

Appliance Standards Awareness Project

2019 State Appliance Standards Recommendations

Savings estimates for: Oregon

	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	2.7	--	--	0.7	0.2	0.6	7.7	--	--	2.2	0.6	1.8
Air purifiers	19.6	--	--	5.1	1.7	4.6	39.2	--	--	11.2	3.1	9.4
Commercial dishwashers	2.1	50	69	2.8	0.2	3.1	6.2	146	204	8.4	0.5	9.2
Commercial fryers	0.3	188	--	8.6	0.03	10.0	0.9	500	--	23.0	0.1	26.8
Commercial steam cookers	3.7	20	63	1.9	0.3	1.9	9.8	52	167	5.2	0.8	5.1
Computers and computer monitors	111.5	--	--	29.2	9.5	26.6	140.1	--	--	40.0	11.2	32.8
Faucets	55.6	146	1,015	21.2	4.8	20.7	123.6	315	2,236	49.6	9.9	46.5
High CRI fluorescent lamps	42.4	--	--	11.1	3.6	10.2	12.1	--	--	3.5	1.0	2.8
Portable air conditioners	10.0	--	--	2.6	0.9	2.3	30.1	--	--	8.6	2.4	7.2
Portable electric spas	6.6	--	--	1.7	0.6	1.5	14.6	--	--	4.2	1.2	3.5
Residential ventilating fans	2.4	--	--	0.6	0.2	0.6	5.3	--	--	1.5	0.4	1.3
Showerheads	39.3	98	483	14.8	3.4	14.4	87.4	218	1,073	34.8	7.0	32.6
Spray sprinkler bodies	--	--	1,936	--	--	--	--	--	3,871	--	--	--
Toilets (water closets)	--	--	272	--	--	--	--	--	850	--	--	--
Uninterruptible power supplies	24.3	--	--	6.4	2.1	5.9	32.9	--	--	9.4	2.6	7.6
Urinals	--	--	37	--	--	--	--	--	99	--	--	--
Water coolers	4.2	--	--	1.1	0.4	1.0	9.4	--	--	2.7	0.7	2.2
Total	325	500	3,875	108	28	104	519	1,232	8,500	204	41	189

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	1.4	2.1	4.5
Air purifiers	2.1	4.9	19.4	2.2	3.7
Commercial dishwashers	1.6	5.1	31.6	10.3	1.2
Commercial fryers	2.5	7.0	31.5	3.1	3.7
Commercial steam cookers	1.3	3.7	23.1	10.6	1.0
Computers and computer monitors	10.0	13.5	45.9	1.8	2.9
Faucets	19.2	48.2	343.7	no cost	0.0
High CRI fluorescent lamps	3.5	1.2	13.9	2.4	3.0
Portable air conditioners	1.1	3.7	15.5	2.8	3.4
Portable electric spas	0.7	1.8	12.9	no cost	0.0
Residential ventilating fans	0.3	0.7	4.7	no cost	0.0
Showerheads	10.9	27.4	195.7	no cost	0.0
Spray sprinkler bodies	21.6	49.8	315.3	8.0	1.1
Toilets (water closets)	3.0	10.9	97.6	no cost	0.0
Uninterruptible power supplies	2.0	2.8	11.1	2.0	2.7
Urinals	0.4	1.3	8.7	no cost	0.0
Water coolers	0.3	0.8	5.6	no cost	0.0
Total	81	183	1,177	7.8	-

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: Oregon

	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	65	--	--	18.3	5.3	15.4
Air purifiers	411	--	--	115.4	33.4	96.4
Commercial dishwashers	52	1.2	1.7	70.4	4.2	77.4
Commercial fryers	8	4.5	--	207.3	0.7	241.1
Commercial steam cookers	89	0.5	1.5	46.4	7.2	46.0
Computers and computer monitors	1,696	--	--	474.8	138.3	403.0
Faucets	1,236	3.2	22.4	491.8	100.3	458.5
High CRI fluorescent lamps	419	--	--	116.5	34.7	102.8
Portable air conditioners	263	--	--	74.1	21.3	61.7
Portable electric spas	146	--	--	40.9	11.8	34.2
Residential ventilating fans	53	--	--	15.0	4.3	12.5
Showerheads	874	2.2	10.7	344.6	70.9	320.6
Spray sprinkler bodies	--	--	40.6	--	--	--
Toilets (water closets)	--	--	6.7	--	--	--
Uninterruptible power supplies	393	--	--	110.2	32.1	93.8
Urinals	--	--	0.9	--	--	--
Water coolers	94	--	--	26.3	7.6	22.2
Total	5,800	12	85	2,152	472	1,986

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