

# Commercial Kitchens

The New York State Energy Research and Development Authority (NYSERDA) assists restaurant owners and managers with practical technical assistance for reducing energy costs within their commercial kitchens, including capital purchases that reduce their energy and water-use costs. Improvements in energy efficiency can be achieved in many ways including:

- Efficient lighting, heating, ventilation, air conditioning
- Efficient vending and ice making
- Efficient commercial kitchen equipment

## Energy Efficiency Tips

Restaurants are extremely energy intensive. Owners can spend \$4.15 per square foot on energy, two to three times that of schools, retail, and office buildings. NYSERDA recommends these tips to reduce energy use and save money:

### Repair all leaky faucets.

One drop per second can waste as much as 10 gallons of water in a week.

### Turn off cooking appliances when not in use.

Every time an oven door is opened, it loses roughly 25 degrees F. Use cold water for washing needs 90% of the energy used is for heating water.

### Reduce set-point temperatures for water and air heating systems. And increase set-points for AC thermostats.

Each degree above 75 degrees F that you set your AC thermostat saves you 3% of the energy used to cool your facility.

### Switch to CFLs, using daylight, and other lighting efficiency measures.

Using CFLs instead of incandescent bulbs can reduce your lighting costs by 75% or more.

### Replace existing kitchen equipment with higher efficiency Energy Star appliances.

A refrigerator purchased in 1990 uses twice as much energy to operate.



Savings on Commercial Equipment	
Equipment	Annual Savings
Combination Oven	39%
Convection Oven	23% - 30%
Gas/Electric Fryer	30%
Gas/Electric Griddle	5%
Gas/Electric Steamers	72%
Holding Cabinet	43%
Ice Maker	20%
Pre-Rinse Spray	47%
Refrigerator/Freezer	35% - 54%

For more information, visit  
[www.nyserdera.org/commercial\\_kitchen](http://www.nyserdera.org/commercial_kitchen), email us at  
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