

Lighting

Best Practices for Energy Efficiency

Lighting Best Practices At-a-Glance

Replace all incandescent bulbs

Specifications:

- Where dimming is important: use LED, CFL with electronic ballast, or cold cathode bulbs
- Where dimming is not important, consider using CFL or T5 fluorescent bulbs

Benefits:

- Cut power costs 75-90%
- Decrease labor costs of changing lights

Use timers or motion sensors where appropriate

Specifications:

- Where lights will only be necessary for temporary uses (i.e. storage)

Benefits:

- Decrease likelihood of lights being left on unnecessarily

Consult with local electricity utility

Specifications:

- Whenever upgrading light fixtures or bulbs

Benefits:

- May qualify for utility rebates, but these benefits will often require utility involvement and supervision or even require "pre-approval"

Conduct pilot test of efficient lighting options such as LED or CFL in a small area prior to installation through a restaurant

Specifications

- Whenever lighting is being changed in a large area

Benefits

- Allows problems with a new lighting design to be identified and fixed prior to installation

Install reflectors

Specifications:

- Where diffuse light sources are being used in a directed location (i.e. can lights)
- Where a T12 light fixture is being retrofitted to a T5 or T8 fixture with fewer lamps

Benefits:

- Can be used behind can and recessed bulb to increase efficient use of produced light
- Sometimes allows the use of fewer lamps by making the fixture more efficient