

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

Savings estimates for: Idaho

	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)
Air compressors	1.7	--	--	0.4	0.1	0.4	4.9	--	--	1.4	0.4	1.1
Air purifiers	7.6	--	--	2.0	0.6	1.8	15.1	--	--	4.3	1.2	3.6
Commercial dishwashers	0.9	21	29	1.2	0.1	1.3	2.6	61	84	3.5	0.2	3.8
Commercial fryers	0.1	78	--	3.6	0.01	4.2	0.4	207	--	9.5	0.03	11.1
Commercial hot-food holding cabinets	0.9	--	--	0.2	0.1	0.2	2.4	--	--	0.7	0.2	0.6
Commercial steam cookers	1.5	8	26	0.8	0.1	0.8	4.1	22	69	2.2	0.3	2.1
Computers and computer monitors	31.4	--	--	8.2	2.7	7.5	39.4	--	--	11.2	3.1	9.3
Faucets	10.5	124	418	8.4	0.9	9.0	23.3	271	921	19.0	1.9	20.0
High CRI fluorescent lamps	10.9	--	--	2.9	0.9	2.6	3.6	--	--	1.0	0.3	0.8
Portable air conditioners	2.3	--	--	0.6	0.2	0.5	6.9	--	--	2.0	0.6	1.7
Portable electric spas	2.0	--	--	0.5	0.2	0.5	4.4	--	--	1.3	0.3	1.1
Residential ventilating fans	0.9	--	--	0.2	0.1	0.2	2.1	--	--	0.6	0.2	0.5
Showerheads	7.4	85	199	5.8	0.6	6.3	16.5	190	442	13.3	1.3	14.0
Spray sprinkler bodies	--	--	1,601	--	--	--	--	--	3,201	--	--	--
Toilets (water closets)	--	--	112	--	--	--	--	--	350	--	--	--
Uninterruptible power supplies	5.8	--	--	1.5	0.5	1.4	7.8	--	--	2.2	0.6	1.8
Urinals	--	--	15	--	--	--	--	--	41	--	--	--
Water coolers	1.6	--	--	0.4	0.1	0.4	3.6	--	--	1.0	0.3	0.8
Total	86	316	2,399	37	7	37	137	751	5,108	73	11	72

Assuming a compliance date of 2021 for almost all the recommended standards. Totals may not sum due to rounding.

	Potential annual utility bill savings (million 2017\$)		Net present value savings (million 2017\$)	Benefit-cost ratio	Payback period (years)
	In 2025	In 2035			
Air compressors	0.1	0.3	1.1	2.4	4.1
Air purifiers	0.8	1.8	6.7	2.1	4.0
Commercial dishwashers	0.6	1.9	11.2	9.0	1.2
Commercial fryers	0.7	2.0	7.4	2.2	4.4
Commercial hot-food holding cabinets	0.1	0.2	0.7	2.3	4.0
Commercial steam cookers	0.5	1.4	8.7	9.7	1.1
Computers and computer monitors	2.7	3.7	12.0	1.7	3.1
Faucets	6.8	17.1	122.5	no cost	0.0
High CRI fluorescent lamps	0.8	0.3	3.1	2.1	3.5
Portable air conditioners	0.2	0.8	3.3	2.6	3.6
Portable electric spas	0.2	0.5	3.6	no cost	0.0
Residential ventilating fans	0.1	0.2	1.7	no cost	0.0
Showerheads	3.7	9.4	67.2	no cost	0.0
Spray sprinkler bodies	17.9	41.2	260.7	8.0	1.1
Toilets (water closets)	1.2	4.5	40.2	no cost	0.0
Uninterruptible power supplies	0.4	0.6	2.2	1.8	2.9
Urinals	0.2	0.5	3.6	no cost	0.0
Water coolers	0.1	0.3	2.0	no cost	0.0
Total	37	87	558	8.1	-

Assuming a compliance date of 2021 for almost all the recommended standards. Net present value savings take into account both utility bill savings and estimated impacts on product costs for items sold between 2021 and 2035. Totals may not sum due to rounding. The total benefit-cost ratio is calculated as the present value of the total utility bill savings from products sold through 2035 for the package of recommended standards divided by the present value of the total additional costs.

Cumulative savings estimates for: Idaho

	Potential cumulative savings through 2035					
	Electricity (GWh)	Natural gas (TBtu)	Water (billion gallons)	NO _x (tons)	SO ₂ (tons)	CO ₂ (thous. MT)
Air compressors	42	--	--	11.7	3.4	9.8
Air purifiers	159	--	--	44.5	12.9	37.2
Commercial dishwashers	21	0.5	0.7	29.2	1.7	32.1
Commercial fryers	3	1.9	--	85.9	0.3	99.9
Commercial hot-food holding cabinets	22	--	--	6.2	1.8	5.2
Commercial steam cookers	37	0.2	0.6	19.2	3.0	19.1
Computers and computer monitors	477	--	--	133.5	38.9	113.1
Faucets	233	2.7	9.2	189.6	18.9	199.4
High CRI fluorescent lamps	111	--	--	30.9	9.2	27.2
Portable air conditioners	61	--	--	17.1	4.9	14.2
Portable electric spas	44	--	--	12.3	3.6	10.3
Residential ventilating fans	21	--	--	5.8	1.7	4.8
Showerheads	165	1.9	4.4	132.7	13.4	139.5
Spray sprinkler bodies	--	--	33.6	--	--	--
Toilets (water closets)	--	--	2.8	--	--	--
Uninterruptible power supplies	94	--	--	26.3	7.6	22.3
Urinals	--	--	0.4	--	--	--
Water coolers	36	--	--	10.2	2.9	8.6
Total	1,525	7	52	755	124	743

Assuming a compliance date of 2021 for almost all the recommended standards. Totals may not sum due to rounding.