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

![Examples of Purchase Power and Excess Power](image)

- **Sell:** 80
- **Purchase:** 60
- **Power:** 80
- **Contract:** 10
Purchase Power and Hydrology

<table>
<thead>
<tr>
<th>Water Year</th>
<th>Average Elevation</th>
<th>Generation (GWh)</th>
<th>Purchase Power</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Glen Canyon</td>
<td>Glen Canyon</td>
<td>All CRSP Units</td>
</tr>
<tr>
<td></td>
<td>2017&lt;sup&gt;a&lt;/sup&gt;</td>
<td>3,612.8</td>
<td>3,652</td>
</tr>
<tr>
<td></td>
<td>2018&lt;sup&gt;b&lt;/sup&gt;</td>
<td>3,612.8</td>
<td>3,730</td>
</tr>
<tr>
<td></td>
<td>2019&lt;sup&gt;c&lt;/sup&gt;</td>
<td>3,584.4</td>
<td>3,485</td>
</tr>
</tbody>
</table>

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

End of Month Lake Powell Elevation

CRSP Update | 7
Questions

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

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