

PEAK RELIABILITY FACT SHEET

PEAK PROFILE

Peak Reliability's (Peak) two Reliability Coordination Offices (RCO) provide situational awareness and real-time monitoring of the Reliability Coordinator (RC) Area in the Western Interconnection.



Peak's RC Area includes all or parts of 14 western states, British Columbia, and the northern portion of Baja California, Mexico.

Peak is a 501(c)(4) entity operating to "promote and support the social welfare."

Founded: January 1, 2014

Employees: 168¹

Peak Members: 123²

Peak Registered Functions: Peak is listed on the NERC Compliance Registry to perform the RC function as a statutory activity.

Reliability Area: 1.6 million square miles, 110,129 miles of transmission and a population of approximately 74 million.

Peak Offices: Peak has two RCOs, located in Vancouver, Washington, and in Loveland, Colorado. It is headquartered in Vancouver.

MISSION

Peak Reliability shall support and promote the social welfare by endeavoring to ensure reliability by providing real-time interconnection-wide oversight of the Bulk Electric System (BES) within the Peak Reliability footprint, coordinating necessary real-time and seasonal planning and modeling, and ensuring that data critical to the

reliable and efficient operation of the BES is shared appropriately.

Peak Reliability will endeavor at all times to create value by delivering cost-effective services, and engaging in efficient and non-discriminatory practices. To these ends, Peak Reliability will retain registration for, and fulfil the duties of the RC as defined by the North American Electric Reliability Corporation (NERC), and as delegated by the Western Electricity Coordinating Council (WECC), for Peak Reliability's footprint in the Western Interconnection. Further, upon approval by Peak Reliability's Board of Directors, Peak Reliability will perform additional functions that promote BES reliability and support the Peak Reliability Vision.

MEMBERSHIP AND GOVERNANCE

Peak is governed by a seven-member, independent Board of Directors. The Board members are:

Linda A. Capuano	John Meyer
Tim Gage	John Procaro (Chair)
Tom King (Vice Chair)	Brian Silverstein
	Mercedes Walton

Peak membership is open to any person or entity with an interest in the reliable operation of the Western Interconnection BES. Peak membership is divided into six membership classes:

1. Large Transmission Owners
2. Small Transmission Owners
3. Generation Owners and Operators
4. End Users
5. Representatives of State and Provincial Governments
6. Members at Large

Input comes to the Peak Board from the member organizations, from other interested parties and through recommendations from the Peak Member Advisory Committee (MAC). The MAC consists of 15 elected members and includes three representatives elected by each class, 1 through 5.

¹ As of October 12, 2017 ² As of October 12, 2017

ACTIVITIES

Reliability Coordination

The primary role of the RC function is to provide situational awareness, analysis and coordination of the reliable operation of the BES for its RC Area in the operations planning horizon. The RC maintains real-time operating reliability by maintaining a wide-area view (including situational awareness of both transmission and balancing operations), analyzing and communicating pre- and post-contingency system conditions, and coordinating or directing actions to mitigate system issues. Peak ensures that the BES is operated within specific limits, and that system conditions are stable within its RC Area.

Peak also administers the WECC Interchange Tool (WIT), a software system that facilitates and coordinates interchange between Balancing Authorities.

OTHER ACTIVITIES

Peak consistently works to further enhance reliability for electricity customers in the Western Interconnection. Other initiatives at Peak include:

The Peak Reliability Synchrophasor Program

(PRSP) The PRSP is designed to improve the quality of synchrophasor data received as a result of the Western Interconnection Synchrophasor Program (the precursor to PRSP), and operationalize that data in order to fully realize the benefit of the high-resolution data that is available. Synchrophasor technology provides the ability to better analyze and respond to the intermittent nature of renewable resources, improve utilization of the transmission system, and improve system modeling and planning.

Hosted Advanced Applications (HAA)

A set of reliability tools that can be used to provide enhanced situational awareness, HAA helps provide engineers and operators with the best possible tools to perform their reliability function. HAA is a combination of the West-wide System Model, State Estimation, Contingency Analysis and Study Network Applications. HAA represents a tremendous value to Transmission Operator (TOP) users.

TOPs that chose to implement these tools individually would incur significant costs hiring additional employees and making hardware and software investments, in addition to the time and expense associated with vendor management.

Enhanced Curtailment Calculator (ECC)

The ECC serves as a congestion management tool used by Reliability Coordinator System Operators to manage power system congestion within the Western Interconnection. Peak views the ECC as a reliability tool that can be used in conjunction with other RC tools to ensure acceptable system performance for the BES.

GENERAL INFORMATION

Peak Executive Team

Marie Jordan, *President & CEO*

Terry Baker, *Managing Director of Operations*

Dick Garlish, *Vice President, General Counsel and Corporate Secretary*

Pete Hoelscher, *Chief Strategy Officer*

Rachel Sherrard, *Vice President of Communications and External Affairs*

Brett Wangen, *Chief Engineering and Technology Officer*

Peak Website (www.peakrc.com)

Peak's website provides information about the governance, scope and scale of the organization, membership details and career information.

Peak Secure Portal (www.peakrc.org)

The secure portal, peakrc.org, provides access to studies, models, operations and real-time data for entities that have signed the Universal Data Sharing Agreement.

Company History

In June 2013, the Board of the Western Electricity Coordinating Council (WECC) unanimously approved the bifurcation of WECC into a Regional Entity (WECC) and a Reliability Coordinator (Peak Reliability). Peak was founded January 1, 2014. The bifurcation of WECC received final approval from the Federal Energy Regulatory Commission (FERC) on February 12, 2014. Peak is a company wholly independent of WECC.