

Operations & Engineering Workgroup

July 9, 2025



Agenda

1.1 – Review Work Planning Process for Construction

1.2 – Review and Provide Feedback on Work Package 1
Scope

2 – Engineering and Construction Manager's Report

Agenda Item 1.1

Review Work Planning Process for Construction

Kyle Hughes



Key Construction-Related Permits and Approvals Requiring Pre-Construction Work

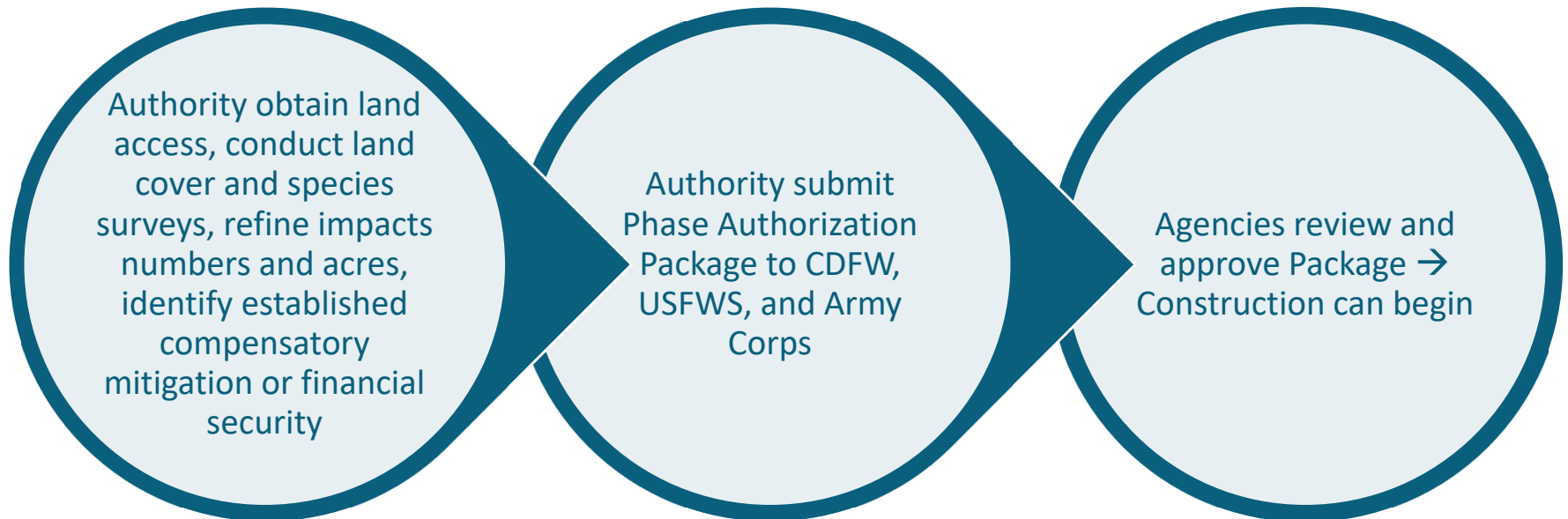
Permits In Progress

- Federal Project Construction BiOp
 - Early July 2025
- Clean Water Act
 - March 2026
- Eagle Act Permit for Construction
 - Dec 2025
- Section 106 Programmatic Agreement
 - Expected July 2025

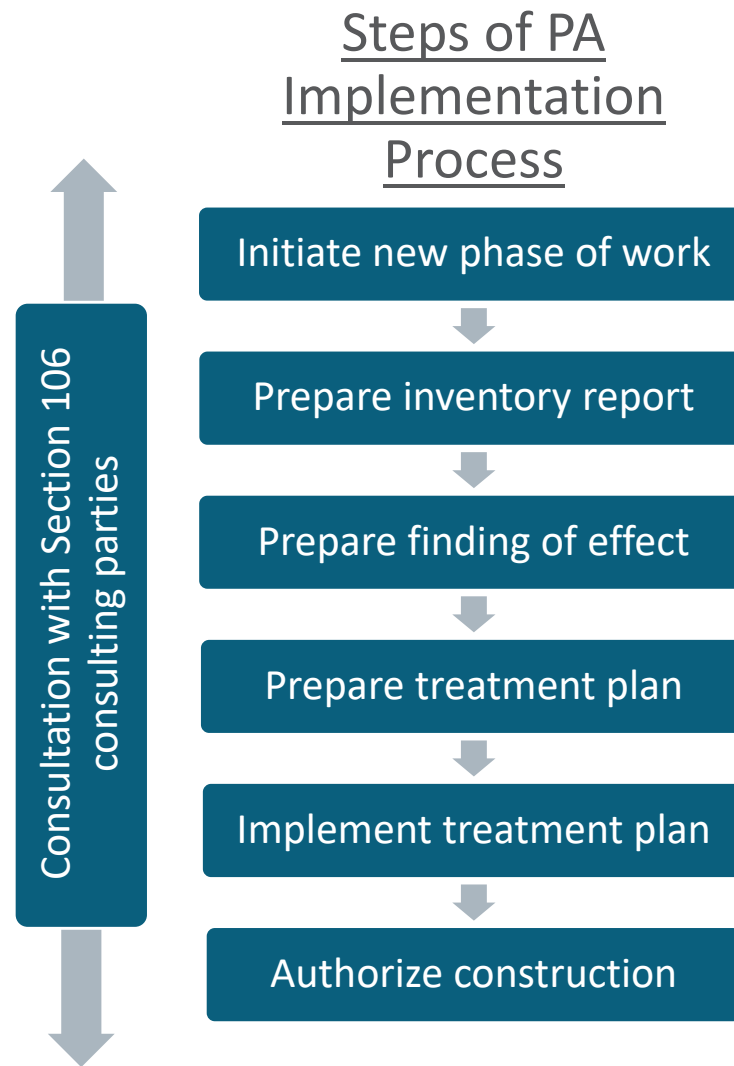
Permits Completed

- State Construction Incidental Take Permit
- Lake and Streambed Alteration Agreement
- Eagle Act Permit for Geotech
- Final EIR/EIS

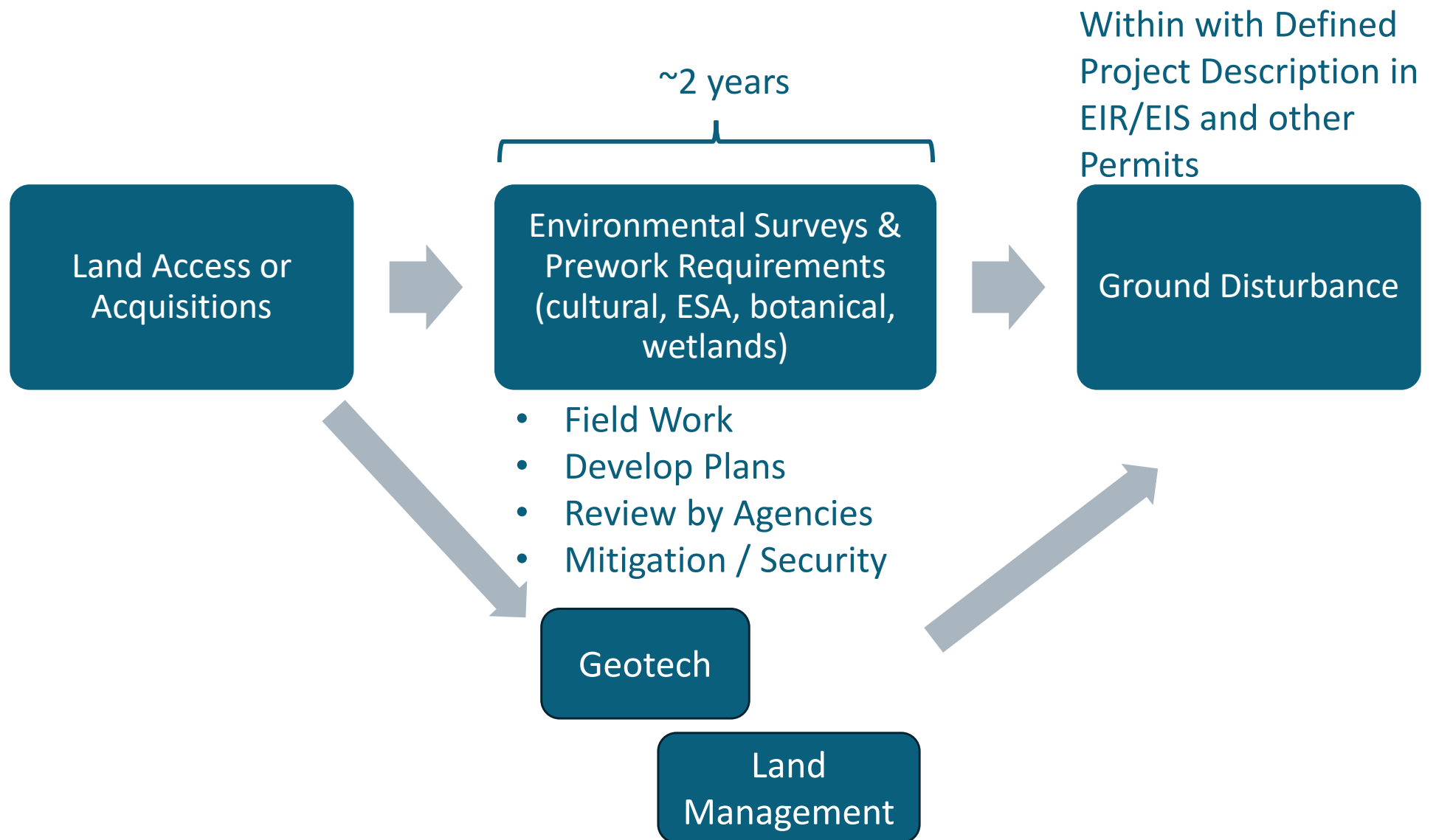
General Biological Permit Pre-Construction Work



Section 106 – Cultural Resources Pre-Construction Work



Pre Ground Disturbing Process



Owned Land / WP#1 Parameter

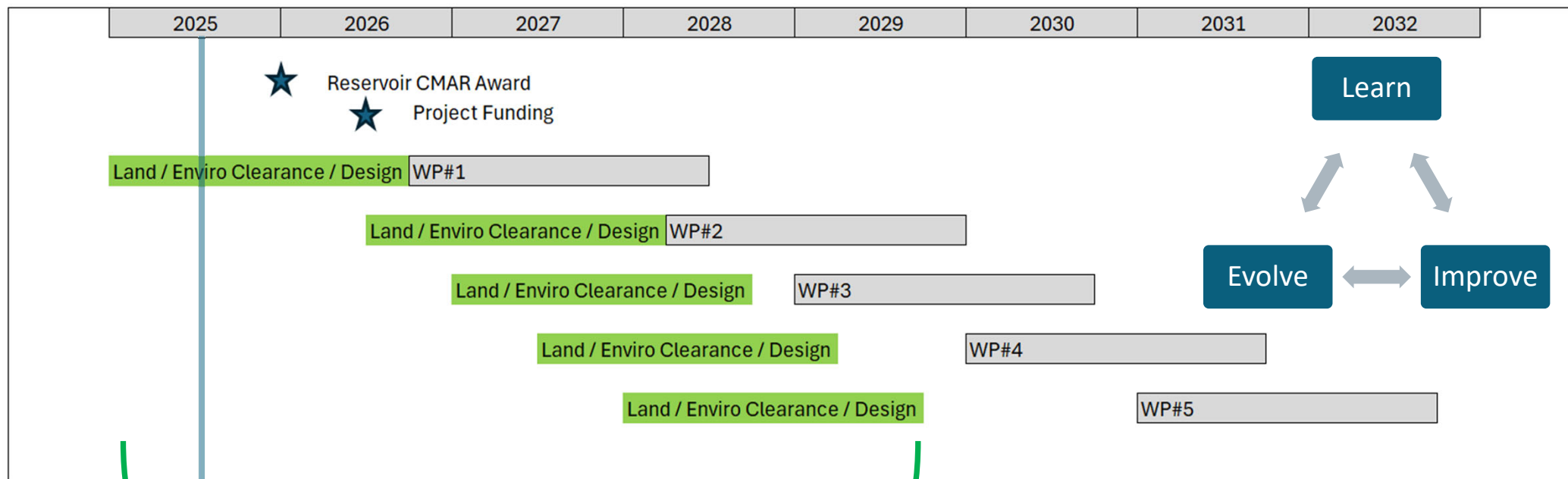


Purchased Land ~2,000 ac
(out of ~15,000 ac)

Upcoming Land
Purchases

Multiple work packages with GMPs

Work Packages will be phased based on status of land, design and environmental clearances.



Goal is truncate and reduce chances of constrained construction

Agenda Item 1.2

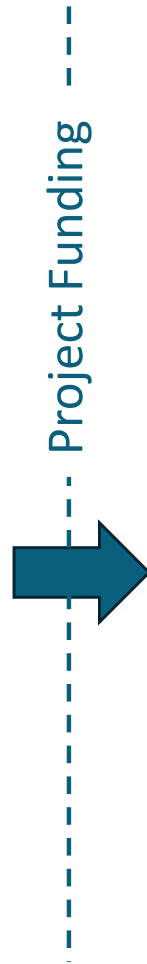
Review and Provide Feedback on Work Package 1 Scope

Kyle Hughes



Work Package #1 Timing / Budget

Mid-2025 to Mid-2026
~\$5M in current budget



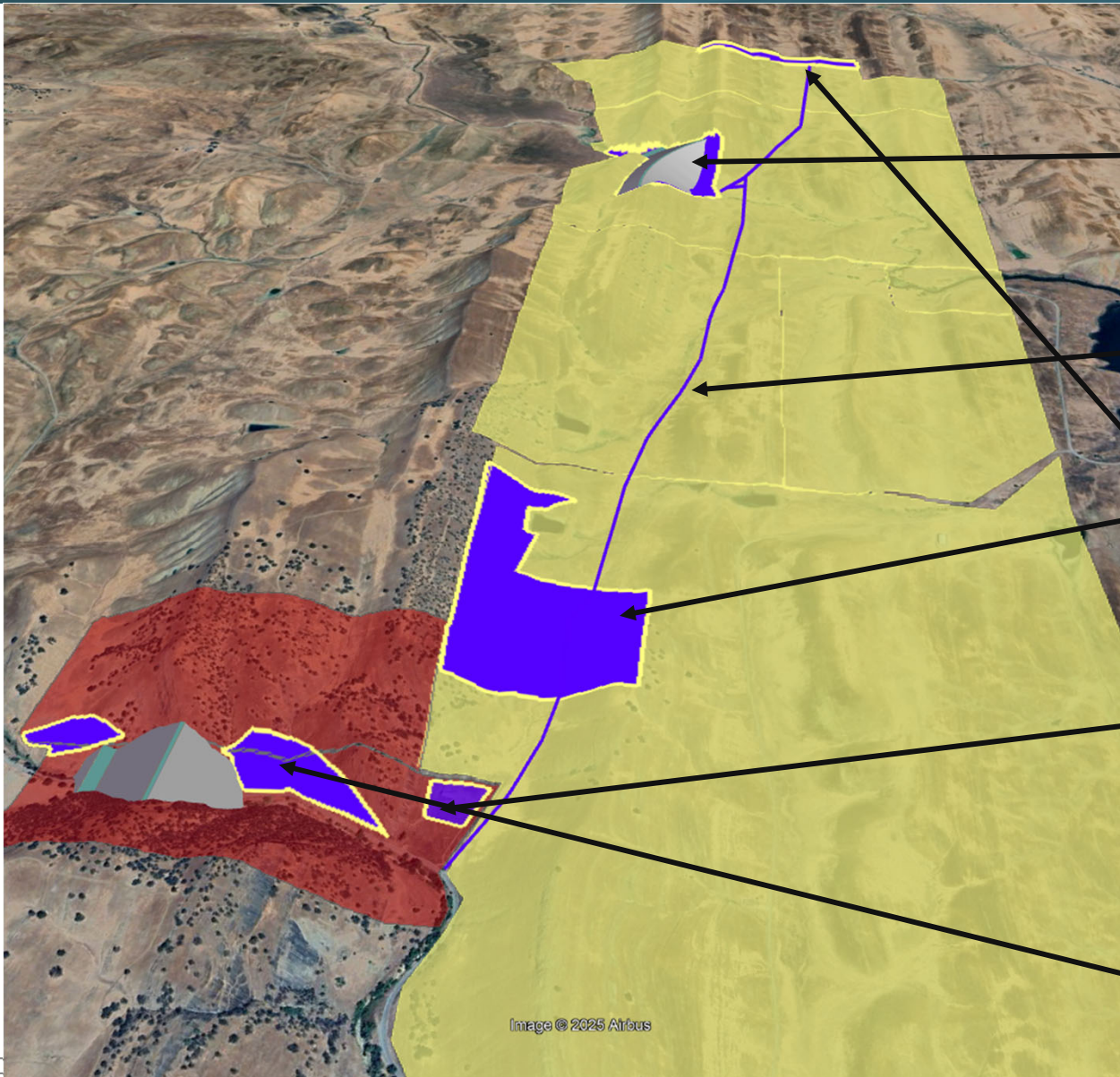
Mid-2026 and On
Up to \$100M



Work Package #1 Objectives

- Start critical path work
 - Advance schedule to meet 2032 goal
- Balance of being aggressive and realistic
- Allow a rolling start
- Reduce future Work Package risk
- Test organization structure
- Learn how to operate within permit requirements
- Provide a ground-breaking “moment”
- Others?

Work Package #1 Preliminary Scope



Diversion, Cofferdam,
Start of Foundation
Work At GGD

Access/Haul Roads

Rock Borrow Areas

Construction Offices

Start of Diversion at
Sites

Future Work Packages

- Scope of future work packages will be planned out with input from the CMAR
 - Strategic sequencing
- Generally, WP#2 is thought to be much larger than WP#1, start in 2028 and overlap with WP#1
 - Correlates with early land acquisitions strategy to maximize the allowable areas to work
- Iterate with Work Packages
 - Small bites, learn, improve, evolve

Take Aways

- Moving into a new phase – less individual subject specific tasks to cohesive team planning
- Increased collaboration
- Proactive planning - Looking across the horizon

Engineering and Construction Manager's Report

JP Robinette

Engineering and Construction Manager's Report

- Operations Plan Feedback Request (Due July 18th)
- DSOD Status
- CA ISO Status
- Future Agenda Items
 - Program Baseline Report
 - Construction Administration and Quality Strategy
 - Downstream Capacity and Modeling (Operational Capacity Considerations and Limitations)

Questions?



Thank you!

Upcoming Meetings

Special O&E Workgroup (North to South Capacity Analysis): TBD August 2025

O&E Workgroup: Wednesday September 10, 2025 – 1:00 to 3:30 p.m.

