

# RECLAMATION

*Managing Water in the West*

## Reclamation's Power Program

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## Overview

- 58 Powerplants
- 2<sup>nd</sup> Largest Hydropower Producer in United States
- 42 Million MWH Annual Average Generation
- 10 Percent of Power in West

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## High Performing

- O&M Cost \$/MWh-\$2.73
- O&M Cost \$/MW-\$7,315
- Availability Factor-83.9
- Forced Outage Factor-1.5
- Scheduled Outage Factor 14.9
- Rank in Best Quartile in Costs-HOWEVER Approaching NOT being in that Quartile

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## Strengths

- Great people
- Solid plants
- Maintenance standards & practices
- Can-do attitude

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## Vision for Power Program

- A cohesive power community that positions Reclamation's Power Program to meet today's and tomorrow's challenges.

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## Challenges

- Aging workforce
- Average age of plants-46 years
- Industry changing
- Pressure to keep costs low
- Doing the right thing at the right time

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## Key Initiatives

- Coordinate power-related technical issues and provide Reclamation-wide performance data to facilitate the security, reliability and long-term viability of Reclamation's power facilities
- Respond to Reclamation-wide interests by identifying emerging issues and trends in order to strategically position Reclamation's Power Program for the future.

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## Key Initiatives cont.

- Maintain the corporate expertise and capability of Reclamation's power personnel
- Represent Reclamation at various electric industry forums in order to develop a cohesive power community and improve individual and organizational relationships

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## Long Term Viability

- Power Review of O&M
- Power Maintenance Council
- Preventive Maintenance Templates
- Hydro Asset Management Process (HydroAMP) Risk Based Condition Assessment
- WECC Reliability Management System and NERC Self-Certification

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## Long Term Viability cont

- Mechanical & Electrical Services Phone Consultations
- New FISTS & Power Equipment Bulletins
- Benchmarking
- New Incident Investigation Guidebook

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## Strategic Issues & Policy

- FERC Regulation Proposals
- Standards Under Development by Western Electricity Coordinating Council (WECC) & North American Electricity Standards Board (NAESB)
- National Energy Policy Activities
- Environmentally Preferable Power & Green Credits

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## Strategic Position cont.

- Hydro Optimization Work
- Efficiency and Upgrade Refurbishment
- Governor Replacements
- Work on Seeking Customer Funding
- Strategic Business Plan

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## Maintain Corporate Expertise and Core Power Competency

- Power Personnel Succession Planning
- Knowledge Transfer through Power Review of O&M Training
- Developing Principles of Hydropower Course & Seeking Accreditation
- Work with HR on Facility Manager Development Program
- Heart of Hydro Award

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## Power Community

- Corps of Engineers Partnership
- PMA Partnerships
- Power Manager's Meeting
- Regional and Plant Participation in Key Products and Initiatives
- Power Website
- Hydro Quebec Partnership

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## Thank You!

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Power Business Plan Website:  
<http://www.usbr.gov/power/data/busplan.pdf>

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