

Sites Reservoir Project

Contractor Open House

4/18/2024



Safety Minute

Location of exits

Wildfires

- Occur when vegetation is exposed to an ignition source and conditions for combustion are met.
- Nationally, June through August tends to be the high point of wildfire season.
- Hazards with potential to cause wildfires include:
 - High winds
 - Lightning
 - Drought conditions

Agenda

- Opening Comments
- Project Overview
- Delivering the Sites Project
- Excerpts of Delivery Packages
- Preliminary Schedule for Upcoming Procurements
- Next Steps
- Connection Time

Introductions – Sites Project Staff

Sites Staff	Role
Jerry Brown, PE	Executive Director
JP Robinette, PE	Engineering and Construction Manager
Ali Forsythe	Env. Planning and Permitting Manager
Kevin Spesert	External Affairs Manager
Joe Trapasso	Program Operations Manager
Marcia Kivett	Sites Project Coordinator

Board and Reservoir Committee Members in attendance

Local Community Working Group representatives in attendance

Objectives for today



Get connected
(fill out sign-in sheet / stay
afterward for networking)



Provide overview of the
Sites Project

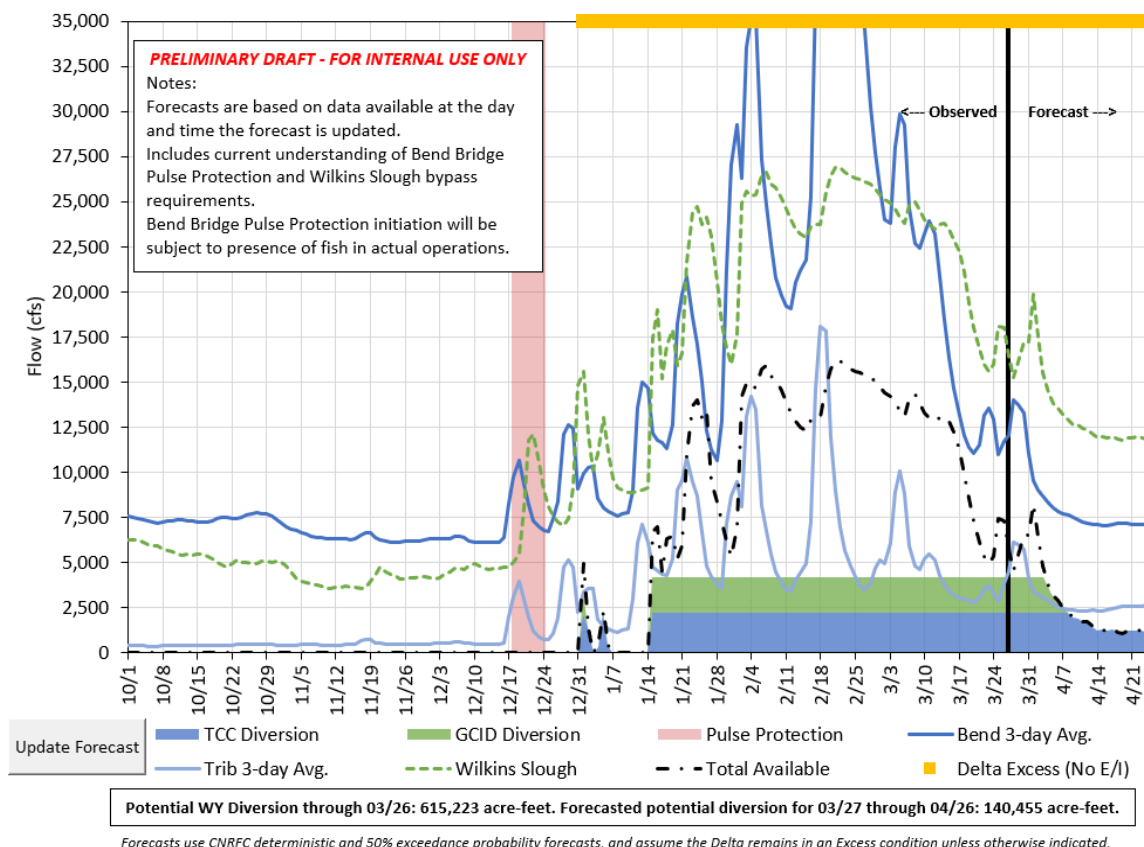


Communicate
expectations for follow
on activities/preliminary
procurement schedule

What if we had Sites today?

Year	Estimated Diversion
2023	700,000 AF
2024 (est'd thru mid-May)	1,000,000 AF
Estimated Total	1,500,000 AF+ (100% of capacity!!)

- The Reservoir would have been 100% filled within 2 years
- Confirms the Sites water availability analysis – there is sufficient water in the Sac River to fill the reservoir



A full Sites Reservoir is enough water to meet the needs of ~7 million Californians for an entire year.

Governor's Certification of Sites (SB 149) has already had a huge positive impact on expediting

- Sites was the first project to be SB149 certified
- Certified by Governor on November 6
 - Found the project meets all of the criteria for certification
 - Requires that CEQA litigation be resolved, to the extent feasible, within 270 days
 - State agencies called upon to expedite permits and approvals associated with the project
- Final EIR approved on November 17
- Legislative Budget Committee Concurred on December 6

CEQA Lawsuit

- Filed on December 19, 2023 in Yolo County Court
- Admin Record and Briefs under review
- Trial Date set for May 3
- Judge's Decision expected NLT June 3
- Appeals, if filed, required within 5 days
- Appeal decision expected NLT Oct 25
- Total days = 312



Water Rights Process

- State Board has set the water right hearing schedule
- All hearings and briefs conclude by Nov 12, 2024
- SWRCB decision by Feb 2025

Local Community Working Group Policy Recommendations

refer to January 2024 Sites Board packet for additional details



Meeting Maxwell Community Needs

Develop standard provisions in all Sites Construction Contracts requiring work to be performed in a manner compatible with local needs.



Hiring from Local Workforce and Contractors

Goals and incentives **covering** Colusa, Glenn, Yolo, Sutter, Butte, Tehama, Shasta, Placer, and Sacramento Counties.



Consider Effects on Public Services

Goal - Achieve improved public service for all during construction and after the Project is operational.



Consider Infrastructure Capacity

Implement needed improvements to local broadband, water, and sewer to improve service to local community.

Project Overview



Sites Reservoir...

... a generational opportunity to construct an off-stream **multi-benefit water storage** project that helps restore **flexibility, reliability,** and **resiliency** to our water supply



Broad Statewide Participation



Blue shading represents participant service areas; does not account for State and Federal participation.

30 Agencies

9 JPA Members

22 Reservoir Committee Members

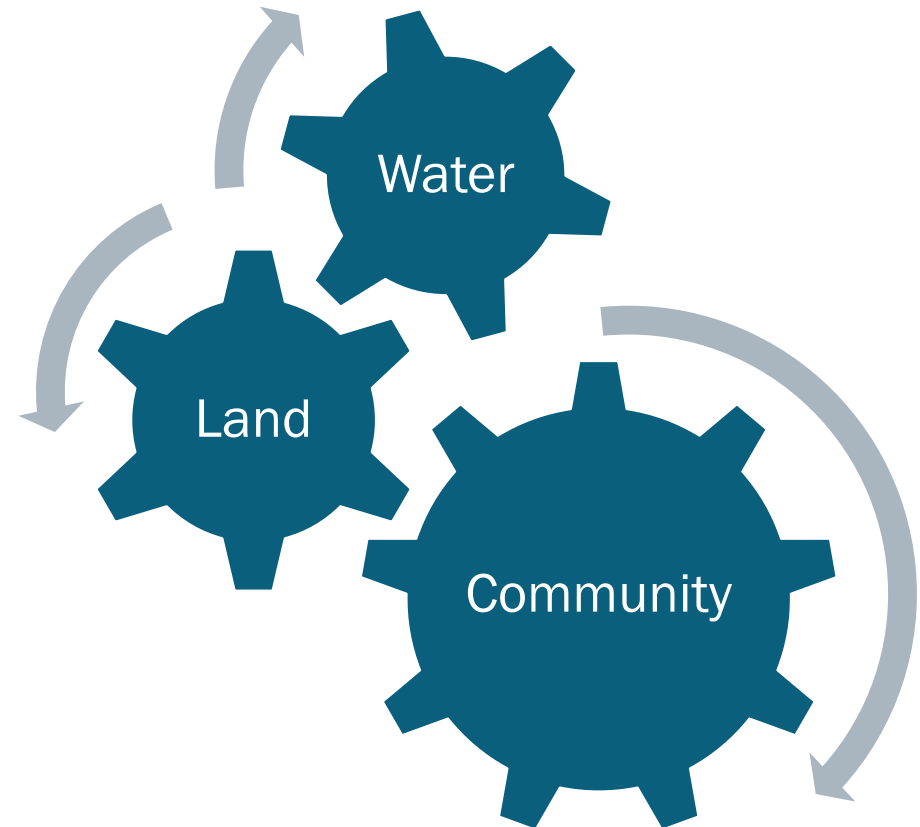
Federal and State Agencies

Serving ~24.5 million people and
500,000+ acres of farmland

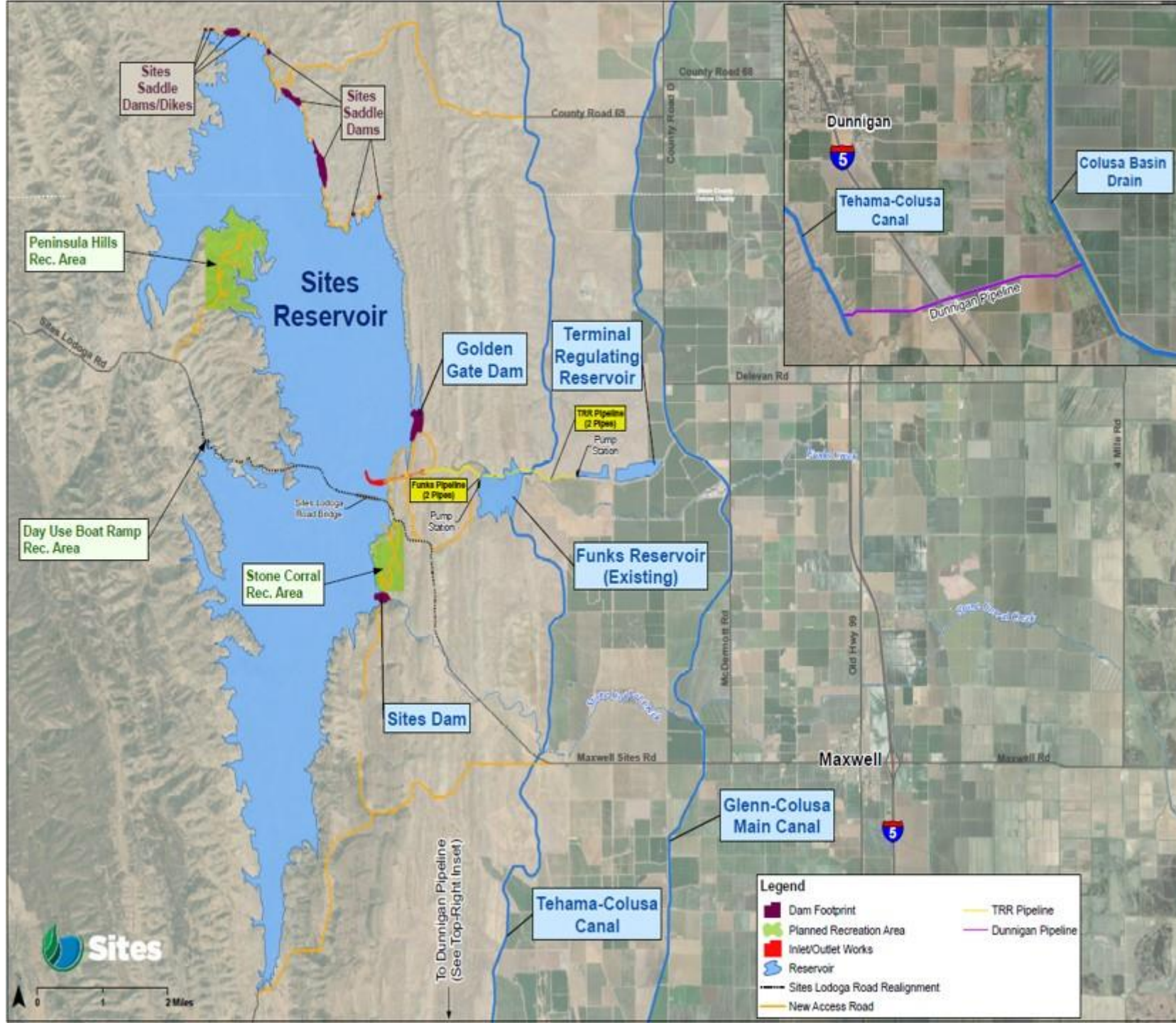
Sites is a local led project

Respect for local communities... It's how we work.

*"The Authority recognizes the **significant contributions of local Sacramento Valley** landowners and communities and will be a respectful, supportive partner and be a **good neighbor** throughout the project."*



Project Map



Sites Project Virtual Tour

video is accessible on the Sites Project website homepage - sitesproject.org



Sites

Project funding portfolio largely established

Financing before Project Construction

- Cash Calls from Participants
- Short Term Bank Line of Credit
- WIFIA Loan

Construction Financing

- WIFIA loan(s): fund up to 49% of eligible project costs, estimated to be \$2.2B
- State of California Proposition 1 Funding: \$875M
- Federal WIIN Act funds
- Long-term bonds

Timing

- Funding is limited until mid to late 2025

Permitting Underway



CEQA/NEPA

- Revised Draft EIR/Supplemental Draft EIS (November 2021)
- Final EIR/EIS (November 2023)
- CEQA Trial ruling expected (May/June 2024)



Water Right Application

- Application submitted (May 2022 and supplemented in Jan 2023)
- Protest period completed (August 2023)
- Hearing in summer 2024



Federal and State Endangered Species Act

- State and federal permits expected late 2024



Clean Water Act

- Submitted applications in January 2024
- Expect permits in early 2025

Design efforts in progress

- Completed feasibility-level design and associated cost estimate
- Completed 30% design March 2024
- Extensive geotechnical effort continues
- Board approval to negotiate purchase of critical feature lands



Feasibility Project Cost Estimate

approved June 2021

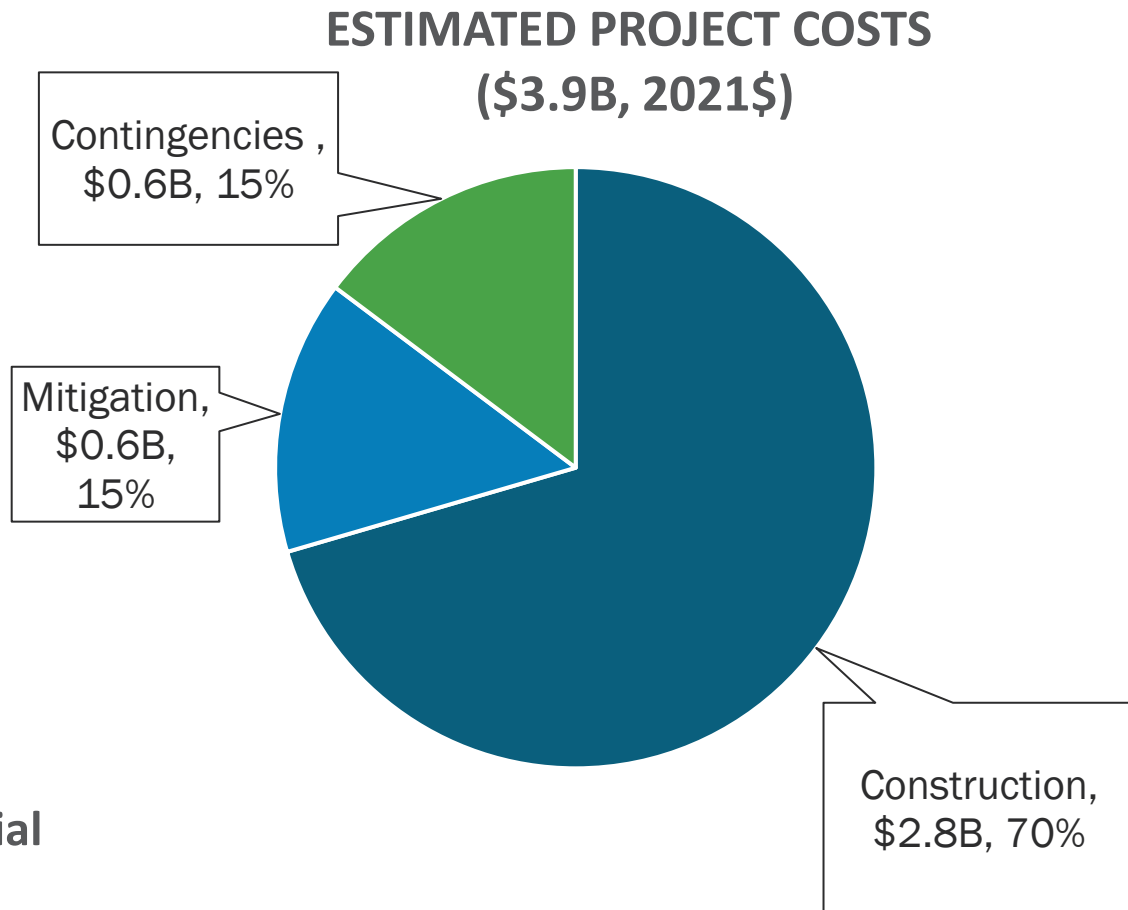
Serving California's
environment, families,
and **farms** takes:

1.5 million acre-ft of storage

9 new dams

12 miles of big pipes (9-32ft)

20 million cubic yards of material

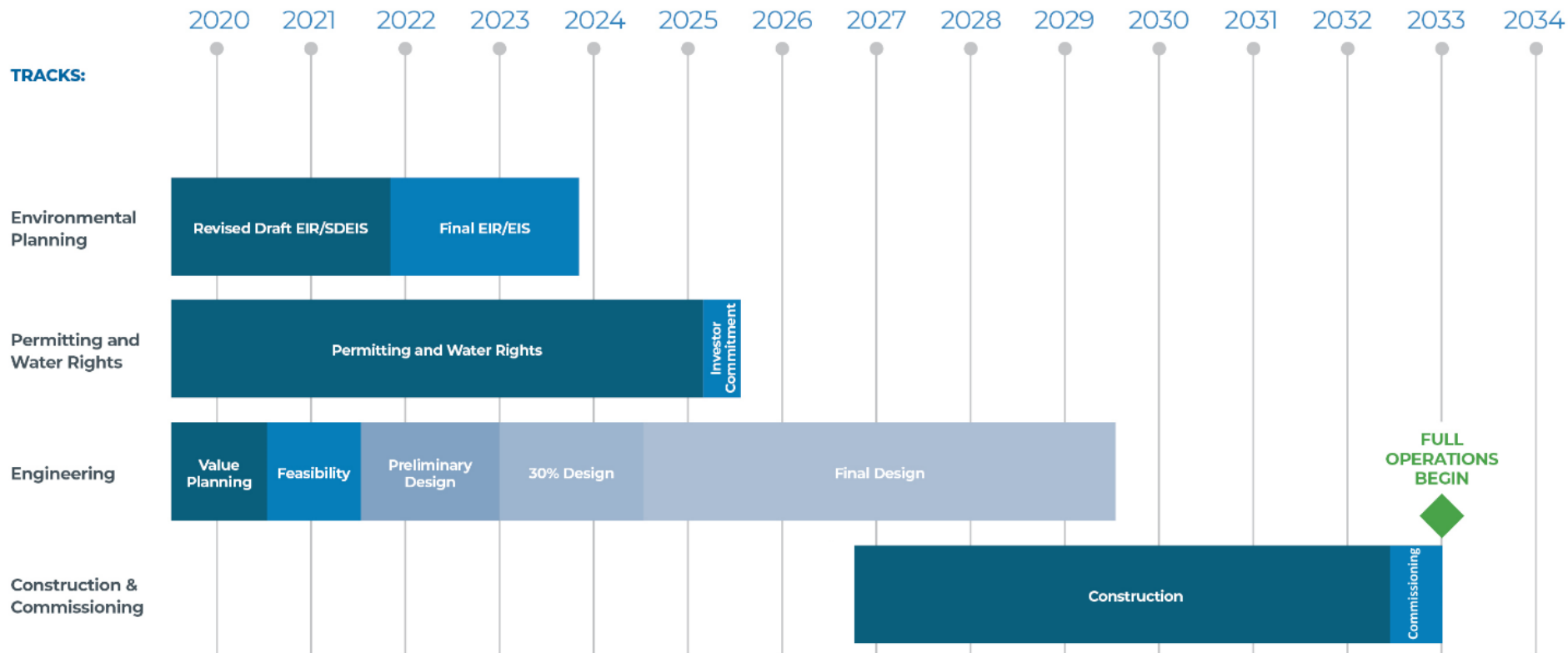


Estimated construction costs are based on the class 4 cost estimate approved by the Reservoir Committee and Authority Board in June 2021

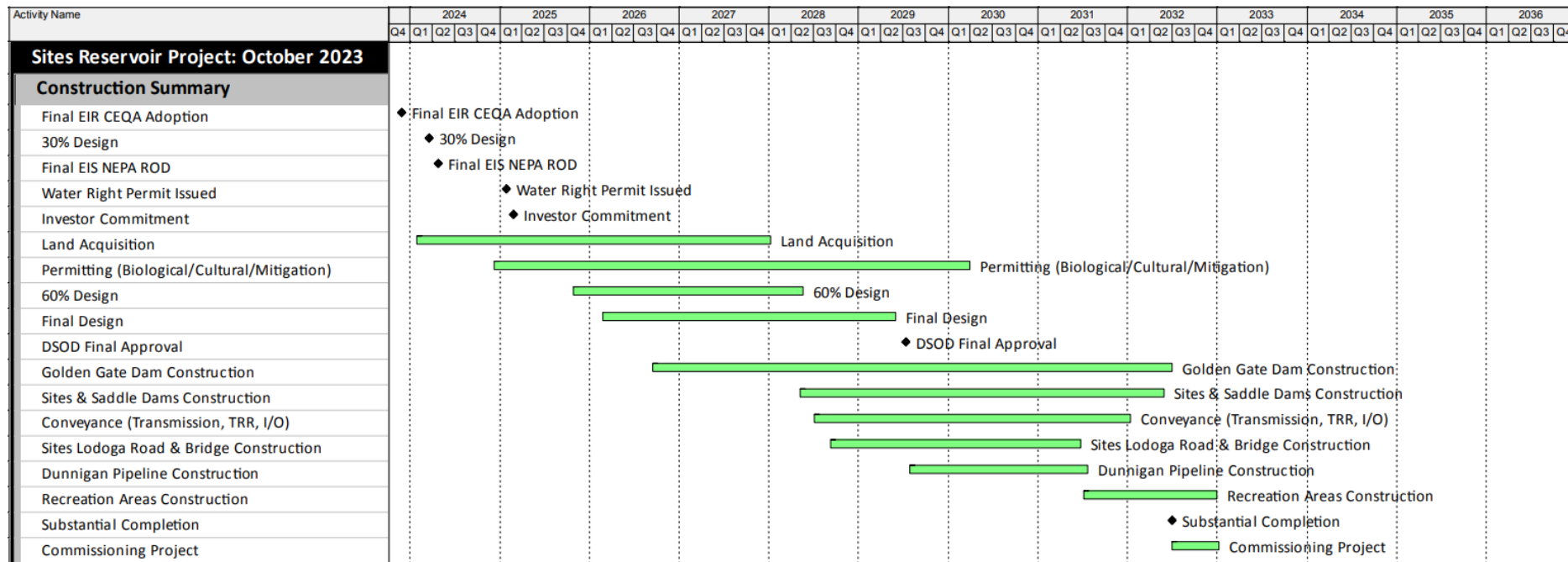
Project Schedule

dam construction anticipated late 2026 through mid-2032

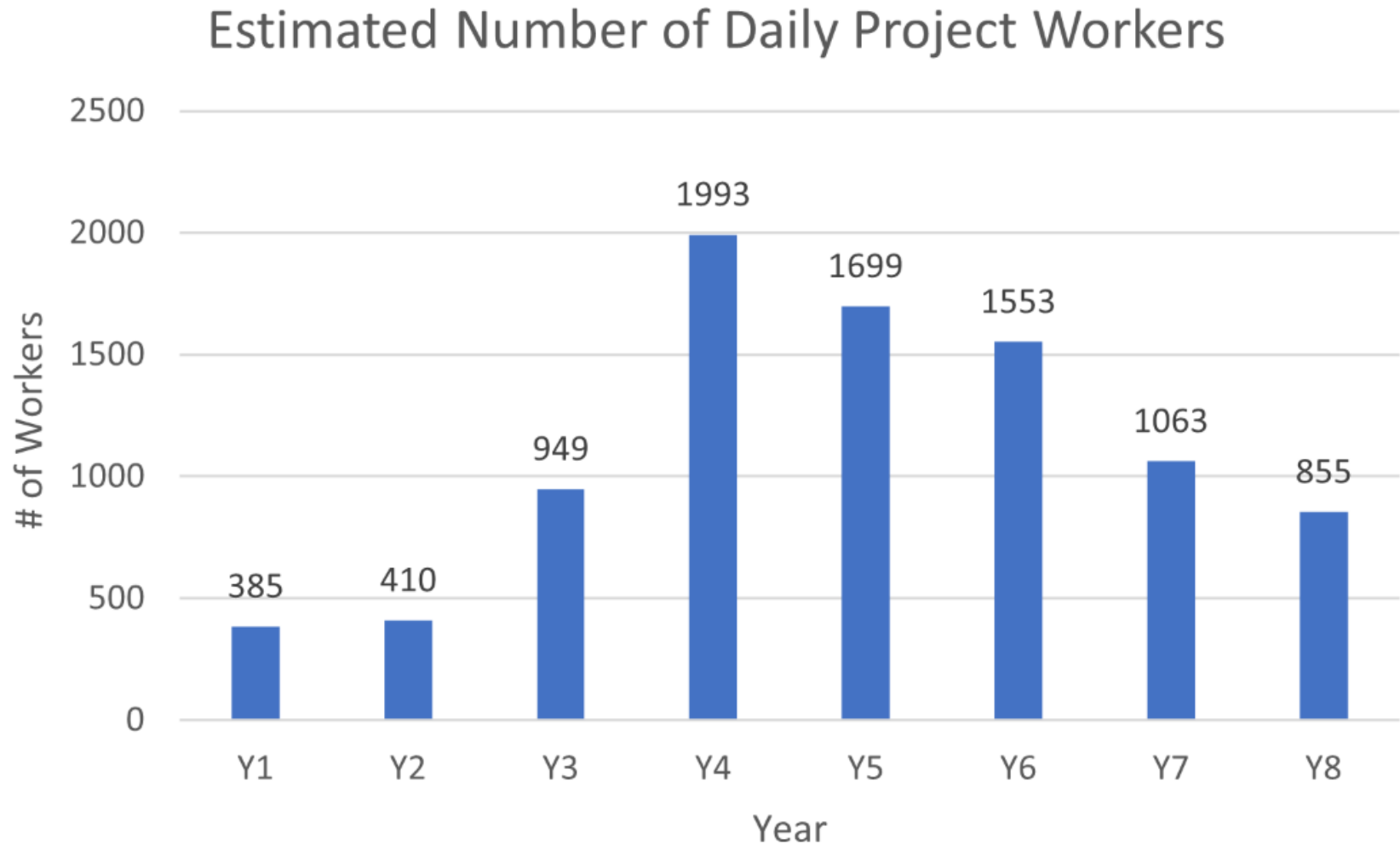
Sites Reservoir Project Schedule



Construction schedule adopted by Board in Oct 2023



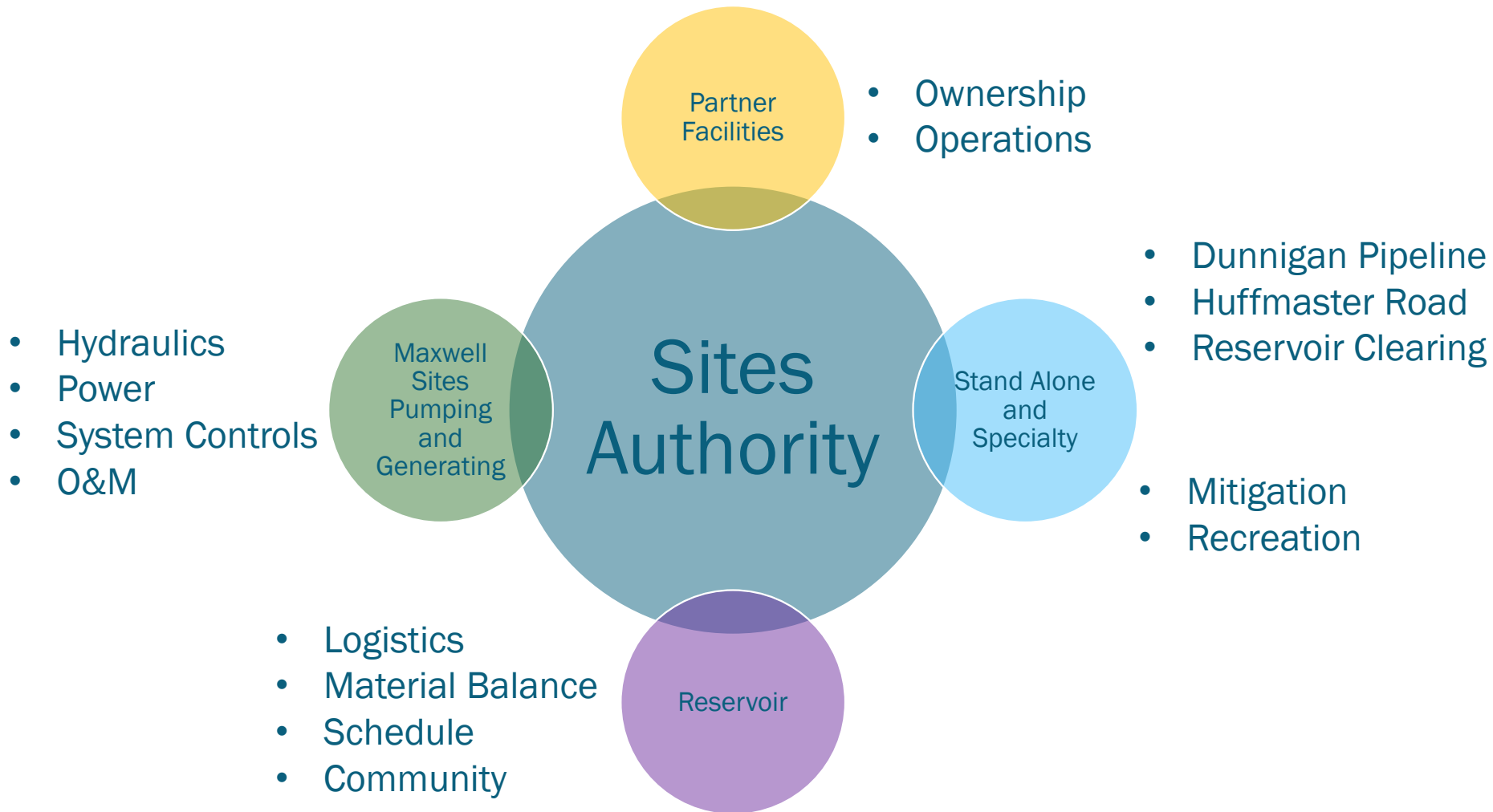
Estimated Number of Daily Project Workers at the Project Site



Delivering the Sites Project

Project Packages and Risk Summary

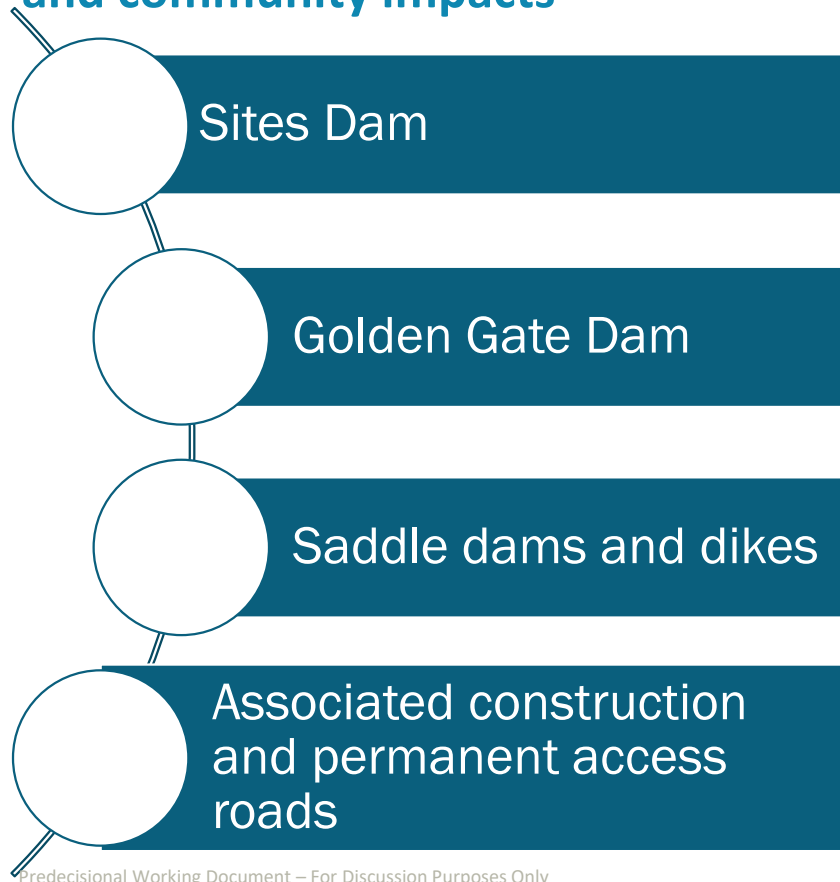
Contracting Strategy adopted in July 2022



Adopted Contract Strategy identified two significant CMAR packages

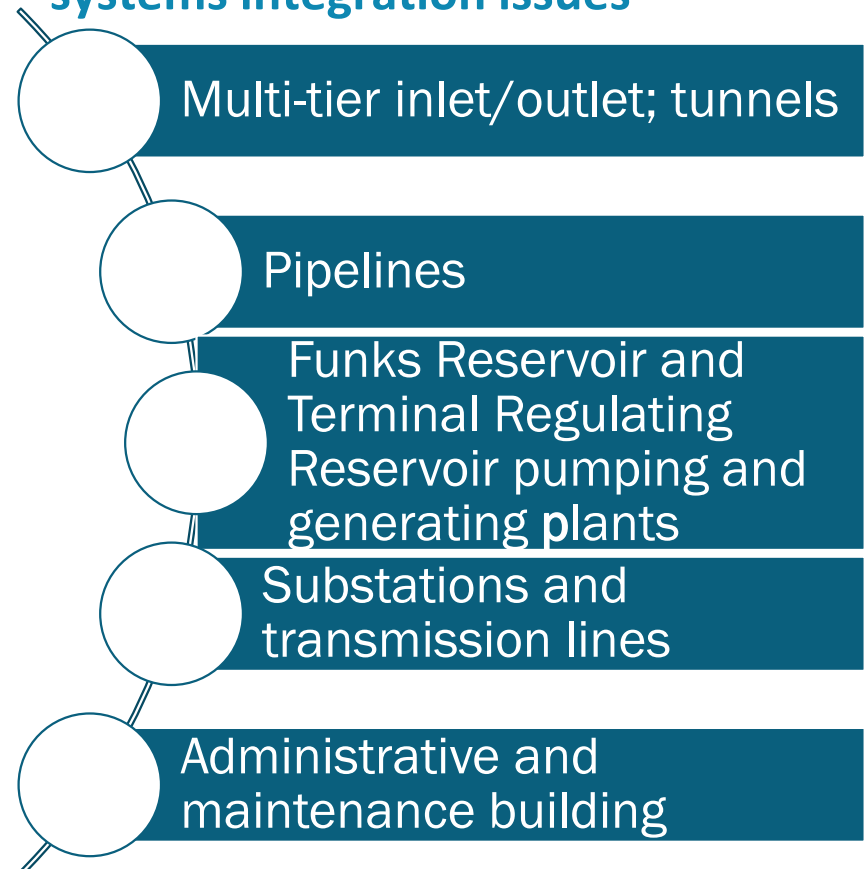
Reservoir Package \$2B (\$2021)

CMAR recommended to provide early input on logistical challenges, schedule and community impacts



Maxwell-Sites Pumping and Generating Package \$1.2B (\$2021)

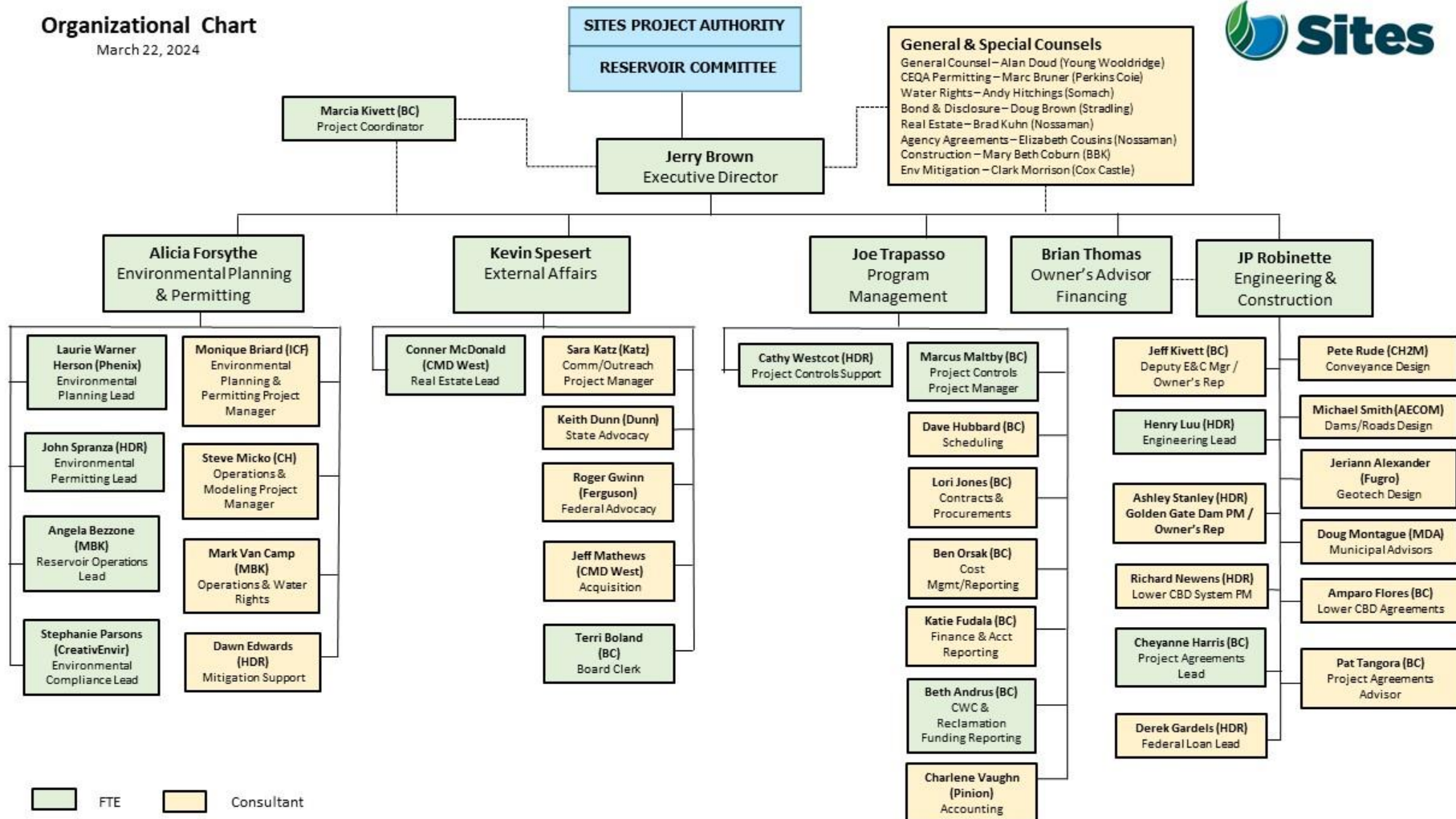
CMAR recommended due to complex systems integration issues



Current Organization Chart

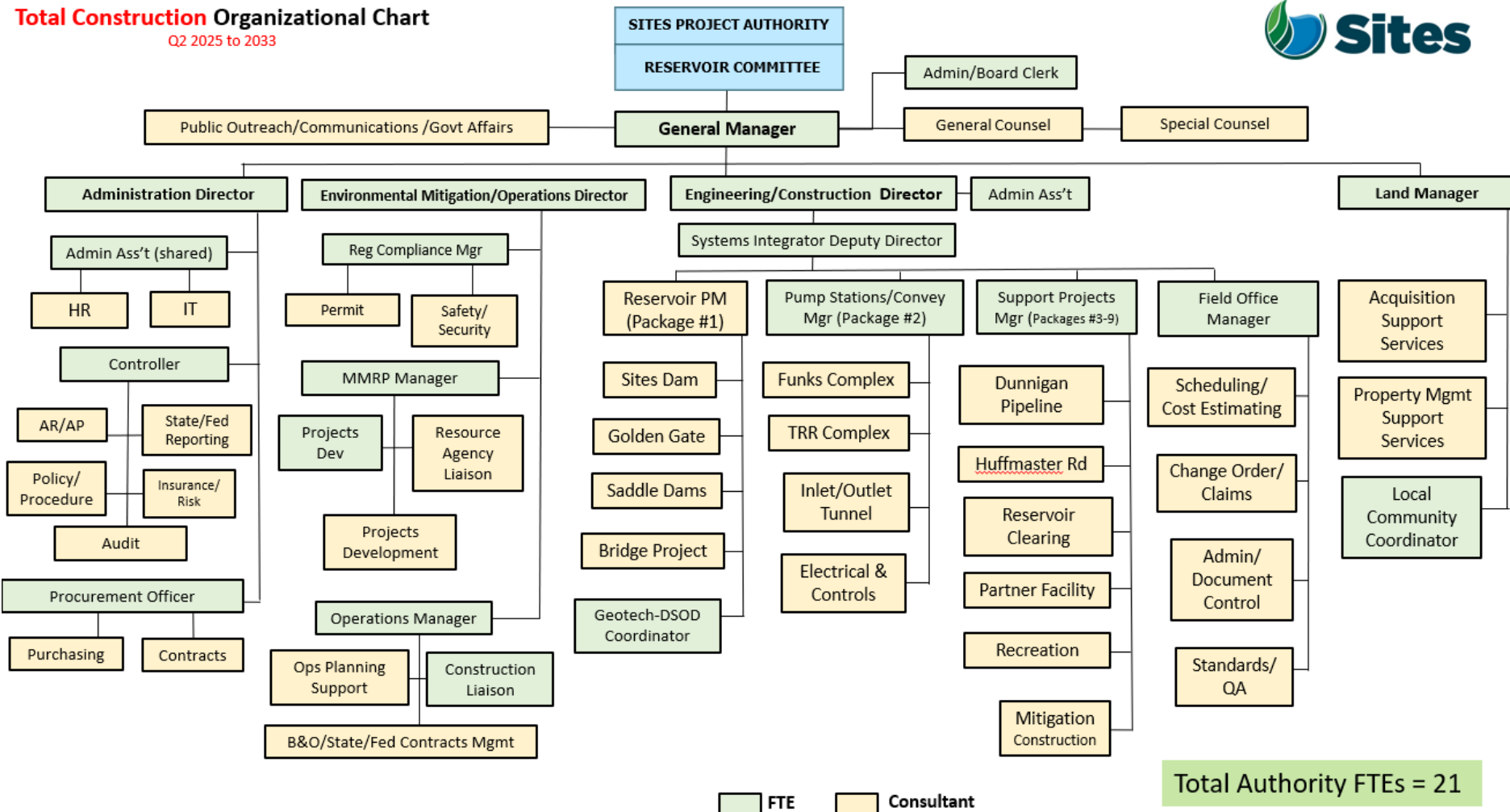
Organizational Chart

March 22, 2024



Conceptional Construction Organization Chart

Total Construction Organizational Chart
Q2 2025 to 2033

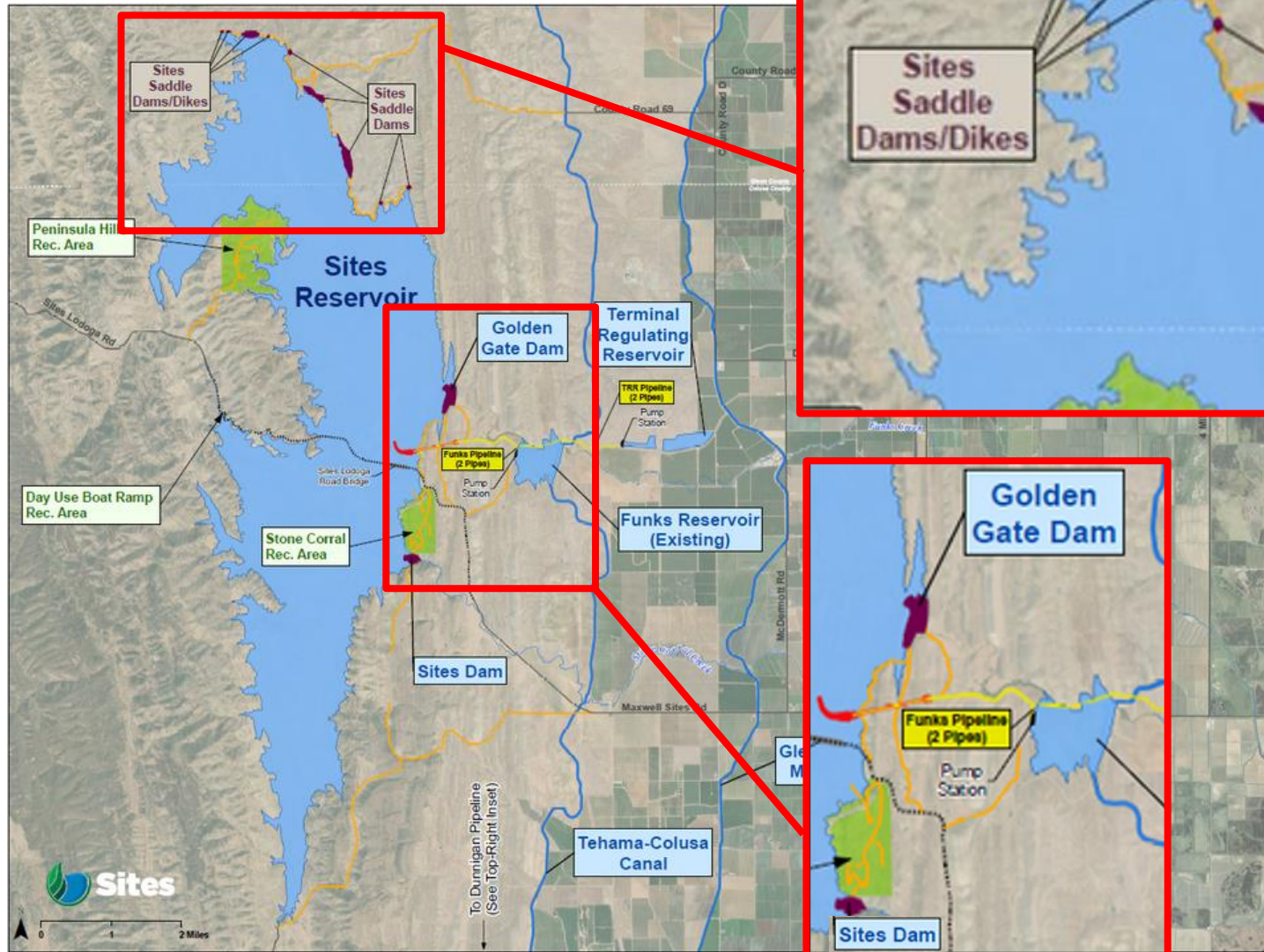


Excerpts of Delivery Packages

Reservoir
Conveyance
Mitigation

Reservoir Package

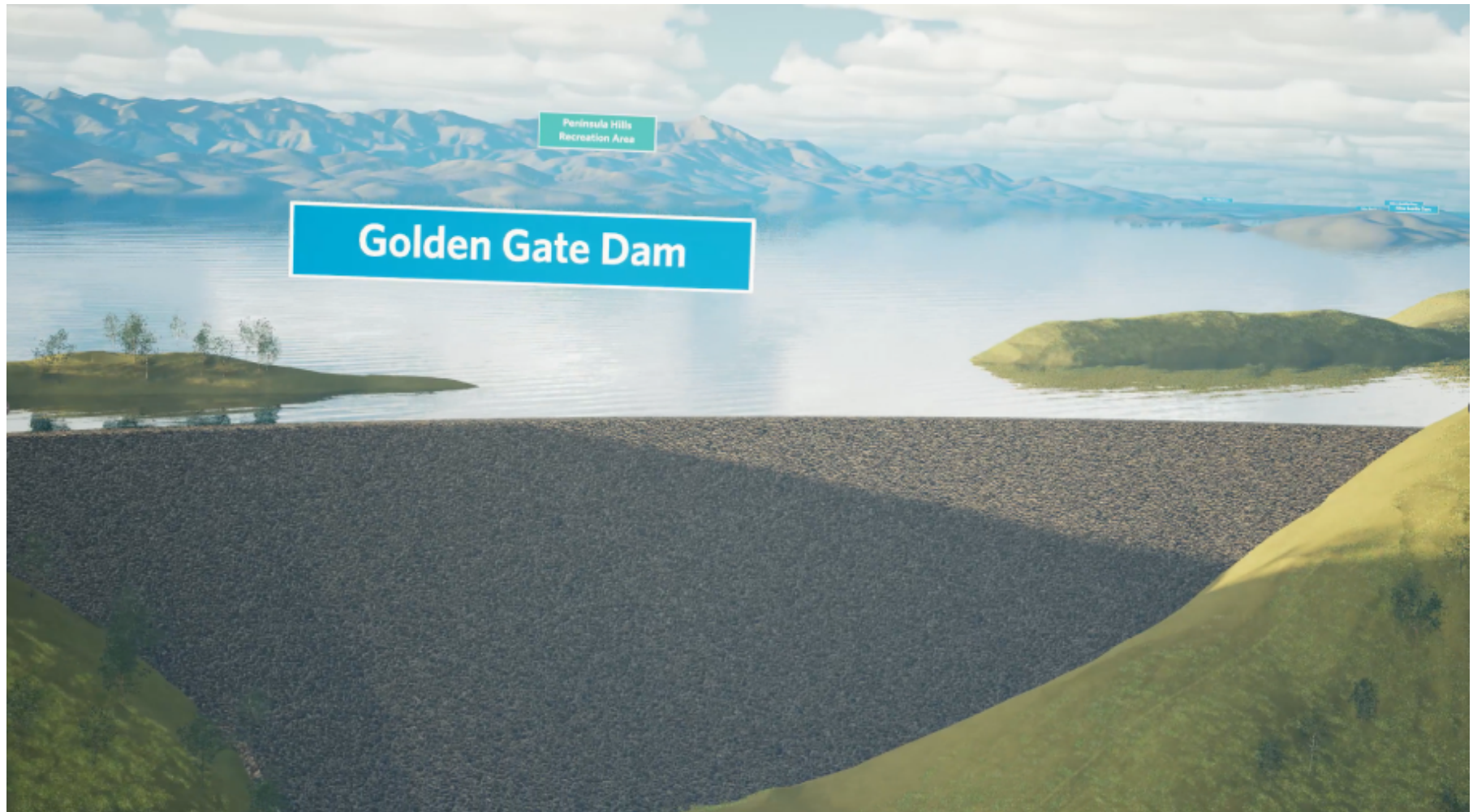
Main Dams, Saddle Dams and Dikes, roads and bridge



Sites Dam



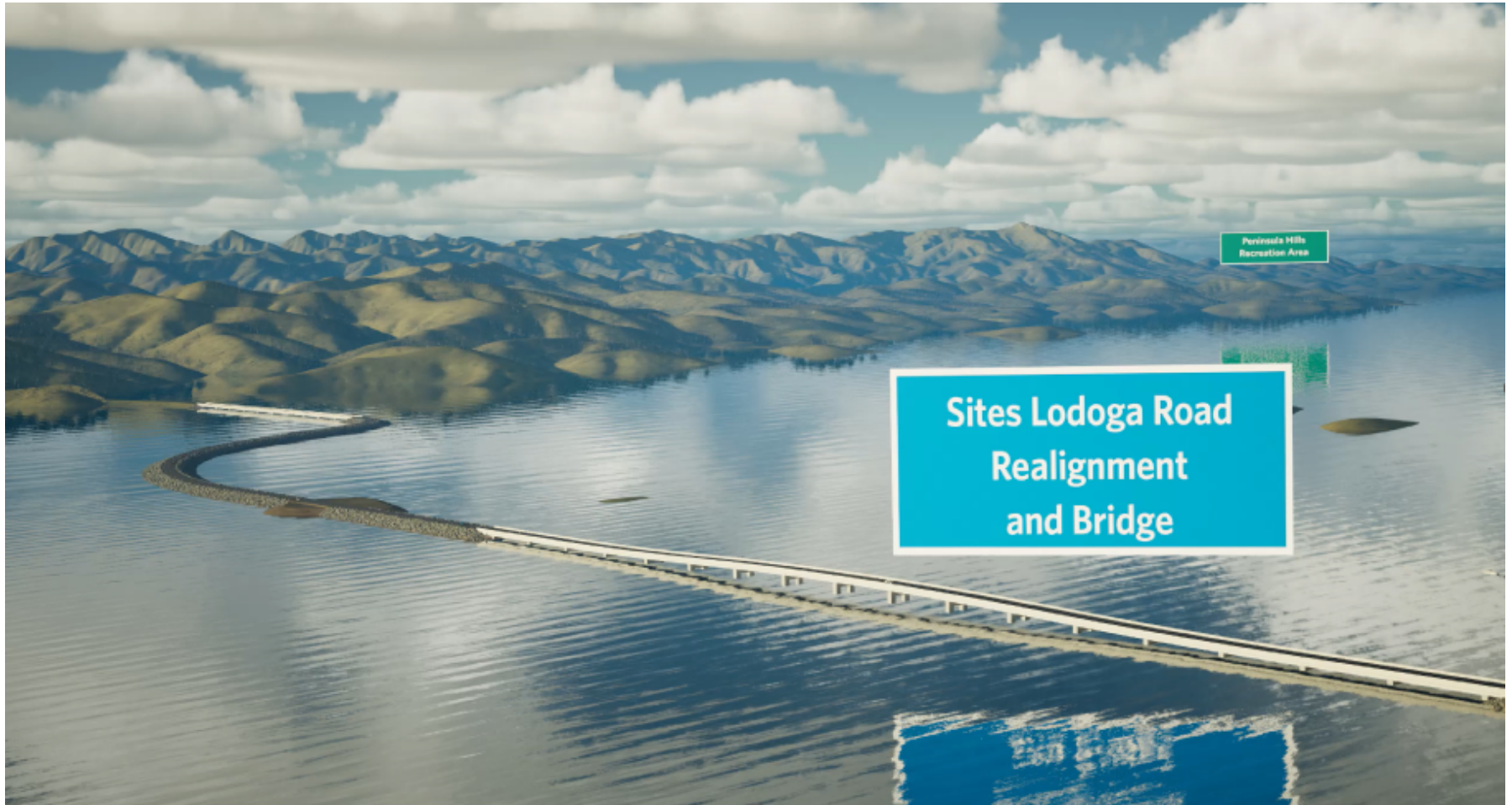
Golden Gate Dam



Saddle Dam



Sites Lodoga Road Realignment



Reservoir Package Spotlight (\$2B)

Dam/Dike Heights

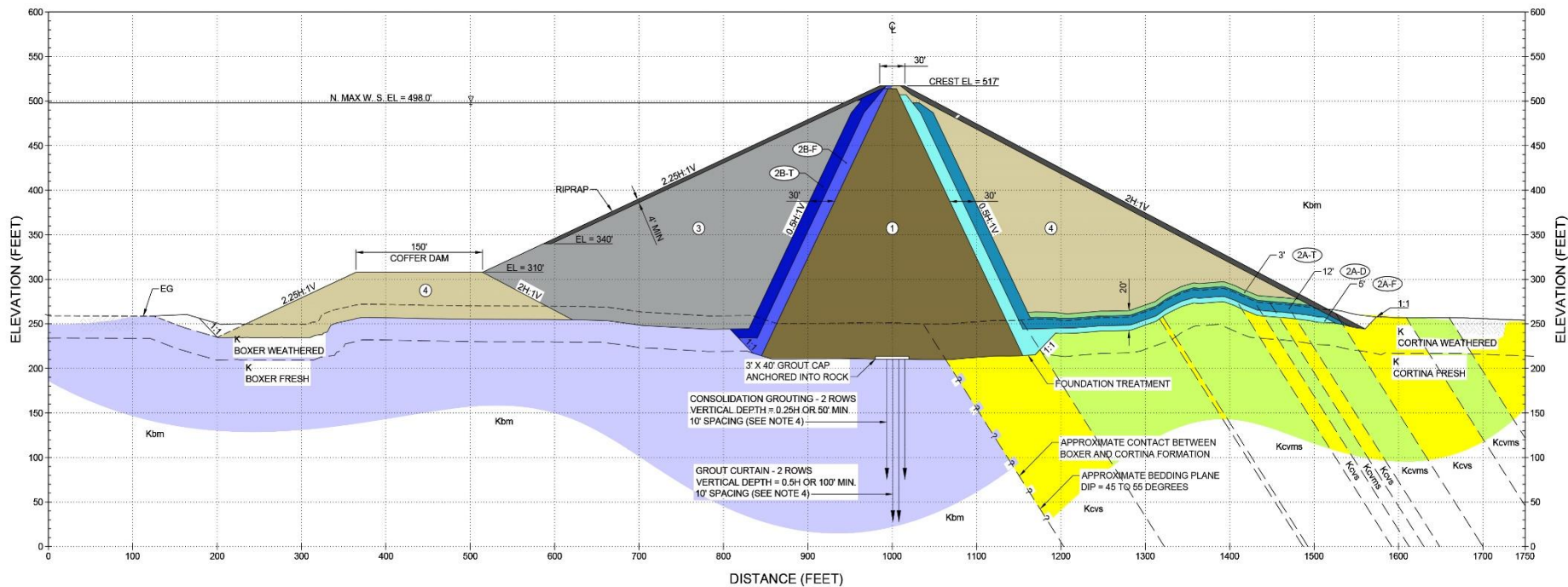
- ❑ 2 Main: 287 ft
- ❑ 7 Saddle: up to 120 ft
- ❑ 2 Saddle Dikes: 10 - 15 ft

Roads

- ❑ 22 miles (12 paved; 10 gravel)

New Sites Lodoga Bridge:

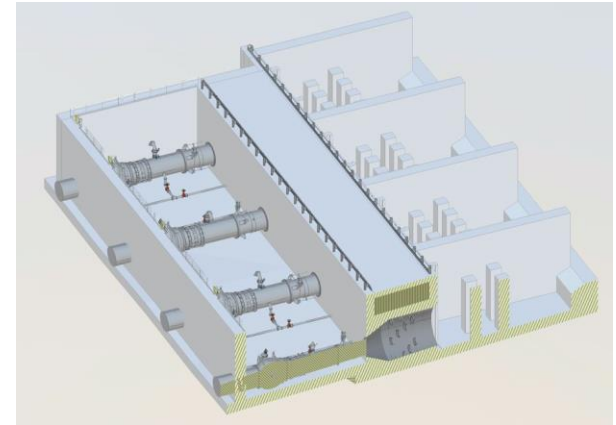
- ❑ 4,050 ft long, 150 feet tall



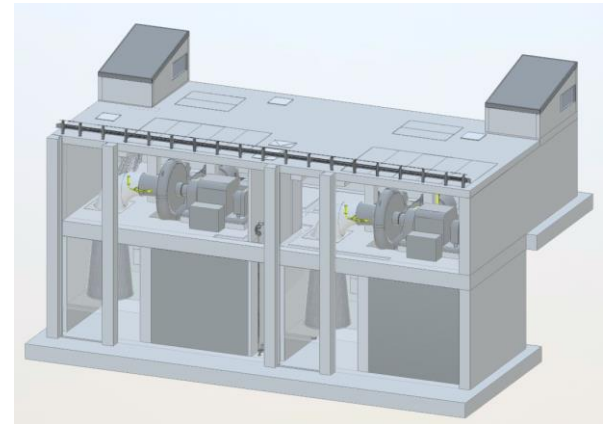
C1 SECTION (STA 14+32)
SCALE: 1" = 60'

Maxwell Sites Pumping and Generating (Conveyance) Package Spotlight (\$1.2B)

- 230 feet tall multi-tier
- Sloping inlet/outlet structure with 21 ports at 7 different levels
- 7 miles of 12' pipes
- 3,100 LF of 32' tunnel
- Mechanical/I&C building
- Transition manifold connecting 4 – 12' diameter pipes to 32' diameter tunnel
- 2 Power interconnection facilities
- 2 pumping and generating plants



Funks Pumping/Generating Plant
(13 pumps – 8,000 hp each)



Terminal Regulating Reservoir
Pumping/Generating Plant
(13 pumps – 9,000 hp each)

Mitigation Package Spotlight (\$600M)

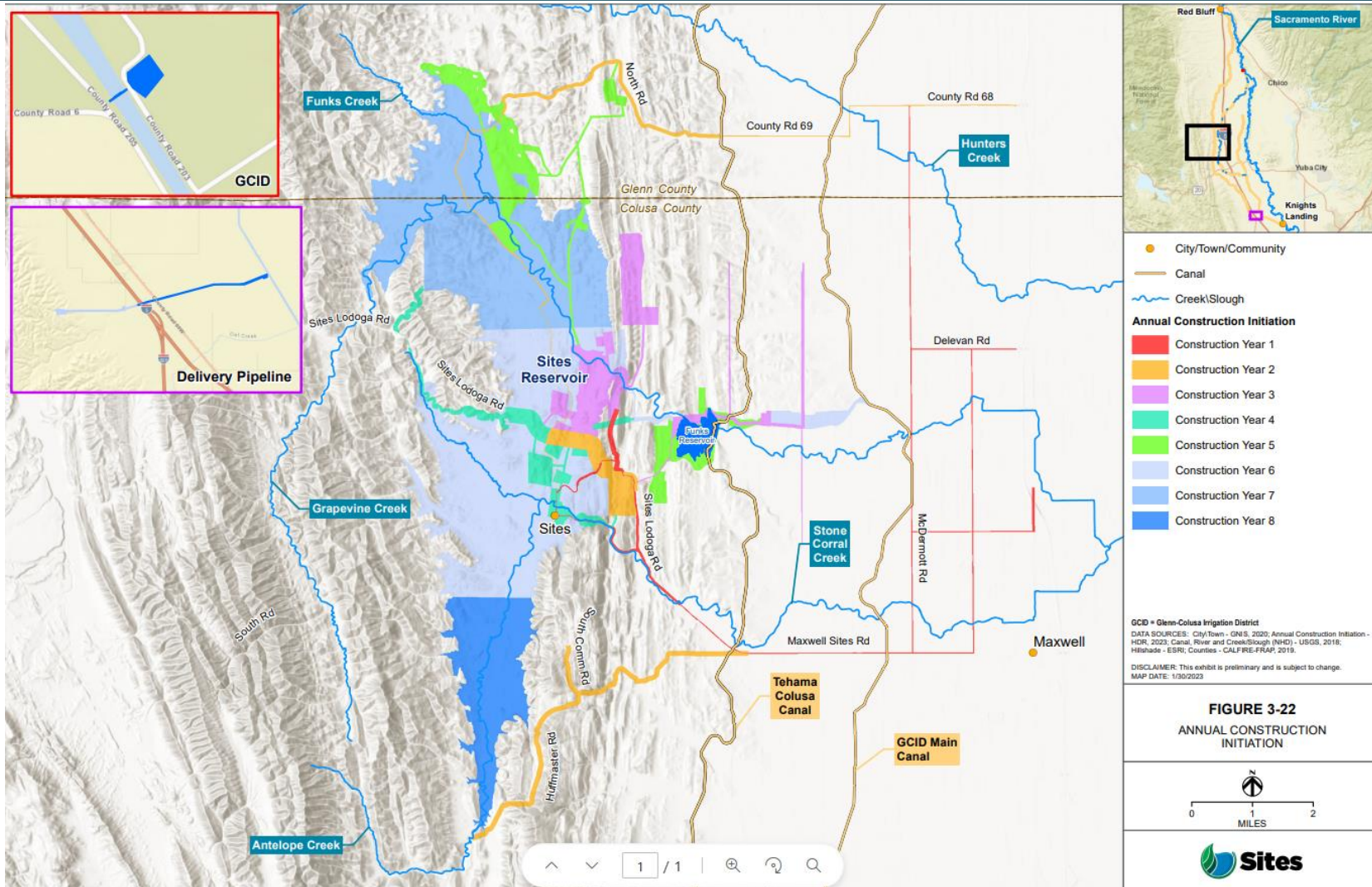
Sites Authority is open to different approaches to provide mitigation

1. Purchase bank credits, conservation easements, or in-lieu fee
2. Permittee-responsible mitigation, Sites Authority implement
 - For example, non-listed bat species
3. Permittee-responsible mitigation, Contractor implement –
Contract type to be determined

Likely that the Sites Authority would implement several approaches depending on construction schedule needs and species

Estimated Mitigation Needs

Most of the mitigation is later in the Project Schedule

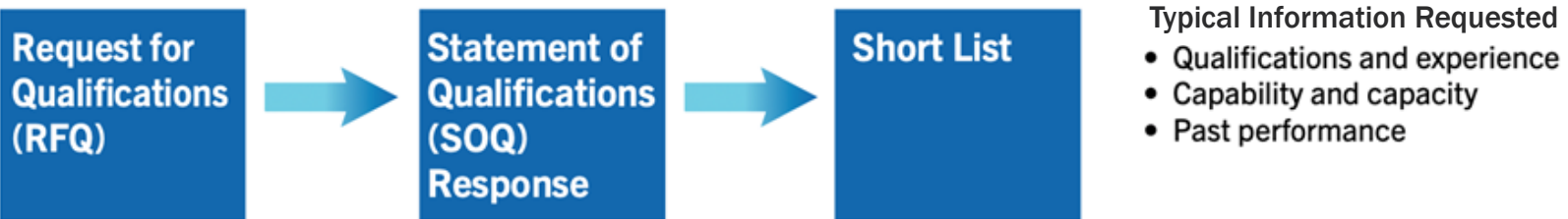


Preliminary Schedule for Upcoming Procurements

Reservoir Package - 2 Step Procurement Process

RFQ + Request for Proposals (RFP)

STEP ONE



STEP TWO

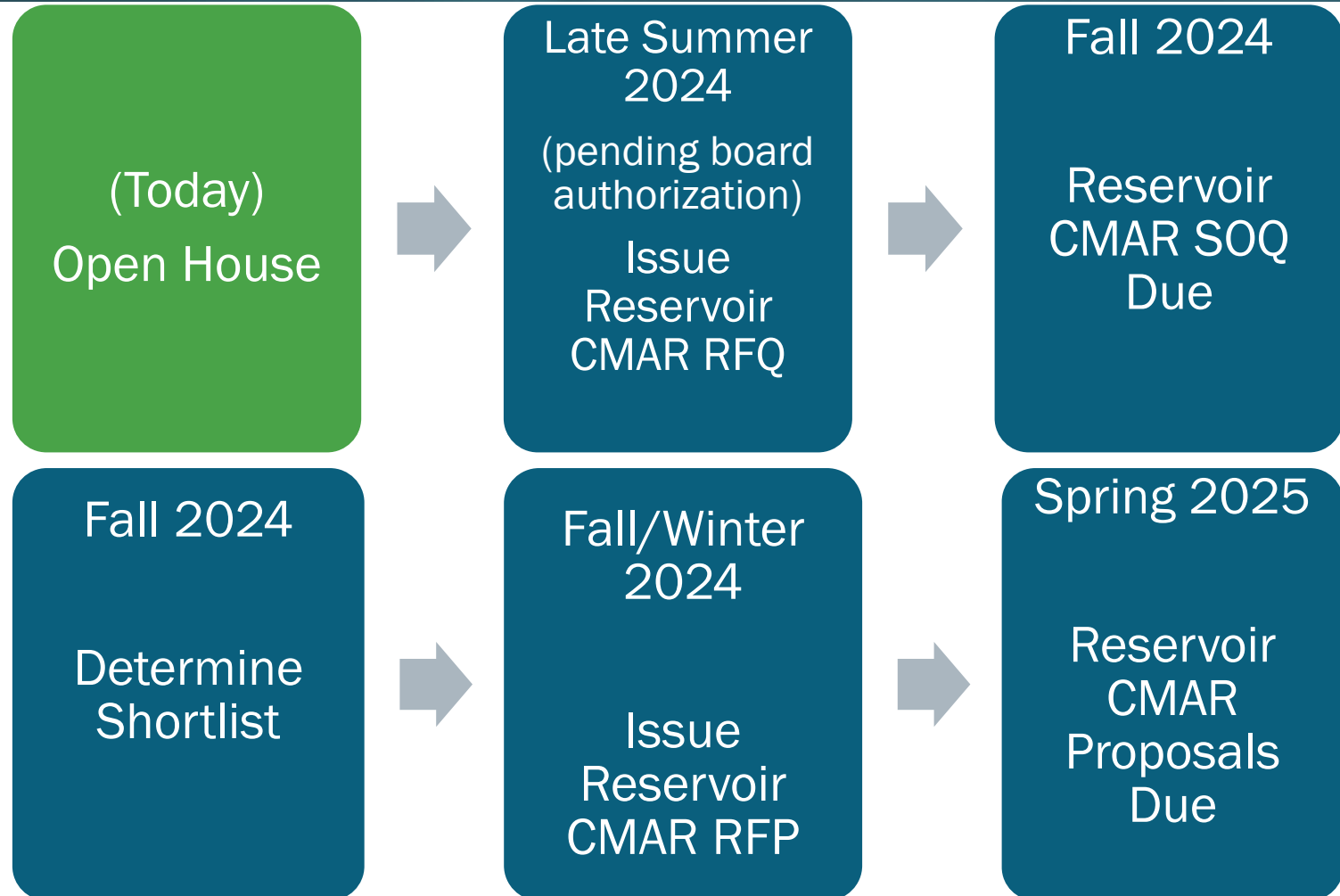


Initial planning award for first year <\$250k

Anticipating similar process for Conveyance (Maxwell – Sites Pumping Generating) Package.

Process for Mitigation package procurement is to be determined.

Reservoir Package Procurement Timeline



Procurements for the Conveyance (Maxwell – Sites Pumping Generating) & Mitigation Packages will lag.

Our values will inform who we select to help build our delivery team

- **“Fitting in”** with the Sites Authority values is critical
- **Cost management** will keep the project affordable for our Participants,
- **Schedule adherence** – this project has a sense of urgency
- **Quality workmanship** matters for longevity
- We’ll be looking for a **CMAR partner** and community/team member, not just an implementation firm.



Other Procurement Factors

- Project Labor Agreement – initiating discussions and will be under development in the coming months.

Next Steps



