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

Commercial Dishwashers

Commercial dishwashers that have earned the ENERGY STAR are approximately 40 percent more energy efficient and 40 percent more water 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. All ENERGY STAR certified machines are certified to NSF 3 sanitation standards.

**Eligible Products:** High temp (hot water sanitizing), low temp (chemical sanitizing) machines, and dual sanitizing machines. The following product types are eligible: stationary rack machines (under counter, single tank/door type, glasswashing, and pot, pan and utensil) and conveyor machines (rack and rackless/flight type, single and multiple tank).

**Ineligible Products:** Steam, gas, and other non-electric models; dishwashers intended for use in residential or laboratory applications.

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**EXAMPLES OF TECHNICAL APPROACHES TO REDUCE ENERGY AND WATER CONSUMPTION**

- Improved nozzle and rinse arm design
- Auxiliary pre-rinse section
- Heat recovery technology
- Sophisticated controls and sensors
- Effective curtain designs to minimize airflow

**EXAMPLES OF ADDITIONAL BENEFITS**

- Auto-mode capabilities, including low power mode during long periods of idle

**ESTIMATED ENERGY AND COST SAVINGS FOR ENERGY STAR CERTIFIED MODELS**

<table>
<thead>
<tr>
<th>Flight-type Dishwashers</th>
<th>Other Eligible Dishwashers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Annual Savings</strong></td>
<td><strong>Annual Savings</strong></td>
</tr>
<tr>
<td>$5,800</td>
<td>$1,400</td>
</tr>
<tr>
<td><strong>Lifetime Savings</strong></td>
<td><strong>Lifetime Savings</strong></td>
</tr>
<tr>
<td>$73,000</td>
<td>$18,000</td>
</tr>
<tr>
<td>40,000 kWh/year</td>
<td>8,500 kWh/year</td>
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</tbody>
</table>

* Based on 15-year life and 4 percent discount rate. Actual savings will vary depending on use.

Incentives available for ENERGY STAR certified dishwashers range from $15–$1,500

Incentives vary depending on product type.

Source: ENERGY STAR Rebate Finder
The nine ENERGY STAR CFS equipment categories include: griddles, ovens, hot food holding cabinets, fryers, steamers, dishwashers, ice machines, refrigerators, freezers, and coffee brewers.

### ADDITIONAL ENERGY STAR HIGHLIGHTS

- Outfitting an entire kitchen with a suite of ENERGY STAR certified CFS equipment could save operators about 330 MBtu/year, or the equivalent of more than $5,100/year. These energy savings would prevent about 38,000 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 Foodservice Equipment: [http://www.energystar.gov/cfs](http://www.energystar.gov/cfs)
- ENERGY STAR Partner List: [http://www.energystar.gov/partnersearch](http://www.energystar.gov/partnersearch)
- ENERGY STAR Rebate Finder: [http://www.energystar.gov/rebatefinder](http://www.energystar.gov/rebatefinder)
- ENERGY STAR Training Center: [http://www.energystar.gov/training/cfs](http://www.energystar.gov/training/cfs)

For more information, visit [www.energystar.gov/cfs](http://www.energystar.gov/cfs) or e-mail EPA's ENERGY STAR Commercial Food Service Program at [commercialfoodservice@energystar.gov](mailto:commercialfoodservice@energystar.gov).

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