

# CRSP MC Update

**Steve Johnson**  
**CRSP MC Manager**

**January 25<sup>th</sup>, 2018**

**Arizona Tribal Energy Association**  
**Annual Meeting**  
**Phoenix, Arizona**



# CRSP MC Changes Since Last Year

- Lynn Jeka Retirement
  - End of December
- New Financial Manager
  - Tyler Nelson
- New Contracts Staff Member
  - Tim Kutz
- New Office
  - 299 South Main St., suite 200 (Wells Fargo building)

# Basin Fund Status

- FY17 Ending Balance - \$106.4M
- FY18 Projected Ending Balance - \$116.4M
- Current Balance (as of January 23<sup>rd</sup>) - \$144.3M
- FY17 Purchase Power - \$9.5M
- FY18 Projected Purchase Power - \$6.9M

# Olmsted Update

- Olmsted Marketing Plan
  - Final marketing plan was issued on October 11<sup>th</sup>
  - Call for applications closed on December 11<sup>th</sup>
    - 4 applications were received
- Proposed allocations expected to be published in February
- Rate will be published in April/May
  - Preliminary calculations show a competitive rate

# LTEMP Record of Decision

- Signed on December 15<sup>th</sup>, 2016
- 20-year framework for operations of Glen Canyon Dam
- Implementation was phased in beginning January 2017 with new water volumes
- CRSP & BOR working collaboratively on operational guidelines
- Programmatic Agreement executed in August, 2017

# Glen Canyon Operational Changes

Operational Parameter	Prior to 1991 Interim Flows	1996 ROD (MLFF)	2016 LTEMP
Minimum Release (cfs)	3,000 Summer 1,000 rest of the year	8,000 7am – 7 pm 5,000 7pm – 7 am	8,000 7am – 7 pm 5,000 7pm – 7 am
Maximum Release (cfs)	31,500 cfs (power plant capacity)	25,000 cfs	25,000 cfs
Daily Fluctuations (cfs change/24 hr period)	Unrestricted	5,000 to 8,000 cfs depending on monthly volume	Factor of 9x or 10x the monthly volume (KAF) 8,000 cfs/day cap
Ramping Rate (cfs change/hour)	Unrestricted	4,000 cfs upramp 1,500 cfs downramp	4,000 cfs upramp 2,500 cfs downramp
Operational/Environmental Experiments	None	High Flow Experiments (HFE) up to 96 hours Low Summer Steady Flows (LSSF)	High Flow Experiments (HFE) up to 250 hours Low Summer Flows (LSF)

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Reduced marketable capacity by 30% or \$50M/yr.

# Glen Canyon Operational Changes

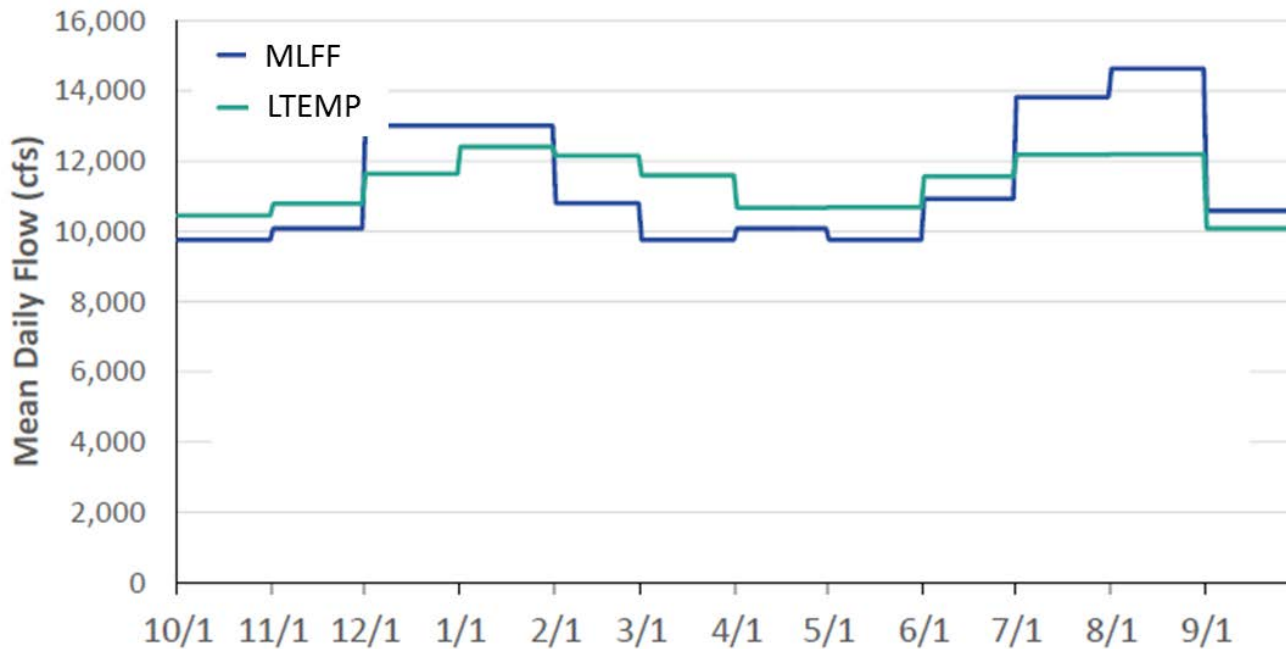
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Further reduced marketable capacity by another 48 MW or \$3M/yr.

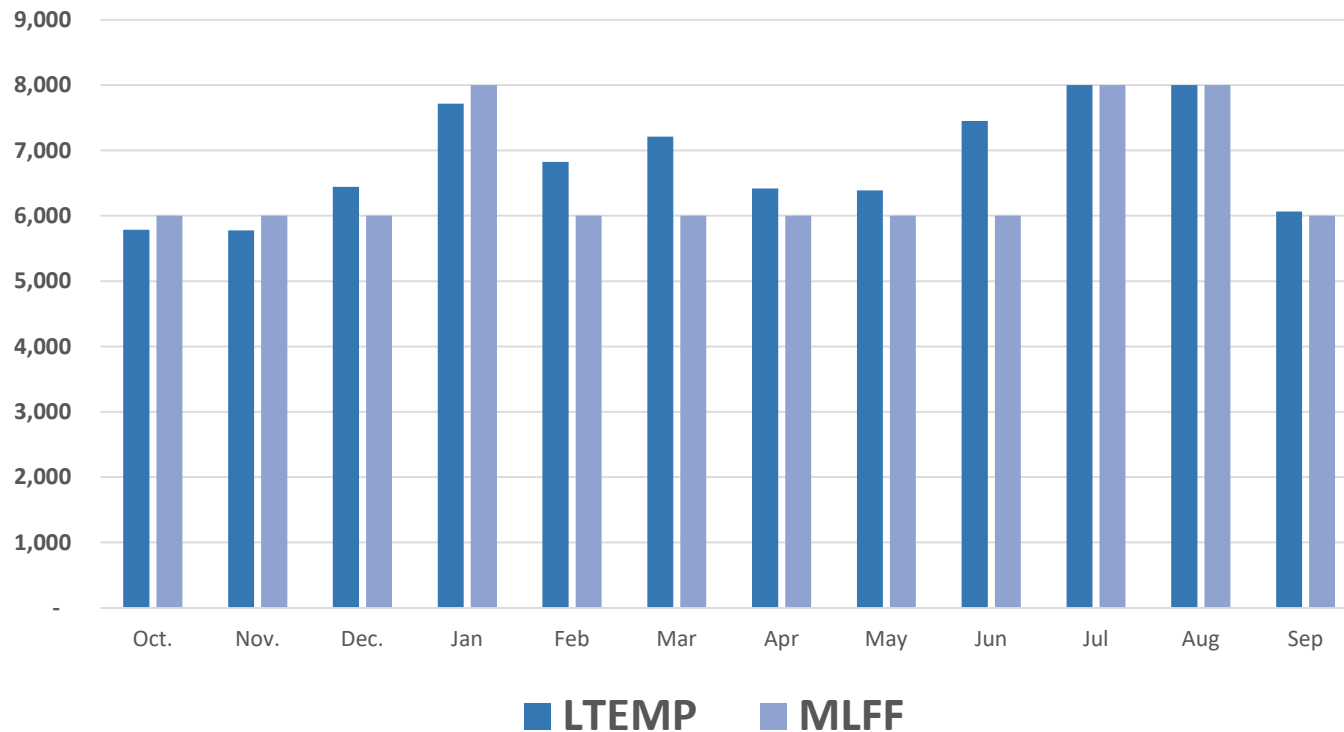


# Changes in monthly volumes with LTEMP



# Daily Fluctuations (LTEMP vs MLFF)

-LTEMP Monthly Volumes used for MLFF comparison



# Project N

- Experiments will be coordinated/associated with operational experiments at Glen Canyon
- Experiments include
  - HFEs
  - Macroinvertebrate production flows
  - Trout management flows
  - Improve hydropower and energy resources

# Historic Preservation Plan

- CRSP MC working with Reclamation to develop HPP no later than August, 2018
- Will identify roles, responsibilities and program goals
- Lisa Meyer and Brian Sadler overseeing effort for CRSP MC
- Working to ensure language is clear on use of power revenues

# LTEMP Implementation

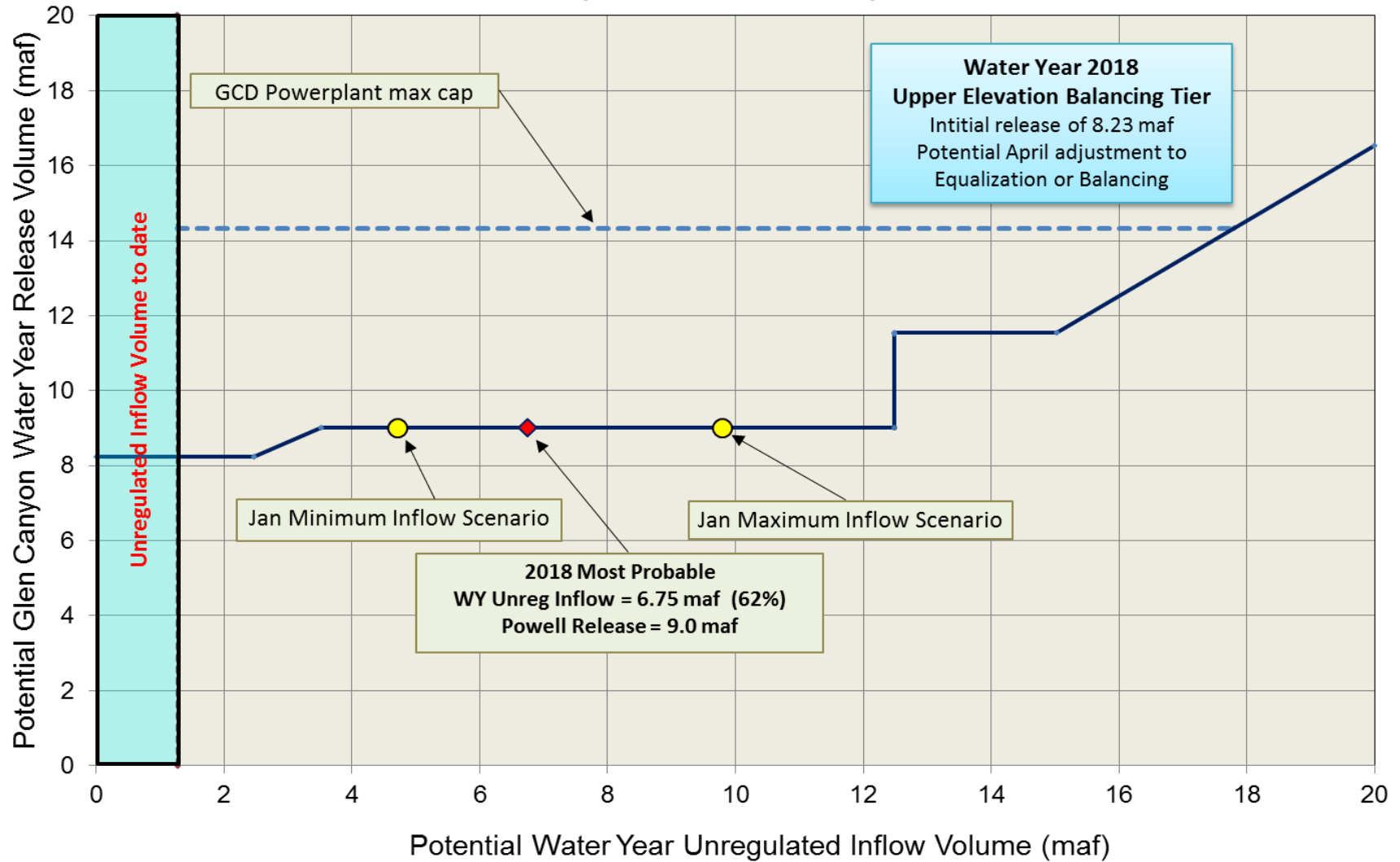
- Implementation for the CRSP MC EMMO group has gone smoothly
- Good coordination between WAPA and Reclamation to adjust when needed
  - e.g. Unexpected Flaming Gorge Outage resulting in adjusting Glen Canyon monthly volume for October.
- Finalized the Glen Canyon operating criteria for the new LTEMP operations with Reclamation

# Other Operations Highlights

- No HFE in November 2017
  - Sediment load did not support
- 9 MAF year for WY 2018
  - Current hydrology does not look favorable for WY 2019
  - Most probable forecast for inflow is 6.75 MAF (62%)

# Potential Lake Powell Release Scenarios

Water Year 2018 Release Volume as a Function of Unregulated Inflow Volume based on January 2018 24-Month Study Conditions



# Environmental Program Funding

Non-reimbursable funding provided from the Basin Fund:

- Glen Canyon Dam Adaptive Management Program  
-- \$10.8 million
- Upper Colorado River Endangered Fish Recovery Program  
-- \$5.5 million
- San Juan River Recovery Program -- \$2.7 million
- Quality of Water & Consumptive Use Studies -- \$1 million



# WAPA Updates

- Continuing Resolution
  - Could impact certain construction and rehabilitation projects funded by appropriations
- Reliability Coordinator
  - CAISO announced it will provide RC services
- Organizational Approach to Markets
  - Realignment of some functions between regions to improve consistency in organizational structure
  - Improve monitoring of RTO and market activities
  - Move toward consistent IT toolsets across WAPA

# Mountain West Update

- Began Customer and public outreach in 2015
- FRN published Oct. 12
- Three public forums
- 45-day comment period closed Nov. 27 with responses posted January 10th
- Recommendation to pursue final negotiations with SPP
- Decision will likely be made in early 2018

## Mountain West electricity providers to explore RTO options

Mountain West Transmission Group to open discussions on possible membership; expanded electricity market may improve reliability and create savings  
FOR IMMEDIATE RELEASE: January 6, 2017

## Mountain West announces next step to potential Southwest Power Pool membership

Initial discussions with SPP reach completion; Mountain West to proceed to negotiations for SPP regional transmission organization membership  
FOR IMMEDIATE RELEASE: September 22, 2017

## WAPA seeks comments on SPP membership for two projects

Holding public meetings about RTO membership  
FOR IMMEDIATE RELEASE: October 12, 2017

# Questions?

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