



ENERGY STAR® Products
Enhancing the Program to Preserve
Consumer Confidence

Environmental Law Institute

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What is ENERGY STAR?



- A government backed label that makes it easy for consumers to identify products that save energy, save money and help protect the environment without sacrifice in quality or performance
 - And buildings, and homes and home improvement services....
- Products that earn the ENERGY STAR meet strict energy efficiency criteria set by EPA or DOE
 - More than 60 product categories including office equipment, lighting, appliances, consumer electronics, HVAC and commercial food service equipment
- A government - industry partnership
 - Nearly 3000 manufacturer partners, 1,500 retailers and 700 state and utility partners representing 85% of US
- Since 2000, Americans have purchased more about 3 billion ENERGY STAR qualified products
- Last year, with the help of ENERGY STAR, Americans prevented 45 million metric tons of greenhouse gas emissions – equivalent to the annual emissions from 30 million vehicles—and saved nearly \$17 billion on their utility bills.

Maintaining Program Integrity



EPA currently has a range of measures in place:

- Entering into Partnership Agreements that specifically outline the terms and conditions for using the ENERGY STAR name and logo
- Issuing ENERGY STAR program identity guidelines to program partners to ensure proper use of the logo
- Monitoring the use of the name and logo in trade media, advertisements, the Internet and stores
- Reviewing test data before adding products to qualifying product lists
- Verifying energy performance through compliance audit program
 - Off-the-shelf testing
 - Third party certification programs



New partnership on ENERGY STAR and other efficiency efforts

- Clear lines of responsibility between the two agencies that build on their respective areas of expertise
- Enhanced ENERGY STAR program for providing consumers a reliable trust mark for products that save money and protect the environment
- Broader coverage, more frequent updates, enhanced product testing and new program to identify “top tier” energy efficiency products and technologies
- Ongoing framework for partnership, coordination, and collaboration between the agencies and stakeholders

Response to GAO Report



- Temporarily suspended product qualifications so that a thorough review of the ENERGY STAR approval process could be performed
- Strengthened the ENERGY STAR qualification approval systems to include review and approval of complete lab reports for each new product
- Instituted a policy across all 60 product categories that products may no longer be labeled by manufacturers until qualifying product information, including lab reports, are submitted and approved by EPA
- Restricted access to the ENERGY STAR certification mark to partners until after they have a product approved for qualification
- Dramatically accelerated qualification and verification testing enhancements

ENERGY STAR Enhanced Testing and Verification Overview



TESTING ENHANCEMENT

Qualification Testing

Verification Testing

PURPOSE

Ensure each product meets ENERGY STAR specification prior to being labeled with the ENERGY STAR

Ensure that products continue to meet ENERGY STAR requirements

KEY APPROACHES

- Require test data for each product from approved, accredited lab
- Data may be provided to EPA through approved third-party certification system

- Require ongoing verification testing as a condition of ENERGY STAR logo use
- Verification testing administered through third-party testing program
- DOE has initiated verification testing through Testing Pilot Program
- DOE to provide ongoing QA through verification testing

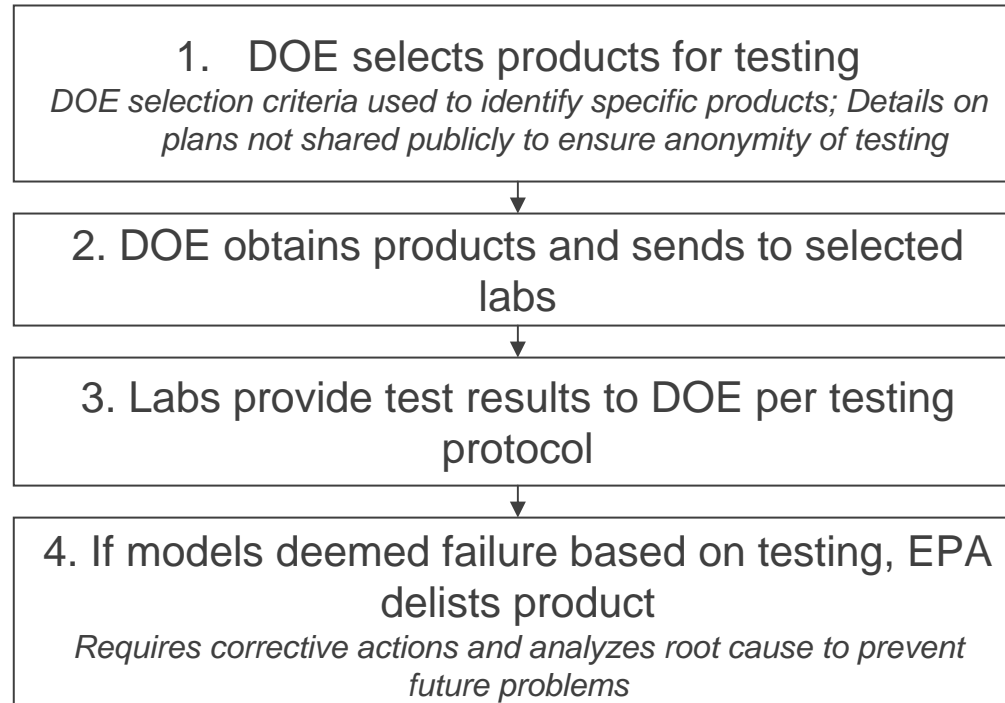
ENERGY STAR Enhanced Testing and Verification Overview



DOE Verification Testing Program Scope: All ENERGY STAR Product Categories

Process

Purpose: Ongoing government testing program to verify energy performance of product in the market against reported energy performance data.



ENERGY STAR Enhanced Testing and Verification Overview



Market-Based Testing

Scope: All ENERGY STAR Product Categories

Qualification Testing

Purpose: Ensure that testing is conducted as required by ENERGY STAR specification and that lab submits test results to EPA that are representative of products sold to customer.

1. Product tested in approved, accredited lab

Lab sends test information to EPA

2. EPA approves submission and adds product to EPA list of ENERGY STAR qualified products

3. Partner labels product

Provides new data to EPA if changes to the model result in changes to energy consumption

Verification Testing

Purpose: Ensure that products continue to meet ENERGY STAR requirements.

1. Product selected for testing

Third-party administrator facilitates product selection once or twice a year based on certified product (if certification program) or ES QP list (if EPA-selected administrator)

2. Manufacturer pays third-party to administer independent, off-the-shelf or off-the-line witnessed testing

3. Third party administrator has products tested as required and shares results with EPA

4. If models deemed failure based on testing, EPA delists product

Requires corrective actions and analyzes root cause to prevent future problems

Additional Information



www.energystar.gov/mou

www.energystar.gov/testingandverification