

Lighting tips to **REDUCE YOUR ELECTRICITY BILL** and conserve energy.

LIGHTING TIPS



Tips to optimize lighting and reduce operating costs

Manage your lighting systems to save money.

Lighting is typically the largest component of the electricity bill for office buildings, representing up to 40% of the total. Follow these lighting tips to save money and electricity.

Operations

- Install occupancy sensors in private offices, copy rooms, conference rooms and small storage rooms to automatically turn lights off when rooms are unoccupied.
- If you already have occupancy sensors – single room or central – be sure to calibrate them on an annual basis to make sure they are working as intended. If you have new wall-mounted occupancy sensors, set them to manual ON for additional savings.
- If your lights are controlled by a central lighting system, make sure the hours the lights are on match the hours the building is occupied. Also consider dividing the building into smaller zones to better align lighting with the hours of use in each area.
- Train all employees — including building maintenance, security, and janitorial staff — to turn lights off when not needed. Make sure they know how to briefly override any central controls (for example, to turn lights on after hours for cleaning crews), and how to re-enable the control system when they are finished.

Maintenance

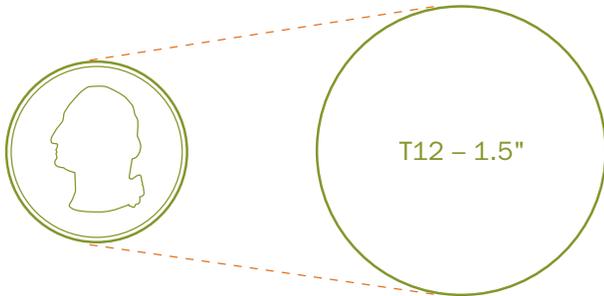
- When replacing lighting components — whether lamps, ballasts or fixtures — choose components with the longest life expectancy.
- Establish a standard color for your fluorescent lamps according to the Color Rendering Index (CRI) and Kelvin Temperature. Be sure to use the same color temperature and CRI lamps when replacing burned out lamps — mismatched lamp colors are distracting.
- If any existing fixtures are difficult to access, install long life lamps even if they are more expensive. Doing so will significantly reduce maintenance costs.
- Always clean the light fixture when you replace lamps and consider the ease of cleaning when selecting new fixtures. For example, choosing sealed fixtures eliminates time that would otherwise be spent removing dirt and dead insects.

Seattle City Light offers cash rebates to upgrade your lighting.

To learn more, call (206) 684-3800 or visit www.seattle.gov/saveenergy.

Upgrades

- Reduce the lighting portion of your electricity bill by retrofitting inefficient T12 lights with energy-saving lamps and electronic ballasts. To identify a T12, look at the end of the fluorescent light tube. If its diameter is larger than a quarter, it's probably a T12.



- If you need lighting that has dimming technology, consider changing incandescent lights to dimmable light-emitting diodes (LED) or dimmable compact fluorescent lamps (CFLs).
- Install daylight controls in areas with north or south-facing windows that let in a lot of light. These controls, which include photo sensors and dimming technology, sense the ambient light level and automatically dim lights — or turn them off completely — when they are not needed.
- If you currently use T8 lamps, consider using 30, 28 or 25-watt T8 lamps to save additional energy.

Disconnection

- Periodically review your work space to make sure all lighting fixtures are really needed.
- If you find fixtures that are not needed, disconnect the entire fixture, not just the lamp. Ballasts in fluorescent light fixtures, for example, use energy even when no lamp is present.

Rebates for energy conservation

Seattle City Light offers rebates to help customers save energy because it is the most cost-effective way to meet our future electricity needs. When customers reduce their electricity use, it helps us conserve our hydro resource and avoid the expense of building new power plants or buying electricity on the open market.

Our mission

Seattle City Light is a publicly owned utility dedicated to exceeding our customers' expectations in producing and delivering environmentally responsible, safe, low-cost and reliable power. Over 90% of our electricity is produced by clean, renewable hydro power and wind generation. Seattle City Light is committed to delivering the best customer service experience of any utility in the nation.

Reduce your carbon footprint

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.