

2018 Business Lighting Measures

2018 Measure Code	Base Efficiency Level	Proposed Efficiency Level	Suggested Incentive	2018 Savings	
Screw-in Lamps					
LED Lamp MR16	20W Incandescent lamp	LED MR16 <=6W	\$5.00 /Lamp	38.1	kWh/Lamp
LED Lamp PAR	70W Average Incandescent Lamp	LED PAR/R/BR <= 15.5W	\$12.50 /Lamp	145.5	kWh/Lamp
LED candelabra	25-40W Incandescent Lamp	LED Candelabra <= 5W	\$5.00 /Lamp	75.4	kWh/Lamp
LED Globe	25-50W Incandescent Lamp	LED Globe <= 8W	\$5.00 /Lamp	85.7	kWh/Lamp
LED A-line	Incandescent/Halogen 43W and 53W Lamp	LED A-line replacing Incandescent/Halogen 11-16W	\$10.00 /Lamp	98.8	kWh/Lamp
LED A-line	Incandescent/Halogen 72W and 80W Lamp	LED A-line replacing Incandescent/Halogen >=16W	\$15.00 /Lamp	160.1	kWh/Lamp
Interior Fixtures					
LED Fixture	Incandescent fixture	LED Fixture	\$20.00 /Fixture	141.5	kWh/Fixture
Interior Linear Florescent Custom Lighting	Fluorescent lighting	High efficient florescent Linear lighting	\$0.05 /kWh saved	kWh savings dependent on calculation**	
Interior Linear Florescent Custom Lighting	Fluorescent lighting	High efficient LED Linear lighting	\$0.05 /kWh saved	kWh savings dependent on calculation**	
LED High Bay (per kW saved base)	High Bay HID lighting	LED High Bay lighting	\$0.30 /Watt		kWh/Watt
Exterior Fixtures					
Exterior HID replacement 50-100W HID retrofit	HID exterior lighting	Replace with LED		174	kWh/fixture
Exterior HID replacement 150 to 200W HID retrofit	HID exterior lighting	Replace with LED		489	kWh/fixture
Exterior HID replacement 250-400W HID retrofit	HID exterior lighting	Replace with LED		753	kWh/fixture
Exterior HID replacement above 400W HID retrofit	HID exterior lighting	Replace with LED		3153	kWh/fixture
Exterior HID replacement to 150W HID retrofit	HID exterior lighting	Induction exterior lighting, 40% wattage reduction		302	kWh/fixture
Exterior HID replacement above 150W to 250W HID re	HID exterior lighting	Induction exterior lighting, 40% wattage reduction		461	kWh/fixture
Exterior HID replacement above 250W to 400W HID re	HID exterior lighting	Induction exterior lighting, 40% wattage reduction		796	kWh/fixture
Exterior HID Retrofit	HID exterior lighting	Replace with Induction	\$0.35 /Watt	4.319	kWh/Watt
Exterior HID Retrofit - 24/7	HID exterior lighting	Replace with Induction	\$0.60 /Watt	8.76	kWh/Watt
Exterior HID Retrofit	HID exterior lighting	Replace with LED	\$0.35 /Watt		kWh/Watt
Exterior HID Retrofit - 24/7	HID exterior lighting	Replace with LED	\$0.30 /Watt		kWh/Watt
LIGHTING CONTROLS					
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
VARIABLE FREQUENCY DRIVES (VFDs)					
VFD HVAC Fan	Fan <= 100 hp without VFD (1800 annual hours)	Fan >= 100 hp with VFD	\$60.00 /hp	675.0	kWh/hp
VFD HVAC Pump	Pump <= 100 hp w/o VFD (1800 hours/yr)	Pump >= 100 hp with VFD	\$60.00 /hp	1729.0	kWh/hp
VFD Process Pumping	Pump <= 50 hp w/o speed control (2000 hrs/yr)	Variable speed pump control	\$60.00 /hp	1082.2	kWh/hp

LED Lighting (except Exit signs) for the EO Multiplier which is 1.5 times the kWh in the MEMD for Business.