

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

Savings estimates for: Wyoming

	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	2.0	--	--	0.8	0.2	0.7	5.7	--	--	2.2	0.5	1.8
Air purifiers	2.9	--	--	1.1	0.3	1.0	5.8	--	--	2.3	0.5	1.9
Commercial dishwashers	0.3	7	10	0.4	0.03	0.5	0.9	20	29	1.3	0.1	1.4
Commercial fryers	0.0	26	--	1.2	0.004	1.4	0.1	70	--	3.2	0.01	3.8
Commercial hot-food holding cabinets	0.3	--	--	0.1	0.03	0.1	0.8	--	--	0.3	0.1	0.3
Commercial steam cookers	0.5	3	9	0.3	0.05	0.3	1.4	7	23	0.9	0.1	0.8
Computers and computer monitors	15.3	--	--	6.1	1.4	5.3	19.3	--	--	7.5	1.6	6.2
Faucets	3.7	44	148	3.5	0.3	3.6	8.3	96	327	7.6	0.7	7.8
High CRI fluorescent lamps	6.2	--	--	2.4	0.6	2.2	1.8	--	--	0.7	0.1	0.6
Portable air conditioners	0.9	--	--	0.3	0.1	0.3	2.6	--	--	1.0	0.2	0.9
Portable electric spas	0.8	--	--	0.3	0.1	0.3	1.7	--	--	0.7	0.1	0.6
Residential ventilating fans	0.4	--	--	0.1	0.03	0.1	0.8	--	--	0.3	0.1	0.3
Showerheads	2.6	30	71	2.4	0.2	2.5	5.9	67	157	5.4	0.5	5.5
Spray sprinkler bodies	--	--	423	--	--	--	--	--	846	--	--	--
Toilets (water closets)	--	--	39	--	--	--	--	--	123	--	--	--
Uninterruptible power supplies	3.2	--	--	1.3	0.3	1.1	4.4	--	--	1.7	0.4	1.4
Urinals	--	--	5	--	--	--	--	--	14	--	--	--
Water coolers	1.0	--	--	0.4	0.1	0.3	2.1	--	--	0.8	0.2	0.7
Total	40	110	705	21	4	20	62	262	1,519	36	5	34

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	0.4	1.5	2.6	3.9
Air purifiers	0.3	0.8	3.3	2.4	3.5
Commercial dishwashers	0.2	0.6	3.9	9.1	1.2
Commercial fryers	0.2	0.7	2.4	2.1	4.5
Commercial hot-food holding cabinets	0.03	0.1	0.3	2.9	3.3
Commercial steam cookers	0.2	0.5	3.1	10.2	1.0
Computers and computer monitors	1.5	2.1	8.0	2.0	2.6
Faucets	2.6	6.4	45.6	no cost	0.0
High CRI fluorescent lamps	0.6	0.2	2.4	2.7	2.7
Portable air conditioners	0.1	0.4	1.5	3.0	3.1
Portable electric spas	0.1	0.2	1.7	no cost	0.0
Residential ventilating fans	0.04	0.1	0.7	no cost	0.0
Showerheads	1.4	3.5	25.4	no cost	0.0
Spray sprinkler bodies	4.7	10.9	68.9	8.0	1.1
Toilets (water closets)	0.4	1.6	14.2	no cost	0.0
Uninterruptible power supplies	0.3	0.4	1.9	2.2	2.4
Urinals	0.1	0.2	1.2	no cost	0.0
Water coolers	0.1	0.2	1.4	no cost	0.0
Total	13	29	187	7.6	-

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: Wyoming

	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	49	--	--	19.5	4.2	16.3
Air purifiers	60	--	--	24.2	5.3	19.8
Commercial dishwashers	7	0.2	0.2	10.7	0.6	11.5
Commercial fryers	1	0.6	--	29.1	0.1	33.8
Commercial hot-food holding cabinets	7	--	--	3.0	0.6	2.5
Commercial steam cookers	12	0.1	0.2	8.0	1.1	7.7
Computers and computer monitors	233	--	--	93.4	20.5	78.4
Faucets	83	1.0	3.3	77.2	7.2	78.5
High CRI fluorescent lamps	61	--	--	24.7	5.5	21.5
Portable air conditioners	23	--	--	9.2	2.0	7.5
Portable electric spas	17	--	--	7.0	1.5	5.7
Residential ventilating fans	8	--	--	3.1	0.7	2.6
Showerheads	59	0.7	1.6	54.1	5.1	55.0
Spray sprinkler bodies	--	--	8.9	--	--	--
Toilets (water closets)	--	--	1.0	--	--	--
Uninterruptible power supplies	53	--	--	21.0	4.6	17.8
Urinals	--	--	0.1	--	--	--
Water coolers	21	--	--	8.5	1.9	7.1
Total	695	3	15	393	61	366

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