CRSP Update
UAMPS Annual Member Conference

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What is WAPA?
WAPA’s history

- Reclamation Act of 1902
- Economy Act
- Flood Control Act of 1944
- DOE Act
Power Marketing Administrations

[Map showing regions of BPA, WAPA, SWPA, and SEPA in the United States]
Three lines of business

Federal Hydropower
- Market 10,503 MW of power from 56 dams
- Buy and sell power to provide firm electric service

Transmission System & Service
- 17,000+ miles of transmission lines
- Operate 3 balancing areas
- 15-state operating region
- Separate $3.25 B borrowing authority
- Projects must facilitate renewables
- Projects must have a terminus in WAPA's footprint

Transmission Infrastructure Program
Strategic Roadmap 2024

Mission
Market and deliver clean, renewable, reliable, cost-based Federal hydroelectric power and related services

Evolution of Services
Mutually Beneficial Partnerships
Business, Technology and Organizational Excellence

2014 2016 2018 2020 2022 2024
Our power comes from...

- Hydroelectric energy produced at federal generating agencies
- Multipurpose projects
- Variable water availability
CRSP Act of 1956

Water Storage and Development
Colorado, New Mexico, Utah and Wyoming
Glen Canyon, Aspinall, Navajo, Flaming Gorge and Participating Projects

Development of Related Power Production and Transmission System
Development of Related Water Delivery Facilities

Envisioned at the time of the Colorado River Compact (1922) (upper and lower basins).
CRSP Management Center – Integrated Projects

• 11 power plants
• 24 generating units
• 1,816 MW total installed capacity (73% from Glen Canyon)
• 2,325 circuit miles (Arizona, Colorado, New Mexico, Utah, Wyoming)
Salt Lake City Area Integrated Projects
CRSP Power Generating Facilities

**Glen Canyon**
- Glen Canyon – 1,320 MW (1964 - Colorado River)

**Flaming Gorge**
- Flaming Gorge – 152 MW (1963 - Green River)

**Aspinall Units**
- Blue Mesa – 86 MW (1967)
- Morrow Point – 162 MW (1970)
- Crystal – 32 MW (1978)
Salt Lake City Area Integrated Projects (SLCA/IP)

**Dolores Project** *(southwest Colorado)*
- McPhee: 1 MW
- Towaoc: 11 MW

**Seedskadee Project**
- Fontenelle (WY): 13 MW (Green River)

**Colbran Project** *(Plateau Creek near Grand Junction)*
- Upper Molina: 9 MW
- Lower Molina: 5 MW

**Rio Grande Project** *(our oldest facility)*
- Elephant Butte (NM): 28 MW (Rio Grande River)
Hydrologic Conditions for CRSP

• 9505 Climate Change Impact Assessment
  • Report to Congress every five years (last one in 2016)
    • Earlier snowmelt
    • Generally wetter in the north, drier in the south of WAPA’s area
  • Large reservoirs help manage variations
Drought Contingency Planning

- Upper and Lower Colorado River Basin States have been mandated to develop plans by end of 2018 by Bureau of Reclamation

- WAPA will be coordinating with the Bureau of Reclamation on operating criteria as draft plans are produced
Oahe Generation

April 9th Comparison for Oahe Generation

4-second data for hours ending 1 - 24

2015 2016 2017
WAPA hosts Technology and Security Symposium
Aug. 21, 2018
Explore the latest trends, topics and issues surrounding physical and cyber threats
Register today!
bit.ly/WAPATechSymposium
https://www.wapa.gov/Pages/technologysecuritysymposium.aspx
Questions?

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