

2020 Business Lighting Measures					
2020 Measure Code	Base Efficiency Level	Proposed Efficiency Level	Suggested Incentive	2020 Savings	
Screw-in Lamps					
LED Candelabra <=5W	25-40W Incandescent	LED Candelabra	Up to \$10	75.4	kWh/Lamp
LED A-Line 450-799 Lumens, <=6W	29W Incandescent/Halogen	LED A-line	Up to \$10	62.2	kWh/Lamp
LED A-Line 800-1099 Lumens, 9W<13W	43W Incandescent/Halogen	LED A-line	Up to \$10	90.7	kWh/Lamp
LED A-Line 1100-1599 Lumens, 13W<17W	53W Incandescent/Halogen	LED A-line	Up to \$10	110	kWh/Lamp
LED A-Line 1600-1999 Lumens, >=17W	72W Incandescent/Halogen	LED A-line	Up to \$10	150	kWh/Lamp
LED Par/RBR <=15.5W	70W Average Incandescent	LED Flood or Par	Up to \$20	145.5	kWh/Lamp
LED Globe <=8W	25-50W Incandescent	LED Globe	Up to \$10	85.7	kWh/Lamp
Interior Fixtures					
LED Downlight	Incandescent Downlight	LED Downlight	\$20.00 /Fixture	141.5	kWh/Fixture
LED Exit Sign Electronic Fixture (Retrofit Only)	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 Replacing T12 1L 4'	T12 1L 4' lamp	Replace With LED 1L 4'	Up to \$10 /Lamp	57.40	kWh/Lamp
1L 4' LED Tube Replacing T8 1L 4'	T8 1L 4' lamp	Replace With LED 1L 4'	Up to \$10 /Lamp	40.00	kWh/Lamp
1L 4' LED Tube Replacing T5 1L 4'	T5 1L 4' lamp	Replace With LED 1L 4'	Up to \$10 /Lamp	30.40	kWh/Lamp
2L 4' LED Tube Replacing T12 1L 8'	T12 1L 8' lamp	Replace With LED 2L 4'	Up to \$10 /Lamp	106.40	kWh/Lamp
2L 4' LED Tube Replacing T8 1L 8'	T8 1L 8' lamp	Replace With LED 2L 4'	Up to \$10 /Lamp	69.40	kWh/Lamp
1X4 LED Trouffer or Retrofit (1500-3000 Lumens)	1X4 T8 Linear Fluorescent 1 Lamp	1X4 LED Trouffer or Retrofit	Up to \$10 /Fixture	27.70	kWh/Fixture
1X4 LED Trouffer or Retrofit (3001-4500 Lumens)	1X4 T8 Linear Fluorescent 2 Lamp	1X4 LED Trouffer or Retrofit	Up to \$10 /Fixture	61.30	kWh/Fixture
1X4 LED Trouffer or Retrofit (1500-3000 Lumens)	1X4 T5 Linear Fluorescent 1 Lamp	1X4 LED Trouffer or Retrofit	Up to \$10 /Fixture	27.70	kWh/Fixture
1X4 LED Trouffer or Retrofit (3001-4500 Lumens)	1X4 T5 Linear Fluorescent 2 Lamp	1X4 LED Trouffer or Retrofit	Up to \$10 /Fixture	74.70	kWh/Fixture
2X4 LED Trouffer or Retrofit (3000-4500 Lumens)	2X4 T8 Linear Fluorescent 2 Lamp	2X4 LED Trouffer or Retrofit	Up to \$20 /Fixture	62.30	kWh/Fixture
2X4 LED Trouffer or Retrofit (6000-7500 Lumens)	2X4 T8 Linear Fluorescent 4 Lamp	2X4 LED Trouffer or Retrofit	Up to \$20 /Fixture	117.50	kWh/Fixture
2X4 LED Trouffer or Retrofit (3000-4500 Lumens)	2X4 T5 Linear Fluorescent 2 Lamp	2X4 LED Trouffer or Retrofit	Up to \$20 /Fixture	75.70	kWh/Fixture
2X4 LED Trouffer or Retrofit (6000-7500 Lumens)	2X4 T5 Linear Fluorescent 4 Lamp	2X4 LED Trouffer or Retrofit	Up to \$20 /Fixture	181.80	kWh/Fixture
Linear Florescent Custom Lighting	Fluorescent Lighting	High Efficient Fluorescent Linear lighting	\$0.08 /kWh saved	kWh savings dependent on calculation**	
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HID to High Bay LED/Induction	High Bay HID Lighting	Induction/LED High Bay Lighting	\$0.25 /Watt	4.16	/Watt
Exterior Fixtures					
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 Retrofit	HID Exterior Lighting	Induction Exterior Lighting, 40% Wattage Reduction	\$0.25 /Watt	461	kWh/Fixture
Exterior HID replacement Above 250W to 400W HID Retrofit	HID Exterior Lighting	Induction Exterior Lighting, 40% Wattage Reduction	\$0.25 /Watt	796	kWh/Fixture
LIGHTING CONTROLS					
Occupancy Sensor Between 150 and 500 Square Feet	No Automatic or Motion Control	Motion Sensor Control	\$20.00 /unit	288.3	kWh/Unit
Occupancy Sensor Over 500 Square Feet	No Automatic or Motion Control	Motion Sensor Control	\$50.00 /unit	720.6	kWh/Unit
VARIABLE FREQUENCY DRIVES (VFDs)					
VFD for Process Fans Under 50 Hp	Fan <= 50 Hp Without VFD (3713 hrs/yr)	Fan With VFD	\$75.00 /Hp	532.0	kWh/Hp
VFD for HVAC Pump, Fixed Speed Tier 1	HVAC Fan Without VFD (5308 hrs/yr)	Pump With VFD, Fixed Speed, Tier 1, 51 to 54 Hz	\$75.00 /Hp	1122.0	kWh/Hp
VFD for HVAC Pump, Fixed Speed Tier 2	HVAC Fan Without VFD (5308 hrs/yr)	Pump With VFD, Fixed Speed, Tier 2, Under 50Hz	\$75.00 /Hp	1490.0	kWh/Hp
VFD for CHW and CW HVAC Pumps - Fixed Speed, Tier 1, Bypass	CHW and CW Pump With Bypass Control (2261 hrs/yr)	Pump With VFD, Fixed Speed, Tier 1, 51 to 54 Hz	\$75.00 /Hp	478.0	kWh/Hp
VFD for CHW and CW HVAC Pumps - Fixed Speed, Tier 2, Bypass	CHW and CW Pump With Bypass Control (2261 hrs/yr)	Pump With VFD, Fixed Speed, Tier 2, Under 50Hz	\$75.00 /Hp	635.0	kWh/Hp
VFD for CHW and CW HVAC Pumps - Fixed Speed, Tier 1, Throttled	CHW and CW Pump With Bypass Control (2261 hrs/yr)	Pump With VFD, Fixed Speed, Tier 1, 51 to 54 Hz	\$75.00 /Hp	287.0	kWh/Hp
VFD for CHW and CW HVAC Pumps - Fixed Speed, Tier 2, Throttled	CHW and CW Pump With Bypass Control (2261 hrs/yr)	Pump With VFD, Fixed Speed, Tier 2, Under 50Hz	\$75.00 /Hp	381.0	kWh/Hp
VFD for HW HVAC Pumps - Fixed Speed, Tier 1, Bypass	HW Pump With Bypass Control (4459 hrs/yr)	Pump With VFD, Fixed Speed, Tier 1, 51 to 54 Hz	\$75.00 /Hp	942.0	kWh/Hp
VFD for HW HVAC Pumps - Fixed Speed, Tier 2, Bypass	HW Pump With Bypass Control (4459 hrs/yr)	Pump With VFD, Fixed Speed, Tier 2, Under 50Hz	\$75.00 /Hp	1252.0	kWh/Hp
VFD for HW HVAC Pumps - Fixed Speed, Tier 1, Throttled	HW Pump With Bypass Control (4459 hrs/yr)	Pump With VFD, Fixed Speed, Tier 1, 51 to 54 Hz	\$75.00 /Hp	565.0	kWh/Hp
VFD for HW HVAC Pumps - Fixed Speed, Tier 2, Throttled	HW Pump With Bypass Control (4459 hrs/yr)	Pump With VFD, Fixed Speed, Tier 2, Under 50Hz	\$75.00 /Hp	751.0	kWh/Hp
VFD Process Pumping	Pump <= 50 Hp Without Speed Control (3713 hrs/yr)	Variable Speed Pump Control	\$75.00 /Hp	1082.2	kWh/Hp