Appliance Standards Awareness Project

2026 State Clean Lighting

Savings estimates for: North Dakota

State	Potential annual reductions in 2035		Potential annual electricity savings in 2035 (GWh)	Potential annual electricity bill savings in 2035 (million 2024$)
	Mercury in lamps shipped (lbs)	CO_2 emissions (thous. MT)		
North Dakota	0.8	3	69	5

Assuming a compliance date of 2028.

State	Potential cumulative reductions through 2050		Cumulative electricity savings through 2050 (GWh)	Cumulative electricity bill savings through 2050 (million 2024$)
	Mercury in lamps shipped (lbs)	CO_2 emissions (thous. MT)		
North Dakota	16	60	801	64

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	5.53	29	0.3
4-foot T12 – 34 W	4.71	3.97	21	1.2
4-foot T8	0.55	2.75	18	0.2
4-foot T5	3.08	3.56	24	0.9
4-foot T5 high output	5.45	7.09	46	0.8