



“Reinventing & Transforming the Energy System”
Alder Commons Hall Auditorium
at the University of Washington
April 4-5, 2018

Speaker: Anders Johnson, Electrical Engineer, Bonneville Power Administration

Title: I-5 Corridor Transmission Reinforcement - No Build Solution

Abstract: Bonneville Power Administration’s (BPA’s) I-5 Corridor Reinforcement Project Decision: Background, Technical Review, and Emerging Solutions – Anders Johnson, BPA Electrical Engineer, BS and MS, Electrical Engineering (University of Washington)



This presentation will provide an overview of BPA’s recent decision to not build a proposed 500 kV transmission line in SW Washington and NW Oregon. This includes project background, drivers, how landscape changes impacted the drivers over time, and recent findings from a redispatch pilot project. It will address technical and financial considerations, as well as a variety of novel alternatives that BPA is exploring with regional stakeholders. This will provide insight for how to approach major investment decisions when faced with conflicting objectives and long range uncertainties. This talk will benefit those involved in Transmission Planning, Operations and Integrated Resource Planning.

Bio: Anders Johnson is an Electrical Engineer in the Bonneville Power Administration's Long Term Planning group. He enjoys exploring complex problems and developing innovative solutions. Anders has a broad range of power systems analysis expertise in power flow, integrated resource and transmission planning, security-constrained economic dispatch, short circuit analysis, and electromagnetic transients. He also has experience in technology innovation and transmission line permitting. Anders has represented BPA on the NERC Planning Committee and WECC Scenario Development Subcommittee.