

How much will the Trump administration’s elimination of new light bulb standards cost each state?

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The Trump administration has blocked improved and expanded light bulb efficiency standards that were slated to take effect on January 1, 2020. The table below shows the electricity and bill savings that will be lost, including for a typical consumer in each state. Increased energy use means more power must be generated, including from fossil-fuel fired plants: how much climate-changing carbon dioxide emissions will go up is shown. The table reports annual savings levels in 2025, which reflects the yearly savings rate once nearly all light bulbs in use would have complied with the improved standards.

Annual electricity, electricity bill, and per-household electricity bill savings in 2025

	Statewide savings			Per-household electricity bills (2017\$)
	Electricity (gigawatt hours)	Electricity bills (million 2017\$)	CO ₂ (thousand metric tons)	
Alabama	1,440	184	640	95
Alaska	197	44	61	165
Arizona	1,890	233	802	92
Arkansas	888	108	397	91
California	9,961	2,180	1,350	163
Colorado	1,572	180	882	85
Connecticut	1,053	219	227	155
Delaware	272	45	106	124
District of Columbia	233	35	91	113
Florida	5,793	699	2,552	90
Georgia	2,831	345	1,258	91
Hawaii	347	105	168	224
Idaho	458	43	107	71
Illinois	3,758	565	2,441	113
Indiana	1,957	279	1,205	106
Iowa	958	111	488	86
Kansas	875	116	491	99
Kentucky	1,330	131	698	73
Louisiana	1,372	158	614	86
Maine	423	70	91	123
Maryland	1,712	299	669	131
Massachusetts	1,996	396	431	147
Michigan	3,012	488	1,640	122
Minnesota	1,654	203	843	91
Mississippi	856	111	398	96
Missouri	1,853	227	1,252	91
Montana	318	33	74	78
Nebraska	578	61	295	78
Nevada	788	85	280	81
New Hampshire	403	77	87	142
New Jersey	2,541	489	993	145

New Mexico	588	72	249	91
New York	5,726	1,700	1,961	229
North Carolina	2,985	377	996	95
North Dakota	246	24	125	73
Ohio	3,596	541	2,213	113
Oklahoma	1,156	135	543	88
Oregon	1,210	122	282	76
Pennsylvania	3,869	656	1,755	128
Rhode Island	318	62	69	144
South Carolina	1,434	208	479	109
South Dakota	262	29	134	83
Tennessee	1,972	194	1,035	72
Texas	7,368	749	3,444	75
Utah	711	74	166	78
Vermont	198	36	43	134
Virginia	2,450	316	818	98
Washington	2,116	190	493	67
West Virginia	573	79	353	103
Wisconsin	1,805	309	1,531	128
Wyoming	179	19	60	79
U.S.	92,080	14,209	38,378	116

Note: Five states, CA, CO, NV, VT and WA, have enacted state level light bulb standards. All or part of the savings shown above are protected in those states by their laws.

Source: “US Light Bulb Standards Save Billions for Consumers but Manufacturers Seek a Rollback” Appliance Standards Awareness Project and American Council for an Energy-Efficient Economy. July 2018. Available at <https://appliance-standards.org/document/us-light-bulb-standards-save-billions-consumers-manufacturers-seek-rollback>

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