



OREGON  
DEPARTMENT OF  
ENERGY

# Oregon Department of **ENERGY**

## Product Efficiency Standards, Incentive Programs

## Resilient Efficient Buildings Task Force

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# CONSUMER PRODUCT EFFICIENCY STANDARDS

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Establish efficiency requirements for common products in order to be sold, offered for sale, or installed in Oregon

Contribute toward consumer utility cost savings and greenhouse gas reductions


Are complementary to building energy codes to address resource consumption in the built environment

Include a role for both State and Federal governments

# EXECUTIVE ORDERS

## EO 17-20 (November 2017)

Office of the Governor  
State of Oregon



EXECUTIVE ORDER NO. 17-20

ACCELERATING EFFICIENCY IN  
TO REDUCE GREENHOUSE GAS  
CLIMATE CHANGE

WHEREAS, climate change presents a threat to economic security, environment, health, and safety;

WHEREAS, there has been an increase in frequent and intense heat waves and wildfires; and the Oregon Climate Change Research Institute and other research indicates Oregon is at risk of serious impacts from climate change;

- Water resources are being affected by seasonal runoff patterns, decreased snowpack, and increased intensity and occurrence of drought;
- Agricultural resources are being affected by drought and increased temperatures;
- Ocean acidification is increasing;
- Significant parts of the Oregon coast are impacted by an expected rise in sea level of several feet, resulting in billions of dollars of damages and loss of property;
- Climate change impacts threaten recreation, and tourism industries; and the State's residents and an important part of the state's economy.

WHEREAS, energy efficiency leads to savings in energy costs and is essential to meeting our state greenhouse gas reduction goals for climate change;



WHEREAS, Oregon is committed to meeting its targets to reduce greenhouse gas emissions by 2025;

WHEREAS, Oregon has adopted goals to reduce greenhouse gas emissions to 26 percent below 1990 levels by 2020 and 45 percent below 1990 levels by 2050 as described in ORS 468A.20.

### Oregon Department of ENERGY

Executive Order 17-20  
*Improved State Standards  
for Appliances*


November 2018



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## EO 20-04 (March 2020)

Office of the Governor  
State of Oregon



EXECUTIVE ORDER NO. 20-04

DIRECTING THE OREGON DEPARTMENT OF ENERGY TO REGULATE ENERGY EFFICIENCY STANDARDS

WHEREAS, climate change presents a threat to economic security, environment, health, and safety;

WHEREAS, there has been an increase in frequent and intense heat waves and wildfires; and the Oregon Climate Change Research Institute and other research indicates Oregon is at risk of serious impacts from climate change;

WHEREAS, energy efficiency leads to savings in energy costs and is essential to meeting our state greenhouse gas reduction goals for climate change;

WHEREAS, Oregon is committed to meeting its targets to reduce greenhouse gas emissions by 2025;

WHEREAS, Oregon has adopted goals to reduce greenhouse gas emissions to 26 percent below 1990 levels by 2020 and 45 percent below 1990 levels by 2050 as described in ORS 468A.20.

7. **Directives to the Oregon Department of Energy.** In addition to the general directives set forth in paragraph 3, ODOE is directed to take the following actions:

A. **Energy Efficiency Standards.** ODOE is directed to pursue emissions reductions by establishing and updating energy efficiency standards for products at least to levels equivalent to the most stringent standards among West Coast jurisdictions, including grid-connected appliances that can be utilized to manage end-use flexible electrical loads. ODOE also is directed to periodically evaluate and update those standards, as practicable, to remain at least equivalent to the most stringent standards among West Coast jurisdictions.

B. **Rulemaking.** ODOE is directed to take actions necessary to establish and update energy efficiency standards for products sold or installed in Oregon that include but are not limited to the following:

- (1) High CRI fluorescent lamps;
- (2) Computers and computer monitors;
- (3) Faucets;
- (4) Shower heads;
- (5) Commercial fryers;
- (6) Commercial dishwashers;
- (7) Commercial steam cookers;
- (8) Residential ventilating fans;
- (9) Electric storage water heaters; and
- (10) Portable electric spas.

C. **Timeline.** Any rulemaking necessary to implement the directives set forth in paragraph 7(B) should be completed by September 1, 2020.



# OREGON STANDARDS LEGISLATIVE TIMELINE

## 2005 – HB 3363

- 11 products
- ODOE provided with authority to create new and updated standards, subsequent legislation required

## 2013 – SB 375

- 3 additional products

## 2017 – SB 3025

- Definitional amendment for battery chargers to align with California
- No new standards

## 2022 – HB 4057

- New standard for spray sprinkler bodies (irrigation sprinklers)

## 2007 – HB 3363

- 6 additional products
- 1 year delay added for ODOE new standards or updates

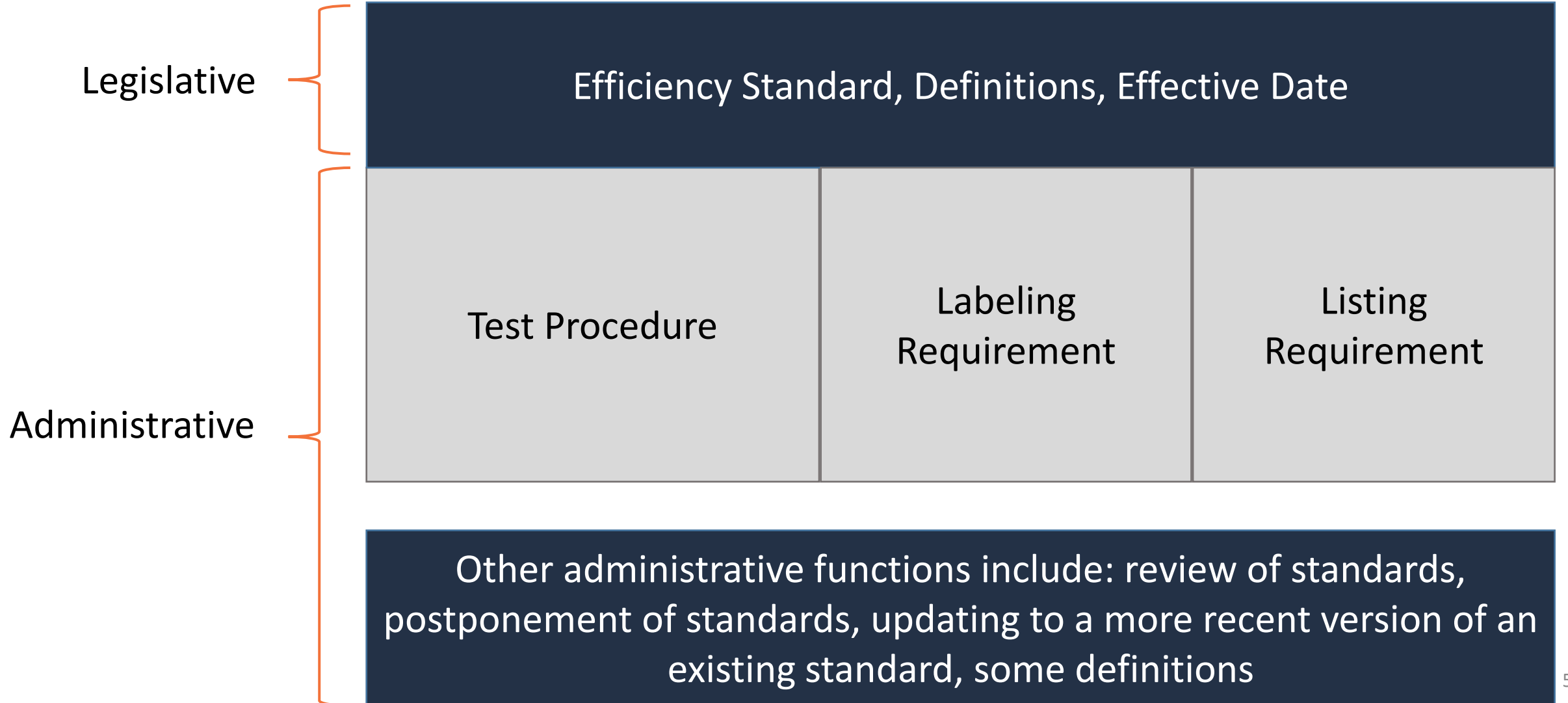
## 2015 – SB 20

- Standards effective date clarification
- Cleanup for alignment with other states
- No new standards

## 2021 – HB 2062

- 11 products (9 new, 2 updates)
- Streamlined process for updating standards under limited circumstances

# EFFICIENCY STANDARD COMPONENTS



# COLLABORATION AND COMMUNICATION



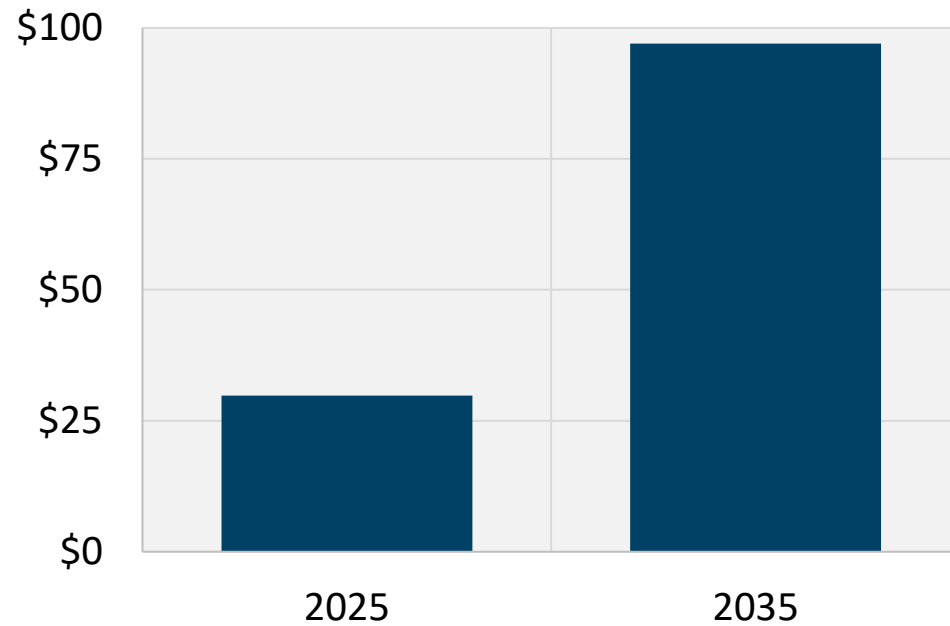
# RECENT STANDARDS

## Newly established or updated standards

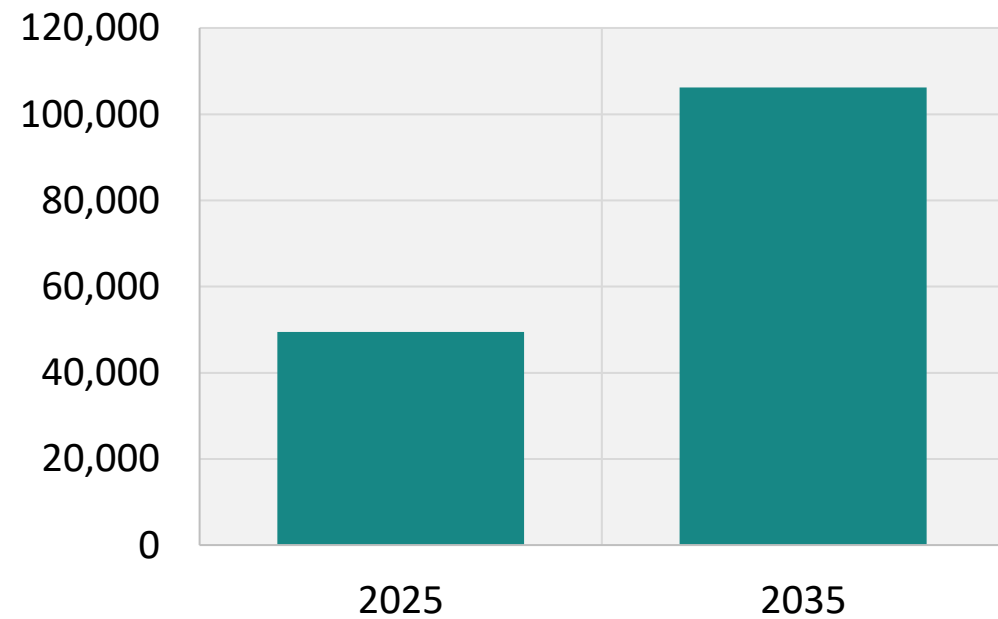
- High CRI Fluorescent Lamps
- Computers and Computer Monitors
- Faucets
- Showerheads
- Commercial Fryers
- Commercial Dishwashers
- Commercial Steam Cookers
- Residential Ventilating Fans
- Electric Storage Water Heaters
- Portable Electric Spas (update)
- Water Coolers (update)
- Spray Sprinkler Bodies

# SAVINGS FROM RECENT ENERGY STANDARDS

Cost Savings From Standards  
(in millions)



Greenhouse Gas Reduction  
(CO<sub>2</sub>, metric tonne)





# INCENTIVE & GRANT PROGRAMS

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## Oregon Solar + Storage Rebate Program

- Est. 2019: \$2 million
- 2021: Additional \$10 million
- 2022: Additional \$5 million



## Energy Efficient Wildfire Rebuilding Incentive Program

- Est. 2021: \$10 million
- Launching now



## Community Renewable Energy Grant Program

- Est. 2021: \$50 million
- Launched in March with four opportunity announcements totaling \$12 million available

# SB 1536 EMERGENCY HEAT RELIEF

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- Heat Pump Deployment Program - \$10 million
- Residential Heat Pump Fund for Renters - \$15 million
- Community Cooling Center Program (to be administered by Energy Trust of Oregon) - \$2 million
- Program rulemaking process will begin soon







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# Thank You!

## Questions / Comments?

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