



Department of Energy
Washington, DC 20585

WEATHERIZATION PROGRAM NOTICE 16-7
EFFECTIVE DATE: June 3, 2016

SUBJECT: Approved Weatherization Materials with Specifications

PURPOSE: The U.S. Department of Energy (DOE) is streamlining and consolidating active Weatherization Assistance Program (WAP) Guidance documents in order ease the burden on Grantees in implementing the WAP. As such, Grantees are better equipped to:

- 1) Determine and assess weatherization materials and related specifications that have been approved for use in the WAP by DOE for specific Grantees,
- 2) Follow the necessary requirements to request DOE approval of additional materials not currently on Appendix A or approved within another Grantee.

This Guidance only addresses materials approved outside of the rulemaking process; therefore, it only lists approved weatherization materials not included in the most recent official version of Appendix A. Since 1994, DOE has issued multiple notices related to weatherization materials approved for use within the Program. The most recent revision of Appendix A was published in the Federal Register with the 10 CFR 440 Final Rule, March 4, 1993. Weatherization Program Notice (WPN) 16-7 supersedes the following WPNs:

- WPN 94-5, Approval to Use Fluorescent Light Sources in the Weatherization Assistance Program
- WPN 94-6, Approval to Use Solar Water Heaters in the Weatherization Assistance Program
- WPN 97-6, Approval of Wet-Spray Cellulose Insulation as an Allowable Weatherization Material
- WPN 00-5, Approval of Replacement Refrigerators and Electric Water Heaters as Allowable Weatherization Measures, and
- WPN 01-11, Revised Appendix A

Grantees should note, this Guidance only applies to *weatherization* materials. There is no requirement for DOE approval and listing of ancillary materials, incidental repair materials, or health and safety materials. The criteria and process for approval of a renewable energy system is stated in 10 CFR 440.21(c).

SCOPE: The provisions of this guidance apply to Grantees applying for financial assistance under the DOE WAP.

LEGAL AUTHORITY: Title IV, Energy Conservation and Production Act, as amended, authorizes the DOE to administer WAP (42 U.S.C. § 6861, et. Seq.). All grant awards made under this Program shall comply with applicable laws and regulations including the regulations contained in 10 CFR Part 440.

BACKGROUND: The initial enabling legislation in 1976 authorizing the DOE WAP, Title IV, Energy Conservation and Production Act (ECPA), required DOE to prescribe by regulation standards for weatherization materials in 42 U.S.C. § 6863(b)(2)(A). That list of approved weatherization materials and standards is 10 CFR 440, Appendix A.

In addition, 42 U.S.C. § 6862(9)(J), ECPA stipulated that DOE may approve additional weatherization materials determined appropriate “by rule”, which meant only with a regulation change. This requirement was included in the Rules with the statement “Only weatherization materials which are listed in Appendix A to this part shall be purchased with funds provided under this part.” That statement is in 10 CFR 440.21(b).

In 1984, the Human Services Reauthorization Act (HSRA) amended 42 U.S.C. § 6862(9)(J) by removing the words “by rule” to allow DOE to approve additional weatherization materials without going through the rulemaking process. This was followed up in the final Rule dated 1/4/1985 by adding to the statement in 10 CFR 440.21(b) “except that DOE may approve an unlisted material upon application from any State.” The preamble of the 1/4/1985 final Rule provided clarification of the procedure intended for approving additional weatherization materials and made clear that such addition to an approved list outside rulemaking would not (and could not because it is part of the Rule) change Appendix A, but could provide an additional list of approved weatherization materials.

PROCEDURES: DOE has periodically approved the use of weatherization materials in WAP, as requested by Grantees.

Weatherization materials approved for use in the WAP, outside Appendix A

The following represents the list of weatherization materials approved by DOE for use in WAP, as requested by Grantees. Attachment 1 of this Notice outlines the specifications and initial dates of approval and the DOE minimum standards applicable to the material. The lists of weatherization materials previously approved for a Grantee outside Appendix A are for

information only; other Grantees desiring to use these materials in the WAP must follow the full approval application process outlined in this guidance.

- Wet Spray Applied Cellulose Thermal Insulation
- Refrigerators
- Replacement Electric Water Heaters
- Replacement Water Heaters
- Fluorescent Lamps and Fixtures
- LED Lamps and Fixtures
- Solar Water Heating Systems
- PV Panels and Modules

Process to include weatherization materials in WAP when not listed in Appendix A

The preamble to the 1/4/1985 final Rule, 10 CFR 440, outlines how a Grantee (historically referenced as “a State”) may request the use of a new weatherization material. The Grantee must:

- Submit the request in writing.
- Include documentation demonstrating the material’s cost effectiveness.
- Show the material’s position on the Grantee’s priority list (if any).
- Include information related to applicable standards.

A Grantee must begin the process by consulting with its assigned DOE PO. The request must include a reference to one or more Generally Accepted Standards of the Industry relevant to the proposed weatherization material. Additional information may be required (e.g., independent test and field data from a recognized independent testing laboratory in accordance with approved standard test method or certification procedure; documentation of review by government agencies, trade associations, national laboratories, or other organizations; documentation on potential energy conservation improvements to the WAP; demonstrated/projected cost effectiveness of material; capabilities of audit tool(s) to account for new material; etc.). However, the PO may also refer the Grantee to information and resources that may be of assistance.

DOE will notify the Grantee of its determination in writing. Upon approval, a Grantee should immediately provide a copy of the standards for materials to each Subgrantee. As needed, DOE will issue updated lists of materials for inclusion in the Program.

As a reminder, all weatherization materials must pass the DOE approved Grantee cost effectiveness process before installation

CONCLUSION: The last revision to Appendix A via the rulemaking process resulted in a Final Rule published March 4, 1993. Grantees should continue to consult <http://energy.gov/eere/wipo/weatherization-program-guidance> for the current weatherization materials listed in Appendix A.



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Attachment: Approved Weatherization Materials Not Listed in 10 CFR 440, Appendix A

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Attachment 1

Approved Weatherization Materials Not Listed in 10 CFR 440, Appendix A

Wet Spray Applied Cellulose Thermal Insulation (approved 10/22/1997, WPN 97-6)

Self-Supporting Spray Applied Cellulosic Insulation [ASTM C1149-11](#)

Fluorescent Lamps and Fixtures (approved 7/29/1994, WPN 94-5)

Compact fluorescent lamps [UL 542, Edition 9 \(2005\)](#);
[UL 1993, Edition 4 \(2012\)](#);
[Energy Star criterial for CFLs](#) – Lifetime Requirement.

Fluorescent lighting fixtures [UL 1598, Edition 3 \(2008\) \(R2012\)](#);
[NFPA 70-2014](#);
[Energy Star criterial for Light Fixtures](#) – Lifetime Requirement.

LED Lamps and Fixtures (first approved for OR 5/14/2014)

Portable Electric Luminaires [UL 153, Edition 13 \(3/3/2014\)](#)

Light Emitting Diode (LED) Equipment for Use in Lighting Products
[UL 8750, Edition 1 \(R3/3/2014\)](#)

Lamp holders [UL 496, Edition 13 \(R 11/25/2013\)](#)

Solar Water Heating Systems (7/29/1994, WPN 94-6)

Solar water heating systems including forced circulation, integral collector storage, thermosyphon and self-pumping systems
Certified per [SRCC OG300-2014-07](#).

PV Panels and Modules (first approved for CO 10/6/2015)

Flat-Plate Photovoltaic Modules and Panels
[UL 1703, Revision 9 \(11/18/2014\)](#)
[NFPA 70-2014, Solar PV Systems](#)

National Electric Code
Inverters & Utility Interface [IEEE 929 2000](#)

Refrigerators (approved 10/6/2000, WPN 00-5)

Refrigerator/freezers (does not include freezer-only units) [AHAM HRF-1-2008](#); [UL 250-1993\(R2013\)](#).
Replaced units must be disposed of properly per [Section 8, Clean Air Act 1990, as amended](#).

Replacement Electric Water Heaters (approved 10/6/2000, WPN 00-5)

Electric (resistance) storage tank water heaters
[10 CFR 430, Appendix E to Subpart B](#);
[UL 174, 11th Edition \(2004\)\(R2015\)](#).

Replacement Water Heaters (approved 4-11-2001, WPN 01-11)

Heat pump water heaters
[10 CFR 430, Appendix E to Subpart B](#);
[UL 1995, Edition 4 \(2014\)](#).

Gas fueled water heaters:
Rated ≤ 75 kBtu/hr
[ANSI Z21.10.1-2014/CSA 4.1-2014](#);
[10 CFR 430, Appendix E to Subpart B](#).
Rated > 75 kBtu/hr
[ANSI Z21.10.1-2014/CSA 4.3-2014](#);
[10 CFR 430, Appendix E to Subpart B](#).

Oil fueled water heaters
[UL 732, Edition 5 \(1995\) \(R2013\)](#)

Acronyms:

AHAM – Association of Home Appliance Manufacturers

ANSI – American National Standards Institute

ASTM – ASTM International (formerly American Society for Testing and Materials)

IEEE – Institute of Electrical and Electronics Engineers

NFPA – National Fire Protection Association

SRCC – Solar Rating and Certification Corporation

UL – UL (formerly Underwriters Laboratories)