

## Oregon State-Level Benefits from Proposed Appliance Standards in SB 692 -2

<b>Product</b>	<b>Annual Savings Per Unit</b>	<b>Avg. Cost per Unit (upgrade only)</b>	<b>Annual Electricity/Water Savings in 2020</b>	<b>Annual Value of Bill Savings in 2020 (Millions/YR)</b>	<b>Pay Back Period (Years)</b>	<b>Total Economic Value [Millions (2011\$)]</b>
Small Battery Chargers	10 kWh	\$ 2	209 GWh	\$14.6	1.6 Years	\$58.5
Large Battery Chargers	3,294 kWh	\$343	16 GWh	\$1.1	1.1 Years	\$4.5
Lighting	329 kWh	\$28	5.0 GWh	\$5.0	1.0 Years	\$21.4
Toilets (five year savings starting in 2016)	795 gallons	\$0	.213 billion gallons	\$1.633	NA	\$34.9
Urinals (five year savings starting in 2016)	2,340 gallons	\$0	-	\$0.071	NA	\$1.3
Faucets (five year savings starting in 2016)	292 gallons 1 therm 16 kWh	\$4	6.7 GWh 46.1 BBtu .142 billion gallons	\$2.059	0.8 Years	\$42.2
Televisions (savings per household, 2.3 TVs /household)	102 kwh	\$0	14,000 MWh	\$1.3	NA	\$5.1

## **Methodology**

### **Energy Savings**

Annual state level savings are generated by multiplying annual state sales figures for each product by per-unit energy savings. Per-unit energy savings are the difference between the energy use of a product just meeting the potential standard and that of a product that just meets the current standard or of a typical product if no current standard exists.

### **Bill Savings**

We calculated annual utility bill savings using the following formula:

Annual utility bill savings = electricity savings x average electricity price + natural gas savings x average natural gas price + water savings x average water price