

The California Energy Commission's Reliability, Renewable Energy & Decarbonization Incentives Division (RREDI) develops and administers the state's renewable energy, grid reliability, and building decarbonization incentive programs, which are helping California achieve its 100 percent clean energy goal and combating climate change.



BERKELEY, Calif. -- University of California, Berkeley, Chancellor Carol Christ signed a memorandum of understanding last week committing the Berkeley campus to 100 percent clean, renewable energy by 2050.



Among many clean energy advocates, Kathryn Phillips, the director of Sierra Club California posits: "Getting 100 percent renewable is 100 percent possible and 200 percent necessary. SB 100 responds to what survey after ???

100 PERCENT RENEWABLE ENERGY CALIFORNIA



California lawmakers seem to agree. They rewrote the bill, changing it from a 100 percent renewable regulatory requirement to a 100 percent greenhouse gas-free energy goal. That means it could include nuclear energy, large hydropower dams, or even natural gas power plants, if they capture their carbon emissions.

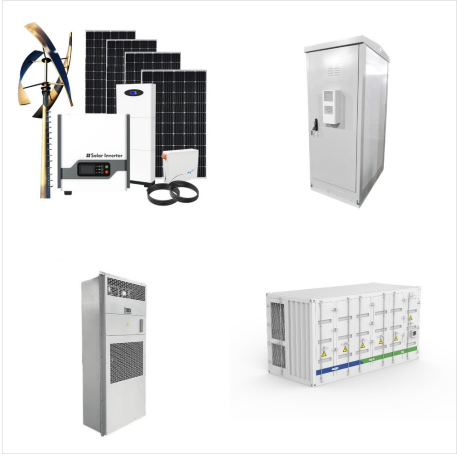


WHAT YOU NEED TO KNOW: Governor Newsom announced the "Building the Electricity Grid of the Future: California's Clean Energy Transition Plan" today, showing how California will reach our goal of 100% clean electricity by 2045, while keeping costs affordable and maximizing our energy supply through this transition. RICHMOND ??? California has an ???



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In 2023, California was the nation's fourth-largest electricity producer and accounted for about 5% of all U.S. utility-scale (1-megawatt and larger) power generation. 22 Renewable resources, including hydropower and small-scale (less than 1-megawatt) customer-sited solar photovoltaic (PV) systems, supplied 54% of California's total in-state electricity ???



As Earth Month drew to a close, the state of California was recently able to produce virtually all of their energy needs from renewable sources for the first time ever.. In early April, the state achieved a new record at 97.6% renewable power, and on ???



If adopted by CARB, this plan will be a critical component of Governor Newsom's California Climate Commitment ??? a set of world-leading actions to build out a 100% clean energy grid, achieve carbon neutrality by 2045, ramp up carbon removal and sequestration, protect Californians from harmful oil drilling, and invest \$54 billion to forge an

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SB 100 (De Leon, 2018), the 100 Percent Clean Energy Act of 2018, requires California's renewable energy and zero-carbon resources to supply 100 percent of electric retail sales to end-use customers, and 100 percent of electricity procured to serve state agencies, by 2045. The bill requires that the transition to a 100% renewable and zero



Our state established a landmark policy (SB 100, 2018) requiring 100% of our electricity to come from renewable energy and zero-carbon resources by 2045. This plan marks our progress ???



SACRAMENTO ??? Non-fossil-fuel sources now make up 61 percent of retail electricity sales in California thanks to historic investment that has led to an extraordinary pace of development in new clean energy generation, according to the latest data compiled by the California Energy Commission (CEC). Sources eligible under the Renewables Portfolio ???

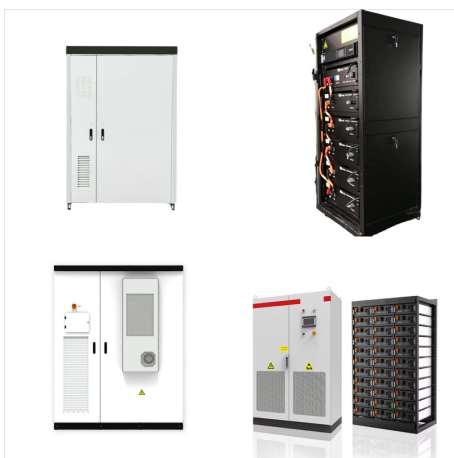
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From January to mid-July of this year, zero-carbon, renewable energy exceeded demand in California for 945 hours during 146 days ??? equivalent to a month-and-a-half of 100% fossil-fuel-free electricity, according to the California Energy Commission, the state agency ???



SACRAMENTO ??? The latest data from the California Energy Commission (CEC) shows that in 2021 more than 37 percent of the state's electricity came from Renewables Portfolio Standard (RPS)-eligible sources ???



Clean Energy California Bill Aims for 100 Percent Renewable Energy by 2045 Under legislation proposed by State Sen. Kevin de Leon, the state would dramatically ramp up efforts to decarbonize its grid.

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SB 100 Review PUC 399.11(a), 454.53 (a)
Establishes 100% Policy. It is the policy of the state that . eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales. of electricity to California end-use customers by December 31, 2045 and 100 percent of electricity procured to serve all state agencies



Recent analyses have included RPS-certified renewable, large hydroelectric, and nuclear (Clean Energy) resources in the evaluation of reaching the goal of serving 100 percent of California's retail sales and state loads with RPS-certified renewable and ???



This policy tool has created an opportunity for local governments to successfully advance clean energy goals, enabling those with 100 percent renewables targets to achieve them today. As a result, these communities and CCAs more broadly are having both direct and indirect effects on California's total rate of renewable energy,

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Senate Bill 100 (SB 100) The 100 Percent Clean Energy Act of 2018, (Senate Bill 100, De Leon, Chapter 312, Statutes of 2018) is a landmark policy that establishes a target for renewable and zero-carbon resources to supply 100 percent of retail sales and electricity procured to serve all state agencies by 2045.



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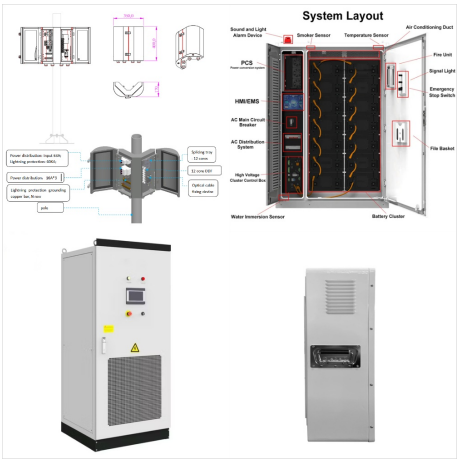
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To examine what it would take to achieve a net-zero U.S. power grid by 2035, NREL leveraged decades of research on high-renewable power systems, from the Renewable Electricity Futures Study, to the Storage Futures Study, to the Los Angeles 100% Renewable Energy Study, to the Electrification Futures Study, and more.



About the California Energy Commission. The California Energy Commission is leading the state to a 100 percent clean energy future. It has seven core responsibilities: developing renewable energy, transforming transportation, increasing energy efficiency, investing in energy innovation, advancing state energy policy, certifying thermal power plants, and ???

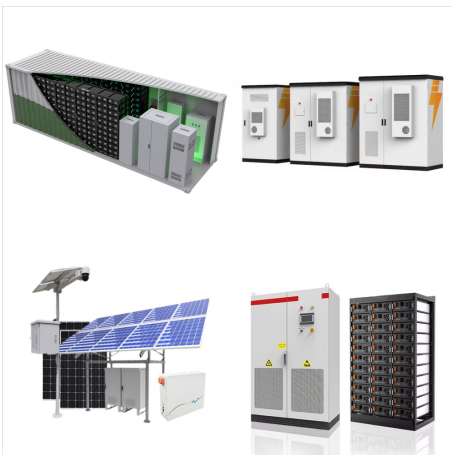


SB 100 advances the state's existing Renewables Portfolio Standard, which establishes how much of the electricity system should be powered from renewable energy resources, to 50 percent by 2025 and 60 percent by 2030. It also puts California on the bold path to implement a zero-carbon electricity grid by 2045.

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"that eligible renewable energy resources and zero-carbon resources supply prescriptive list of technologies that will be eligible under a 100 percent clean electricity program. Rather, the list approximates technologies that could meet extrapolation from the 2019 Integrated Energy Policy Report California Energy Demand Forecast,⁷ as



California's total energy consumption is second-highest in the nation but the state's per capita energy consumption is the fourth-lowest, due in part to its mild climate and its energy efficiency programs. [2] The percentage of renewable energy in California is perhaps made more notable by the particularly high population of the state, states with similar or higher percentages of ???



Senate Bill 100 (2018) requires 100 percent of California's electric retail sales be supplied by renewable and zero-carbon energy sources by 2045. To keep the state on track, last year Governor Gavin Newsom signed SB 1020, establishing interim targets of 90 percent clean electricity by 2035 and 95 percent by 2040.