Title: *Hydro Scheduling*

Speaker: **Steve Barton, P.E., Operations Research Analyst, Bonneville Power Administration**

Location: **MGH 241, UW campus**

Map: [http://www.washington.edu/maps/?l=MGH](http://www.washington.edu/maps/?l=MGH)

Time and Date: **4:30 PM, Thursday, December 4, 2014**

Abstract:

This presentation provides an overview of the power operations planning and power scheduling activities conducted at BPA. An overview of the basin characteristics and operational constraints is discussed, along with the roles and responsibilities of the federal agencies responsible for managing the Federal Columbia River Power System. Hydraulic flexibility and marketing mechanisms can be employed to meet system objectives and load-resource balance. Market mechanisms at various time horizons are discussed with details of how power transactions must be scheduled and tagged.

Steve Barton, P.E. has 20 years of experience in reservoir systems planning and operations focused in the Federal Columbia River Power System (FCRPS). His background spans diverse fields both with the Bonneville Power Administration and the U.S. Army Corps of Engineers including weather and streamflow forecasting, mid- and long-term reservoir system planning, wind integration, and real-time reservoir operations. He is the former chief of the Reservoir Control Center for the Northwestern Division of the U.S. Army Corps of Engineers, and is currently a Lead Operations Research Analyst with the Bonneville Power Administration focusing on short-term planning and operations activities for the FCRPS in the day 0 to day +20 time horizon. Steve has a Bachelors Degree in Civil Engineering from Oregon State University, and a Masters Degree in Civil Engineering from Colorado State University.