



Energy Star sticker certifying energy efficiency

Appliance Efficiency Standards

The cleanest energy is the energy we don't use in the first place

Using energy efficiently is common sense and has broad public support. By adopting energy efficiency standards for appliances and commonly-used products in Pennsylvania, we can significantly reduce climate, air and water pollution, and save consumers money. The proposed legislation, Senate Bill 755 and House Bill 1615, would establish energy-saving standards for 15 products.

Reducing Pollution

Adopting statewide appliance efficiency standards would prevent pollution from entering our atmosphere ~ mitigating their impacts on climate change, air quality and public health.

By 2030, the proposed standards would prevent:

- 384,000 metric tons of global warming pollution from entering our atmosphere, the equivalent of taking 85,452 cars off the road annually,
- 217 tons of nitrogen oxide (NO_x emissions) and 105 tons of SO₂, emissions, both of which are linked to respiratory ailments

By 2040, these savings would increase to 680,000 metric tons, 418 tons, and 142 tons respectively.



Reducing water use

Adopting statewide appliance efficiency standards would reduce overall water use and lessen the need for expensive water infrastructure projects.

By 2030, the proposed standards would annually save:

- 9,578 million gallons of water; equivalent to the annual water consumption of 177,896 Pennsylvania families.

By 2040, these savings would nearly double to 18,281 million gallons.

Reducing our use of fossil fuels, like methane gas

Adopting appliance efficiency standards can reduce our use of fossil fuels, while improving electric system reliability and reducing the need for new energy infrastructure, like pipelines.

By 2030, the proposed standards would annually:

- Save enough electricity to power 56,322 Pennsylvania homes for a year.
- Prevent the use of as much natural gas as is consumed by 87,140 Pennsylvania homes each year.

By 2040, these savings would increase to energy savings equivalent to 92,424 homes and gas savings equivalent to 175,994 homes.

Saving energy can save money

Along with the array of environmental benefits that appliance efficiency standards provide, the proposed standards would also mean big financial savings for Pennsylvania residents and businesses. By 2030, the proposed standards would annually save:

- Pennsylvania consumers \$294 million each year.

By 2040, these savings would more than double.



Products included in proposed rule:

- Commercial dishwashers
- Commercial fryers
- Commercial hot-food holding cabinets
- Commercial ovens
- Commercial steam cookers
- Faucets
- Gas fireplaces
- High CRI fluorescent lamps
- Portable electric spas
- Residential ventilating fans
- Showerheads
- Spray sprinkler bodies
- Toilets (water closets)
- Urinals
- Water coolers

	Annual Savings 2030	Annual Savings 2040	Savings Increase 2030-2040
Electricity (GWh)	610	1,001	64%
Avoided Natural Gas (BBtu)	3,916	7,909	101%
Water (million gallons)	9,578	18,281	91%
CO ₂ (thous. MT)	384	680	77%
NO _x (tons)	217	418	93%
SO ₂ (tons)	105	142	35%
Potential annual utility bill savings (million 2021 \$)	294	600	104%

For more information, please visit www.pennenvironment.org



Data from: <https://appliance-standards.org/>