

Appliance Standards Awareness Project
2026 State Clean Lighting
Savings estimates for: District of Columbia

State	Potential annual reductions in 2035			
	Mercury in lamps shipped (lbs)	CO ₂ emissions (thous. MT)	Potential annual electricity savings in 2035 (GWh)	Potential annual electricity bill savings in 2035 (million 2024\$)
District of Columbia	0.4	5	37	6

Assuming a compliance date of 2028.

State	Potential cumulative reductions through 2050			
	Mercury in lamps shipped (lbs)	CO ₂ emissions (thous. MT)	Cumulative electricity savings through 2050 (GWh)	Cumulative electricity bill savings through 2050 (million 2024\$)
District of Columbia	9	71	432	72

Assuming a compliance date of 2028.

Fluorescent vs. LED: Economic analysis for most-shipped lamps (commercial sector)

Fluorescent lamp type	LED incremental cost (2024\$)	First-year electricity bill savings from LED (2024\$)	Life-cycle cost savings from LED (2024\$)	Payback period (years)
4-foot T12 – 40 W	1.43	12.24	61	0.1
4-foot T12 – 34 W	4.71	8.79	49	0.5
4-foot T8	0.55	6.08	37	0.1
4-foot T5	3.08	7.88	52	0.4
4-foot T5 high output	5.45	15.68	102	0.3