



Improving the efficiency of products in Massachusetts

# Appliance Efficiency Standards

The best climate solution you've never heard of

*Using energy efficiently is common sense and has broad public support. By adopting energy efficiency standards for appliances and commonly-used products in Massachusetts, we can significantly reduce air and water pollution, avoid climate-altering carbon pollution and save consumers money. The Energy SAVE Act (H.D. 580 and S.D. 767) would establish energy saving standards for 17 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 2025, the proposed standards would prevent:

- 159 thousand metric tons of CO<sub>2</sub> from entering our atmosphere, the equivalent of taking 34,565 cars off the road annually.
- 132 tons of smog-forming NO<sub>x</sub> emissions.
- 33 tons of fine particulate pollution SO<sub>2</sub>.

By 2035, these savings would increase by ~105, 110 and 80 percent respectively.



## Reducing water use:

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

By 2025, the proposed standards would annually save:

- 3,667 million gallons of water; equivalent to the annual water consumption of 67,000 American families.

By 2035, these savings would increase by ~135 percent.

## 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 2025, the proposed standards would annually:

- Save enough electricity to power 52,000 homes for a year.
- Prevent the use of as much natural gas as is consumed by 28,000 homes each year.

By 2035, these savings would increase by ~55 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:

- Massachusetts' consumers \$145 million dollars each year.

By 2035, these savings would increase by ~110 percent.



## Product list:

- Air compressors
- 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)	396	613	~55%
Avoided Natural Gas (BBtu)	1382	3270	~140%
Water (million gallons)	3667	8586	~135%
CO2 (thous. MT)	159	326	~105%
NOx (tons)	132	278	~110%
SO2 (tons)	33	59	~80%
Potential annual utility bill savings (million 2017\$)	145	304	~110%

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



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