

IDAWRA Brownbag Presentation: "Idaho Power Integrated Resource Plan"

Tuesday, April 7, 2015, 11:30 -1 pm (talk will start at 11:45)

Speaker: Kresta Davis-Butts, Idaho Power, Operations Hydrology Team Lead

Location: Washington Group Plaza Executive Dining Room (Turn left at the front desk and right at the cafeteria). 720 Park Blvd, Boise, ID

Cost: Free, no reservations required.

The Integrated Resource Plan (IRP) is a comprehensive look at present and future demands for electricity, as well as a plan for meeting those demands. Idaho Power's resource plan is prepared to fulfill the regulatory requirements and guidelines established by the Idaho Public Utilities Commission (IPUC) and the Public Utility Commission of Oregon (OPUC). The Idaho Power resource planning process has four primary goals:





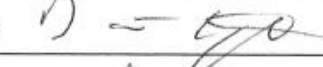
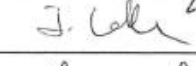







1. Identify sufficient resources to reliably serve the growing demand for energy within the Idaho Power service area throughout the 20-year planning period.
2. Ensure the selected resource portfolio balances cost, risk, and environmental concerns.
3. Give equal and balanced treatment to supply-side resources, demand-side measures, and transmission resources.
4. Involve the public in the planning process in a meaningful way.

As hydroelectric generation is the foundation of Idaho Power's energy production, a twenty year streamflow forecast is a major component of the supply-side resource portfolio. Idaho Power uses two primary models for forecasting future flows for the IRP. The Snake River Planning Model (SRPM) is used to determine surface-water flows, and the Enhanced Snake Plain Aquifer Model (ESPAM) is used to determine the effect of various aquifer management practices on Snake River reach gains. The two models are used in combination to produce a normalized hydrologic record for the Snake River Basin from 1928 through 2009. Kresta Davis-Butts will discuss the methodology used to develop the twenty year normalized hydrologic record used in the IRP as well as the future assumptions incorporated in the development of the forecast.

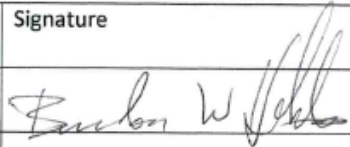

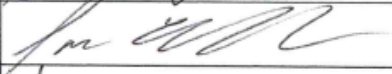





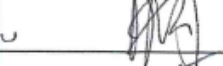
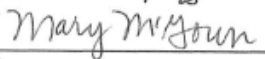
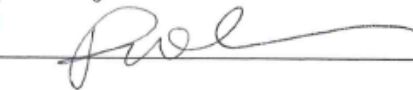
Kresta Davis-Butts has been with Idaho Power for over twelve years and has held various roles within the company. She currently leads the Operations Hydrology team within the Water and Resource Planning Department at Idaho Power. Her team is focused on

developing hydrological forecast models, producing short- and long-term streamflow forecasts for operational and risk management planning, and performing studies related to surface and ground water supply.

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	Name	Organization	Email	Signature
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