

Operations & Engineering Workgroup

May 1, 2024



Agenda

1.1 – Review components of draft Sites Operations Plan Version 2 related to B&O Contract

- a. Downstream conveyance and capacity
- b. Draft forms to request diversion and release

Agenda Item 1.1. a

Downstream Conveyance & Capacity

Angela Bezzone

Background

- Staff presented concepts regarding downstream capacity conditions in January
 - Included proposed principles
 - Four examples of constrained/unconstrained capacity conditions
- Received some feedback – today is to continue discussion

Hierarchy and Interaction between Documents



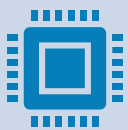
Benefits and Obligations Contract

Grants capacity interests in the Project and a right to water service to Participants and defines obligations



Operations Plan

Describes day to day operations including decision process for when/how to divert and release



Operations Manual (to be developed)

Will explain actual operations and physical project components, such as which valves to open, etc.

B&OC Policy Issue

- When developing B&OC, one major remaining policy issue was identified:
 - How to address downstream capacity limitations
- B&OC establishes Base/Downstream capacity interest and allocation of costs
- Operations Plan needs to describe how capacity limitations will be addressed through operations

Overarching Capacity Assumption

- Downstream capacity interest is proportionate to Base capacity interest

Example Storage Partner	Base Capacity Interest	Downstream Capacity Interest
A	25%	36%
B	10%	0%
C	10%	14%
D	20%	0%
E	35%	50%
Total	100%	100%

Overview of Concepts and Principles

- Storage Partners with downstream capacity have first priority
 - Are limited to their proportionate Downstream Capacity Interest when capacity is limited
 - Have first priority to move transfer water over Storage Partners without downstream capacity
- Storage Partners without downstream capacity have second priority
 - Would need to use unused capacity and may need to adjust schedule to find that opportunity

Feedback – Topic 1

- When unused capacity is needed by multiple partners that own capacity, we may want to consider having an objective method of proportioning the unused capacity based upon each partner's purchased capacity amount. This is not intended to prevent a different arrangement that could be made voluntarily by all of the partners involved but it may be nice to have an objective, default method, in the plan, as a starting point.
- In this instance, the staff proposal is that unused capacity would be shared proportionately to each Partner's Capacity Interest. In other words, consistent with what is suggested in first sentence above.

Feedback – Topic 2

- When capacity is sold to a partner that does not own capacity and multiple partners have unused capacity to sell, which partner sells the capacity? Or, do all partners with available capacity proportionally sell capacity?
- If there is unused capacity for a transfer, then the water would move through that unused capacity and any charged capital would be distributed proportionately to unused capacity owners.
- If a Participant is intentionally reducing releases to make a portion of their Downstream Capacity Interest available for a transfer, then any charged capital would be distributed only to that Participant.

Questions?



Agenda Item 1.1.b

Draft Diversion & Release Request Forms

Ali Forsythe

Background

- Clear, simple, not intended to cover every possible situation
- By the time of operations, these forms would be filled out in an electronic database format
 - Many of the sections would auto populate and auto calculate
- Timing for first submittal and frequency/timing for changes being worked out
- Currently only addresses Sites Water
 - Would need to address Other Water directly with Authority staff (may add into a future form prior to actual operations)

Opportunity Request Form

- Used to determine an “up to” fill amount for a Storage Partner’s Storage Allocation
- Three options
 - Fill entire
 - Partial fill
 - Do not fill any
- Provides opportunity to enter information for lease of storage and sale/exchange of water
 - Authority would make this info available to all Storage Partners to facilitate connections

Release Request Form

- Used to determine an “up to” release amount and timing from a Storage Partner’s Storage Allocation
- Two fundamental options
 - Do not release
 - Release request
 - By month
 - By delivery point
 - Allows for/envisioning multiple delivery points

Feedback

- Thoughts and feedback on forms

Operations Plan V2 – Next Steps

- May 24, 2024 – Provide a draft to State Water Board and Parties to water right proceeding
 - Will focus on diversion, storage and release for the overall Project
 - Pulls from current documents (Final EIR/EIS, permit applications, etc)
- July 1, 2024 – Revised draft for O&E Work Group Review
 - Will add in more sections around member activities
 - Will circulate with updated B&O contract sections on operations (Section 4 and 8) to crosswalk the two
- July 19, 2024 – O&E Work Group comments due
- August 16, 2024 – Targeted date for RC/AB approval

Thank you!

Next Meeting:

Wednesday, May 15, 2024 (1:30 pm – 3:30 pm)



Downstream Conveyance Conditions

1. No capacity constraints for Storage Partners with downstream capacity interest
2. Limited capacity for delivery to Storage Partners with downstream capacity interest
3. No capacity constraints when a Storage Partner without downstream capacity interest is transferring to entity who needs downstream capacity
4. Limited capacity when a Storage Partner without downstream capacity interest is transferring to entity who needs downstream capacity

1. No Capacity Constraint – No Transfer

- Storage Partners with downstream capacity interest submit Release Request Forms with no conflicts
 - Storage Partners are not limited to their Downstream Capacity Interest if no capacity constraint exists (e.g., not being fully utilized by others)
- Sites will develop schedule and coordinate with DWR and Reclamation
- If capacity constraints arise later in release season, Sites will coordinate as described under scenario 2

1. No Capacity Constraint – No Transfer

Release Requests and Release Schedule				
Example Storage Partner	Downstream Capacity Interest	July	August	September
A	36%	50%	36%	0%
B	0%	0%	0%	0%
C	14%	0%	14%	90%
D	0%	0%	0%	0%
E	50%	10%	50%	0%
Total	100%	60%	100%	90%

Example notes:

- Examples are shown in percentages for easy comparison, but Release Requests will be acre-feet per month
- Examples include July-September for simplicity, but releases may occur outside this time frame – the transfer window for Delta Export Facilities is July-November
- Assumed capacity constraint is Dunnigan Pipeline for discussion purposes, but constraints may also exist in Colusa Basin Drain, KLOG, and/or Delta Export Facilities

2. Limited Capacity – No Transfer

- Storage Partners with downstream capacity interest submit Release Request Forms which exceed downstream capacity
 - Storage Partners are limited to their proportionate Downstream Capacity Interest when capacity is limited
- Sites will review Release Requests and develop release schedule equitably
 - Sites will contact Storage Partners about rescheduling releases to alternative months
- May enter this situation if capacity constraints arise later in release season unexpectedly

2. Limited Capacity – No Transfer

Release Requests				
Example Storage Partner	Downstream Capacity Interest	July	August	September
A	36%	50%	40%	20%
B	0%	0%	0%	0%
C	14%	30%	10%	0%
D	0%	0%	0%	0%
E	50%	40%	70%	0%
Total	100%	120%	120%	20%

Release Schedule				
Example Storage Partner	Downstream Capacity Interest	July	August	September
A	36%	43%	36%	24%
B	0%	0%	0%	0%
C	14%	17%	0%	10%
D	0%	0%	0%	0%
E	50%	40%	64%	6%
Total	100%	100%	100%	40%

3. No Capacity Constraint – With Transfer

- Storage Partners with and without downstream capacity interest submit Release Request Forms with no conflicts
 - Storage Partners may use Downstream Capacity Interest for transfer if not being used by others (i.e., second priority)
- Sites will facilitate setting a rate for use of downstream facilities by a Storage Partner without capacity interest
 - Rate setting may be for a single year or multiple years
 - Intended to compensate those who pay for use of downstream facilities
 - Transferor will be responsible for paying O&M associated with movement of water through all facilities

3. No Capacity Constraint – With Transfer

Release Requests and Release Schedule				
Example Storage Partner	Downstream Capacity Interest	July	August	September
A	36%	50%	36%	0%
B	0%	10%	10%	10%
C	14%	0%	14%	14%
D	0%	0%	0%	0%
E	50%	30%	30%	30%
Total	100%	90%	90%	54%

4. Limited Capacity – With Transfer

- Storage Partners with and without downstream capacity interest submit Release Request Forms which exceed downstream capacity
 - Storage Partners with downstream capacity have first priority
 - Are limited to their proportionate Downstream Capacity Interest when capacity is limited
 - Have first priority to move transfer water over Storage Partners without downstream capacity
 - Storage Partners without downstream capacity have second priority
 - Would need to use unused capacity and may need to adjust schedule to find that opportunity
- Sites will review Release Request Forms and develop release schedule options
 - Sites will contact Storage Partners (including those with transfer requests) about rescheduling releases to alternative months in an attempt to meet all Release Requests
 - Storage Partners with capacity interest may agree to reduce their requested release to allow for movement of transfer water
 - Some deliveries may not be possible or will need to be rescheduled

4. Limited Capacity – With Transfer

Release Requests				
Example Storage Partner	Downstream Capacity Interest	July	August	September
A	36%	50%	36%	20%
B	0%	10%	10%	10%
C	14%	30%	14%	0%
D	0%	0%	0%	0%
E	50%	40%	45%	40%
Total	100%	130%	105%	70%

Release Schedule				
Example Storage Partner	Downstream Capacity Interest	July	August	September
A	36%	43%	36%	27%
B	0%	0%	5%	20%
C	14%	17%	14%	13%
D	0%	0%	0%	0%
E	50%	40%	45%	40%
Total	100%	100%	100%	100%