

# ENSURING RELIABILITY NOW AND INTO THE FUTURE



**IN ADDITION TO ITS ROLE AS THE GUARDIAN** of the electrical grid, the California ISO also performs important and complementary industry functions.

## **Safeguard for the Region**

The ISO hosts one of three Reliability Coordinators for the Western Electricity Coordinating Council (WECC). California/Mexico Reliability Coordinators at the ISO monitor transmission delivery within the interconnected western region, ensuring that system activity in one area does not adversely impact power deliveries in other areas. WECC's service territory extends from Canada to Mexico and includes the provinces of Alberta and British Columbia, the northern portion of Baja California and all or portions of the 14 western states in between.

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## **Coordinator of Proactive Transmission Planning**

The ISO works to foster industry collaboration to ensure the state's electricity infrastructure continues to support reliable grid operations and efficient wholesale markets. Using data from its operations, the ISO analyzes the economic and reliability impacts of transmission congestion and local generation needs and recommends infrastructure improvements. A long range plan is produced by the ISO annually to quantify load growth and system changes and identify new projects that studies indicate should be built for economic and/or reliability reasons. This broad perspective on transmission planning improves customer access to clean, efficient generation and increases overall system reliability.