

# RECLAMATION

*Managing Water in the West*

## Maximizing the Value of Federal Facilities

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# 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**



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# 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](http://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**

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# 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

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# 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**



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# Website For More Information

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

Or Google- USBR

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# Hoover Dam

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