

2024 Annual Operating Plan

April 1, 2024 thru March 31, 2025

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Water Resources Division
April 17, 2024



Annual Operating Plan

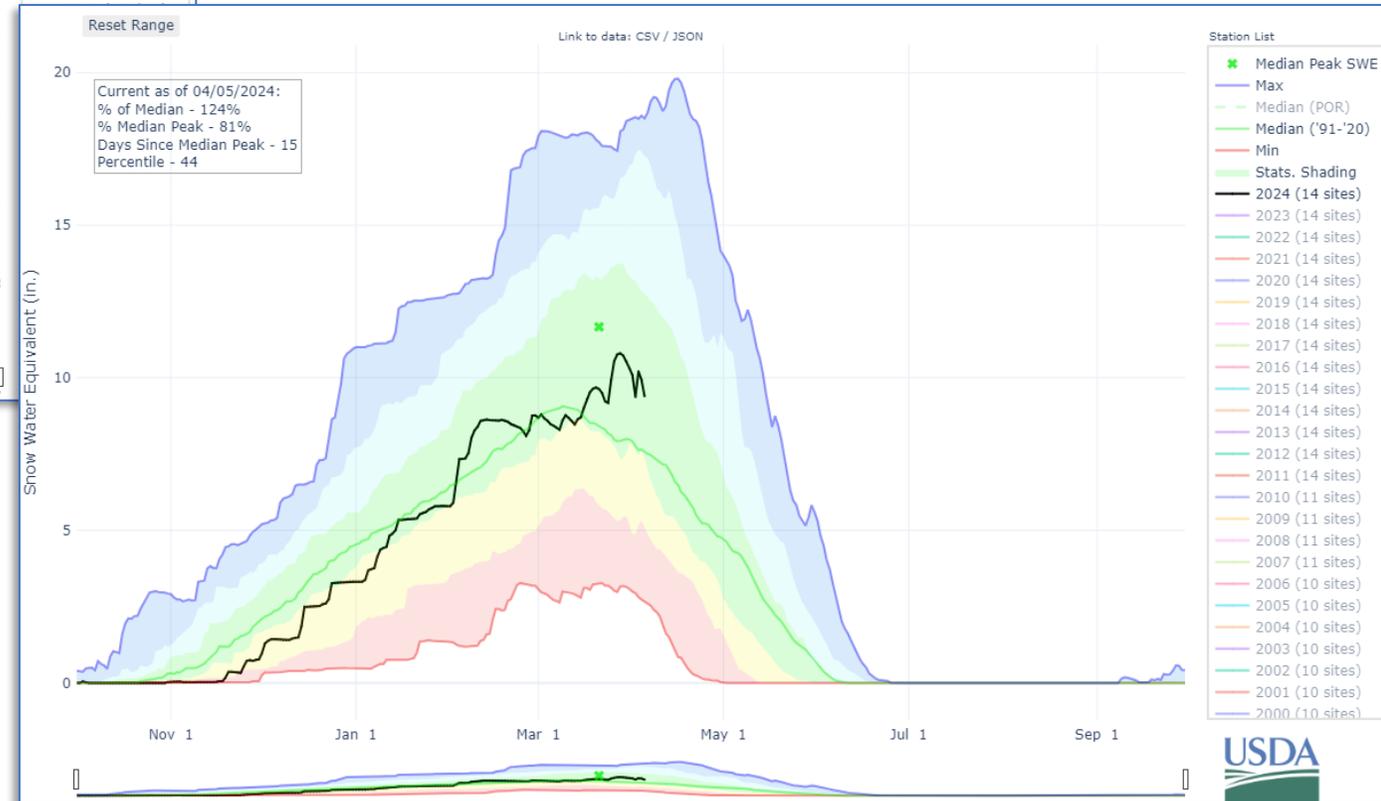
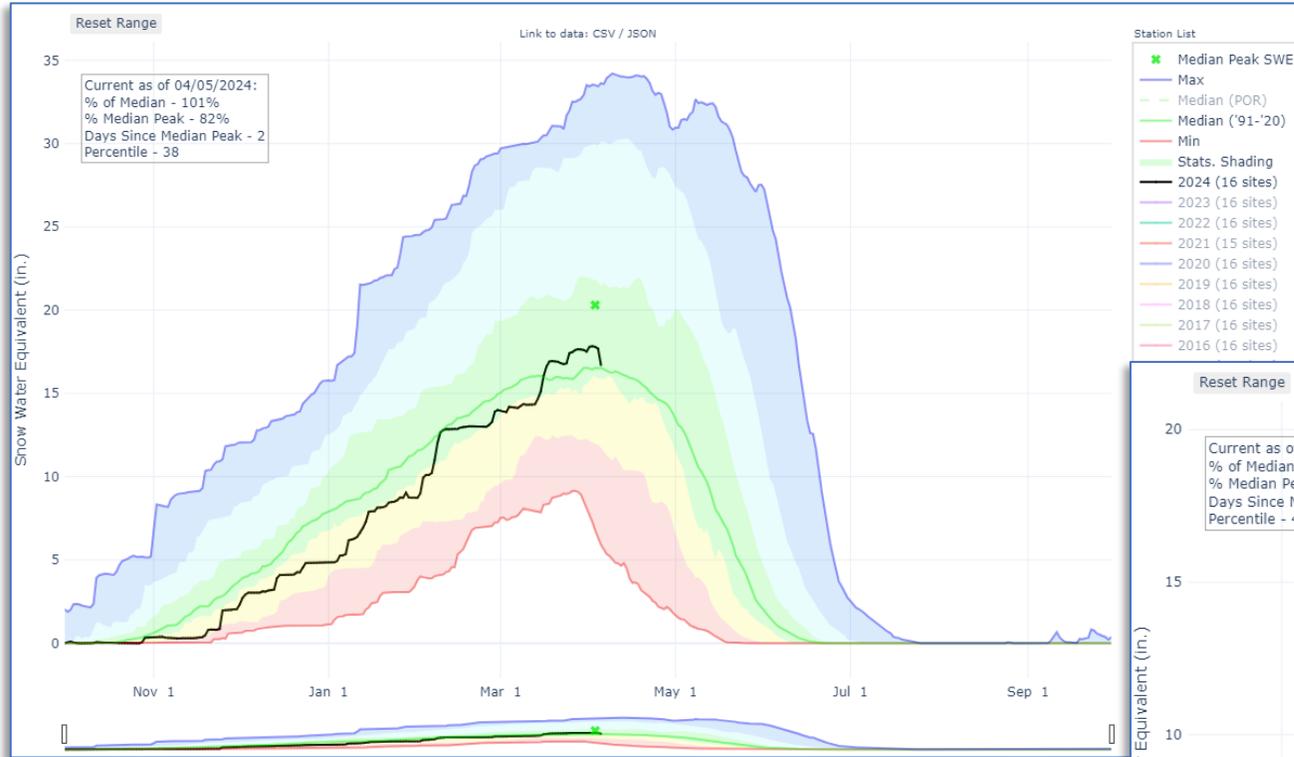
- Based on forecasted conditions and non-binding
- Operating period: April 1, 2024 to March 31, 2025
- Due to USFWS by May 15th
- Key inputs into AOP:
 - SP-4830 Conditions 12 and 13
 - USACE/Reclamation flow forecast model results
 - Minimum groundwater operation
 - *Water 2120* demand projection
- Coordination between Water Resources, Groundwater Operations, and Drinking Water Plant



Snow and Precipitation

Bureau of Reclamation website:

<https://www.usbr.gov/uc/albuq/water/index.html> (Date accessed: April 5, 2024)



Precipitation and Temperature Outlook

July – Sept, 2024

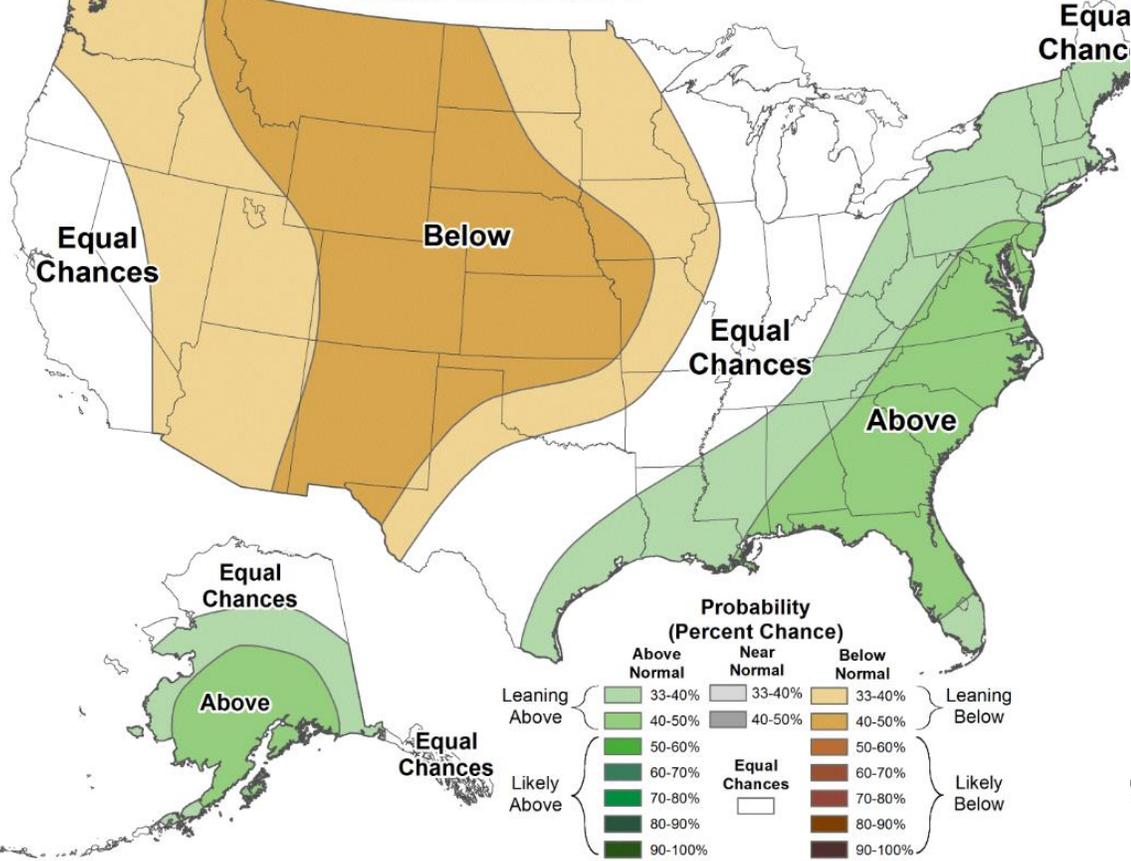
National Weather Service Climate Prediction Center website:

https://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=4 (Date accessed: April 4, 2024)



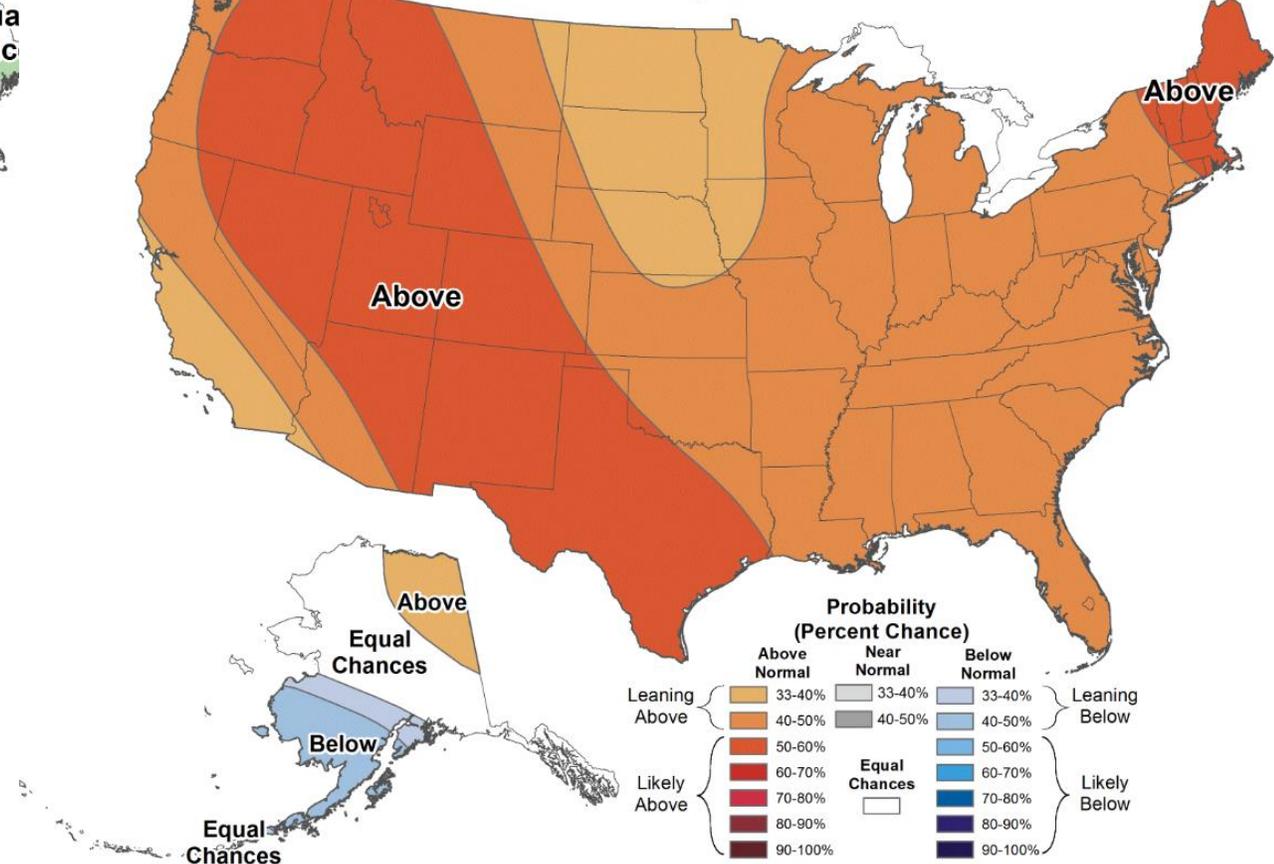
Seasonal Precipitation Outlook

Valid: Jul-Aug-Sep 2024
Issued: March 21, 2024



Seasonal Temperature Outlook

Valid: Jul-Aug-Sep 2024
Issued: March 21, 2024



SP-4830 Conditions 12 and 13

- *Condition 12* → “native” flow must be available AND stream flows at Albuquerque Central gage must be > 122 cfs
- *Condition 13* → diversion of “native” water must be curtailed when native flow is < 195 cfs at Alameda gage

AND

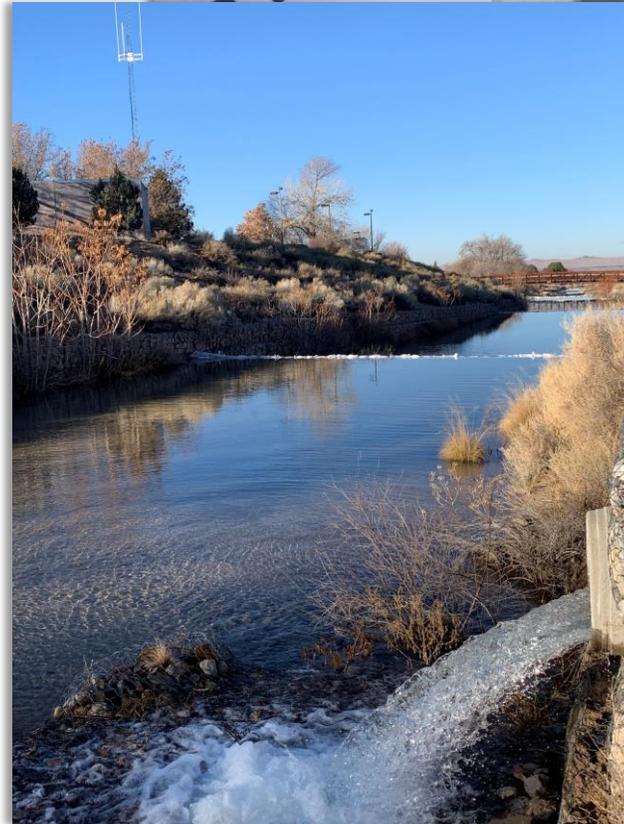
Diversion must be suspended if native flow in the Rio Grande channel is ≤ 130 cfs at Alameda gage OR stream flows in the Rio Grande channel ≤ 122 cfs at the Albuquerque Central gage

- AOP has both conditions set as thresholds that must be met for operation of the DWP diversion

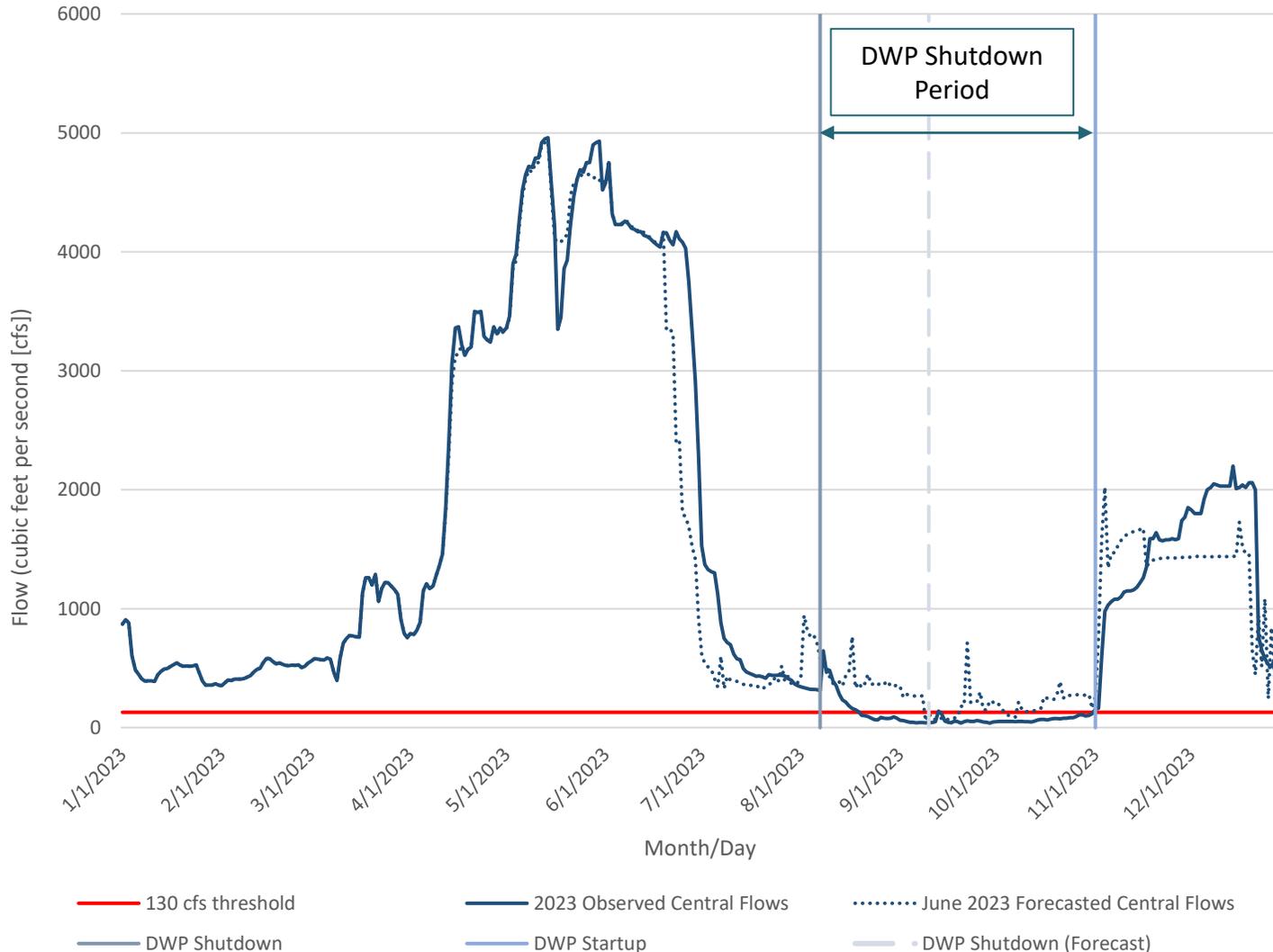


Additional AOP Considerations

- Minimum groundwater pumping (in MGD)
- Reuse usage for operating period based on a three-year average
- North non-potable project demand (SP-4819) based on three-year average
- North non-potable surface water diversion shutdown during drying in Albuquerque reach
- DWTP Large-Scale ASR Project – injected volume
- Bear Canyon ASR Project – recharge volume



2023 Central Flows and Water Authority DWP Operation



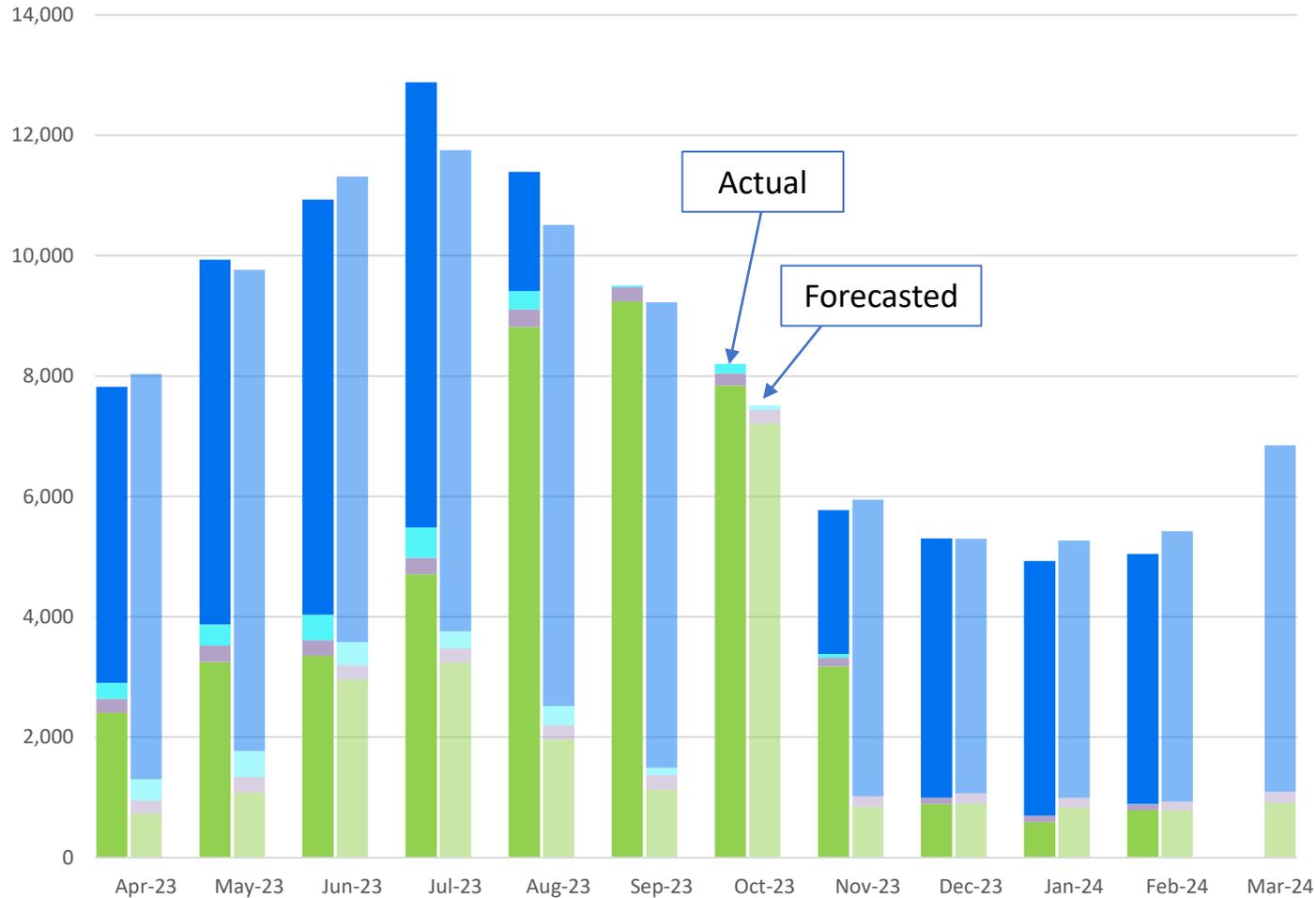
- DWP shutdown: August 7, 2023
- DWP resumed on November 1, 2023
- North-Nonpotable system shutdown when Central flows were below 90 cfs
- “Non-soon” meant persistent low flows
- Increased coordination with MRGCD



2023 AOP vs. Actual

April 1, 2023 – March 31, 2023

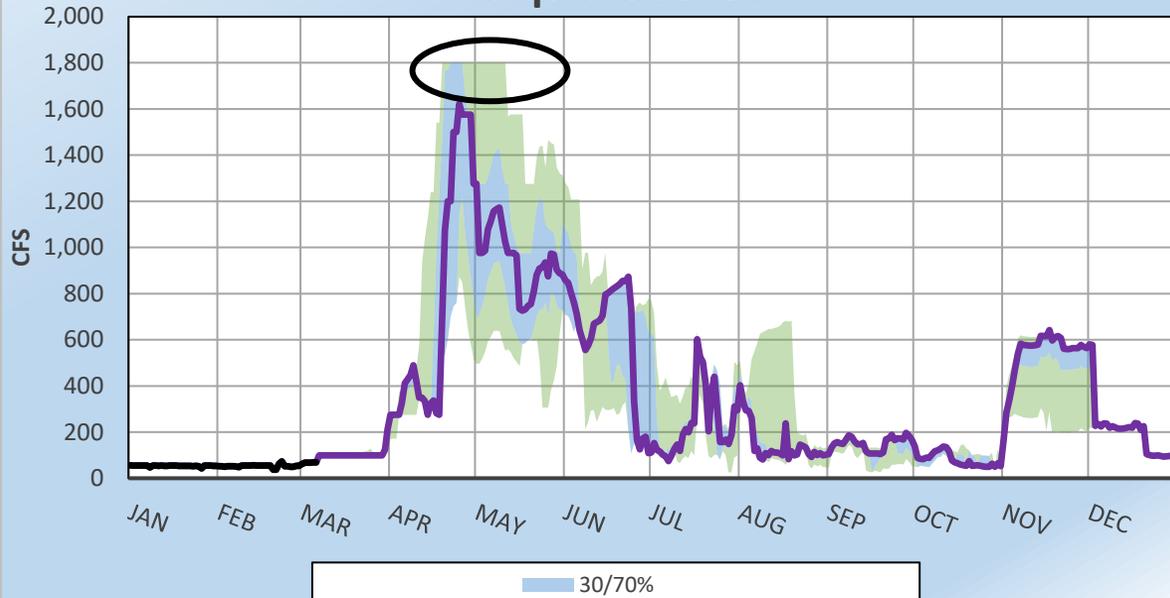
2023 AOP Supply Projections vs. Actual Supply Use



Month	% Surface Water	% Groundwater
April 2023	68%	32%
May 2023	66%	34%
June 2023	69%	31%
July 2023	63%	37%
Aug 2023	21%	79%
Sept 2023	0%	100%
Oct 2023	2%	98%
Nov 2023	44%	56%
Dec 2023	83%	17%
Jan 2024	88%	12%
Feb 2024	84%	16%
March 2024	TBD	TBD

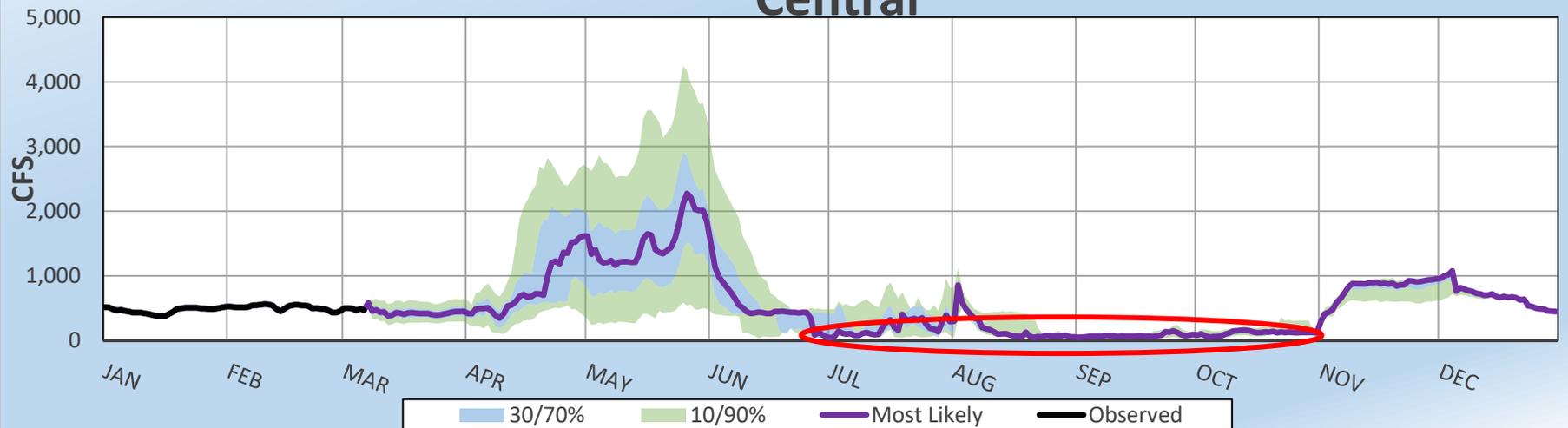
Bureau of Reclamation 2024 Flow Forecast Results

Abiquiu Outflow



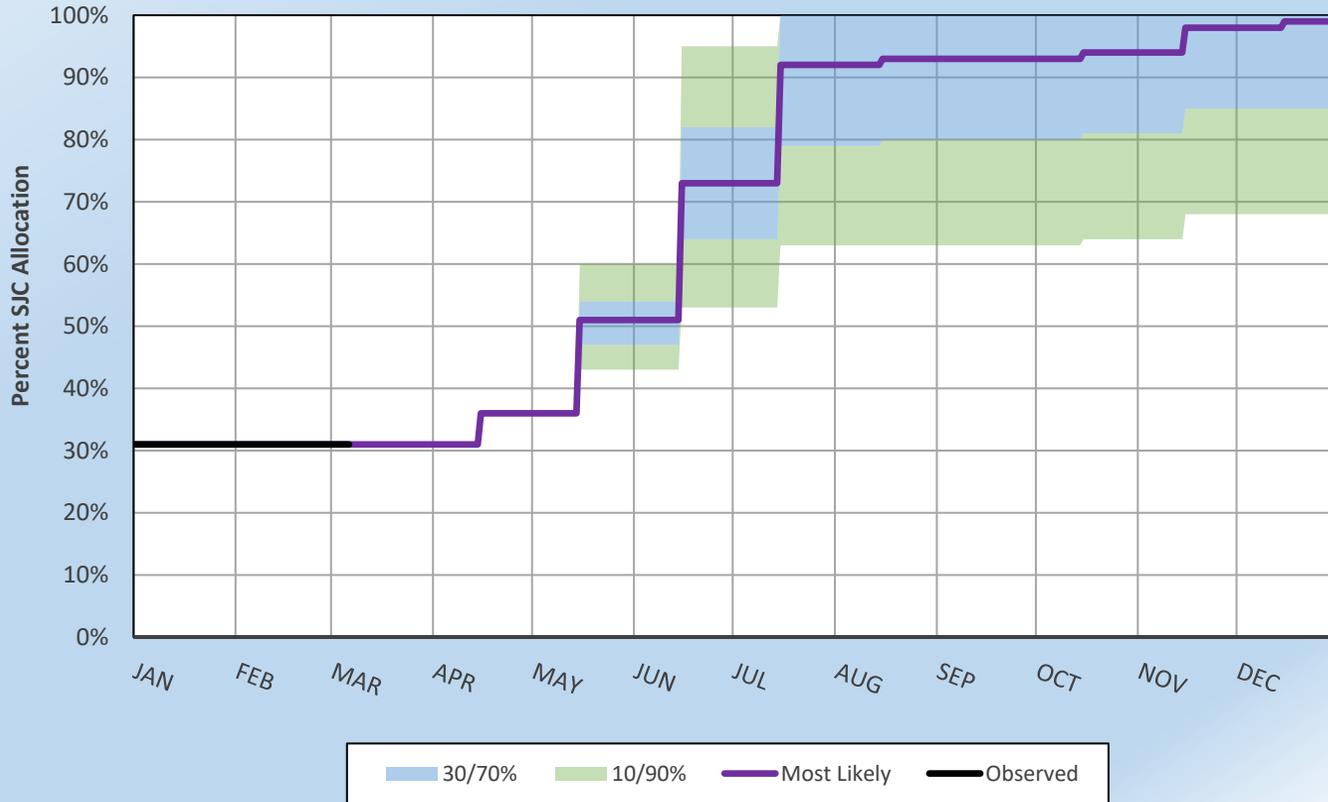
- Flood operations at Abiquiu Reservoir are anticipated; uncertainty in duration
- Reclamation forecast assumes less active monsoon season → La Niña conditions projected
- Late-summer flows dependent on monsoons and MRGCD operations

Central

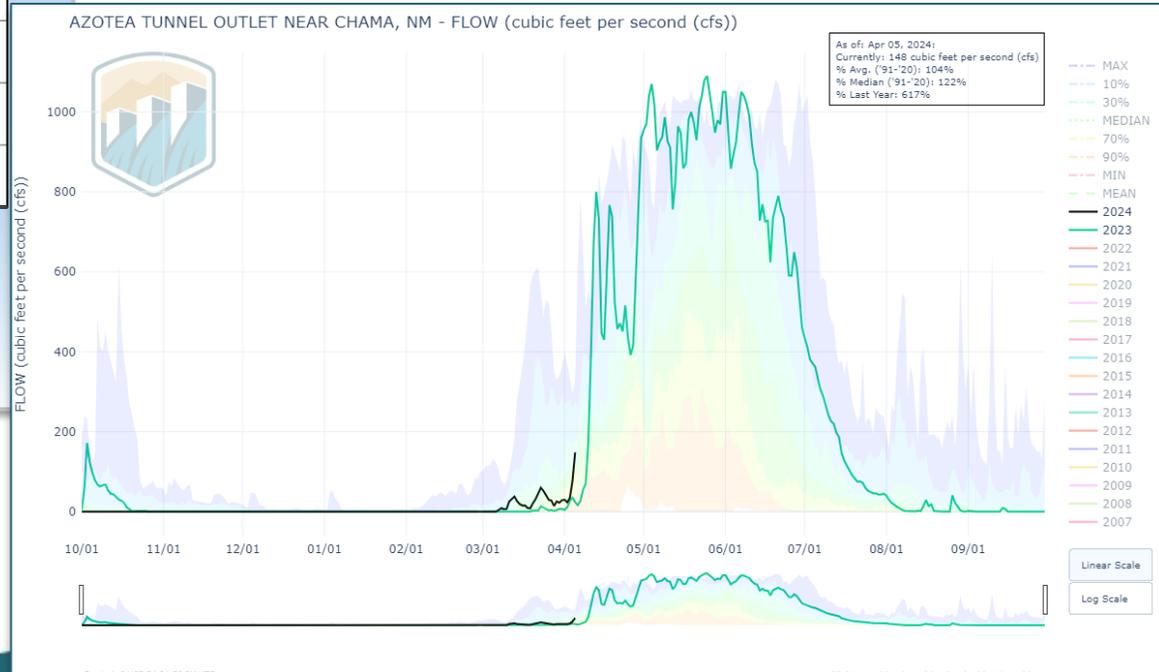


San Juan-Chama Allocation Projection

SJC Allocation

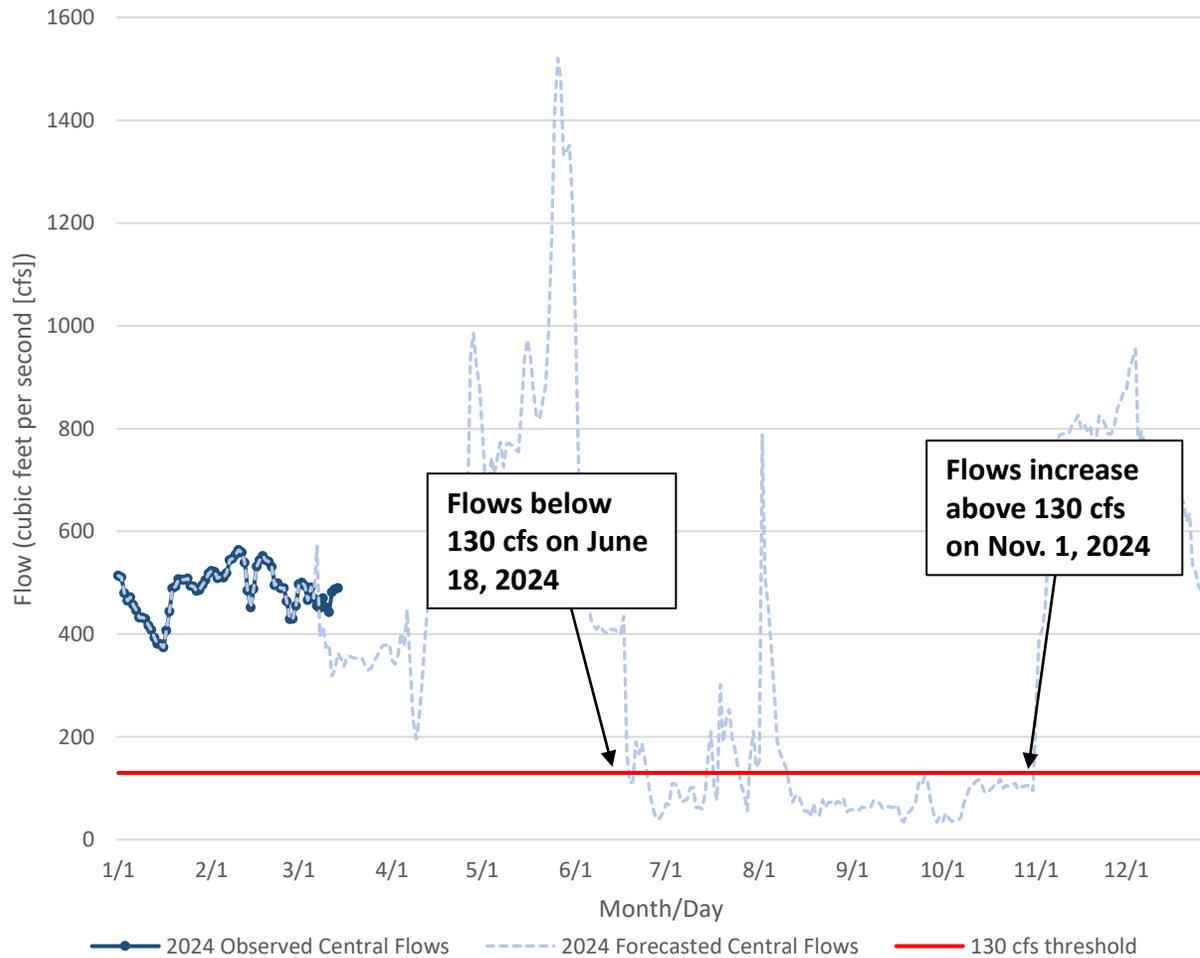


March 2024 projection indicates 98% allocation (most likely scenario)



Water Authority Operations

April 1, 2024 – March 31, 2025

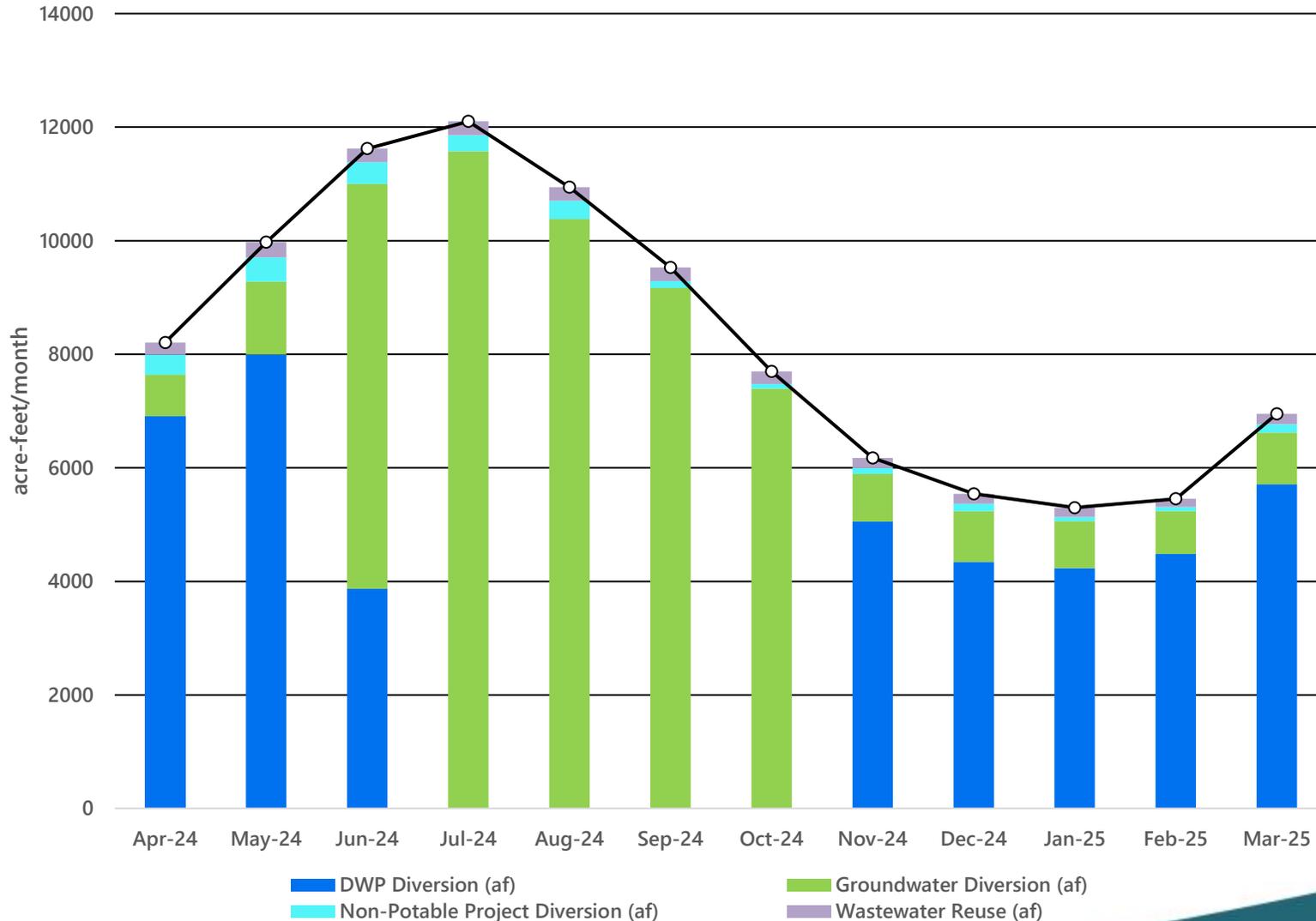


- Based on 70% exceedance scenario
- No DWP diversions beginning in mid-June through October 2024
- DWP will utilize shutdown to complete maintenance of facility
- Actual operation will depend on observed flow conditions



Water Authority Monthly Diversions

April 1, 2024 – March 31, 2025



Month	% Surface Water	% Groundwater
April 2024	91%	0%
May 2024	87%	13%
June 2024	37%	63%
July 2024	2%	98%
Aug 2024	3%	97%
Sept 2024	1%	99%
Oct 2024	1%	99%
Nov 2024	86%	14%
Dec 2024	83%	17%
Jan 2025	84%	16%
Feb 2025	86%	14%
March 2025	87%	13%



Regional Collaboration

- Continued support of Rio Chama recreational rafting flows
- Environmental flows for endangered fish species
- P&P native water storage at Abiquiu
- Continued coordination with regional water managers
- Coordination with MRGCD staff



2024 AOP Recap

- AOP is our best understanding of conditions, based on model forecasts
- Actual operations will be based on observed flows, with goal to operate DWP when flows allow
- Flood operations are likely to occur



Questions?

