



# Appliance Efficiency Standards

The cleanest energy is the energy we don't have to produce 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 air and water pollution, avoid climate-altering carbon pollution and save consumers money on their utility bills. The proposed legislation would establish energy saving standards for 18 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.

In PA alone, by 2025 these proposed standards would prevent:

- 507,000 metric tons of CO<sub>2</sub> from entering our atmosphere, the equivalent of taking 110,217 cars off the road annually.
- 270 tons of smog-forming NO<sub>x</sub> emissions, which can trigger asthma or other respiratory infections.
- 356 tons of fine particulate pollution SO<sub>2</sub>.

By 2035, these savings would increase by ~80, 100, and 70 percent respectively.



## Reducing water use:

Adopting statewide appliance efficiency standards in Pennsylvania would reduce overall water use and put less strain on our rivers and streams.

By 2025, the proposed standards would annually save 6,312 million gallons of water, equivalent to the annual water consumption of 117,000 American families.

By 2035, these savings would increase by ~140 percent.

## Reducing our use of fossil fuels; like fracked 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 2025, the proposed standards would annually:

- Save enough electricity to power 83,000 of homes for a year.
- Prevent the use of as much natural gas as is consumed by 47,000 homes each year.

By 2035, these savings would increase by ~60 and 140 percent respectively.

## Saving energy can save money, too:

Along with the array of environmental benefits that appliance efficiency standards provide, the proposed standards would also mean big financial savings for rate payers.

By 2025, the proposed standards would annually save Pennsylvania consumers \$217 million dollars each year.

By 2035, these savings would increase by ~120 percent.



## Products included in proposed rule:

- Air compressors
- Air purifiers
- Commercial dishwashers
- Commercial fryers
- Commercial hot-food holding cabinets
- Commercial steam cookers
- Computers and computer monitors
- Faucets
- High CRI fluorescent lamps
- Portable air conditioners
- Portable electric spas
- Residential ventilating fans
- Showerheads
- Spray sprinkler bodies
- Toilets (water closets)
- Uninterruptible power supplies
- Urinals
- Water coolers

	Annual Savings 2025	Annual Savings 2035	Savings Increase 2025-2035
Electricity (GWh)	865	1372	~60%
Avoided Natural Gas (BBtu)	2156	5161	~140%
Water (billion gallons)	6.312	14.993	~140%
CO2 (thous. MT)	507	891	~80%
NOx (tons)	270	529	~100%
SO2 (tons)	356	603	~70%
Potential annual utility bill savings (million 2017\$)	217	471	~120%

For more information, please visit [www.pennenvironment.org](http://www.pennenvironment.org)



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

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