

## **Real-Time Operations Dispatch and Scheduling System (RODS) Replacement**

The goal of this project is to develop and deploy a high availability IT system that will replace the functionality of BPA's legacy RODS system. The new system will be written in modern programming languages and use commodity hardware and software where practical, supplemented by software built in-house for functions and data integration specific to BPA. The replacement system will include improved continuity of operations (COOP) capabilities, and due to the new architecture will allow BPA to be more responsive to developing business needs.

Today, RODS plays an important role in the operation of the BPA transmission and generation systems and is a crucial linkage among various applications including Automatic Generation Control (AGC) and Supervisory Control And Data Acquisition (SCADA). The new system will upgrade and improve integration of data across the following BPA functions: Dispatch and Hydro Scheduling, Transmission and Power Scheduling, Generation and Schedule Planning, After the Fact analysis and Billing.

BPA operations depend heavily on the RODS system, and the costs of a system failure could be extreme. The RODS replacement project intends to mitigate the financial, operational and other risks to stakeholders. All phases of the project are scheduled to be tested and placed in service by December 31, 2012. Project cost estimates are business sensitive information and cannot be disclosed until the competitive solicitation, evaluation, negotiation and award processes with vendors is completed.