



# ENERGY STAR® Program Requirements for Commercial Hot Food Holding Cabinets

## Partner Commitments DRAFT 1

### Commitment

The following are the terms of the ENERGY STAR Partnership Agreement as it pertains to the manufacturing of ENERGY STAR qualified commercial hot food holding cabinets. The ENERGY STAR Partner must adhere to the following program requirements:

- comply with current ENERGY STAR Eligibility Criteria, defining the performance criteria that must be met for use of the ENERGY STAR certification mark on commercial hot food holding cabinets and specifying the testing criteria for commercial hot food holding cabinets. EPA may, at its discretion, conduct tests on products that are referred to as ENERGY STAR qualified. These products may be obtained on the open market, or voluntarily supplied by Partner at EPA's request;
- comply with current ENERGY STAR Logo Use Guidelines, describing how the ENERGY STAR labels and name may be used. Partner is responsible for adhering to these guidelines and for ensuring that its authorized representatives, such as advertising agencies, dealers, and distributors, are also in compliance;
- qualify at least one ENERGY STAR qualified commercial hot food holding cabinet model within one year of activating the commercial hot food holding cabinets portion of the agreement. When Partner qualifies the product, it must meet the specification (e.g., Tier 1 or 2) in effect at that time;
- provide clear and consistent labeling of ENERGY STAR qualified commercial hot food holding cabinets. The ENERGY STAR label must be clearly displayed on the front/inside of the product, on the product packaging, in product literature (i.e., user manuals, spec sheets, etc.), and on the manufacturer's Internet site where information about ENERGY STAR qualified models is displayed;

**Note:** EPA requires the labeling of all ENERGY STAR qualified products according to one or more of the following options, depending on product design and visibility at both the time of sale and over the use of the product: on the product; in product literature; and on the manufacturer's Internet site. The ENERGY STAR label is well known by consumers and large purchasers as the symbol for energy efficiency. The ENERGY STAR logo should be placed in an area of high visibility, preferably on front of the product, so that the purchaser and end users can see that by purchasing and using an ENERGY STAR qualified commercial hot food holding cabinet, they are helping to reduce air pollution and greenhouse gases through energy efficiency. EPA is open to discussing additional placement options.

- provide to EPA, on an annual basis, an updated list of ENERGY STAR qualifying commercial hot food holding cabinet models. Once the Partner submits its first list of ENERGY STAR qualified commercial hot food holding cabinet models, the Partner will be listed as an ENERGY STAR Partner. Partner must provide annual updates in order to remain on the list of participating product manufacturers;
- provide to EPA, on an annual basis, unit shipment data or other market indicators to assist in

determining the market penetration of ENERGY STAR. Specifically, Partner must submit the total number of ENERGY STAR qualified commercial hot food holding cabinets shipped (in units by model) or an equivalent measurement as agreed to in advance by EPA and Partner. Partner is also encouraged to provide ENERGY STAR qualified unit shipment data segmented by meaningful product characteristics (e.g., capacity, size, speed, or other as relevant), total unit shipments for each model in its product line, and percent of total unit shipments that qualify as ENERGY STAR. The data for each calendar year should be submitted to EPA, preferably in electronic format, no later than the following March and may be provided directly from the Partner or through a third party. The data will be used by EPA only for program evaluation purposes and will be closely controlled. If requested under the Freedom of Information Act (FOIA), EPA will argue that the data is exempt. Any information used will be masked by EPA so as to protect the confidentiality of the Partner;

**Note:** As noted above, EPA is willing to work through a third party, such as the North American Association of Food Equipment Manufacturers (NAFEM), to obtain commercial hot food holding equipment shipment data. This data may be masked and provided in an aggregate form so as not to be able to identify specific manufacturer data. This data is being collected as a tool to gauge the penetration of ENERGY STAR qualified products in the marketplace and to determine if changes to the program would yield increased penetration of efficient products.

- notify EPA of a change in the designated responsible party or contacts for commercial hot food holding cabinets within 30 days.

### **Performance for Special Distinction**

In order to receive additional recognition and/or support from EPA for its efforts within the Partnership, the ENERGY STAR Partner may consider the following voluntary measures and should keep EPA informed on the progress of these efforts:

- consider energy efficiency improvements in company facilities and pursue the ENERGY STAR label for buildings;
- purchase ENERGY STAR qualified products. Revise the company purchasing or procurement specifications to include ENERGY STAR. Provide procurement officials' contact information to EPA for periodic updates and coordination. Circulate general ENERGY STAR qualified product information to employees for use when purchasing products for their homes;
- ensure the power management feature is enabled on all ENERGY STAR qualified monitors in use in company facilities, particularly upon installation and after service is performed;
- provide general information about the ENERGY STAR program to employees whose jobs are relevant to the development, marketing, sales, and service of current ENERGY STAR qualified product models;
- feature the ENERGY STAR label(s) on Partner Web site and in other promotional materials. If information concerning ENERGY STAR is provided on the Partner Web site as specified by the ENERGY STAR Web Linking Policy (this document can be found in the Partner Resources section on the ENERGY STAR Web site at [www.energystar.gov](http://www.energystar.gov)), EPA may provide links where appropriate to the Partner Web site;
- provide a simple plan to EPA outlining specific measures Partner plans to undertake beyond the program requirements listed above. By doing so, EPA may be able to coordinate, communicate, and/or promote Partner's activities, provide an EPA representative, or include news about the event in the ENERGY STAR newsletter, on the ENERGY STAR Web pages, etc. The plan may be as simple as providing a list of planned activities or planned milestones that Partner would like EPA to be aware of. For example, activities may include: (1) increase the availability of ENERGY

STAR qualified products by converting the entire product line within two years to meet ENERGY STAR guidelines; (2) demonstrate the economic and environmental benefits of energy efficiency through special in-store displays twice a year; (3) provide information to users (via the Web site and user's manual) about energy-saving features and operating characteristics of ENERGY STAR qualified products, and (4) build awareness of the ENERGY STAR Partnership and brand identity by collaborating with EPA on one print advertorial and one live press event;

- provide quarterly, written updates to EPA as to the efforts undertaken by Partner to increase availability of ENERGY STAR qualified products, and to promote awareness of ENERGY STAR and its message.



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## Eligibility Criteria DRAFT 1

Below is the **DRAFT 1** product specification (Version 1.0) for ENERGY STAR qualified commercial hot food holding cabinets. A product must meet all of the identified criteria if it is to be labeled as ENERGY STAR by its manufacturer.

- 1) **Definitions:** Below is a brief description of a commercial hot food holding cabinet and other terms as relevant to ENERGY STAR.
  - A. **Commercial Hot Food Holding Cabinet:** An appliance that is designed to hold hot food at a specified temperature, which has been cooked using a separate appliance.
  - B. **Idle Energy Rate—Dry:** The rate of appliance energy consumption while it is maintaining or holding at the control set point, without using a humidity-generating device (if applicable). For purposes of this specification, idle energy rate is measured in watts.
- 2) **Qualifying Products:** Any commercial hot food holding cabinet that meets the definition in Section 1A is eligible for the ENERGY STAR.
- 3) **Energy-Efficiency Specifications for Qualifying Products:** Only those products listed in Section 2 that meet the following criteria may qualify as ENERGY STAR:

Idle Energy Rate Requirements for Hot Food Holding Cabinets*	
Full-Size Cabinet	≤ 800 watts
Three-Quarter Size Cabinet	≤ 650 watts
Half-Size Cabinet	≤ 450 watts

\*Based on the idle energy rate—dry test in ASTM F2140-01.

**Note:** The idle rates for the smaller-sized cabinets (e.g., ½ and ¾) are not directly proportional to the normal (full) cabinet size; therefore, a simple normalizing equation could not be applied. The levels presented above for the ½ and ¾ sized cabinets are based on limited data points and discussions with industry. EPA is interested in collecting additional energy consumption data from manufacturers and other interested parties to determine if this specification is feasible and justified based on the above criteria.

**Note:** The Federal Energy Management's (FEMP) requires a minimum idle energy rate for full-size cabinets only; however, it is EPA's preference to offer all models within a particular product category the opportunity to qualify as ENERGY STAR. As a result, performance levels are included for ½ and ¾ size cabinets, as well. Members of industry are encouraged to comment on whether or not these performance levels are feasible and encourage energy efficiency in the marketplace.

Please note that the primary objective of ENERGY STAR is to recognize the most energy-efficient products in the market through the use of the ENERGY STAR label. In developing a specification, EPA considers the following criteria:

- Significant energy savings can be realized on a national basis
- Product performance is maintained or enhanced with increased efficiency
- Energy-efficient purchase will be cost effective
- Energy efficiency can be achieved through several technology options; at least one of which is non-proprietary
- Product energy consumption and performance can be measured and verified with testing
- Labeling would effectively differentiate products and be visible for purchasers

It is not EPA's intention to design a specification that will allow every model to qualify for the label. Based on preliminary data provided by the Food Service Technology Center (FSTC), It is estimated that this specification level captures approximately 35% of the hot food holding cabinet installed base (e.g., all insulated units).

- 4) Test Criteria: Manufacturers are required to perform tests and self-certify those product models that meet the ENERGY STAR guidelines. The test results must be reported to EPA using the Commercial Hot Food Holding Cabinet Qualifying Product Information Form.

In performing these tests, partner agrees to measure a model's energy-efficiency using ASTM Standard F2140-01, *Test Method for the Performance of Hot Food Holding Cabinets*.

- 5) Effective Date: The date that manufacturers may begin to qualify products as ENERGY STAR will be defined as the *effective date* of the agreement. The ENERGY STAR Specification for Commercial Hot Food Holding Cabinets is effective **TBD**.

**Note to Industry:** EPA hopes to announce an ENERGY STAR Specification for Commercial Hot Food Holding Cabinets in partnership with industry at the NAFEM show in September, 2003. EPA is interested in obtaining feedback on this as well as an appropriate effective date that would allow for ENERGY STAR qualified and labeled products to be available at the time of the announcement.

- 6) Future Specification Revisions: ENERGY STAR reserves the right to change the specification should technological and/or market changes affect its usefulness to consumers, industry, or the environment. In keeping with current policy, revisions to the specification are arrived at through industry discussions. **Please note that ENERGY STAR qualification is not automatically granted for the life of the product model.** To carry the ENERGY STAR label, a product model must meet the ENERGY STAR specification in effect on the model's date of manufacture.