



Appliance Efficiency Standards

Pennsylvania business and residents are spending more money than necessary running appliances and lighting in homes and businesses. Efficiency standards ensure that the products we purchase use less energy and water while preserving quality and affordability. Commonwealth residents can put money saved on utility bills towards the important things in life.

The basics of appliance efficiency standards

- Set a minimum level of energy and water efficiency for household and commercial appliances
- Provide savings for consumers and businesses
- Encourage innovative water- and energy-saving technologies



By 2025, new standards could save the electricity equivalent to powering **36,000** Pennsylvania homes. By 2035 - **111,000** homes.

Standards bring huge benefits to Pennsylvania

- **Affordability:** Consumers and businesses save money on utility bills, protecting customers from energy waste
- **Jobs:** Local economies get a boost when consumers have more spending money
- **Clean energy:** Public health and air quality improve when emissions and pollutants are cut



If new standards are **not** enacted in 2020, Pennsylvania consumers and businesses would lose out on **\$108** million in savings per year.

“Those savings are particularly important for low-income households, who struggle to pay their energy bills and are too often faced with termination of vital utility services due to non-payment. Moreover, money that would have gone to purchase energy supplies from out of state stays in the local economy, helping to create more jobs.” - Charlie Harak, National Consumer Law Center as quoted on similar proposed standards in Massachusetts

Neighboring states are acting on standards

- In the northeast, DC and Vermont adopted a similar package of standards. Connecticut, Maine, Massachusetts, Maryland, New Jersey, New York, and Rhode Island plan to pursue standards in 2021.
- Outside the northeast, California, Colorado, Hawaii, and Washington have adopted many of the same standards
- Pennsylvania should not be left behind.

Standards benefit the environment

- Cut CO2 emissions and help Pennsylvania meet Carbon Reductions and Resiliency goals
- Cut other emissions harmful to public health
- Save precious water resources
- Reduce need to build more power plants

Support Appliance Standards in Pennsylvania in 2021

The time to act is now!



Energy savings



Water Savings



Utility Bill Savings



Emissions Reductions

What's in it for Pennsylvania consumers?

Annual savings in 2025	Equivalent to:
403 GWh of electricity	Electricity consumption of 36,000 PA households
1,357 billion Btus of natural gas	Natural gas consumption of 26,000 PA households
3.3 million gallons of water	Water consumption of 62,000 PA households
231,000 metric tons of CO2	Emissions from about 50,000 cars for a year
\$108 million	Annual savings in 2035 are \$433 million, triple the 2025 savings

Residents, businesses, and government save money

Efficiency standards ensure that the products we purchase use less energy and water while preserving quality and affordability.

Pennsylvania residents, businesses, and local and state governments will save more than **\$108 million annually by 2025**, which can be re-invested in the local Pennsylvania economy, spurring job creation.

Short payback periods and long-term benefits: Of the 16 standards included in the bill, 8 have **no incremental cost**, so consumers and businesses start saving right away. For the remaining 8 standards, the payback period ranges from 0.8 to 6.5 years, with the **median payback period for all products at 2 years**.

Additional Benefits

Pennsylvania would be eligible to earn additional points on the ACEEE Energy Efficiency Scorecard, helping it improve its current #18 position.

Water savings can reduce strain on water supply and delay the need for water and sewer infrastructure improvements.

These standards also protect federal standards that are at risk for being rolled back. This bill would protect all existing federal standards, which currently save PA households about \$480 a year on utility bills.

Do I have to buy expensive new products?

No. Consumers can already readily purchase all products that meet the proposed updated standards (including all ENERGY STAR or WaterSense products). This bill will merely raise the floor to weed out the least efficient products in the marketplace.

Residential	Commercial/Industrial	Water	Multi-Sector
Air purifiers	Commercial dishwashers	Faucets	High CRI, cold temperature, and impact-resistant fluorescent lamps
Portable electric spas	Commercial fryers	Showerheads	State-regulated general service lamps
Residential ventilating fans	Commercial ovens	Spray sprinkler bodies	Water coolers
	Commercial steam cookers	Toilets (water closets)	
	Hot food holding cabinets	Urinals	