Sites Reservoir Project Overview

SGPWA Board of Directors Meeting

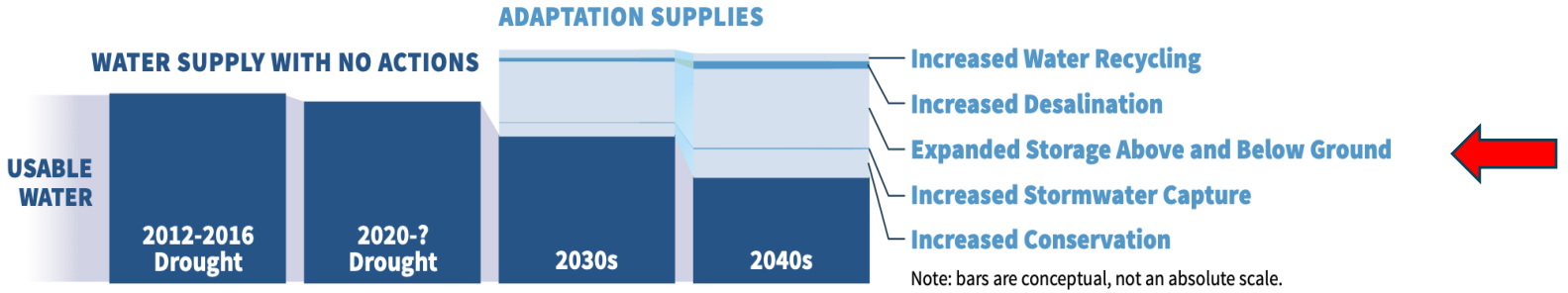
June 12, 2023

Sites

What Problem Does the Sites Project Help Solve?

Over the next 20 years, California could lose 10 percent[1] of its water supplies.

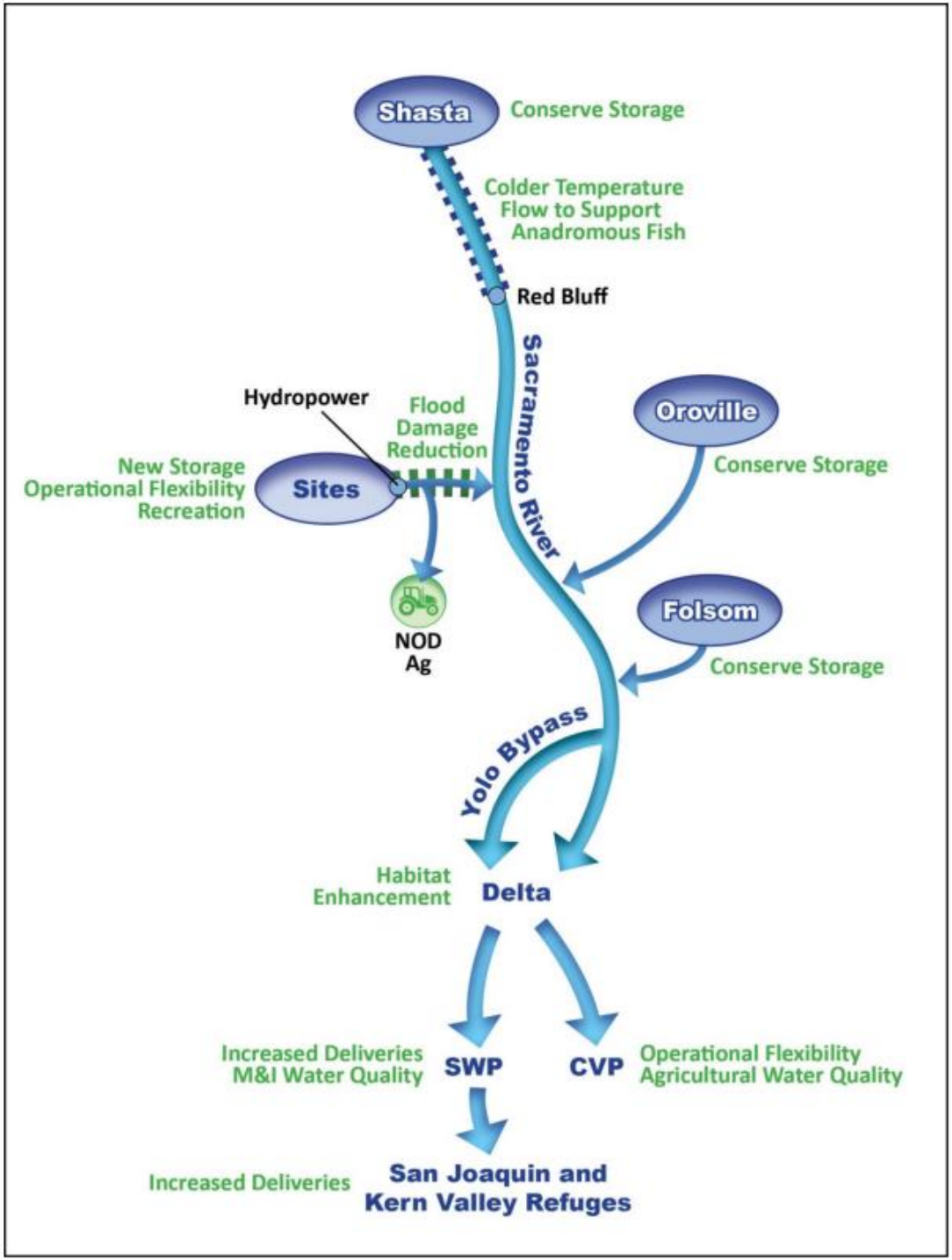
Our climate has changed, and the West continues to get hotter and drier. As it does, we will see on average less snowfall, more evaporation, and greater consumption of water by vegetation, soil, and the atmosphere itself.



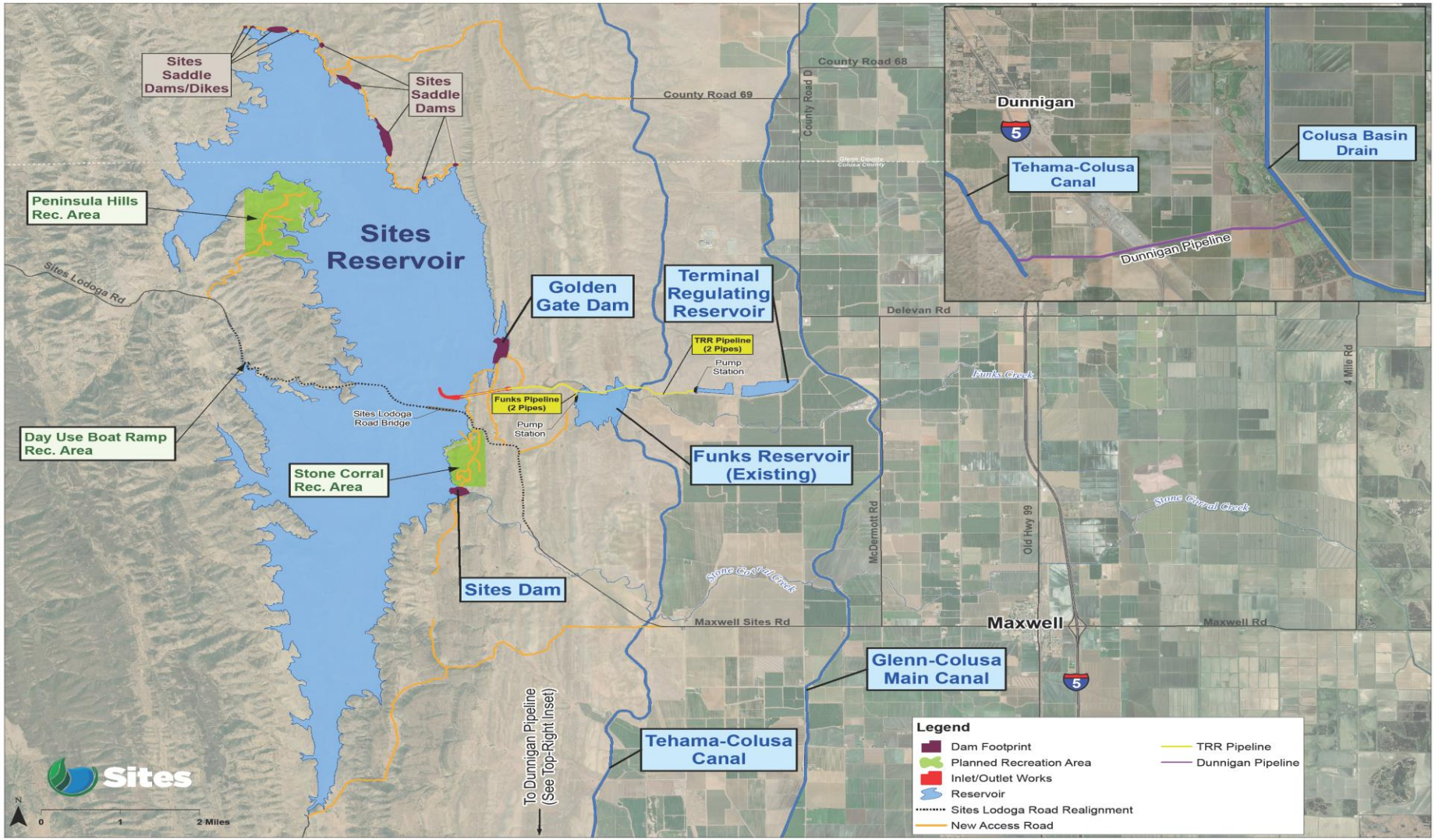
In previous droughts the ratio of precipitation to evaporation to runoff has been similar. However, as temperatures rise, evaporation increases, with the consequence of a fall in runoff. As average temperatures continue to increase, the increase in evaporation will continue, with a concurrent drop in runoff.

Excerpted from Aug 2022 "California's Water Supply Strategy, Adapting to a Hotter Drier Future"


Trinity Lake
Trinity River
Mad River
Sacramento River
McCloud River
Pit River
Shasta Lake
Eagle Lake
Redding
Duzen River
Eel River
Lake Almanor
Red Bluff
Sacramento
Tehama-Colusa Canal
Glenn-Colusa Canal
Black Butte Reservoir
Chico
Stony Gorge Reservoir
Lake Oroville
Willows
East Park Reservoir
Maxwell
Sites Reservoir
Williams
Feather River
Clear Lake
Woodland
Folsom Lake
Lake Berryessa
Sacramento
PACIFIC OCEAN
N
Stockton


Shasta
Conserve Storage
Colder Temperature
Flow to Support
Anadromous Fish
Red Bluff
Sacramento River
Hydropower
Flood
Damage
Reduction
New Storage
Operational Flexibility
Recreation
Sites
Oroville
Conserve Storage
NOD
Ag
Folsom
Conserve Storage
Yolo Bypass
Habitat
Enhancement
Delta
Increased Deliveries
M&I Water Quality
SWP
CVP
Operational Flexibility
Agricultural Water Quality
Increased Deliveries
San Joaquin and
Kern Valley Refuges

Project Facilities



‘What if we had Sites?’ – most recent storms update

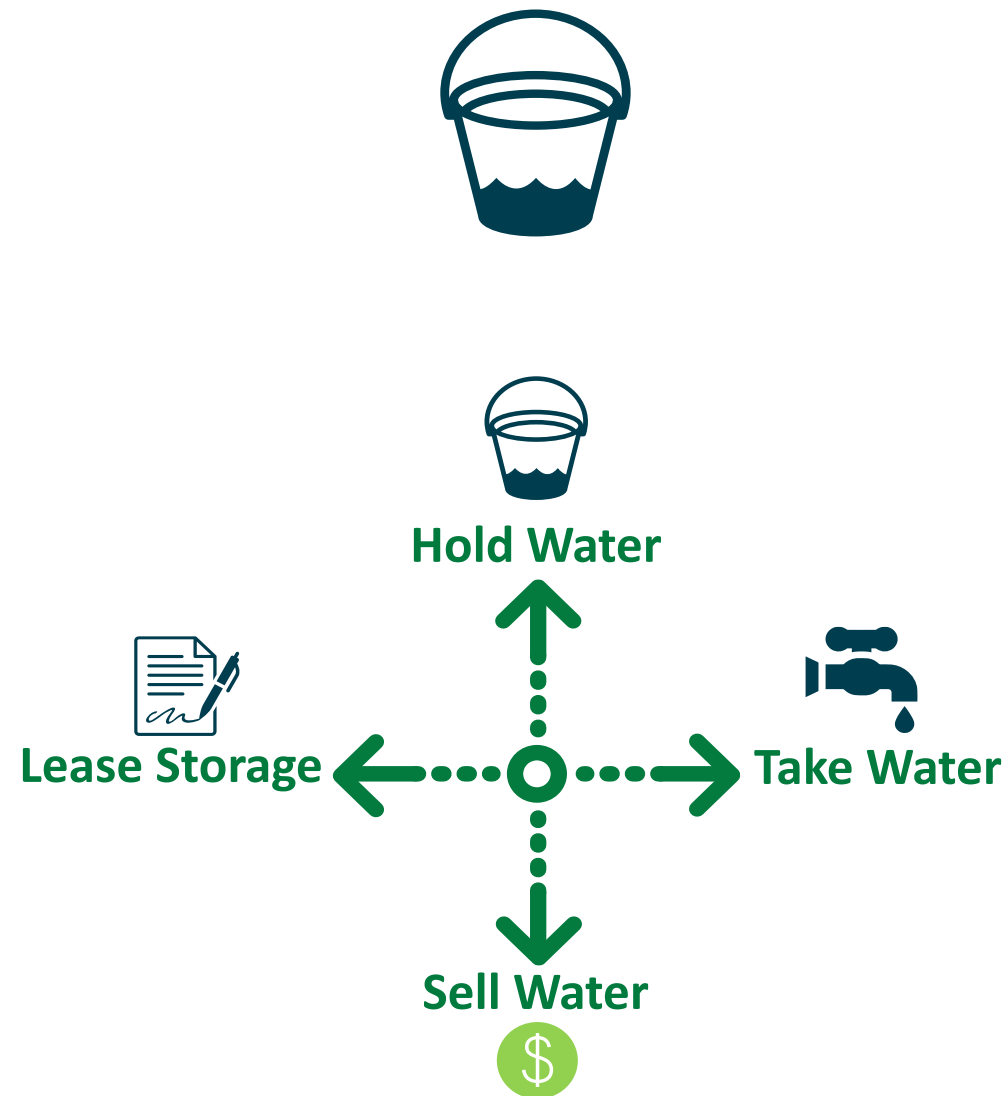
- Revised estimate for January 2023 storms - ~250,000af
- Current March-April 2023 forecasted filling is ~250,000af
- If spilling occurs from Lake Shasta, filling opportunities could continue
- Sites team will continue to monitor conditions and adjust forecasts as needed
- Real time monitoring continues to show Project capabilities are in line with modeling projections

How big would Sites be when built relative to other reservoirs in the state?

	CALIFORNIA'S LARGEST RESERVOIRS				
Rank	Name	County	Acre-Feet	Outflow	Dam
1	Lake Shasta	Shasta	4,552,000	Sacramento River	Shasta Dam
2	Lake Oroville	Butte	3,537,577	Feather River	Oroville Dam
3	Trinity Lake	Trinity	2,448,000	Trinity River	Trinity Dam
4	New Melones Lake	Tuolumne, Calaveras	2,400,000	Stanislaus River	New Melones Dam
5	San Luis Reservoir #	Merced	2,041,000	San Luis Creek	San Luis Dam
6	Don Pedro Reservoir	Tuolumne	2,030,000	Tuolumne River	New Don Pedro Dam
7	Lake Berryessa	Napa	1,602,000	Putah Creek	Monticello Dam
8	**Sites Reservoir #**	Colusa, Glenn	**1,500,000**	Stone Corral & Funks Creeks	Sites & Golden Gate Dams
9	Lake Almanor	Plumas	1,308,000	North Feather River	Canyon Dam
10	Folsom Lake	Sacramento, El Dorado, Placer	1,120,200	American River	Folsom Dam
		# - off stream reservoir			

Sites

What Do You Get With Your Investment in Sites?



1. Share of Storage Space – your own bucket
2. Access to Proportionate Share of Water Diverted to Storage - X% of 300 TAF annual average (estimated)

Investor Decides - Local control of storage space and stored water

Project Funding Sources
'State/Federal Interest in the Sites Project'

Project Investors

Participant Funding Sources

**WIIN Act funding is based on 16% Reclamation investment under Alternative 3 (Preferred Project) and is reported in future dollars.

Our Strength is in Our Broad Statewide Participation

Sacramento Valley

City of American Canyon
Colusa County
Colusa County Water Agency
Cortina Water District
Davis Water District
Dunnigan Water District
Glenn County
Glenn-Colusa Irrigation District
LaGrande Water District
Placer County Water Agency
Reclamation District 108
City of Roseville
Sacramento County Water Agency
City of Sacramento
Tehama-Colusa Canal Authority
Westside Water District
Western Canal Water District

Bay Area

Santa Clara Valley Water District
Zone 7 Water Agency

San Joaquin Valley

Wheeler Ridge-Maricopa Water Storage District
Rosedale-Rio Bravo Water Storage District

Southern California

Antelope Valley – East Kern Water Agency
Coachella Valley Water District
Desert Water Agency
Irvine Ranch Water District
Metropolitan Water District
San Bernardino Valley Municipal Water District
San Gorgonio Pass Water Agency
Santa Clarita Valley Water Agency

Waiting List

Cal-Am Sacramento
City of Napa
Delta View WUA
Glenn County
La Cumbre MWC
Madera County
Pacific Resources MWC
Palmdale WD
Santa Clara Valley WD
Western Municipal WD
Westlands WD
Wheeler Ridge Maricopa WSD
Woodland Davis CWA

Sites

Allocation of Active Storage

Reservoir Size:	1,470,000 AF
Dead Pool:	60,000 AF
Active Storage:	1,410,000 AF

Participant Name	Amendment 3 Participation Level	Amendment 3 Storage Allocation	% Active Storage
Antelope Valley-East Kern WA	500	3,117	0.2%
City of American Canyon	4,000	24,936	1.8%
Coachella Valley WD	10,000	62,340	4.4%
Colusa County	10,000	62,340	4.4%
Colusa County WD	9,256	57,702	4.1%
Cortina WD	450	2,805	0.2%
Davis WD	2,000	12,468	0.9%
Desert WA	6,500	40,521	2.9%
Dunnigan WD	2,972	18,527	1.3%
Glenn-Colusa ID	5,000	31,170	2.2%
Irvine Ranch WD	1,000	6,234	0.4%
LaGrande WD	1,000	6,234	0.4%

Allocation of Active Storage

Participant Name	Amendment 3 Participation Level	Amendment 3 Storage Allocation	% Active Storage
Metropolitan Water District of SC	50,000	311,700	22.1%
Reclamation District 108	4,000	24,936	1.8%
Rosedale-Rio Bravo WD	500	3,117	0.2%
San Bernardino Valley Municipal WD	21,400	133,408	9.5%
San Gorgonio Pass WA	14,000	87,276	6.2%
Santa Clara Valley WD	500	3,117	0.2%
Santa Clarita Valley WA	5,000	31,170	2.2%
Westside WD	5,375	33,508	2.4%
Wheeler Ridge - Maricopa WSD	3,050	19,014	1.3%
Zone 7 WA	10,000	62,340	4.4%
State of California - Total	--	244,000	17.3%
Reclamation**	--	128,020	9.1%
Active Storage Total	**166,503**	**1,410,000**	**100.0%**

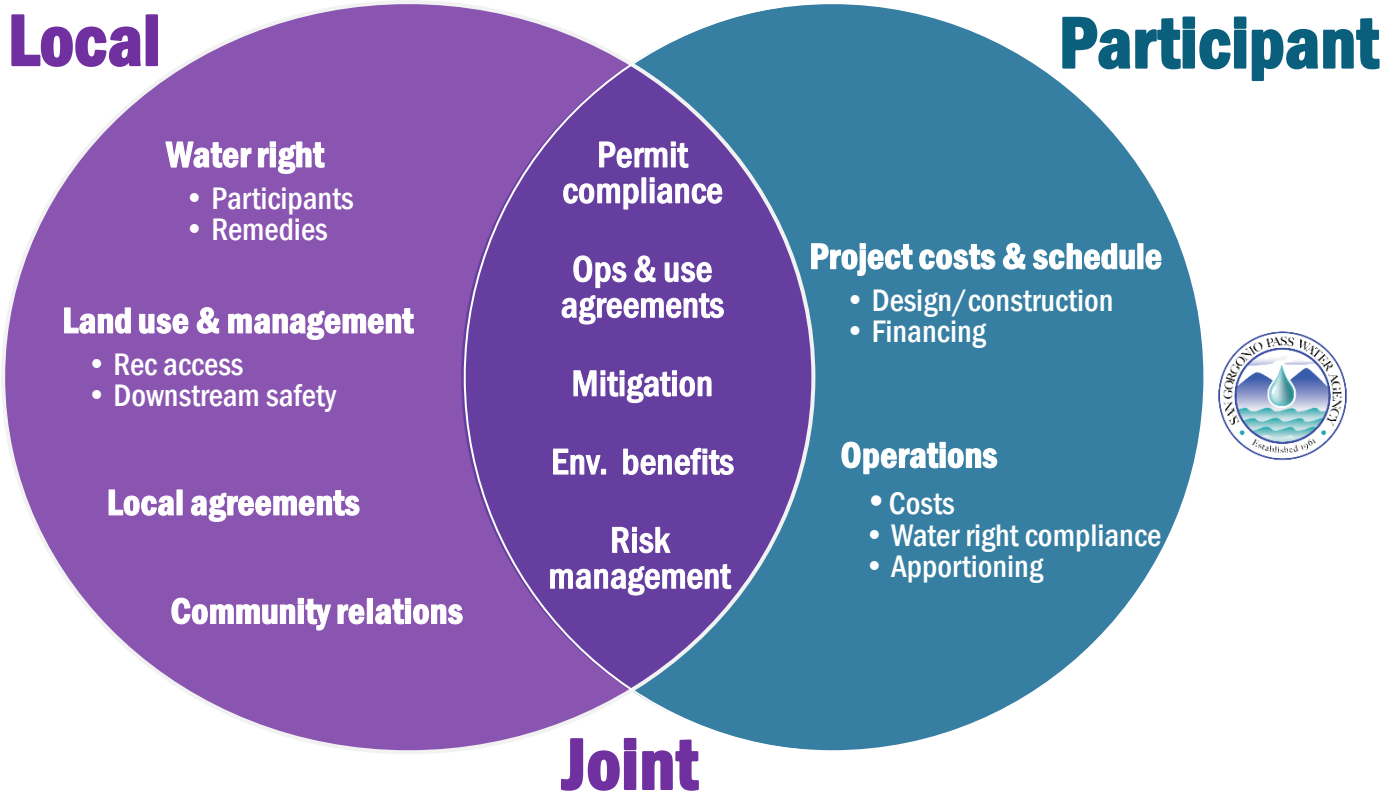
- Water diverted will be allocated to each Storage Partner's storage space proportional to its Storage Allocation (i.e., percent of Active Storage)

Sites Project Authority

- Joint Powers Authority established under California law
- Authority member agencies located in the Sacramento Valley
- Reservoir Committee made up statewide agencies investing in the Sites Project
- The Sites Project Authority will own and operate Sites Reservoir

Board of Directors:
Colusa County
Colusa County Water District
Glenn County
Glenn-Colusa Irrigation District
Placer County Water Agency/City of Roseville
Reclamation District 108
Sacramento/Sac County Water Agency
Tehama-Colusa Canal Authority
Westside Water District

Project Construction and Operations Oversight Considerations



Environmental Planning & Permitting Update

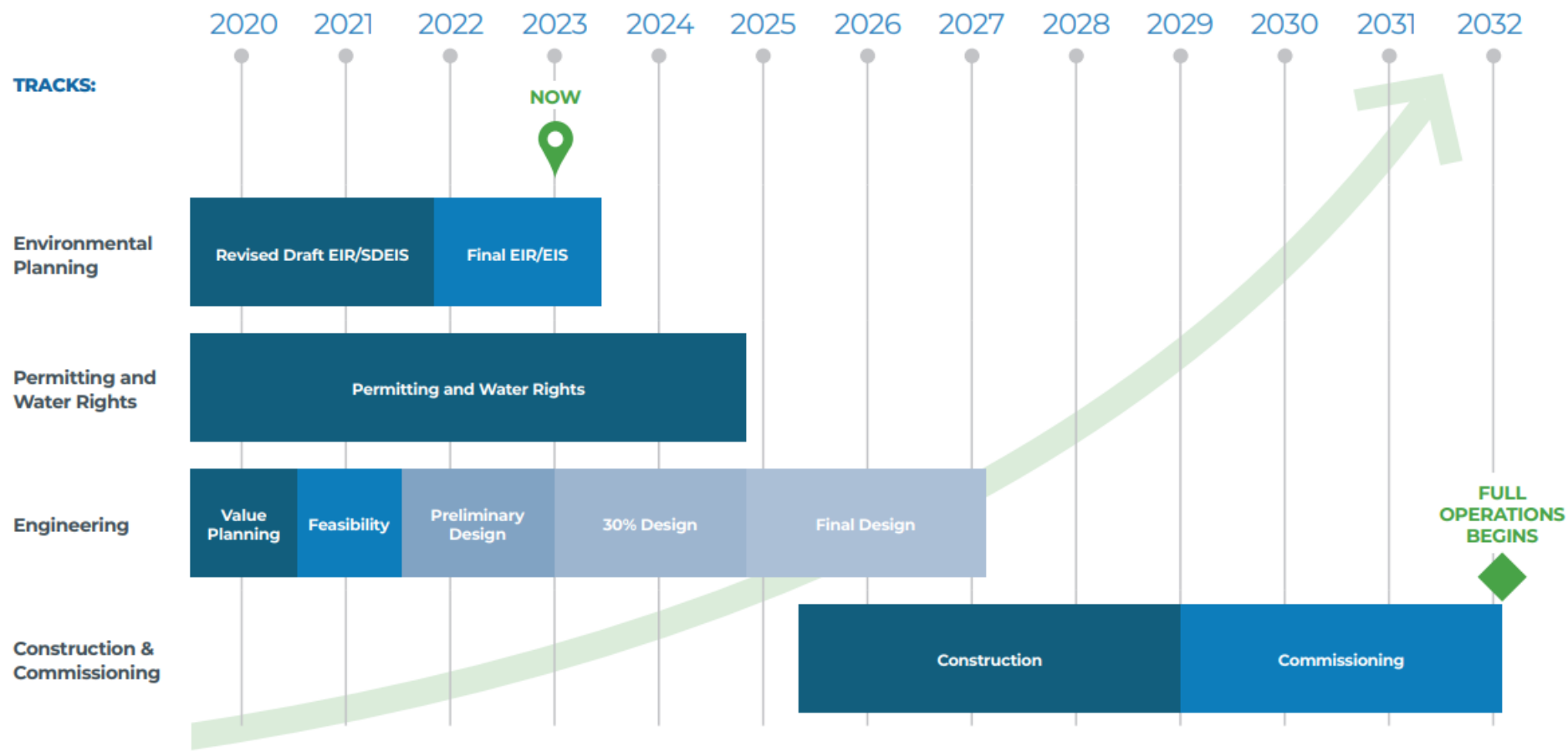
- Environmental Impact Report
  - 2017 Draft Document
  - 2021 Revised Draft document
    - Released for public review in November 2021
    - Comment period closed in January 2022
  - 2023 Final document
    - Expected in August 2023
    - All concerns evaluated
    - Revisions to 2021 draft included
    - Response to comments
- Water Right Permit
  - Submitted application to State Board in May 2022
  - Expect Board to complete review and notice for public review/protests in May 2023

Engineering Update

- **2021** – Completed the Feasibility Analysis
  - The California Water Commission Determined the Project is Feasible
- **2022-2024** – Conducting Field Studies
  - Survey Mapping & Geotechnical Investigations to Inform Preliminary Engineering Analysis and Design
- **2024** – Complete 30% Design
  - Update Project Cost Estimate
- **2024** and Beyond – Key Agency Reviews and Approvals
- **2025** - Begin Construction

Project Schedule

Sites Reservoir Project Schedule



Questions

Sites