

## Marcus Kohler

### Significant Experience

Mr. Kohler has experience in the planning, design, and implementation of telecommunications systems in geographically large and diverse areas systems. He has emphasis on two-way mobile radio systems, Federal Communications Commission (FCC) licensing, and Radio Frequency (RF) propagation analysis. He has additional background in microwave, fiber optic/SONET transport, telemetry, SCADA, and system protection in the electric utility environment.

He has a broad understanding of electric utilities and their operations. In addition to his telecommunications background he held management, leadership roles in electric utility substation operations. He acted as a strategic manager providing capital planning and prioritization, labor relations, maintenance policy direction, operation excellence development and improvement, performance tracking, and change management.

He supervised Union International Brotherhood of Electrical Workers (IBEW) employees for all activities related to the operations of transmission and distribution substations.

While at Utility Telecom, he has written technical scope of work documents for multiple two-way mobile radio systems upgrading to digital trunking in both the UHF and VHF bands. He is responsible for FCC frequency coordination, licensing and monitoring services for UTCG's clients. Additional project assignments include telecom strategic planning for TDM to IP migration, microwave path design, RF propagation analysis, GIS mapping, and communications site design.

### Experience Prior to Utility Telecom

**2015-2017** Pacific Power, Lead Substation Operations Manager

Manage a group of Union employees that have responsibility for all activities related to the daily operations in transmission and distribution substations. Participated in activities related to the planning, design, building, maintenance, switching and control of the substations in and around the Portland, OR area. Responsible for outage response and equipment failures. Worked closely with the other operations groups; line crews, metering, field inspection services, and dispatching.

**2012-2015** Pacific Power, Substation Operations Manager, Business Strategy

Joined Substation Operations in January 2012 as a business manager, responsible for business improvements and strategic projects throughout nine geographical regions. Provided capital planning and prioritization, labor relations, maintenance policy, operational excellence and improvement, performance tracking, and change management.

**2004-2012** PacifiCorp, Senior Engineer

Worked as the lead project engineer for the replacement of PacifiCorp's wideband conventional VHF radio system to an MPT 1327 trunked radio system. Engineering projects included RF design, site design and construction, microwave path design, and communications equipment design. Responsible for all FCC licensing for company owned frequencies in a six-state territory.

**Current Position** Senior Telecommunications Consultant

**Education**

B.Sc., Electrical and Communications Engineering, Oregon State University, Corvallis, Oregon, 2002.