

Colorado River Storage Project (CRSP) Update

Steve Johnson, Senior Vice President and CRSP MC Manager
Brian Sadler, Administrative and Technical Services Manager

CRSP Updates

- Rachel Bryant – New CRSP Attorney
- Olmsted
 - Pay-all, take-all project on the Provo River
 - Olmsted project scheduled to begin commercial operation Oct 1, 2018 (Ribbon cutting Sept 19)
- Markets – An organized approach
- Cost of peak energy this summer

Hydropower and Basin Fund in LTEMP ROD

Attachment B: Description of the Selected Alternative

- Prior to implementation of any experiment, the relative effects of the experiment will be evaluated and considered
“on hydropower production and WAPA’s assessment of the status of the Basin Fund”
- Monthly Glen Canyon Dam operational coordination meetings
“WAPA will provide updates on the status of the Basin Fund, projected purchase power prices, and its financial and operational considerations”
- To determine whether conditions are suitable for implementing or discontinuing experimental treatments or management actions
“including WAPA’s assessment of the status of the Basin Fund”

Basin Fund Obligations

- Manage the financial requirements of the CRSP Act
 - Glen Canyon Dam
 - Several additional units that include dams, reservoirs, powerplants, transmission facilities and other related works
- Reclamation operations are funded by periodic transfers from the CRSP Basin Fund to a Reclamation subaccount
 - Allows Reclamation to maintain programmatic oversight of their facilities
 - Funds are transferred approximately on a monthly basis and only the amount they need to operate for the fiscal year

Basin Fund Balance

Reserve Strategy

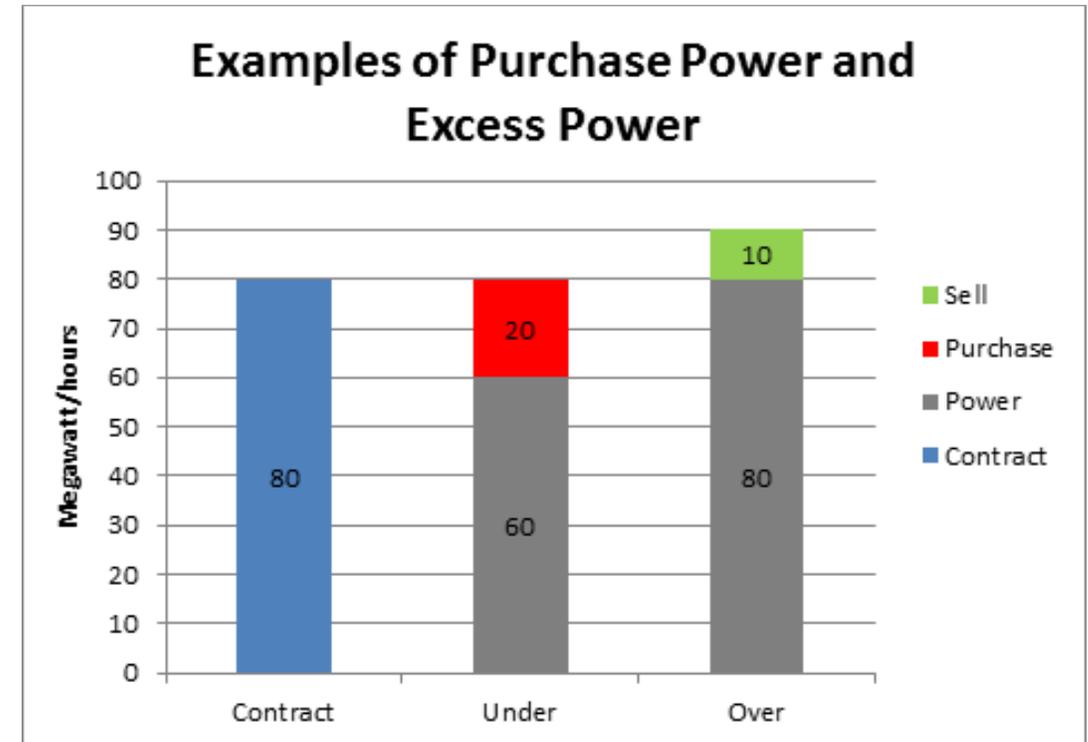
- WAPA-wide strategy for maintaining unobligated balances
- CRSP target is \$198M
- Projected end of fiscal year balance is \$110M

Risk Factors

- Replacements (Reclamation & WAPA)
- Environmental Programs
- Bypass (including HFEs)
- Market Price for Purchase Power
- Hydrology/Releases/Pool Elevation

Purchase Power

- GCD Releases
- Releases at other CRSP facilities
- Hydrology
- Pool Elevation/Efficiency
- Market Prices

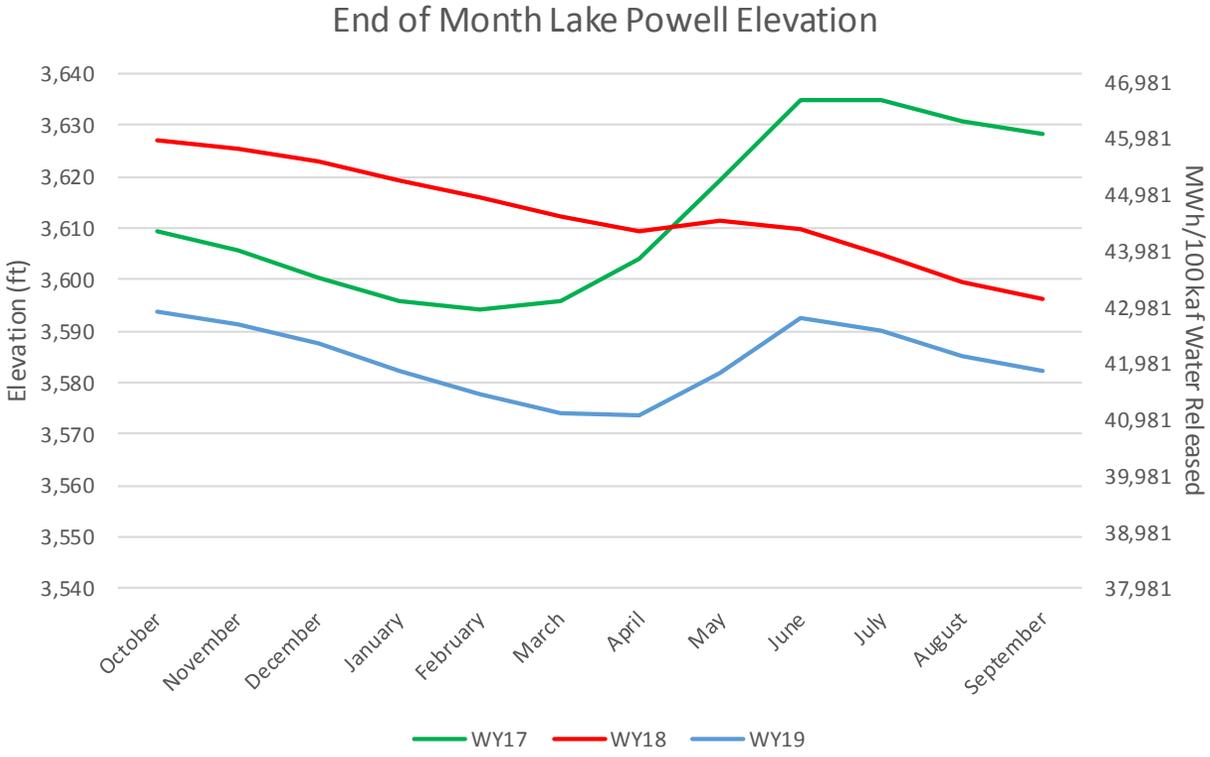


Purchase Power and Hydrology

Water Year	Average Elevation	Generation (GWh)		Purchase Power	
	Glen Canyon	Glen Canyon	All CRSP Units	GWh	Cost
2017 ^a	3,612.8	3,652	5,174	116	\$2.9M
2018 ^b	3,612.8	3,730	5,101	104	\$3M
2019 ^c	3,584.4	3,485	4,570	618	\$18.4M

a-Observed data
 b-Observed data through June, forecasted for remaining months
 c-Forecasted generation using July 24-month study

All 9maf release years
 If WY19 is 8.23maf, ~\$27.7M cost



Questions

The Source: www.wapa.gov/About/the-source

Steve Johnson
Senior VP & CRSP MC Manager
johnsons@wapa.gov
970.252.3000

Brian Sadler
Administrative and Technical Services Manager
sadler@wapa.gov
801.524.5506