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ENERGY STAR®, a U.S. Environmental Protection Agency program, helps us all save money and protect our environment through energy-efficient products and practices. For more information, visit www.energystar.gov.

BENEFITS OF ENERGY STAR® CERTIFIED COMMERCIAL FOOD SERVICE (CFS) EQUIPMENT

Commercial Refrigerators and Freezers

Commercial refrigerators and freezers that have earned the ENERGY STAR are approximately **40 percent more energy efficient** than standard models. To meet the strict efficiency requirements developed by the U.S. Environmental Protection Agency's ENERGY STAR program, manufacturers use high-quality components and employ innovative designs.

Eligible Products: Solid, transparent, and mixed solid/transparent door refrigerators and freezers.

Examples include: reach-in, roll-in, or pass-through units; merchandisers; undercounter units; milk coolers; back bar coolers; bottle coolers; and beer-dispensing or direct draw units.

Ineligible Products: Drawer cabinets, prep tables, or deli cases; open air units; laboratory-grade equipment; and refrigerator/freezer combination units.

EXAMPLES OF TECHNICAL APPROACHES TO REDUCE ENERGY CONSUMPTION

- High-efficiency compressors and improved coil design
- Electronically commutated motors
- Variable speed fans
- Improved fan blade design
- Anti-sweat heaters
- Improved insulation and gaskets
- Efficient interior lighting

EXAMPLES OF ADDITIONAL BENEFITS

- Uniform cabinet temperatures
- Reduced heat output from more efficient compressor systems and fan motors
- Extended product lifetime

ESTIMATED ENERGY AND COST SAVINGS FOR ENERGY STAR CERTIFIED MODELS

Commercial Freezers

\$200 to \$430
Annual Savings

Save 2,000 to
4,000 kWh/year

\$2,000 to \$4,300
Lifetime Savings*



Commercial Refrigerators

\$90 to \$100
Annual Savings

Save 880 to
1,000 kWh/year

\$900 to \$1,000
Lifetime Savings*

* Based on 12-year life and 4 percent discount rate. Actual savings will vary depending on use.

Incentives available for ENERGY STAR certified commercial refrigerators and freezers range from

\$25-\$1,000

Source: ENERGY STAR Commercial Food Service Incentive Guide



The eight ENERGY STAR CFS equipment categories include: griddles, ovens, hot food holding cabinets, fryers, steamers, dishwashers, ice machines, and refrigerators and freezers.

ADDITIONAL ENERGY STAR HIGHLIGHTS

- Outfitting an entire kitchen with a suite of ENERGY STAR certified CFS equipment could save operators about 360 MBtu/year, or the equivalent of more than \$5,000/year. These energy savings would prevent about 42,000 pounds of greenhouse gas emissions annually.
- Models that have earned the ENERGY STAR meet strict guidelines set by the U.S. Environmental Protection Agency. Their performance is certified by third-parties based on testing performed in an EPA-recognized laboratory.
- ENERGY STAR certified equipment is often a baseline for achieving credits from commercial kitchen and restaurant certification and rating programs.

RESOURCES

- Overview of ENERGY STAR for Commercial Kitchens: <http://www.energystar.gov/cfs>
- CFS Product Specifications and Key Product Criteria: <http://www.energystar.gov/specifications>
- ENERGY STAR Partner List: <http://www.energystar.gov/partnersearch>
- Commercial Kitchen Equipment Savings Calculator: <http://www.energystar.gov/cfs>
- ENERGY STAR Where to Buy List: <http://www.energystar.gov/cfs/wheretobuy>
- CFS Incentive Finder and CFS Incentive Guide: <http://www.energystar.gov/cfs/incentives>
- ENERGY STAR Guide for Restaurants: http://www.energystar.gov/ia/partners/publications/pubdocs/restaurants_guide.pdf
- ENERGY STAR Training Center: <http://www.energystar.gov/training/cfs>

For more information, visit www.energystar.gov/cfs or e-mail EPA's ENERGY STAR Commercial Food Service Program at commercialfoodservice@energystar.gov.

Equipment images courtesy of PG&E's Food Service Technology Center (FSTC)