



# ENERGY STAR® Program Requirements

## Partner Commitments

### Commitment

The following are the terms of the ENERGY STAR Partnership Agreement as it pertains to the manufacturing of ENERGY STAR qualified bottled water coolers. 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 bottled water coolers and specifying the testing criteria for bottled water coolers. 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 Identity Guidelines, describing how the ENERGY STAR marks 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 bottled water cooler model within one year of activating the bottled water coolers 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 bottled water coolers. The ENERGY STAR mark must be clearly displayed on the top/front of the product, 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. It is also recommended that the mark appear on the product packaging;
- provide to EPA, on an annual basis, an updated list of ENERGY STAR qualifying bottled water cooler models. Once the Partner submits its first list of ENERGY STAR qualified bottled water cooler 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 bottled water coolers 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;
- notify EPA of a change in the designated responsible party or contacts for bottled water coolers 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 mark 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 mark(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.



# ENERGY STAR<sup>®</sup> Program Requirements for Bottled Water Coolers

## Eligibility Criteria

Below is the Version 1.1 product specification for ENERGY STAR qualified bottled water coolers. A product must meet all of the identified criteria to qualify as ENERGY STAR by its manufacturer.

- 1) **Definitions:** Below is a brief description of a bottled water cooler and common energy consumption characteristics relevant to ENERGY STAR. The ENERGY STAR specification focuses on reducing standby energy consumption.
  - A. **Bottled Water Cooler:** A freestanding device that consumes energy and dispenses water from removable 4- to 5-gallon plastic bottles commonly positioned on top of the unit.
  - B. **Compartment-Type Bottled Water Cooler:** A bottled water cooler which, in addition to the primary function of cooling and dispensing potable water, includes a refrigerated compartment with or without provisions for making ice.
  - C. **Standby Energy Consumption:** The required energy to maintain cold and/or hot water at appropriate dispensing temperatures.
- 2) **Qualifying Products:** For the purposes of ENERGY STAR, bottled water coolers include the following:
  - A. **Cold Only Bottled Units:** These units dispense either cold water only, or both cold and room-temperature water.
  - B. **Hot and Cold Bottled Units:** These units dispense both hot and cold water. Some units may have a third room-temperature tap. Units have an electric resistance heater and a refrigeration cycle.
  - C. **Cook and Cold Bottled Units:** These units dispense both cold and room-temperature water.
- 3) **Energy-Efficiency Specifications for Qualifying Products:** Only those products listed in Section 2 that meet the criteria outlined in Table 1 below may qualify as ENERGY STAR.

**Table 1: Energy-Efficiency Criteria for ENERGY STAR Qualified Bottled Water Coolers**

Product Category	Energy Use Under Test Conditions
cold only and cook and cold bottled units	$\leq 0.16$ kW-hours/day
hot and cold bottled units	$\leq 1.20$ kW-hours/day

- 4) **Test Criteria:** Test conditions are described below. Tests will focus on overall standby losses and water will not be withdrawn during the testing procedure.
  - A. **Power Measurement:** Energy use shall be measured as the total true power (kilowatt-hours)

consumed in one 24-hour period.

B. Starting Conditions: Before starting the energy measurements, the unit should be at operating conditions, with water temperatures as defined in item (F) below.

C. Water Withdrawal: No water may be withdrawn from the unit during the test.

D. Timer Usage: If the unit has an integral, automatic timer, the timer can be set to turn off the unit for not more than 10 hours in the 24-hour test period. The unit must operate for the last 2 hours of the 24-hour test to ensure that it fully warms up or cools down after the shut-off period.

E. Ambient Temperature: Ambient air and water temperature must be  $75^{\circ} \pm 2^{\circ}\text{F}$ .

F. Dispensed Water Temperatures: Cold water temperature shall not exceed  $50^{\circ}\text{F}$  and hot water temperature shall be at least  $165^{\circ}\text{F}$ . These temperatures shall be measured before conducting the standby energy use test described in this specification when the respective function, compressor, or heating element turns on.

G. Cooler Location: The unit must be no more than 6 inches from a wall at least 7 feet high and extending horizontally at least 2 feet from each side of the unit.

H. Airflow: Airflow around the unit must be natural; no artificial means of increasing the airflow are permitted. Airflow created by components integral to the unit itself, such as internal fans, are permitted.

I. Compartment Temperature: If the unit being tested is a compartment-type bottled water cooler, during the test, there shall be no melting of ice, nor shall the average temperature exceed  $46.0^{\circ}\text{F}$  [ $7.8^{\circ}\text{C}$ ] in the refrigerated compartment<sup>1</sup>.

- 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 Bottled Water Cooler (Version 1.1) specification is effective immediately.
- 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.

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<sup>1</sup> ARI 2002 Standard 1010 for Self-Contained Mechanically-Refrigerated Drinking-Water Coolers