

Agenda Item 3.1

Reservoir Operations Plan, Version 1

Joint Reservoir Committee & Authority Board

December 17, 2021

Background

- Objective:
 - Provide participants with an overview of project operations
 - Discuss operating assumptions that are included in the modeling
 - Discuss annual operating process

Reservoir Operations Plan - Summary

- Focuses on three components:
 - Diversions
 - Storage in the reservoir
 - Releases/deliveries
- Also discusses and summarizes exchanges, anticipated operations of Prop 1 and Reclamation
- Provides outputs and graphs of modeling – assumes Alternative 1B
 - Modeling results provided to illustrate averages. Not intended to restrict actual operations.

Reservoir Operations Plan - Diversions

- Provides overview of diversion facilities
- Diversion criteria
 - System-wide
 - Project-specific
- Diversion priority
 - Diversions allocated proportionate to Storage Allocation, until “bucket” is full
 - No priority between Storage Partners
 - Consistent with Principles of Storage
- Water impounded from Funks and Stone Corral Creek discussed, consistent with Colusa County MOU

Reservoir Operations Plan - Storage

- Storage accounts managed by Storage Partners
 - Size and maximum account size determined by Storage Allocation
- Can lease or sell storage space
- Evaporation allocated proportionate to amount of storage in reservoir by Storage Partner
- Dead pool of 120 TAF
- Consistent with Principles of Storage, Storage Allocation

Reservoir Operations Plan – Releases

- Provides overview of release facilities
- Provides model output for expected releases, timing
- Release criteria and timing for NOD, SOD
- Release Orders
- Forecasting for Deliveries

January

- Initial requests for Sites water provided by participants for delivery or transfer
- Coordination with GCID and TCCA on diversions

February

- Coordination with GCID and TCCA on diversions
- Final requests for Sites water releases before transfer window (further requests accommodated when possible)

March

- Sites begins releasing water for DWR and Reclamation exchanges
- Coordination with GCID and TCCA on diversions
- Coordination with CDFW on Prop 1 water deliveries
- Some releases for NOD use

April

- Final requests for Sites water releases to SOD (further requests accommodated when possible)
- Releases for NOD purposes
- Coordination with CDFW on Prop 1 water deliveries

May

- SOD participants notify DWR of final Sites requests for season
- Peak release month for exchange water
- Releases for NOD purposes
- Prop 1 water schedule finalized with CDFW

June

- Peak month for water backed into Oroville and Shasta
- Releases for NOD use
- Carriage water costs determined (proposed)



Primary Diversion Months

Exchanges with Reclamation and DWR

Transfer Window (SOD Deliveries)

July

- Transfer window opens, SOD deliveries begin
- Water exchanged into Shasta and Oroville begins to release
- Key month: Coordination with TCCA, CBD, DWR on releases to river
- Coordination with Reclamation and DWR on exports
- Releases for NOD use

August

- Exports for SOD use
- Yolo Bypass Prop 1 deliveries
- Key month: Coordination with TCCA, CBD, DWR on releases to river
- Coordination with Reclamation and DWR on exports
- Releases for NOD use

September

- Exports for SOD use
- Key month: Coordination with TCCA, CBD, DWR on releases to river
- Yolo Bypass Prop 1 deliveries
- Coordination with Reclamation and DWR on exports
- Releases for NOD use

October

- Exports for SOD use
- Continued coordination with TCCA, CBD, DWR, Reclamation on releases and deliveries
- Releases for NOD use

November

- Last month for SOD exports
- Coordination with GCID and TCCA on diversions
- Releases for NOD use

December

- Coordination with GCID and TCCA on diversions

Next Steps

Currently under review by Ad Hoc O&E Workgroup, will be distributed in late December/early January

Version 1 includes information known to date. Version 2 coming in 2022/2023 as more information is known

Questions?