Managing Water in the West

Maximizing the Value of Federal Facilities

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U.S. Department of the Interior Bureau of Reclamation

Overview

- 58 Power plants
- 2nd Largest Hydropower Producer in United States
- 42 Million MWH Annual Average Generation
- 10 Percent of Power in West
- Covers 17 Western States
- Over 600 Dams and Reservoirs
- Thousands of Miles of Canals

Reclamation's Role in the West

- Primary focus to develop water resources;
 - Agricultural
 - Municipal
 - Industrial
 - Recreation
 - Environmental
- Construct and operate hydro generation facilities on specific authorized projects



Potential Hydroelectric Development at Existing Federal Facilities

- Study conducted in response to Section 1834 of the Energy Policy Act of 2005
- Looked at Reclamation, Corps of Engineers, and Bureau of Indian Affairs facilities
- Study examined 871 dams
- Did not explore hydro potential at smaller facilities
- www.USBR. Gov- Search Sec1834EPA

Non Federal Hydro Development

- Follows one of two paths;
 - Authorized Power Components
 - Lease of Power Privilege Process
 - Reclamation's policy and Directives
 - Without Authority
 - FERC License Process
 - Follows Reclamation/FERC MOU

Lease of Power Privilege

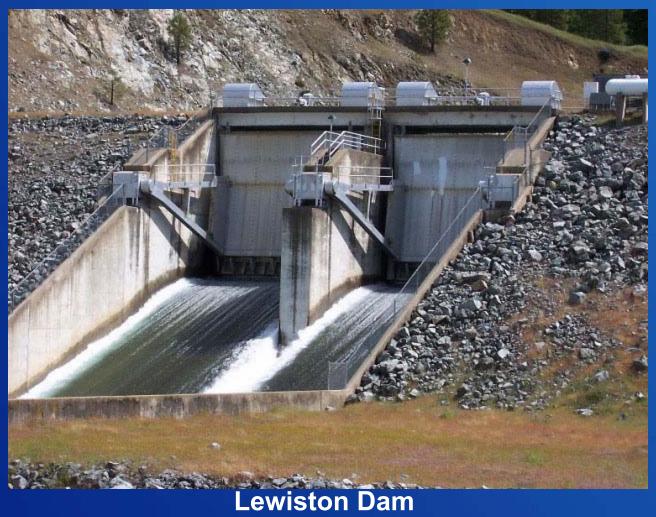
- Process set out in Reclamation's Directive and Standards
- Selection of Lessee- Public Process
- Lease/contract completed within 2 years
- Reclamation must approve;
 - adequacy of design,
 - environmental,
 - technical, and other requirements as needed



Jordanelle Dam and Power Plant

Jordanelle Hydro Facility

- Joint Project between Central Utah Water Conservancy District (CUWCD) and Heber Light and Power (HL&P)
- Commissioned in 2008
- The power plant houses two turbines, each rated at about 6 megawatts (MW)
- Run Of River Operations
- Generates 39,000 Megawatt Hours Annually
- Certified by Low Impact Hydropower Institute



Lewiston Dam

- Trinity Public Utility District
- Hydro Project Rebuild
- Contract Nearing Completion
- Existing Unit 44yrs Old
- Replace Existing 350kw Unit with 1500kw
- Reclamation Continues to Receive Same Output
- District Receives Balance



Website For More Information

http://www.usbr.gov/power/data/data.html

Or Google- USBR

Hoover Dam

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