

NYPIRG ANALYSIS: Comparison chart of targets in New York’s Climate Leadership and Protection Act to IPCC and other state goals

	IPCC 2018 report ¹	New York Climate Leadership and Protection Act ²	California	Colorado	Hawaii	Massachusetts	New Jersey	New Mexico	Washington
GHG Reductions³	45% below 2010 levels by 2030, net zero by 2050	85% below 1990 levels by 2050, net-zero emissions by 2050	80% below 1990 levels by 2050, interim target of 40% below 1990 levels by 2030 via executive order	90% below 2005 levels by 2050, interim goal of 50% below 2005 levels by 2030	Carbon neutral by 2045	80% below 1990 levels by 2050	80% below 2006 levels by 2050	45% below 2005 levels by 2030	50% below 1990 levels by 2050
Electricity	70-85% renewables by 2050	70% renewable energy by 2030, zero-emissions by 2040	100% carbon-free electricity by 2045, 60% renewable that isn't hydro by 2030 ⁴	zero-carbon from Xcel Energy by 2050	100% renewable by 2045	100% low-carbon electricity by 2050, minimum 60% renewable electricity	50% renewable electricity by 2030	50% carbon free by 2030, 80% by 2040, carbon-free by 2050	carbon-neutral electricity by 2030, carbon-free by 2045
Solar⁵	N/A	6 GW by 2025 in bill, currently has 1.7 GW	Currently has 23 GW	Currently has 1.2 GW	Currently has .97 GW (967 MW)	Currently has 2.5 GW	Currently has 2.8 GW	Currently has 0.8 GW (799 MW)	Currently has 0.186 GW (186 MW)
Wind⁶	N/A	9 GW off-shore wind by 2035, currently has approximately 2 GW wind	Currently has 6 GW	Currently has 3.7 GW	Currently has 0.2 GW (206 MW)	Currently has 0.1 GW (113 MW)	Currently has 0.009 GW (9 MW)	Currently has 1.7 GW	Currently has 3 GW
Energy efficiency⁷	N/A	Statewide energy efficiency goal of 185 trillion BTU reduction from 2025 projections							
Energy storage⁸	N/A	3 GW by 2030							

¹ The United Nation's Intergovernmental Panel on Climate Change (IPCC), "Special Report: Global Warming of 1.5 °C Summary for Policy Makers," 2018, <https://www.ipcc.ch/sr15/chapter/summary-for-policy-makers/>

² New York Senate Bill 6599, 2019

³ For all columns but IPCC and NY: Center for Climate and Energy Solutions, "U.S. State Greenhouse Gas Emissions Targets," February 2019, <https://www.c2es.org/document/greenhouse-gas-emissions-targets/>

⁴ For all columns but IPCC and NY: Clean Air Task Force, "Fact Sheet: State and utility climate change targets shift to carbon reductions, technology Diversity," May 2019, <https://www.catf.us/wp-content/uploads/2019/05/State-and-Utility-Climate-Change-Targets.pdf>; and David Roberts, "This one weird trick can help any state or city pass clean energy policy," Vox, June 3, 2019, <https://www.vox.com/energy-and-environment/2019/5/15/18624294/renewable-energy-policy-cities-states>

⁵ Solar Energy Industries Association, "Solar State by State," 2019, <https://www.seia.org/states-map>

⁶ American Wind Energy Association, "Wind Facts at a Glance," 2019, <https://www.awea.org/wind-101/basics-of-wind-energy/wind-facts-at-a-glance>

⁷ The energy efficiency goal for New York is included because it is included in the Climate Leadership and Community Protection Act. Other states listed may have energy efficiency goals as well, but are more difficult to track.

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