

Massachusetts Appliance Efficiency Standards

Consumer Products



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Summary

On March 26, 2021, the Massachusetts legislature adopted an [Act Creating a Next-Generation Roadmap for Massachusetts Climate Policy](#). This policy established Appliance Energy and Water Efficiency Standards for the state. [The Massachusetts Department of Energy Resources \(DOER\)](#) is responsible for all aspects of these standards, including administering their development, implementation, compliance, and enforcement.

To comply with these standards, regulated products sold in Massachusetts must meet the specified performance, testing, marking, and certification requirements. Products that do not meet the minimum energy and water efficiency requirements cannot be shipped to, sold or installed in Massachusetts after **January 1, 2023**. Products sold or installed prior to **January 1, 2023** may be sold at resale.

Importance of Compliance

Benefits to Massachusetts Business and Consumers

Appliance efficiency standards contribute to reduced energy and water consumption, utility bill costs, greenhouse gas emissions, and other pollutants throughout Massachusetts. These standards ensure that businesses and consumers benefit from lower long-term product operating costs due to reduced energy and water use. For businesses, compliance with these standards can offer a competitive edge, appealing to eco-conscious consumers. These standards also protect consumers by helping remove inefficient products from the market. Compliance with these standards is crucial to achieve these benefits.

Risks of Noncompliance/Enforcement

A violation of these standards is a violation of state law. Any manufacturer, brand owner, distributor, dealer, retailer, installer, or contractor who sells or installs prohibited products in Massachusetts that violate this law may be subject to financial penalties and notice of non-compliance may be disclosed publicly.

Compliance Requirements

Roles and Responsibilities

The entire supply chain has responsibilities within the compliance process, including manufacturers, brand owners, distributors, dealers, retailers, installers, and contractors.

Manufacturers

Before selling or distributing consumer products, manufacturers and brand owners must ensure their products meet the efficiency, testing, labeling, and certification requirements.

Testing Requirements

Manufacturers and brand owners must test the products in accordance with the applicable test methods listed in

[225 CMR 9.03](#).

Labeling Requirements

Manufacturers and brand owners must mark, label, or tag the product and packaging with the manufacturer's name and brand name. This label must be on both the product or its packaging at the time of sale or installation. If a Proxy Standard¹ is listed in [225 CMR 9.03](#), using that Proxy Standard's label is enough to indicate compliance. For products without a Proxy Standard, manufacturers and brand owners must clearly label the specified efficiency (e.g., gpm, lm/W) on each product.

Certification Requirements

Manufacturers and brand owners of covered products will need to certify their products to the Northeast Energy Efficiency Partnership (NEEP) [State Appliance Standards Database \(SASD\)](#) or to the California Energy Commission's [Modernized Appliance Efficiency Database System \(MAEDbS\)](#) in order to be eligible for sale in the state. Certification to SASD may also help you comply with appliance standards in other states.

¹A required or voluntary energy or water efficiency standard set by an entity other than the Commonwealth of Massachusetts and listed in 225 CMR 9.03 including, but not limited to, voluntary Energy Star and WaterSense standards and required standards set forth in the California Code of Regulations, Code of Federal Regulations, or U.S. Code

Massachusetts Appliance Efficiency Standards

Appliance	Product Standard and Test Method	Certification Method
Computers and computer monitors	California Appliance Efficiency Regulations (Title 20) Section 1604(v)	CEC's MAEDbS
Electric vehicle supply equipment (EVSE)	ENERGY STAR Program Requirements Product Specification for EVSEs, Version 1.0	NEEP's SASD
High color rendering index (CRI) fluorescent lamps	10 CFR Part 430, Appendix R to Subpart B	NEEP's SASD
Plumbing fittings – lavatory faucets, residential kitchen faucets, replacement aerators, sprayheads, showerheads	10 CFR Part 430, Appendix S to Subpart B	NEEP's SASD
Plumbing fixtures – urinals and water closets other than those for prisons or mental health facilities	<ul style="list-style-type: none"> Water consumption test in 10 CFR Part 430, Appendix T Waste extraction test in section 7.9 of American Society of Mechanical Engineers (ASME) 112.19.2/ Canadian Standards Association (CSA) B45.1-2018 	NEEP's SASD
Portable electric spas	ANSI/APSP/ICC-14-2019	CEC's MAEDbS
Residential ventilating fans	ENERGY STAR Program Requirements Product Specification for Residential Ventilating Fans, Version 4.1	NEEP's SASD
Spray sprinkler bodies	U.S. Environmental Protection Agency's WaterSense specification for Spray Sprinkler Bodies, Version 1.0	CEC's MAEDbS
Water coolers	Version 2.0 of the ENERGY STAR Product Specification for Water Coolers	NEEP's SASD

SASD Certification Instructions

1. Create an account on the SASD using [these instructions](#).
2. Once your account is approved, confirm the brands associated with your company (there may be products in the SASD already waiting for your approval).
3. If there are additional products you would like to certify, review the upload instructions found on the SASD under [Resources > Compliance FAQ](#).
4. Upload product data using the template provided on the Product Import page.
5. Receive notification that product data has been approved or denied.

MAEDbS Certification Instructions

1. Access the relevant product certification packet [here](#). The CEC provides certification packets for each product category which include guidance on how to:
 - a. Register a new MAEDbS account.
 - b. Submit a Test Laboratory Application or Third-Party Certifier Application through the MAEDbS..
2. Additionally, certification packets provide general information on appliance-specific instructions and appliance-specific Excel templates.

Distributors, dealers, retailers, installers, and contractors

Distributors, dealers, retailers, installers, and contractors should verify that regulated products are certified to the SASD or MAEDbS before selling the product.

SASD Verification Process

1. Visit the [SASD](#) and either:
 - a. Use the filters to select the product category that you are verifying for compliance.
 - b. Type in the model number or brand name using the search bar.
2. If you cannot find the product you are looking for, download the search results for a single product category using the Export Products button.
3. Use the Excel search function 'Find' to search for the model number you are verifying.
4. If you still cannot find the product you are looking for, reach out to the manufacturer to inform them of the SASD and ask them to submit product data.
5. If a manufacturer submits product data and it does not meet the standards, it cannot legally be sold.

For additional guidance, reach out to the Massachusetts DOER at madoer.appliance.standards@energy-solution.com.

MAEDbS Verification Process

1. Visit the [MAEDbS](#) and:
 - a. Conduct a 'Quick' search if you have a particular product you would like to verify. This option allows users to search by one or all of the following filters: model number, appliance type, company, brand, appliance status.
 - b. Conduct an 'Advanced' search to search by category, appliance type, and appliance status, and select fields to display. Type in the model number or brand name using the search bar.
2. Model numbers may not match exactly due to the use of "wild cards" (asterisks) for models with identical data but different non-energy features. If you are having trouble finding the model number in the MAEDbS, try the following:
 - a. Remove the first or last few digits from the model number you are searching for.
 - b. Download the product data in Excel and use the Excel "Find" function.
 - c. Contact the manufacturer and ask which model number the product corresponds to in the MAEDbS.

Resources

- For questions on the Massachusetts Appliance Efficiency Standards or the compliance process, contact madoer.appliance.standards@energy-solution.com. For questions about the law, contact DOER.appliancestandards@mass.gov.
- DOER hosted two informational webinars in March of 2023 to provide regulated parties with information they need to comply with the law and answer questions. Video recordings of the session and associated Q&A are available at:
 - [March 6, 2023](#)
 - [March 14, 2023](#)
 - [DOER answers to webinar questions](#)
- For questions on the NEEP SASD, contact SASD@energy-solution.com.
- For questions on the CEC MAEDbS, contact the CEC at appliances@energy.ca.gov or explore these offerings from [Energy Code Ace](#), your “one-stop-shop” for no-cost tools, training, and resources to help you comply with California’s Building Energy Efficiency Standards (Title 24, Part 6) and Appliance Efficiency Standards (Title 20):
 - [Title 20 Essentials: Using MAEDbS for Manufacturers](#)
 - [Title 20 Basics - Manufacturers](#)
 - [Title 20 Basics – Retailers, Distributors, and Installers](#)
 - [MAEDbS 101](#)