

California can achieve 100% renewables by 2045

California is well on its way to having the resources and infrastructure in place to dramatically reduce dependence on fossil fuels and achieve 100% renewables at low-cost while creating new jobs. These are the key components that will be needed:



Efficient Energy Use

Efficiency investments are the most cost-effective way to reduce peak energy use and help homes and businesses schedule consumption when renewable generation is high and electricity is cheaper.



Energy Diversity

Diversifying California's energy mix to include more wind, solar, geothermal and other renewable energy sources will create a more consistent flow of electricity, reducing need for fossil fuels.



High-Capacity Energy Storage

Advanced batteries, pumped hydropower and compressed air are proven ways to absorb electricity when the power is flowing and "discharge" the electricity when it is needed.



Integrated Electric Grid

Pooling power generation across neighboring states gives grid operators the tools to integrate a higher percentage of renewable energy sources and efficiently move clean power when and where it's needed.

↑
OR & WA

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Existing Resources



Solar



Wind



Geothermal