Appliance Standards Awareness Project

2027 State Appliance Standards Savings Potential

Annual savings estimates in 2040 for: Texas

	Potential annual savings in 2040								
	Electricity (GWh)	Natural gas (BBtu)	Water (million gallons)	NO_x (tons)	SO_2 (tons)	CO_2 (thousand metric tons)	Summer peak demand (MW)	Winter peak demand (MW)	Utility bills (million 2025$)
Commercial & industrial fans	1,729.8	--	--	92.5	0.0	212.5	261.2	210.8	148.0
Commercial battery chargers	43.9	--	--	2.3	0.0	5.4	5.0	5.0	3.6
Commercial dishwashers	208.7	900	1,342	51.9	0.3	73.2	19.4	21.0	61.5
Commercial fryers	5.6	3,907	--	177.4	1.1	207.4	1.1	1.3	66.1
Commercial ovens	55.6	401	--	21.2	0.1	28.1	11.0	12.5	12.4
Commercial steam cookers	17.8	170	438	8.6	0.05	11.2	3.5	4.0	12.9
Computer server power supplies	62.9	--	--	3.4	0.0	7.7	7.2	7.2	6.4
Electric motors	2,260.3	--	--	120.8	0.0	277.7	364.1	276.1	237.2
Faucets	221.3	1,243	5,938	68.2	0.4	93.0	19.8	60.3	174.9
Gas fireplaces	--	701	--	31.8	0.2	37.1	--	--	13.6
High CRI fluorescent lamps	42.8	--	--	2.3	0.0	5.3	6.4	5.6	5.0
Portable electric spas	106.2	--	--	5.7	0.0	13.1	35.5	8.5	19.1
Showerheads	491.2	2,069	8,867	120.0	0.6	169.8	44.1	133.9	295.4
Spray sprinkler bodies	--	--	55,136	--	--	--	--	--	436.4
Toilets (water closets)	--	--	6,050	--	--	--	--	--	113.9
Urinals	--	--	575	--	--	--	--	--	10.8
Water coolers	254.3	--	--	13.6	0.0	31.2	29.0	29.0	25.8
Total	**5,500**	**9,391**	**78,348**	**720**	**3**	**1,173**	**807**	**775**	**1,643**

Assuming a compliance date of 2029 for all the products. We have not estimated savings for commercial hot-food holding cabinets, computers and computer monitors, or residential ventilating fans due to insufficient data on the current market.

Cumulative savings estimates through 2050 for: Texas

	Potential cumulative savings through 2050							
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO_x (tons)	SO_2 (tons)	CO_2 (thousand metric tons)	Utility bills (million 2025$)	Payback period (years)
Commercial & industrial fans	33,370.2	--	--	1,816.4	12.2	4,502.1	2,710.6	1.6
Commercial battery chargers	820.1	--	--	43.7	0.2	109.3	62.6	4.1
Commercial dishwashers	3,771.9	16.3	24.3	938.5	5.7	1,363.0	1,109.0	2.1
Commercial fryers	92.8	65.2	--	2,961.3	18.9	3,463.6	1,113.7	2.2
Commercial ovens	927.5	6.7	--	353.5	2.2	478.4	202.5	6.2
Commercial steam cookers	297.3	2.8	7.3	144.3	0.9	189.6	217.9	0.8
Computer server power supplies	1,225.6	--	--	68.9	0.7	168.6	117.8	3.5
Electric motors	40,337.7	--	--	2,204.0	14.7	5,438.2	4,025.2	1.5
Faucets	3,761.4	22.2	101.3	1,211.1	7.6	1,680.4	3,010.2	0.0
Gas fireplaces	--	13.3	--	600.8	3.8	701.4	255.2	0.8
High CRI fluorescent lamps	883.4	--	--	54.8	1.1	128.5	95.1	2.4
Portable electric spas	1,874.6	--	--	102.3	0.7	252.5	324.0	1.7
Showerheads	8,350.3	35.2	150.7	2,046.4	12.8	2,980.7	5,023.1	0.0
Spray sprinkler bodies	--	--	937.3	--	--	--	7,590.6	1.3
Toilets (water closets)	--	--	123.0	--	--	--	2,408.1	0.0
Urinals	--	--	9.6	--	--	--	185.9	0.0
Water coolers	4,323.5	--	--	234.1	1.4	579.7	415.1	0.0
Total	**100,036**	**162**	**1,354**	**12,780**	**83**	**22,036**	**28,867**	**–**

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