



The Energy SAVE Act

Energy Savings & Efficiency Act (H.2832 & S.1986)

Lead Sponsors: Rep. Josh Cutler & Sen. Jason Lewis

The Mass. Energy Savings & Efficiency Act (**Energy SAVE**) updates energy and water efficiency standards for common household and commercial appliances. Efficiency standards ensure that the products we purchase use less energy and water while preserving quality and affordability.



Energy savings



Water Savings



Utility Bill Savings



Emissions Reductions

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-savings technologies

Standards bring huge benefits to Massachusetts

- **Affordability:** Consumers and businesses save money on utility bills with reduced consumption
- **Cleaner Energy:** Public health and air quality improve when carbon emissions and pollutants are cut
- **Water Savings:** Reduced strain on water infrastructure lessens need for expensive water
- **Climate Goals:** Helps state meet goals of Global Warming Solutions Act and maintains top rating for Energy Efficiency
- **#2 Energy Saving tool:** After fuel economy standards, appliance standards rank as the biggest energy saver!

Residents, businesses, and government save money:

If these updated appliance standards were adopted Massachusetts residents, businesses, and local and state governments would save more than **\$103 million annually by 2025**. These savings grow to **\$282 million annually by 2035**.

Short paybacks and long-term benefits:



Of the 17 updated standards included in the bill, 7 have zero incremental cost so consumers and businesses start saving right away. Of the remaining 10 standards, the payback period ranges from 0.5 to 3.4 years, with the median payback for all products less than 1 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 (referring to the 2018 MA efficiency standards bill)

Partial list of supporting organizations

Based on H. 4737 in 190th Session



ENERGY AND WATER SAVINGS

	Potential annual savings in 2025						Potential annual savings in 2035					
	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Commercial dishwashers	3.6	86	120	4.7	0.1	5.4	13.7	327	455	17.6	0.6	19.9
Commercial fryers	0.4	223	--	10.2	0.02	11.9	1.3	763	--	35.0	0.05	40.8
Commercial hot-food holding cabinets	4.6	--	--	1.0	0.2	1.1	15.9	--	--	3.2	0.7	3.0
Commercial ovens	2.0	18	--	1.3	0.1	1.4	7.0	63	--	4.3	0.3	4.7
Commercial steam cookers	4.9	26	84	2.2	0.2	2.5	16.9	90	288	7.5	0.7	8.0
Computers and computer monitors	120.3	--	--	25.0	5.0	25.9	192.0	--	--	38.6	8.2	35.7
Electric vehicle supply equipment	2.3	--	--	0.5	0.1	0.5	27.9	--	--	5.6	1.2	5.1
Faucets	24.2	457	1,367	25.8	1.0	29.1	69.1	1,283	3,855	72.3	2.9	80.9
High CRI fluorescent lamps	42.0	--	--	8.7	1.7	9.4	17.2	--	--	3.5	0.7	3.2
Portable electric spas	10.2	--	--	2.1	0.4	2.0	24.5	--	--	4.9	1.0	4.5
Residential ventilating fans	1.0	--	--	0.21	0.0	0.2	2.9	--	--	0.6	0.1	0.5
Showerheads	18.7	345	710	19.6	0.8	22.1	53.5	986	2,029	55.7	2.3	62.2
Spray sprinkler bodies	--	--	690	--	--	--	--	--	1,971	--	--	--
Toilets (water closets)	--	--	287	--	--	--	--	--	1,080	--	--	--
Urinals	--	--	41	--	--	--	--	--	140	--	--	--
Water coolers	5.9	--	--	1.2	0.2	1.3	16.7	--	--	3.4	0.7	3.1
Total	240	1,155	3,299	102	10	113	459	3,511	9,817	252	20	271

Assuming a compliance date of 2022 for all the recommended standards. Totals may not sum due to rounding.

UTILITY BILL SAVINGS AND PAYBACK PERIODS

	Potential annual utility bill savings (million 2018\$)		Net present value savings (million 2018\$)	Benefit-cost ratio	Payback period (years)
	In 2025	In 2035			
Commercial dishwashers	3.1	12.9	76.9	11.4	1.0
Commercial fryers	2.8	9.7	43.1	2.9	3.4
Commercial hot-food holding cabinets	0.8	3.1	14.1	3.2	3.1
Commercial ovens	0.6	2.1	13.1	11.2	0.9
Commercial steam cookers	2.2	8.3	51.4	13.7	0.8
Computers and computer monitors	23.9	40.4	228.2	3.8	1.4
Electric vehicle supply equipment	0.5	6.5	43.4	no cost	0.0
Faucets	28.0	87.7	606.7	no cost	0.0
High CRI fluorescent lamps	7.8	3.5	51.8	6.1	1.2
Portable electric spas	2.3	5.7	38.0	14.9	0.5
Residential ventilating fans	0.2	0.7	4.7	no cost	0.0
Showerheads	17.4	54.8	379.6	no cost	0.0
Spray sprinkler bodies	8.2	26.8	168.1	11.6	0.8
Toilets (water closets)	3.4	14.7	131.6	no cost	0.0
Urinals	0.5	1.9	12.6	no cost	0.0
Water coolers	1.1	3.2	22.6	no cost	0.0
Total	103	282	1,886	13.5	--

Why state standards?

States have historically led the nation in the development of new appliance standards. Over time consensus efficiency standards develop into national standards. Massachusetts has been a leader in the past in setting state standards and now it's time to update our standards to keep pace with changes in the marketplace and continue the push for innovation and energy savings.

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.

APPLIANCE STANDARDS

THE BEST ENERGY AND CLIMATE POLICY YOU'VE NEVER HEARD OF.

Data from the Appliance Standards Awareness Project. ASAP leads a broad-based coalition that works to advance new appliance and lighting standards which deliver large energy and water savings, monetary savings and environmental benefits. For info visit appliance-standards.org