

Appliance Standards Awareness Project
2025 State Clean Lighting
Savings estimates for: New York

State	Potential annual reductions in 2030			Potential annual electricity savings in 2030 (GWh)	Potential annual electricity bill savings in 2030 (million 2023\$)
	Mercury in lamps shipped (lbs)	Power plant mercury emissions (lbs)	CO ₂ emissions (thous. MT)		
New York	66.1	0.02	543	1,648	285

Assuming a compliance date of 2027 for linear fluorescent lightbulbs and pin-based compact fluorescent lightbulbs and 2026 for screw-based compact fluorescent lightbulbs.

State	Potential cumulative reductions through 2050			Cumulative electricity savings through 2050 (GWh)	Cumulative electricity bill savings through 2050 (million 2023\$)
	Mercury in lamps shipped (lbs)	Power plant mercury emissions (lbs)	CO ₂ emissions (thous. MT)		
New York	570	0.1	6,047	24,867	4,647

Assuming a compliance date of 2027 for linear fluorescent lightbulbs and pin-based compact fluorescent lightbulbs and 2026 for screw-based compact fluorescent lightbulbs.

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

Fluorescent lamp type	LED incremental cost (2023\$)	First-year electricity bill savings from LED (2023\$)	Life-cycle cost savings from LED (2023\$)	Payback period (years)
4-foot T12 – 40 W	2.32	14.18	71	0.2
4-foot T12 – 34 W	3.56	10.18	58	0.3
4-foot T8	0.12	6.89	43	0.02
4-foot T5	1.55	9.13	63	0.2
4-foot T5 high output	4.23	18.13	121	0.2
Pin-based CFL	2.29	11.21	34	0.2