



# Power Saver<sup>TM</sup> Program *Saving Energy Together*

## Commercial Rebate Summary of Lighting Technologies

Technology	Description	Rebate Level	Features	Customer Benefits
T-8 & T-5 High Efficiency Lighting Systems	T-8 and T-5 lighting systems currently state of the art in the industry; most common replacement for T-12 or T-8 lighting systems	\$250/kW reduced	Improves color rendition; Increases lumens per watt; Wide-range of applications	Energy savings; Lowers heat output (air conditioning savings) Improved color rendition
Compact Fluorescent Lamps (CFLs)	Fluorescent "screw-in" compact lamps are replacements for typical incandescent lamps (require energy star label)	\$1/lamp 20 watts or less \$2/lamp > 20 watts>	Long life (10,000 hrs); Choice of color temperatures; Wide-range of applications; Simple installation	Lowers lighting load that saves energy; Reduces maintenance costs
LED (Light Emitting Diode) Exit Signs	Replacement for incandescent lamps inside exit signs	\$20/sign	Low wattage (1.5 to 5 watts); Long life (100,000 hrs)	Reduces maintenance costs
Hardwire incandescent to fluorescent fixture conversions	Covers the removal of incandescent fixtures by installing a hard-wired fluorescent fixture	\$250/kW reduced	Allows for modernization; Large choice of fixture types; Long lamp life; Equipment warranties	Provides lamp uniformity; Reduces maintenance costs; Lowers heat output (air conditioning savings)
System/Fixture Replacements	The functional change of an existing lighting system (i.e., fluorescent to fluorescent) that improves the overall lighting efficiency	\$250/kW reduced	Allows for modernization; Improved color rendition; Instant start; No hum/buzz; Equipment warranties	Provides opportunities for flexibility and savings when functional use of space changes; Rapid paybacks
Relamping & Re-ballasting of Existing Fluorescent Fixtures	The replacement of all existing T-12 lamps and ballasts with T-8 lamps and electronic ballasts; also T-8 to low watt T-8 systems	\$250/kW reduced	Upgrades lighting system using existing fixtures; Wide variety of lamp manufacturers and colors; Equipment warranties	Minimizes cost associated with replacing entire lighting fixture
HID / Fluorescent Systems	Replacement of H.I.D. (high intensity discharge) lighting with T-8 or T-5 fluorescent technology or induction type lighting	\$300/kW reduced	Eliminates color shift; Improves color rendition; Low lumen depreciation; Longer system life	Replaces HID fixtures; better color rendition, Lower maintenance costs; Rapid paybacks, instant start lamps
Lighting Controls (occupancy sensors) & day light harvesting	Installation of devices that "sense" occupancy and turn lighting on/off	\$175/kW reduced (existing buildings) \$125/kW reduced (new construction)	Infrared (heat based); Ultrasonic (motion based); Hybrid (heat and motion based); Acoustic (sound based)	Provides worry free operation
Group Re-lamping	Lighting strategy that requires entire relamping of a facility. 30, 28, and 25 watt lamps qualify.	\$ 0.60 /lamp	High efficiency T-8 lamps; Maintains lumen output; Allows for fixture cleaning	Lowers maintenance costs; Improves color uniformity; Offers opportunity to change lamp color
Cold Cathode	Ceramic Metal Halide (screw-in) or Fluorescent "screw-in" compact lamps are replacements for typical incandescent lamps	\$6/lamp	Longer life (25,000 hrs); Wide-range of applications; dimnable; Simple installation	Lowers lighting load that saves energy; Reduces maintenance costs, long life
LED (Light Emitting Diode)	LEDs are replacements for incandescent, fluorescent or neon lighting	\$300/kW reduced	Long life up to 100,000 hrs; Ideal for hard-to-reach locations; Excellent on-off capability	Lowers maintenance costs; Reduces lighting costs