

4:40 p.m.–5:40 p.m. EAC Storage Subcommittee Activities and Plans for 2013 and EAC Member Discussion
 5:40 p.m.–5:45 p.m. Wrap up Day One
 5:45 p.m. Adjourn Day One of March 2013 EAC Meeting

Tentative Agenda: March 7, 2013

8:00 a.m.–9:40 a.m. Post Hurricane Sandy: Lessons for Grid Resilience Panel and EAC Member Discussion
 9:40 a.m.–10:50 a.m. EAC Transmission Subcommittee Papers and Work Plan for 2013, EAC Member Discussion
 10:50 a.m.–11:00 a.m. Break
 11:00 a.m.–12:40 p.m. Customer Acceptance Issues for the Smart Grid Panel and EAC Member Discussion
 12:40 p.m.–2:00 p.m. Lunch (Local Restaurants)
 2:00 p.m.–3:10 p.m. EAC Smart Grid Subcommittee Paper and Work Plans for 2013, EAC Member Discussion
 3:10 p.m.–3:20 p.m. Status of June EAC Meeting—Webinar vs. In-Person
 3:20 p.m.–3:35 p.m. Public Comments (Must register to comment at time of check-in)
 3:35 p.m.–3:40 p.m. Wrap Up of March 2013 EAC Meeting
 3:40 p.m. Adjourn March 2013 EAC Meeting

The meeting agenda may change to accommodate EAC business. For EAC agenda updates, see the EAC Web site at: <http://energy.gov/oe/services/electricity-advisory-committee-eac>.

Public Participation: The EAC welcomes the attendance of the public at its meetings. Individuals who wish to offer public comments at the EAC meeting may do so on Thursday, March 7, 2013, but must register at the registration table in advance.

Approximately 15 minutes will be reserved for public comments. Time allotted per speaker will depend on the number who wish to speak but is not expected to exceed three minutes.

Anyone who is not able to attend the meeting, or for whom the allotted public comments time is insufficient to address pertinent issues with the EAC, is invited to send a written statement to Mr. Matthew Rosenbaum. You may submit comments, identified by “*Electricity Advisory Committee Open Meeting*”, by any of the following methods:

- **Mail/Hand Delivery/Courier:** Matthew Rosenbaum, Office of Electricity Delivery and Energy Reliability, U.S. Department of Energy, Forrestal Building, Room 8G–017, 1000 Independence Avenue SW., Washington, DC 20585.

- **Email:** matthew.rosenbaum@hq.doe.gov.

Include “Electricity Advisory Committee Open Meeting” in the subject line of the message.

- **Federal eRulemaking Portal:** <http://www.regulations.gov>. Follow the instructions for submitting comments. **Instructions:** All submissions received must include the agency name and identifier. All comments received will be posted without change to <http://energy.gov/oe/services/electricity-advisory-committee-eac>, including any personal information provided.

- **Docket:** For access to the docket, to read background documents or comments received, go to <http://energy.gov/oe/services/electricity-advisory-committee-eac>.

The following electronic file formats are acceptable: Microsoft Word (.doc), Corel Word Perfect (.wpd), Adobe Acrobat (.pdf), Rich Text Format (.rtf), plain text (.txt), Microsoft Excel (.xls), and Microsoft PowerPoint (.ppt). If you submit information that you believe to be exempt by law from public disclosure, you must submit one complete copy, as well as one copy from which the information claimed to be exempt by law from public disclosure has been deleted. You must also explain the reasons why you believe the deleted information is exempt from disclosure. DOE is responsible for the final determination concerning disclosure or nondisclosure of the information and for treating it in accordance with the DOE’s Freedom of Information regulations (10 CFR 1004.11).

Note: Delivery of the U.S. Postal Service mail to DOE may be delayed by several weeks due to security screening. DOE, therefore, encourages those wishing to comment to submit comments electronically by email. If comments are submitted by regular mail, the Department requests that they be accompanied by a CD or diskette containing electronic files of the submission.

Minutes: The minutes of the EAC meeting will be posted on the EAC Web page at <http://energy.gov/oe/services/electricity-advisory-committee-eac>. They can also be obtained by contacting Mr. Matthew Rosenbaum at the address above.

Issued in Washington, DC, on February 1, 2013.

LaTanya R. Butler,
Deputy Committee Management Officer.

[FR Doc. 2013–02764 Filed 2–6–13; 8:45 am]

BILLING CODE 6450–01–P

DEPARTMENT OF ENERGY

Office of Energy Efficiency and Renewable Energy

[Case No. DW–010]

Notice of Petition for Waiver of BSH Corporation From the Department of Energy Residential Dishwasher Test Procedure, and Grant of Interim Waiver

AGENCY: Office of Energy Efficiency and Renewable Energy, Department of Energy.

ACTION: Notice of petition for waiver, notice of grant of interim waiver, and request for comments.

SUMMARY: This notice announces receipt of and publishes the BSH Corporation (BSH) petition for waiver (hereafter, “petition”) from specified portions of the U.S. Department of Energy (DOE) test procedure for determining the energy consumption of dishwashers. Today’s notice also grants an interim waiver of the dishwasher test procedure. Through this notice, DOE also solicits comments with respect to the BSH petition.

DATES: DOE will accept comments, data, and information with respect to the BSH petition until March 11, 2013.

ADDRESSES: You may submit comments, identified by case number DW–010, by any of the following methods:

- **Federal eRulemaking Portal:** <http://www.regulations.gov>. Follow the instructions for submitting comments.

- **Email:** AS_Waiver_Requests@ee.doe.gov. Include “Case No. DW–010” in the subject line of the message.

- **Mail:** Ms. Brenda Edwards, U.S. Department of Energy, Building Technologies Program, Mailstop EE–2J, Petition for Waiver Case No. DW–010, 1000 Independence Avenue SW., Washington, DC 20585–0121. Telephone: (202) 586–2945. Please submit one signed original paper copy.

- **Hand Delivery/Courier:** Ms. Brenda Edwards, U.S. Department of Energy, Building Technologies Program, 950 L’Enfant Plaza SW., Suite 600, Washington, DC 20024. Please submit one signed original paper copy.

Docket: For access to the docket to review the background documents relevant to this matter, you may visit the U.S. Department of Energy, 950 L’Enfant Plaza SW., Washington, DC, 20024; (202) 586–2945, between 9:00 a.m. and 4:00 p.m., Monday through Friday, except Federal holidays. Available documents include the following items: (1) This notice; (2) public comments received; (3) the petition for waiver and

application for interim waiver; and (4) prior DOE waivers and rulemakings regarding similar dishwasher products. Please call Ms. Brenda Edwards at the above telephone number for additional information.

FOR FURTHER INFORMATION CONTACT: Mr. Bryan Berringer, U.S. Department of Energy, Building Technologies Program, Mail Stop EE-2J, Forrestal Building, 1000 Independence Avenue SW., Washington, DC 20585-0121. Telephone: (202) 586-0371. Email: Bryan.Berringer@ee.doe.gov

Ms. Elizabeth Kohl, U.S. Department of Energy, Office of the General Counsel, Mail Stop GC-71, Forrestal Building, 1000 Independence Avenue SW, Washington, DC 20585-0103. Telephone: (202) 586-7796. Email: Elizabeth.Kohl@hq.doe.gov.

SUPPLEMENTARY INFORMATION:

I. Background and Authority

Title III, Part B of the Energy Policy and Conservation Act of 1975 (EPCA), Public Law 94-163 (42 U.S.C. 6291-6309, as codified) established the Energy Conservation Program for Consumer Products Other Than Automobiles, a program covering most major household appliances, which includes dishwashers.¹ Part B includes definitions, test procedures, labeling provisions, energy conservation standards, and the authority to require information and reports from manufacturers. Further, Part B authorizes the Secretary of Energy to prescribe test procedures that are reasonably designed to produce results which measure energy efficiency, energy use, or estimated operating costs, and that are not unduly burdensome to conduct. (42 U.S.C. 6293(b)(3)) The test procedure for dishwashers is contained in 10 CFR part 430, subpart B, appendix C.

The regulations set forth in 10 CFR 430.27 contain provisions that enable a person to seek a waiver from the test procedure requirements for covered consumer products. A waiver will be granted by the Assistant Secretary for Energy Efficiency and Renewable Energy (the Assistant Secretary) if it is determined that the basic model for which the petition for waiver was submitted contains one or more design characteristics that prevents testing of the basic model according to the prescribed test procedures, or if the prescribed test procedures may evaluate the basic model in a manner so unrepresentative of its true energy

consumption characteristics as to provide materially inaccurate comparative data. 10 CFR 430.27(l). Petitioners must include in their petition any alternate test procedures known to the petitioner to evaluate the basic model in a manner representative of its energy consumption. The Assistant Secretary may grant the waiver subject to conditions, including adherence to alternate test procedures. 10 CFR 430.27(l). Waivers remain in effect pursuant to the provisions of 10 CFR 430.27(m).

The waiver process also allows the Assistant Secretary to grant an interim waiver from test procedure requirements to manufacturers that have petitioned DOE for a waiver of such prescribed test procedures. 10 CFR 430.27(a)(2) An interim waiver must be granted if it is determined that the applicant will experience economic hardship if the application for interim waiver is denied, if it appears likely that the petition for waiver will be granted, and/or the Assistant Secretary determines that it would be desirable for public policy reasons to grant immediate relief pending a determination of the petition for waiver. (10 CFR 430.27(g)) An interim waiver remains in effect for 180 days or until DOE issues its determination on the petition for waiver, whichever is sooner. DOE may extend an interim waiver for an additional 180 days. 10 CFR 430.27(h)

II. Application for Interim Waiver and Petition for Waiver

On January 21, 2013, BSH submitted the petition for waiver and interim waiver from the test procedure applicable to dishwashers set forth in 10 CFR part 430, subpart B, appendix C. In every respect except the introduction of new model numbers, the petition is identical to petitions submitted by BSH on February 4, 2011, December 7, 2011 and March 27, 2012. DOE granted the February 4th petition on June 29, 2011 (76 FR 38144), the December 7th and March 27th petitions on October 1, 2012 (77 FR 59916 and 77 FR 59918 respectively), and the November 30th petition on December 31, 2012 (77 FR 77064).

BSH states that "hard" water can reduce customer satisfaction with dishwasher performance resulting in increased pre-rinsing and/or hand washing as well as increased detergent and rinse agent usage. According to BSH, a dishwasher equipped with a water softener will minimize pre-rinsing and rewashing, and consumers will have less reason to periodically run their dishwasher through a clean-up

cycle. BSH also states that the amount of water consumed by the regeneration operation of a water softener in a dishwasher is very small, but that it varies significantly depending on the adjustment of the softener. The regeneration operation takes place infrequently, and the frequency is related to the level of water hardness.

In its petition, BSH requests that constant values of 47.6 gallons per year for water consumption and 8.0 kWh per year for energy consumption be used to estimate the water and energy consumption resulting from water softener regeneration. BSH included calculations showing this water and energy use, which was derived using the same method as that used by Whirlpool in its petition for waiver, which was granted by DOE. (75 FR 62127, Oct. 7, 2010).

DOE has determined that BSH's application for interim waiver does not provide sufficient market, equipment price, shipments, and other manufacturer impact information to permit DOE to evaluate the economic hardship BSH might experience absent a favorable determination on its application for interim waiver. DOE has also determined, however, that it is likely BSH's petition will be granted, and that it is desirable for public policy reasons to grant BSH relief pending a determination on the petition. Based on the information provided by BSH and Whirlpool, use of the DOE test procedure may provide materially inaccurate comparative data. In addition, the constant values submitted by BSH provide a reasonable estimate of the energy and water used during water softener regeneration for the basic model set forth in this petition and BSH's previous petition.

Based on these considerations, and the waivers granted to BSH and Whirlpool for similar models, it appears likely that the petition for waiver will be granted. DOE also believes that the energy efficiency of similar products should be tested and rated in the same manner. As a result, DOE grants BSH's application for interim waiver for the basic models of dishwashers specified in its petition for waiver, pursuant to 10 CFR 430.27(g). Therefore, *it is ordered that:*

The application for interim waiver filed by BSH is hereby granted for the specified BSH dishwasher basic models, subject to the specifications and conditions below.

BSH shall be required to test and rate the specified dishwasher products according to the alternate test procedure as set forth in section III, "Alternate Test Procedure."

¹ For editorial reasons, upon codification in the U.S. Code, Part B was re-designated Part A.

The interim waiver applies to the following basic model groups:

Bosch brand:

- Basic Model—SHE43T5###
- Basic Model—SHX43T5###
- Basic Model—SHE33T5###

Kenmore brand:

- Basic Model—S38KML4###
- Basic Model—S48KML2###
- Basic Model—S48KML3###
- Basic Model—S38KML5###
- Basic Model—S37KMK2###

Gaggenau brand:

- Basic Model—DF261761
- Basic Model—DF260761

DOE makes decisions on waivers and interim waivers for only those models specifically set out in the petition, not future models that may be manufactured by the petitioner. BSH may submit a subsequent petition for waiver and request for grant of interim waiver, as appropriate, for additional models of clothes washers for which it seeks a waiver from the DOE test procedure. In addition, DOE notes that grant of an interim waiver or waiver does not release a petitioner from the certification requirements set forth at 10 CFR part 429.

III. Alternate Test Procedure

EPCA requires that manufacturers use DOE test procedures to make representations about the energy consumption and energy consumption costs of products covered by the statute. (42 U.S.C. 6293(c)) Consistent representations are important for manufacturers to use in making representations about the energy efficiency of their products and to demonstrate compliance with applicable DOE energy conservation standards. Pursuant to its regulations applicable to waivers and interim waivers from the relevant test procedures, set forth at 10 CFR 430.27, DOE will consider setting an alternate test procedure for BSH in a subsequent Decision and Order.

During the period of the interim waiver granted in this notice, BSH shall test its dishwasher basic models according to the existing DOE test procedure at 10 CFR part 430, subpart B, appendix C with the modification set forth below.

Under appendix C, the water energy consumption, W or W_g , is calculated based on the water consumption as set forth in Sect. 4.3:

§ 4.3 *Water consumption*. Measure the water consumption, V , expressed as the number of gallons of water delivered to the machine during the entire test cycle, using a water meter as specified in section 3.3 of this Appendix.

Where the regeneration of the water softener depends on demand and water

hardness, and does not take place on every cycle, BSH shall measure the water consumption of dishwashers having water softeners without including the water consumed by the dishwasher during softener regeneration. If a regeneration operation takes place within the test, the water consumed by the regeneration operation shall be disregarded when declaring water and energy consumption. Constant values of 47.6 gallons/year of water and 8 kWh/year of energy shall be added to the values measured by appendix C.

Please note that on October 31, 2012, DOE published a test procedure final rule (77 FR 65941) to include measures of energy and water consumption due to periodic water softener regeneration. The rule is effective on December 17, 2012 and requires compliance on or after May 13, 2013. Products tested on or after May 13, 2013, must be tested with the new DOE test procedure.

IV. Summary and Request for Comments

Through today's notice, DOE announces receipt of BSH's petition for waiver from certain parts of the test procedure that apply to dishwashers and grants an interim waiver. DOE is publishing BSH's petition for waiver in its entirety. The petition contains no confidential information. The petition includes a suggested alternate test procedure, in which the reported energy and water consumption would include an estimate of the energy and water consumption of dishwashers with water softeners during softener regeneration.

DOE solicits comments from interested parties on all aspects of the petition. Any person submitting written comments to DOE must also send a copy of such comments to the petitioner.

The contact information for the petitioner is Mike Edwards, Senior Engineer, Performance and Consumption, BSH Home Appliances Corporation (FNbG), 100 Bosch Blvd., Building 102, New Bern, NC 28562-6924. All submissions received must include the agency name and case number for this proceeding. Submit electronic comments in WordPerfect, Microsoft Word, Portable Document Format (PDF), or text (American Standard Code for Information Interchange (ASCII)) file format and avoid the use of special characters or any form of encryption. Wherever possible, include the electronic signature of the author. DOE does not accept telefacsimiles (faxes).

Issued in Washington, DC, on February 1, 2013.

Kathleen B. Hogan,

Deputy Assistant Secretary for Energy Efficiency, Energy Efficiency and Renewable Energy.

January 21, 2013

Dr. David T. Danielson

Assistant Secretary, Energy Efficiency & Renewable Energy

U.S. Department of Energy

Mail Station EE-1

1000 Independence Avenue SW.,

Washington, DC 20585

David.Danielson@ee.doe.gov

Via email (*David.Danielson@ee.doe.gov*) and overnight mail

Re: Petition for Waiver and Application for Interim Waiver concerning the measurement of water and energy used in the water softening regeneration process of Dishwasher having an Integrated Water Softener

Dear Assistant Secretary Danielson:

BSH Home Appliance Corporation ("BSH") hereby submits this Petition for Waiver and Application for Interim Waiver pursuant to 10 CFR 430.27, concerning the test procedure for measuring energy consumption of Dishwashers.

BSH is the manufacturer of household appliances bearing the brand names of Bosch, Thermador, and Gaggenau. Its appliances include dishwashers, washing machines, clothes dryers, refrigerator-freezers, ovens, and microwave ovens, and are sold worldwide, including in the United States. BSH's United States operations are headquartered in Irvine, California.

10 CFR 430.27(a)(1) provides that any interested person may submit a petition to waive for a particular basic model any requirement of Section 430.23, or of any appendix to this subpart, upon grounds that the basic model contains one or more design characteristics which either prevent testing of the basic model according to the prescribed test procedures, or the prescribed test procedures may evaluate the basic model in a manner so unrepresentative of its true energy consumption characteristics, or water consumption characteristics as to provide materially inaccurate comparative data. Additionally, 10 CFR 430.27(b)(2) allows any applicant of a Petition for Waiver to also request an Interim Waiver if it can be demonstrated the likely success of the Petition for Waiver, while addressing the economic hardship and/or competitive disadvantage that is likely to result absent a favorable determination on the Application for Interim Waiver.

This request for Waiver is directed to Dishwashers containing a built-in or integrated water softener, specifically addressing the energy and water used in the regeneration process of the integrated water softener. This request is similar to several previously approved waivers (such as Waiver Case Number DW-005). Further, the water softening technology used in these models is identical to the models that were previously approved.

Based on the reasoning indicated herein, BSH submits that the testing of Dishwashers

equipped with a water softener under the current DOE test procedure may lead to information that could be considered misleading to consumers.

1. Identification of Basic Models

The Dishwasher models manufactured by BSH which contain an integrated water softener and were not included in previous Waiver applications is as follows:

Bosch brand:

- Basic Model—SHE43T5###
- Basic Model—SHX43T5###
- Basic Model—SHE33T5###

Kenmore brand:

- Basic Model—S38KML4###
- Basic Model—S48KML2###
- Basic Model—S48KML3###
- Basic Model—S38KML5###
- Basic Model—S37KMK2###

Gaggenau brand:

- Basic Model—DF261761
- Basic Model—DF260761

2. Background

The design characteristic that is unique among the above listed models is an integrated water softener. The primary function of a water softener is to reduce the high mineral content of “hard” water. Hard water reduces the effectiveness of detergents leading to additional detergent usage. Hard water also causes increased water spots on dishware, resulting in the need to use more rinse aid to counterbalance this effect. “Hard” water can reduce customer satisfaction with Dishwasher performance resulting in increased pre-rinsing and/or hand washing as well as increased detergent and rinse agent usage.

The water softening process requires water usage for both the regeneration process and to flush the system. For purposes of this Waiver request, the term “regeneration” will include the water and energy used in both the flushing and regeneration process of the water softener. The water used in the regeneration process is in addition to the water used in the dish washing process. The water used in the regeneration process does not occur with each use of the Dishwasher. The frequency of the regeneration process is dependent upon an adjustable water softener setting that is controlled by the end user, and based on the home water hardness. Regeneration frequency will vary greatly depending upon the customer setting of the water softener. Data from the U.S. Geological Survey shows considerable variation in the water hardness within the U.S. and for many locations the use of a water softener is not necessary. Water hardness varies throughout the U.S. with the mean hardness of 217 mg/liter or 12.6 grains/gallon (based on information provided by the U.S. Geological Survey located at <http://water.usgs.gov/owq/hardness-alkalinity.html>).

Calculations

Water Use

- Based on the DOE Energy Test for Dishwashers, the BSH Dishwashers listed in this waiver with an internal water softener use an average of approximately 9 liters of water per dish cleaning cycle.
- Based on an average U.S. water hardness of 12.6 grains/gallon, the internal BSH

Dishwasher water softener system would be set on “3”.

- Based on a BSH Dishwasher internal water softening system setting of “3” and the dishwasher using 9 liters of water per run, the water regeneration process would occur every 6th cycle.

- When using the Dishwasher 215 times per year (per DOE test procedure), the regeneration process would occur 35.8 times (36).

- The internal BSH water softening system uses approximately 5.0 per regeneration cycle.

- Water usage calculation based on above data.
 - $36 \times 5 = 180$ liters per year (47.6 gallons) or .84 liters (.22 gallons) each time the dishwasher is used.

Energy Used in kWh

- Formula $W = V \times T \times K$
- $V = \text{Weighted Average Water Usage per DOE}$
- $T = \text{Nominal water heater temperature rise of } 39^\circ\text{C}$
- $K = \text{Specific heat of water } 0.00115$
- Calculated Energy use— $180 \times 39 \times .00115 = 8.0 \text{ kWh/yr}$

Summary

- A Dishwasher built by BSH with an integrated water softener in a home with a 12.6 grain per gallon water hardness would be cycled through the water softening regeneration process approximately every 6 dish cleaning cycles. When the water used in the water softener regeneration process is apportioned evenly over all dishwasher runs, the amount of energy and water usage per cycle is very low. Based on the assumptions provided, BSH estimates the typical water used in the internal Dishwasher water softener regeneration process at .84 liters (.22 gallons) per use; furthermore, using about 8.0 kWh per year to heat this water in the home hot water heater.

3. Requirements Sought To Be Waived

Dishwashers are subjected to test methods outlined in 10 CFR Part 430, Subpart B, App. C, Section 4.3, which specifies the method for the water energy calculation.

- BSH is requesting approval to estimate the water and energy used in the water softening process based on the design of the BSH Dishwasher and the calculations and assumptions outlined above.

4. Grounds for Waiver and Interim Waiver

10 CFR 430.27(a)(1) provides that a Petition to waive a requirement of 430.23 may be submitted upon grounds that the basic model contains one or more design characteristics which either prevent testing of the basic model according to the prescribed test procedures, or the prescribed test procedures may evaluate the basic model in a manner so unrepresentative of its true energy consumption characteristics as to provide materially inaccurate comparative data.

If a water softener regeneration process was to occur while running an energy test, the water usage would be overstated. In this case, the water energy usage would be unrepresentative of the product providing

inaccurate data resulting in a competitive disadvantage to BSH.

Granting of an Interim Waiver in this case is justified since the prescribed test procedures would potentially evaluate the basic model in a manner so unrepresentative of its true energy consumption characteristics as to provide materially inaccurate comparative data. In addition, a similar Interim Waiver and Waiver have previously been granted to BSH.

5. Manufacturers of Similar Products and Affected Manufacturers

Web based research shows that at least two other manufacturers are currently selling dishwashers with an integrated water softener, Miele Inc. and Whirlpool Corporation (Waiver Granted).

Manufacturers selling dishwashers in the United States include AGA Marvel, Arcelik A.S., ASKO Appliances, Inc., Electrolux North America, Inc., Fagor America, Inc., Fisher & Paykel Appliances, GE Appliances and Lighting, Haier America, Indesit Company Sa, Teka USA, Inc., LG Electronics USA, Miele, Inc., Samsung Electronics Co., Viking Range Corporation and Whirlpool Corporation.

BSH will notify all companies listed above (as well as AHAM), as required by the Department's rules, providing them with a copy of this Petition for Waiver and Interim Waiver.

6. Conclusion

BSH Home Appliances Corporation hereby requests approval of the Waiver petition and Interim Waiver. By granting said Waivers the Department of Energy will further ensure that water energy is measured in the same way by all Dishwasher Manufacturer's that have an integrated water softener. Further, BSH would request that these Waivers be in good standing until such time that the test procedure can be formally modified to account for integrated water softeners.

BSH Home Appliances certifies that all manufacturers of domestic Dishwashers as listed above have been notified by letter.

With Best Regards,
Mike Edwards
Senior Engineer, Performance and Consumption

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DEPARTMENT OF ENERGY

Office of Energy Efficiency and Renewable Energy

Request for Information (RFI) for Commercial Building Energy Asset Score

AGENCY: Office of Energy Efficiency and Renewable Energy, Department of Energy.