

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
AIR AND RADIATION

August 31, 2006

Dear Refrigerated Beverage Vending Machine Manufacturers and Other Interested Parties:

The U.S. Environmental Protection Agency (EPA) is pleased to provide you with the Final ENERGY STAR Version 2.0 Refrigerated Beverage Vending Machine specification. The attached specification outlines the energy efficiency performance, testing, and labeling requirements that qualifying new and rebuilt vending machines must meet in order to earn the ENERGY STAR. **The new Version 2.0 specification will go into effect for rebuilt machines starting today, August 31, 2006.** This version also includes a revision to the Tier II effective date for all ENERGY STAR qualified refrigerated beverage vending machines. The new Tier II effective date is July 1, 2007.

The following changes were made to the specification under Section 3B Low Power Mode prior to finalizing the document. These changes apply to both new and rebuilt ENERGY STAR qualified machines:

- **Low Power Mode Options.** EPA received a number of concerns from stakeholders regarding the requirement that rebuilt machines enter both lighting and refrigeration low power states. Although all new machines, ENERGY STAR and non-ENERGY STAR, come with these capabilities built-in, many of the older machines being rebuilt do not possess either of these capabilities. While it is important that these machines enter into some level of low power mode operation, EPA understands that there may not be one cost effective solution in the marketplace that will address both lighting and refrigeration. Therefore, EPA is allowing partners to choose 1 or more of the 3 low power modes listed in the specification to qualify machines under this requirement. EPA encourages new machine manufacturers to continue to include all of the low power mode options in equipment designs and partners that are rebuilding machines to seek out new technologies that might help to achieve this goal as well. A sentence to this effect has been added to Section 3B.
- **Average beverage temperature.** The previous version of the specification required that the average beverage temperature while in the refrigeration low power mode rise above 40°F. It was brought to EPA's attention that in some cases this temperature could require a machine to operate outside of equipment specifications. To ensure that the ENERGY STAR specification is in-line with these equipment specifications, EPA is now requiring that the average beverage temperature of the qualifying machine be allowed to rise to 40°F or higher for an extended period of time.
- **Implementation of Low Power Mode.** The sentence "Non-programmable software must be enabled prior to being placed on-site" has been removed. EPA's intention of including this statement was to ensure that the hard wired low power mode software or device actually operates when the machine is placed on-site. Although some controls are automatically enabled when the machines is plugged in, others are not. Concerns were raised that EPA should not dictate that all machines have their low power mode(s) enabled prior to being placed on-site, because each site has different usage patterns and will therefore, have varying low power mode requirements. The sentence was deleted, however, EPA encourages partners to train vending machine installers to

provide information to host sites on the low power mode capabilities of their machines so that these capabilities may be enabled as desired by the host site. A sentence to this effect has been added to Section 3B.

All performance, testing, reporting requirements, and effective dates remain unchanged from the Final Draft version. While EPA received some feedback that the Tier II effective date should be pushed back to January 1, 2008, EPA has decided to retain the date of July 1, 2007. This July date is 6 months later than the original Tier II date found in Version 1.0 and was changed in response to comments on earlier draft documents. We are confident that vending machine models will be available that meet Tier II by July 2007 and are aware of component suppliers gearing up to make more efficient components available.

Your valuable feedback throughout the development process has been integral to the creation of this specification. Please note that EPA considers this specification to be final and has no further plans to revise it at this time. All stakeholder correspondence and versions of the Draft specification can be viewed on the Revisions to Specifications Web page at: www.energystar.gov/productdevelopment. Provided below is some guidance for existing and potentially new ENERGY STAR partners who wish to participate in the program.

Existing ENERGY STAR Partners Who Wish to Qualify Rebuilt Machines

Existing partners who wish to continue their partnership in the ENERGY STAR Refrigerated Beverage Vending Machines and begin to qualify re-built vending machines, must acknowledge the new Version 2.0 specification by updating and submitting the attached Commitment Form. **As of today, August 31, 2006, the attached Version 2.0 Qualifying Product Information (QPI) form should be used to submit all new and rebuilt machine models for ENERGY STAR qualification.**

New ENERGY STAR Partners

Enclosed you will find a sample Partnership Agreement along with the Commitment Form and Version 2.0 QPI form. The Agreement includes the partner commitments and technical specification, and explains the requirements of both the ENERGY STAR partner and EPA. **If you would like a customized Partnership Agreement, please contact Jared Fish, ICF International, at (202) 862-1242 or jfish@icfi.com.** This Agreement only needs to be signed once; after that, you may expand your participation into other product areas, as appropriate, by submitting an updated Commitment Form. The QPI form should be completed for each refrigerated beverage vending machine model that you wish to qualify and can be sent along with the completed Partnership Agreement and Commitment Form. Please note that with regard to rebuilt machines, partners will be responsible for providing a separate QPI form for each model and rebuilding kit combination.

On behalf of EPA, I appreciate your participation in the development of this specification and look forward to working with each of you as you qualify and market your energy-efficient machines. If you have any questions or concerns please feel free to contact me at schmeltz.rachel@epa.gov or (202) 343-9124.

Regards,



Rachel Schmeltz
ENERGY STAR Program Manager
Refrigerated Beverage Vending Machines