

# IMPROVE YOUR LIGHTING by switching to T8 lighting — we'll pay up to 70% for the upgrade.

## T12 TO T8 RETROFIT



Seattle City Light will pay up to 70% of the cost to update to T8 lighting with our lighting retrofit rebates.

Replace obsolete T12 fluorescent lighting with energy efficient T8 technology to reduce energy costs and enjoy better light quality.

### T8 fluorescent lights use as much as 35% less energy

T8 fluorescent lights with electronic ballasts are now the industry standard, using significantly less energy than outdated T12 lights with magnetic ballasts. T8 tubes also last up to twice as long as T12s, reducing maintenance costs associated with bulb changes. See estimated savings chart on reverse.

### T8 systems offer better light quality

Eliminate the buzzing and flickering found with many T12 lighting systems and generate more light per fixture, improving your business environment.

### Act now to take advantage of lighting upgrade rebates

Seattle City Light offers business and institutional customers increased lighting retrofit rebates that pay up to 70% of most typical T12 to T8 conversions.

## HOW TO GET YOUR SEATTLE CITY LIGHT REBATE

- 1 Call (206) 684-3800.
- 2 Work with a City Light energy analyst to evaluate your lighting project and estimate your rebate and energy savings.
- 3 Secure authorization from City Light prior to your contractor starting work.
- 4 Proceed with the installation and contact City Light for final verification when work is complete.

## ESTIMATED SAVINGS for a typical T12 to T8 conversion

TECHNOLOGY COMPARISON	ESTIMATED ANNUAL ENERGY CONSUMPTION	ESTIMATED ANNUAL ENERGY COST
T12 fixture with four 34-watt lights with magnetic ballast	661 kWh	\$42.20
T8 fixture with two 28-watt lights with standard output electronic ballast	150 kWh	\$9.60
<b>Estimated Annual Savings</b>	<b>511 kWh</b>	<b>\$32.60</b>

Estimated annual energy cost is based on small-business rate of 6.38¢ per kWh. Estimated annual energy use assumes lights are on 8 hours per day, 360 days per year.

## Multiply these savings by the number of outdated T12 fluorescent lights in your facility to see how much you could save on energy costs every year.

Savings will vary depending on hours of operation and on the specific light, ballast, and fixture combination you choose. There are a wide variety of new fluorescent light styles — for example, high-output (HO) fixtures designed to provide more light per linear foot, and systems that offer more pleasing light quality for the same size and wattage.

### How to identify T12 lights

One quick way to see if you have T12 lights is to look at the end of a fluorescent tube: if it is wider than a quarter, it is likely an inefficient T12. In addition, T12 lighting often hums, buzzes or flickers.

### Experience the advantages of T8 lighting

In addition to significant energy savings, T8 lights offer improved work environments:

- **Cooler operating temperatures.** T12 lights generate a lot of heat. Newer T8 technology creates better light with less heat, reducing air conditioning cooling loads — and provides additional energy savings.
- **Improved light quality.** T8 systems have a higher color rendering index (CRI) than common T12 lights. The CRI measures the ability of a light source to reproduce the colors of various objects accurately. T8 technology also offers a wide range of color temperatures — from warm yellow to bright white — so you can design lighting ideal for your business environment.

### Conservation is our most cost-effective energy resource

Seattle City Light offers incentives such as technical assistance and rebates to business and institutional customers to promote the adoption of energy-saving technologies. We offer rebates because conservation is a more cost-effective way to meet our electricity needs than alternatives such as building new power plants.

### Reduce your carbon footprint

Updating your fluorescent lighting does more than save you money. Replacing a T12 fixture with an efficient T8 fixture, as detailed in the table above, will keep roughly 578 pounds of CO<sub>2</sub> — a greenhouse gas — out of the atmosphere annually.

The City of Seattle is a national leader in protecting the environment. Seattle residents and businesses are joining in efforts to help reduce the negative impacts of climate change.



Seattle City Light is a publicly owned utility dedicated to exceeding our customers' expectations in producing and delivering low-cost, reliable power in an environmentally responsible and safe way. We are committed to delivering the best customer service experience of any utility in the nation.

Fact sheet data is based on estimated energy use and expense; actual savings will vary. The lighting upgrade rebates will pay up to 70% of the cost of specific energy conservation technologies for typical installations. Seattle City Light will only fund the portion of the project yielding energy conservation. For example, the program does not fund installation costs that are not typical, additional electrical work to meet code, or electrical permits. In medium and large commercial and industrial facilities, at least 90% of the fluorescent lights must be in operation more than 2,000 hours per year to qualify for the rebate. Seattle City Light management must approve the project prior to purchase or installation of equipment or materials. This program may change without notice and is subject to the availability of funds.