

Hawaii Appliance Efficiency Standards

SB 1323 / HB 556

Basics of appliance efficiency standards

HAWAII BUSINESSES AND RESIDENTS PAY THE HIGHEST ELECTRICITY RATES IN THE NATION. EFFICIENCY STANDARDS ENSURE THAT THE PRODUCTS WE PURCHASE USE LESS ENERGY AND WATER WHILE ENSURING QUALITY, AFFORDABILITY, AND PROGRESS TOWARD OUR CLEAN ENERGY AND CLIMATE GOALS.

- Set a minimum level of energy and water efficiency for certain household and commercial appliances.
- Piggyback off of California standards for easy implementation.
- Provide substantial savings for consumers and businesses.
- Encourage innovative water- and energy-saving technologies.
- Protect consumers against manufacturers who would otherwise sell the less efficient appliances that they can't sell in markets without such protections.

"Those savings are particularly important for low-income households, who struggle to pay their energy bills and are too often faced with termination of vital utility services due to non-payment."

— Charlie Harak, National Consumer Law Center

\$537 MILLION

NET UTILITY BILL SAVINGS HAWAII CONSUMERS AND BUSINESSES COULD SEE OVER 15 YEARS IF THE PROPOSED STANDARDS ARE ADOPTED.

AFFORDABILITY

Consumers and businesses save money on utility bills

JOBS

Local economies get a boost when consumers have more spending money.

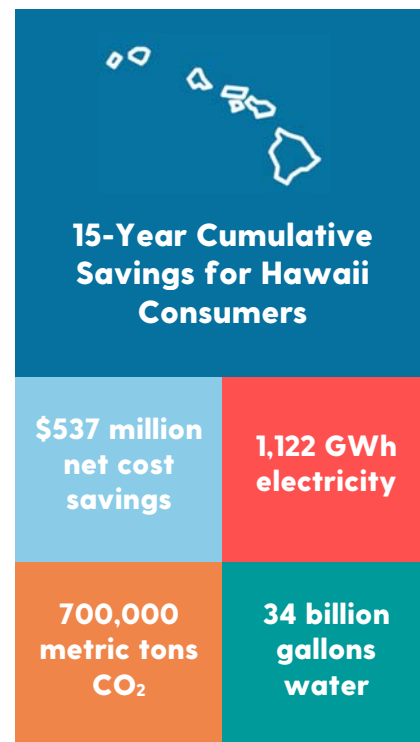
CLEAN ENERGY

Reducing air pollutants and greenhouse gas emissions improve public health and accelerate progress toward meeting our clean energy and climate mitigation targets.

Cost-effective and ready to implement

The standards proposed in SB 1323 and HB 556 are:

- **COST EFFECTIVE:** A number of the products in the bill have no incremental cost, meaning that they don't cost more than inefficient models and consumers will start saving right away. For others, utility bill savings pay back the small incremental cost of products meeting the standards within a few months to one year. After that, savings accrue to the consumers over the lifetime of the product.
- **APPLICABLE TO READILY AVAILABLE PRODUCTS:** Products and technologies meeting the standards are readily available today from multiple manufacturers.
- **IMPLEMENTABLE AT LOW COST:** Each standard is ready to implement because other states are already using or proposing identical standards.



Savings for Hawaii consumers						
	Average lifetime (years)	Per-unit incremental cost (\$)	Per-unit annual savings		Per-unit annual utility bill savings in 2021 (\$/yr)	Lifecycle cost savings (\$)
			Electricity (kWh/yr)	Water (gallons/yr)		
Computers and monitors						
<i>Desktops</i>	5	\$14.27	49	--	\$15.38	\$51.28
<i>Notebooks</i>	4	\$1.02	4	--	\$1.13	\$2.92
<i>Monitors</i>	7	\$5.10	28	--	\$8.69	\$44.17
Faucets						
<i>Residential lavatory</i>	10	\$0	54	651	\$23.67	\$180.39
<i>Kitchen</i>	10	\$0	210	2,543	\$92.53	\$705.23
High CRI fluorescent lamps	15	\$4.34	12	--	\$3.90	\$35.75
Showerheads	10	\$0	303	2,503	\$121.04	\$919.79
Spray sprinkler bodies	9	\$3.34	--	299	\$3.13	\$19.43

Notes: Faucet and showerhead savings assume an electric water heater. High CRI fluorescent lamp costs and savings assume a Type A LED replacement lamp. Lifecycle cost savings are equal to the present value of the lifetime utility bill savings minus the present value of the incremental cost for a product purchased in 2021. Savings and costs are discounted to 2019 using a discount rate of 5%.



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Savings calculations provided by *Appliance Standards Awareness Project (ASAP)*, appliance-standards.org

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