/T8/T5	\$0.25 /Watt	4.32	kWh/Watt
Exterior HID Retrofit - 24/7	HID exterior lighting	Replace with LED/Induction/T8/T6 - 24/7	\$0.60 /Watt	8.76	kWh/Watt
<b>LIGHTING CONTROLS</b>					
Occupancy Sensor under 500W	No automatic or motion control	Motion sensor control	\$20.00 /unit	288.3	kWh/unit
Occupancy Sensor over 500W	No automatic or motion control	Motion sensor control	\$50.00 /unit	720.6	kWh/unit
<b>VARIABLE FREQUENCY DRIVES (VFDs)</b>					
VFD HVAC Fan	Fan <= 100 hp without VFD (1800 annual hours)	Fan >= 100 hp with VFD	\$60.00 /hp	932.0	kWh/hp
VFD HVAC Pump	Pump <= 100 hp w/o VFD (1800 hours/yr)	Pump >= 100 hp with VFD	\$75.00 /hp	2762.0	kWh/hp
VFD Process Pumping	Pump <= 50 hp w/o speed control (2000 hrs/yr)	Variable speed pump control	\$75.00 /hp	1082.2	kWh/hp