AADF Update to the Swan Falls Policy Group

Presented by: Dan Stanaway
Date: 08/12/2015
Adjusted Average Daily Flow

• Calculation based on six measurements
  – CJ Strike, Swan Falls, Bliss, Lower Salmon Falls, headwater
  – Snake River Murphy and Milner gages
• Second complete year of calculation
• Following the Streamflow Measurement and Monitoring Plan
• Two calculations performed to verify values
• Compare results with IPCo
Year in Summary

• Early spring melt - high early season water demand
• Hot and dry March and April
• Wet and cool May and July
• Upper basin flow augmentation releases 5/5 – 6/20
• Two day Swan Falls Agreement minimum flow shortfall (3/28, 3/29)
• AADF generally increasing since 7/5
• New USGS gage established below Swan Falls
AADF Year to Date

SUMMARY HYDROGRAPH SNAKE RIVER NR MURPHY 1981-2015

Minimum Streamflow at the Murphy Gaging Station
Unadjusted Average Daily Flow 2015
Minimum of Record (1981-2014)
3-day Average of the Adjusted Average Daily Flow (AADF)
## Swan Falls Agreement Shortfall

### Swan Falls Agreement Minimum Flow Shortfall 2015

**Minimum Streamflow at the Murphy Gaging Station**

<table>
<thead>
<tr>
<th>Date</th>
<th>Snake River at Murphy (cfs)*</th>
<th>Reservoir Adjustment (cfs)</th>
<th>AADF (cfs)</th>
<th>AADF - 3 day average (cfs)</th>
<th>Swan Falls Agreement Shortfall (AF)</th>
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<tbody>
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**Total Shortfall (AF)** 190

*Approved Values
AADF Reach Gains – Milner to Murphy

**Monthly Average**

- Jan
- Feb
- Mar
- Apr
- May
- Jun
- Jul
- Aug
- Sept
- Oct
- Nov
- Dec

**Year to Date**

- 2014
- 2015
- Minimum of Record (1991 - 2014)
Questions