## California ISO's ELECTROCITY ROAD MAP an overview of the major elements of the state's electric grid

Sierra

Pacific

Power

PacifiCorp-West

Balancing Authority of Northern California

**Bonneville** Power

Administration

## Facilitate California's transition to a smarter, cleaner, more reliable and secure energy future

Renewable energy can reduce greenhouse gas emissions and create new jobs. However, solar and wind resources can be less predictable than conventional fossil-fuel and nuclear power plants. They are more dependent on weather and tend to be located far from the population and industrial centers they serve. The ISO has initiatives underway to **expand grid infrastructure** to bring renewable energy online, **assess the operational impacts** of a more renewable resource-based fleet, and better **align market rules and grid operations** with these new technologies. Explore opportunities for regional collaboration and focused technological innovation

The Western electric grid is itself an interconnected network involving dozens of different regulatory, grid management, utility and other organizations. The Western region offers many possibilities for improving the reliability, sustainability, efficiency and security of the electric system we share – including access to vast resources of hydroelectric, geothermal, wind and solar generation. Working together with our neighbors in the West, the ISO will explore regional opportunities to serve our customers better together, rather than separately. In addition, we will **leverage California's track record of technological innovation** in searching for ingenious solutions to better manage the increasingly complex and diverse electric network we all rely.

Western Electricity Coordinating Council (WECC)

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