

Summary of State 100% Clean Energy Legislation (August 2019)



Jurisdiction	Renewable Portfolio Standard (RPS), Clean Energy Standard (CES), or Carbon Reduction	% of US population	% of US electricity consumption	Target year for 100% goal	Interim Targets	Eligible Resources	Social Cost of Carbon	Equity Highlights	Worker Transition
California	CES	12.1%	7.0%	2045 (100% zero-carbon electricity, at least 60% renewable mandate)	<p>Increase retail sales to:</p> <ul style="list-style-type: none"> - 33% renewable by 2020 - 44% renewable by 2024 - 52% renewable by 2027 - 60% renewable by 2030 	<p>Renewable Sources: solar, wind, geothermal, biomass, biogas, small hydropower, ocean wave or tidal, or fuel cells using renewable fuels</p> <p>Carbon-Free Sources: large hydroelectric, nuclear</p>	N/A	N/A	N/A
District of Columbia	RPS	0.2%	0.3%	2032 (100% renewable mandate)	<ul style="list-style-type: none"> - Annual renewable increase with specific solar carve - 2024: 45% renewable, 3.15% solar - 2029: 80% renewable, 4.75% solar - 2023: 100% renewable, 5.5% solar - 2039: 100% renewable, 9% solar 	<p>Renewable Sources: solar, geothermal, wind, biomass, hydroelectric, landfill gas, tidal, wave, fuel cells using renewable fuels</p>	N/A	30% of funds generated from energy efficiency measures must benefit low-income residents or workforce development programs	30% of funds generated from energy efficiency measures must benefit low-income residents or workforce development programs
Hawaii	RPS	0.4%	0.3%	2045 (100% renewable electricity mandate)	<p>Increase Renewable Portfolio Standard to:</p> <ul style="list-style-type: none"> - 30% by 2020 - 70% by 2040 	<p>Renewable Sources: solar, geothermal, wind, biomass, hydroelectric, hydrogen, municipal solid waste, combined heat & power, landfill gas, tidal, wave, anaerobic digestion, and fuel cells using renewable fuels</p>	N/A	N/A	N/A
Maine	RPS	0.4%	0.3%	2050 (100% renewable electricity goal)	<p>Increase Renewable Portfolio Standard to:</p> <ul style="list-style-type: none"> - 80% by 2030 - 100% by 2050 	<p>Renewable Sources: Capacity not to exceed 100 MW; fuel cells; tidal power; solar; wind; geothermal; hydroelectric; biomass (wood or wood waste), landfill gas or anaerobic digestion; municipal solid waste with recycling</p>	N/A	N/A	N/A
Nevada	RPS and Carbon Reduction	0.9%	0.9%	2050 (goal of 100% carbon-free electricity, mandate for 50% renewable electricity by 2030)	<p>Increase retail sales to:</p> <ul style="list-style-type: none"> - 24% renewable by 2021 - 29% renewable by 2022 - 34% renewable by 2027 - 50% renewable by 2030 - 100% GHG neutral by 2030 - 100% carbon-free by 2050 	<p>Renewable Sources: biomass, geothermal energy, solar energy, waterpower and wind, hydropower</p>	N/A	N/A	N/A
New Mexico	CES	0.6%	0.6%	<p>2045 (100% zero-carbon electricity for the state's investor-owned utilities);</p> <p>2050 (100% zero-carbon electricity for all rural cooperative utilities)</p>	<p>Increase retail sales to:</p> <ul style="list-style-type: none"> -20% renewable by 2020 -40% renewable by 2025 -50% renewable by 2030; -80% renewable by 2040 -100% zero-carbon energy by 2045 	<p>Renewable Sources: solar, wind, geothermal, hydropower, fuel cells, biomass, biogas</p> <p>Zero Carbon: emits no carbon dioxide, or reduces methane into the atmosphere in an amount equal to no less than 1/10th of carbon dioxide emitted into the atmosphere</p>	N/A	Establishes the Energy Transition Indian Affairs Fund to support tribal communities in the transition	<p>Establishes the Energy Transition Economic Development Fund to support businesses that hire displaced workers</p> <p>Establishes the Energy Transition Displaced Worker Assistance Fund to support displaced workers</p> <p>Establishes Community Advisory Committee to oversee funds</p>

New York	RPS and Carbon Reduction	6.1%	4.0%	<p>2040 (100% carbon-free electricity, mandate 70% renewable by 2030);</p> <p>2050 (85% GHG emissions reductions economy-wide)</p>	<p>Economy-wide carbon reduction goals:</p> <ul style="list-style-type: none"> - 2030: 60% of 1990 emissions - 2050: 15% of 1990 emissions <p>Electric sector goals:</p> <ul style="list-style-type: none"> - 70% renewable by 2030 - 100% carbon-free by 2040 	<p>Specific Resource Targets: achieve 6 GW of distributed solar energy capacity by 2025, 9 GW of offshore wind capacity by 2035, a statewide energy efficiency goal of 185 trillion btus energy reduction from the 2025 forecast, and 3 GW of statewide energy storage capacity by 2030</p> <p>Prohibited: waste-to-energy projects and bio fuels</p>	By 2021, establish a social cost of carbon for use by state agencies expressed in terms of dollars per ton of carbon dioxide equivalent.	Establishes a Climate Justice Working Group. At least 35% of funds generated from this article will support clean energy and energy efficiency programs, housing, workforce development, pollution reduction, low-income energy assistance, energy, and transportation in disadvantaged communities	<p>Creates a Just Transition group to advise on workforce development and training related to energy efficiency and renewable energy, with a focus on opportunities for disadvantaged communities and those underrepresented in the clean energy workforce</p> <p>This group will conduct a study that summarizes existing jobs, jobs needed, and workforce disruption required to counter climate change</p>
Puerto Rico	RPS	1.1%	0.5%	2050 (100% renewable electricity mandate)	<ul style="list-style-type: none"> - 2025: 40% renewable electricity - 2028: eliminate coal 	<p>Renewable Sources: geothermal, solar, wind, biomass, hydroelectric, landfill gas, tidal, anaerobic digestion, fuel cells using renewable fuels, landfill gas</p>	N/A	Includes a goal for electricity consumer costs to go down to \$0.20 / kWh	N/A
Washington	CES	2.3%	2.5%	<p>2030 (100% carbon-neutral electricity);</p> <p>2045 (100% clean energy)</p>	<ul style="list-style-type: none"> - 2026: electric utilities must eliminate coal-fired resources - 2030: all retail sales of electricity must be greenhouse-gas neutral - 2045: all retail sales of electricity must be supplied by 100% carbon-neutral resources 	<p>Renewable Sources: water, wind, solar, geothermal, renewable natural gas, renewable hydrogen, wave power, ocean power, tidal power, biodiesel, biomass energy</p>	Requires electric utilities to consider the social cost of GHG emissions, when developing integrated resource plans and clean energy action plans, and incorporate the social cost of GHG emissions as a cost adder	<p>Requires that all utility customers benefit from the transition to clean energy through equitable distribution of benefits and the reduction of burdens to vulnerable populations and highly impacted communities.</p> <p>Utilities must make programs and funding available for energy assistance programs by July 31, 2021</p> <p>Beginning July, 31 2020, the state must collect and aggregate data estimating energy burden and energy assistant need and reported energy assistance for each utility</p>	N/A