Colorado River Storage Project (CRSP) Update
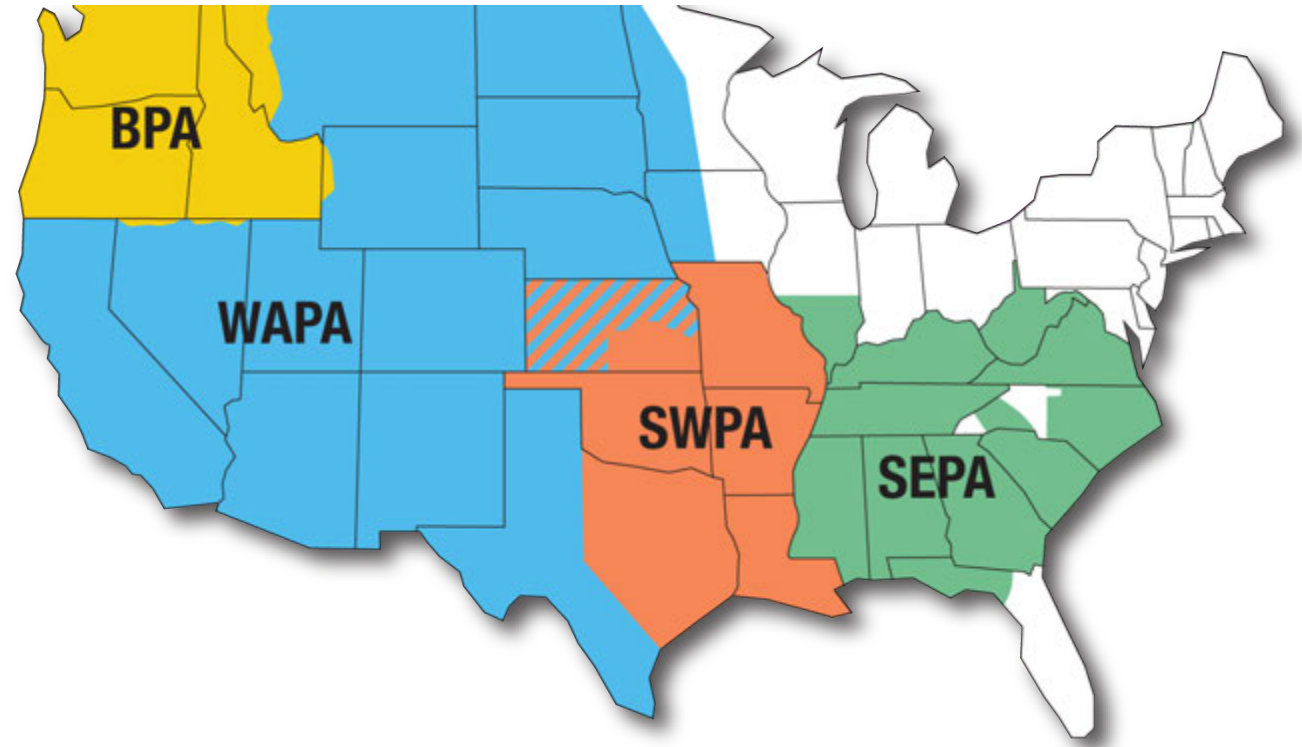
Brian Sadler, Administrative and Technical Services Manager
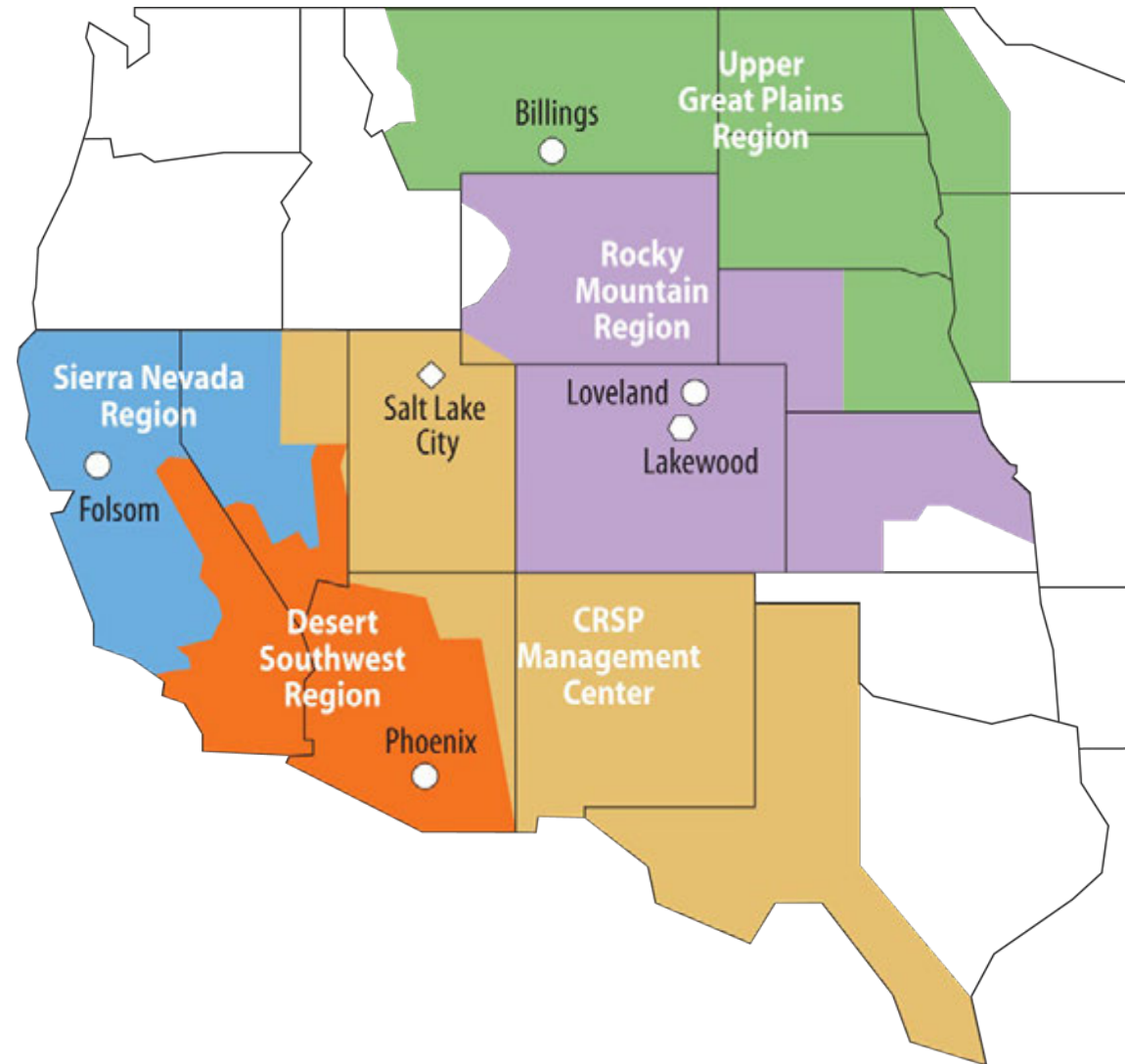
Western Area Power Administration

What is WAPA?

- One of 4 power marketing administrations, under DOE

- Agency formed in 1977

- Wholesale electricity supplier

- Approximately 700 long-term/firm power preference customers

Western Area Power Administration

Who is WAPA?

- 15 states
- Operate 4 BAs
- 57 hydropower plants
- 10,503 MW of installed capacity
- 17,231 miles of transmission lines
- 40-million end users/year

Upper Great Plains Region
Billings

Rocky Mountain Region
Loveland
Lakewood

Sierra Nevada Region
Folsom

Salt Lake City

Desert Southwest Region
Phoenix

CRSP Management Center

Colorado River Storage Project

135 long-term customers

- 54 Native American tribes
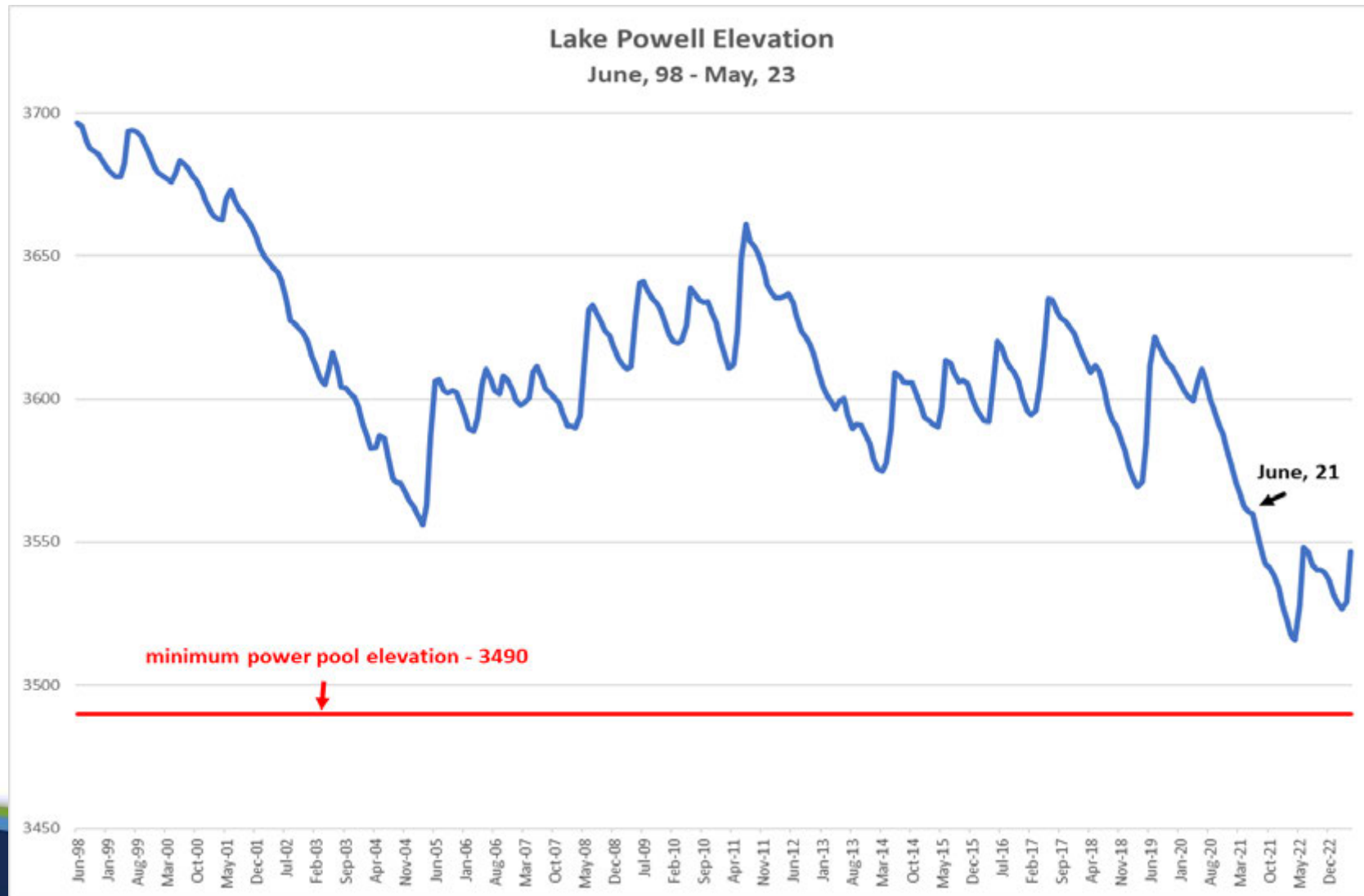- 64 Municipalities, cooperatives, irrigation districts
- 17 Other

- 12 power plants
- 27 generating units
- 1,827 MW total installed capacity (73% from Glen Canyon)
- 4,225 GWh Net Generation (74% from Glen Canyon)
- 2,325 circuit miles (Arizona, Colorado, New Mexico, Utah, Wyoming)

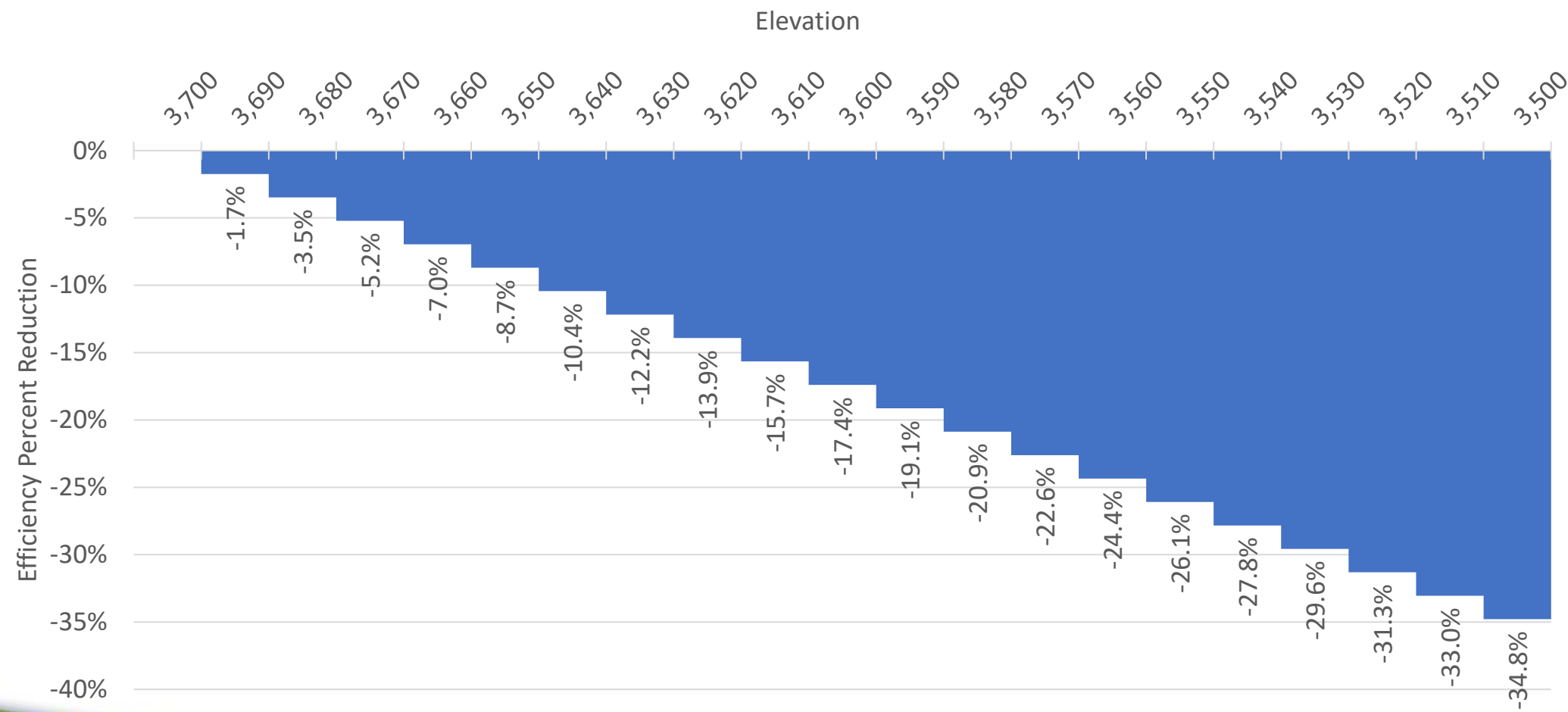Western Area Power Administration

2021 Revenues and Expenses

Projected – from our Power Repayment Study (PRS)

- Revenue: $172.4M

- Expenses: $192.8M ($60M PPW)

- Projected Repayment: 0.33M

  - Scheduled Repayment: $34.8M

    - Scheduled for repayment original investment: $12.1M

- Balance: -$20.5M
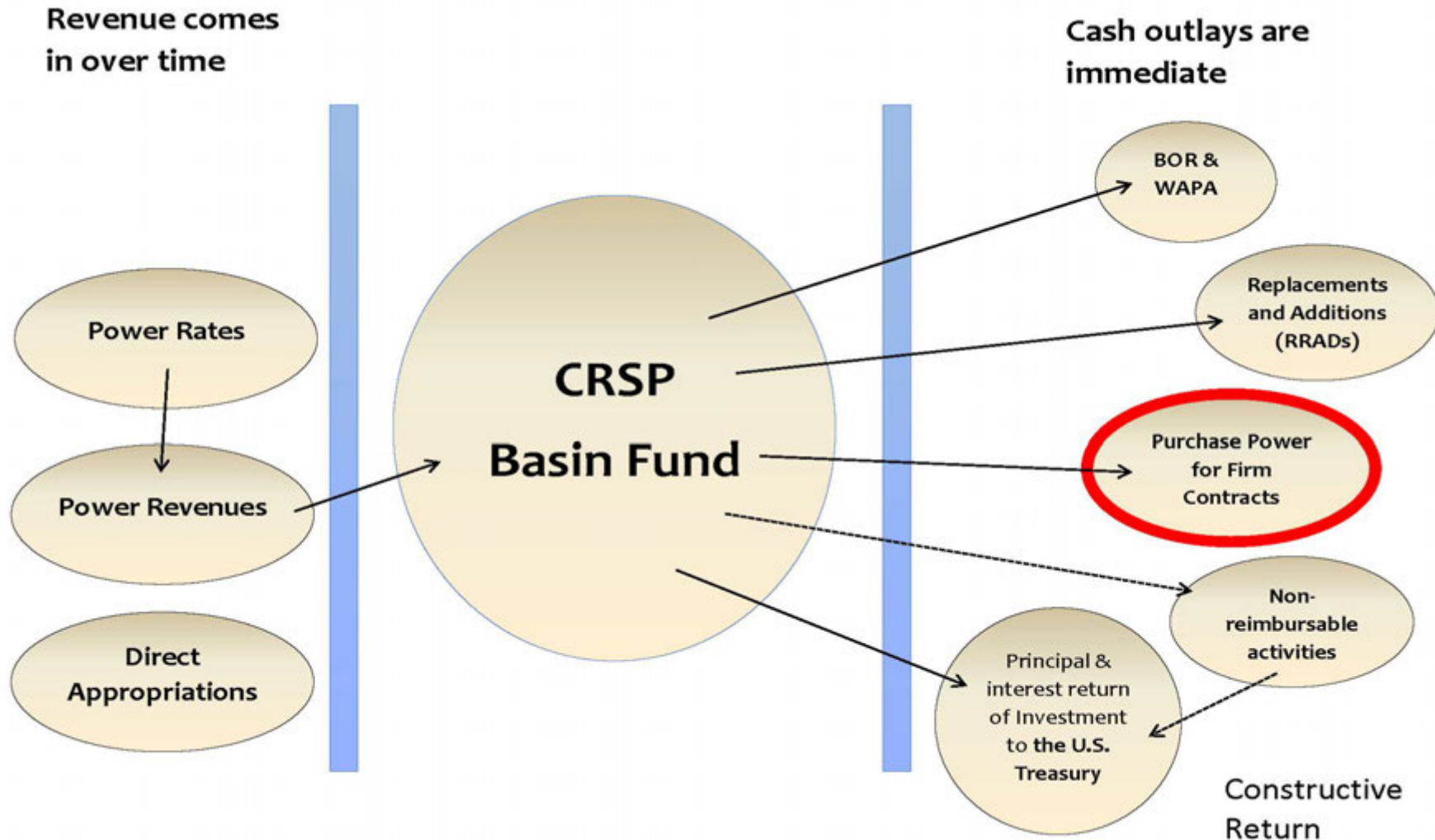
Lake Powell Elevation Continues to Drop

Lake Powell Elevation
June, 98 - May, 23

June, 21

minimum power pool elevation - 3490

Western Area Power Administration

Cumulative Percent Reduction in Generating Efficiency with Decreasing Lake Powell Elevation

Basin Fund Cash Flow

Basin Fund Projected Balance

Purchase Power Estimates
- FY2021 - $75.0M

- FY2022 - $103.6M

- FY2023 - $67.8M

*Basin Fund Projections
- FY21 EOY Balance - $67.7M

- FY22 EOY Balance - $(1.7M)

- FY23 EOY Balance - $(51.6M)

*With no CRC, Misc. Revenues, Rate Action or other mitigation measures

Mitigation

- Cost Reduction/Deferment
  - O&M
  - Capital
- New Rate
  - One year after last rate
- Non-Reimbursable Expenses
  - Anticipating no transfer to Reclamation ($21.4M) for environmental programs (Constructive Return) in FY2022
- Experiments

Considerations:
- Safety
- Reliability
- Incremental future costs

Western Area Power Administration

Thank you

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