WELCOME
Public Open House
Obtain agency and public input on the scope and content of the environmental analysis for the Sites Reservoir Project.
Meeting Format

Open House

Informational Stations

Project Experts

Submit Comments
Off-Stream Reservoir
Lead Agencies

Sites Project Authority –
Lead Agency, CEQA

Bureau of Reclamation –
Lead Federal Agency, NEPA
## Project Benefits

<table>
<thead>
<tr>
<th>Benefits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhanced water management flexibility</td>
<td>Improved environmental flows</td>
</tr>
<tr>
<td>Increased water supply reliability</td>
<td>Enhanced water quality</td>
</tr>
<tr>
<td>Improved ecosystems</td>
<td>Potential new renewable energy sources</td>
</tr>
<tr>
<td>New recreation opportunities</td>
<td>Flood management</td>
</tr>
</tbody>
</table>
Schedule

**FEB-MARCH 2017**
- SCOPING
  - COMMENT PERIOD

**JUNE 2017**
- DRAFT
  - ENVIRONMENTAL IMPACT REPORT/ENVIRONMENTAL IMPACT STATEMENT (EIR/EIS)

**JUNE 2017**
- CA WATER COMMISSION, WATER STORAGE INVESTMENT PROGRAM (WSIP), FUNDING APPLICATION

**PUBLIC REVIEW**
- AND COMMENT

**2018**
- FINAL EIR/EIS

**2018**
- CA WATER COMMISSION, WATER STORAGE INVESTMENT PROGRAM (WSIP), FUNDING DECISION
Environmental Analysis

Analyze and disclose:

- Reasonably foreseeable direct and indirect environmental impacts
- Potentially significant environmental impacts

Where impacts are significant:

- Identify mitigation measures and alternatives that substantially lessen or avoid such effects
Key Considerations

- Surface Water Resources
- Surface Water Quality
- Fluvial Geomorphology and Riparian Habitat
- Flood Control and Management
- Groundwater Resources
- Groundwater Quality
- Aquatic Biological Resources
- Botanical Resources
- Terrestrial Biological Resources
- Wetlands and Other Waters of the United States
- Geology, Minerals, Soils, and Paleontology
- Faults and Seismicity
- Cultural Resources
- Indian Trust Assets

- Land Use
- Recreation
- Socioeconomics
- Environmental Justice
- Air Quality
- Climate Change and Greenhouse Gas
- Emissions
- Navigation, Transportation, and Traffic
- Noise
- Public Health and Environmental Hazards
- Public Services and Utilities
- Visual Resources
- Power Production and Energy
- Growth-Inducing Impacts
- Cumulative impacts
Schedule

SITES PROJECT SCHEDULE:

YOU ARE HERE

PHASE 1: 2018 - January 2018
CWC WSIP APPLICATION

- Direct funding by Members

PHASE 2: 2018 - 2020
FINAL EIR/S & PRELIMINARY ENGINEERING

- Secure short-term debt
- Water Commission’s Initial Funding Decision

PHASE 3: 2020 - 2022
PERMITS, ROW, & FINAL DESIGN

- Add’l short-term debt
- Prop 1, Chapter 8 Final Funding Agreement & Contract for Public Benefits

PHASE 4: 2022-2029
CONSTRUCTION & CLOSE-OUT

- Issue long-term debt
- Construction Management

PHASE 5: 2029
TRANSFER TO OPS

- Repayment
- Managing Public Benefits

NOTE: THE SUBSEQUENT PHASE CAN ONLY START ONCE THE MEMBERS HAVE REBALANCED THE PROJECT AND FINANCING AGREEMENTS ARE EXECUTED.
### Alternatives

<table>
<thead>
<tr>
<th>Alternative</th>
<th>Capacity</th>
<th>Recreational Areas</th>
<th>Terminal Regulating Reservoir</th>
<th>Delevan Pipeline Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Project Alternative (CEQA) / No Action Alternative (NEPA)</td>
<td>No Storage</td>
<td>No Recreation</td>
<td>No Additional Water</td>
<td>No Water Facilities</td>
</tr>
<tr>
<td>Alt A</td>
<td>1.27 MAF</td>
<td>3</td>
<td>2,000 AF</td>
<td>YES</td>
</tr>
<tr>
<td>Alt B</td>
<td>1.81 MAF</td>
<td>3</td>
<td>2,000 AF</td>
<td>NO</td>
</tr>
<tr>
<td>Alt C</td>
<td>1.81 MAF</td>
<td>3</td>
<td>2,000 AF</td>
<td>YES</td>
</tr>
<tr>
<td>Alt D</td>
<td>1.81 MAF</td>
<td>2</td>
<td>1,200 AF</td>
<td>YES</td>
</tr>
</tbody>
</table>

**Project Cost:** $4.3 billion - $4.8 billion
Alternatives

Existing canals convey water to Reservoir: Tehama-Colusa Canal (2,100 cfs) and Glenn Colusa Irrigation District Canal (1,500 cfs) to Leesville Rd

Com Rd
Sites Saddle Dams
Golden Gate Dam
Sites Dam
Peninsula Hills RA
Boat Ramp

NODOS Alternatives

Alternatives include: (1) the proposed Sites Reservoir located approximately 10 miles west of the town of Maxwell; (2) a Sacramento River Intake/Discharge Facility in Colusa County across from Mouton Weir; and (3) the 13.5 mile Delevan Pipeline.

Legend
- Existing canals convey water to Reservoir
- Tehama-Colusa Canal (2,100 cfs)
- Glenn Colusa Irrigation District Canal (1,500 cfs)
- Diversion/Release to and from the Sacramento River
- Delevan and TRW Pipelines
- Delevan Pipeline (Underground)
- Terminal Regulating Reservoir (TRR)
- Sites Reservoir
- Delevan Pipeline Intake/Discharge Facilities
- Hydropower Pumping and Generating Facilities
- Hydropower facilities
- Ecosystem enhancement actions to improve fish habitat

ALTERNATIVES EVALUATED IN DETAIL

No Action/No Project Alternative
No action would be taken to provide a new surface storage facility north of the Delta to meet the planning objectives.

ALTERNATIVE A: 1.27 MAF Sites Reservoir with Delevan Pipeline
- 1.27 MAF million acre-feet Sites Reservoir with conveyance to and from the reservoir provided by the existing Tehama-Colusa Canal and Glenn Colusa Irrigation District Canal
- Delevan Pipeline with Fish Screen (2,000 cfs diversion/1,500 cfs release)
- Hydropower facilities
- Ecosystem enhancement actions to improve fish habitat

ALTERNATIVE B: 1.81 MAF Sites Reservoir with Release-only Delevan Pipeline
- 1.81 MAF Sites Reservoir with conveyance to and from the reservoir provided by the existing Tehama-Colusa Canal and Glenn Colusa Irrigation District Canal
- Delevan Pipeline (1,100 cfs release only)
- Hydropower facilities
- Ecosystem enhancement actions to improve fish habitat

ALTERNATIVE C: 1.81 MAF Sites Reservoir with Delevan Pipeline
- 1.81 MAF Sites Reservoir with conveyance to and from the reservoir provided by the existing Tehama-Colusa Canal and Glenn Colusa Irrigation District Canal
- Delevan Pipeline with Fish Screen (2,000 cfs diversion/1,500 cfs release)
- Hydropower facilities
- Ecosystem enhancement actions to improve fish habitat

ALTERNATIVE D: 1.81 MAF Sites Reservoir with Delevan Pipeline
- 1.81 MAF Sites Reservoir with conveyance to and from the reservoir provided by the existing Tehama-Colusa Canal and Glenn Colusa Irrigation District Canal
- Delevan Pipeline with Fish Screen (2,000 cfs diversion/1,500 cfs release)
- Hydropower facilities
- New 230 kV powerline
- Ecosystem enhancement actions to improve fish habitat
Available Water Supply

Sacramento River Uncaptured, Stored and Exported Flow Volumes
During November through March
Showing Geographic Distribution and Yearly Variation From Driest to Wettest Conditions

- Uncaptured Flow Entering above Shasta Lake
- Flow Stored in Existing Shasta Lake
- Uncaptured Flow Entering Below Shasta Lake and above Sites Diversions
- Flow Diverted to Storage in Sites
- Uncaptured Flow Entering Below Sites at Delevan

Volume of Flow (TAF/Season)
Probability of Exceedence
Water Supply Benefits

October-September Total Sacramento River Diversions to Fill Sites Reservoir

<table>
<thead>
<tr>
<th>Condition</th>
<th>Volume (TAF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Term</td>
<td>543</td>
</tr>
<tr>
<td>Wet</td>
<td>616</td>
</tr>
<tr>
<td>Above Normal</td>
<td>807</td>
</tr>
<tr>
<td>Below Normal</td>
<td>546</td>
</tr>
<tr>
<td>Dry</td>
<td>478</td>
</tr>
<tr>
<td>Critical</td>
<td>214</td>
</tr>
</tbody>
</table>
Water Supply Benefits: Refill Frequency

On Average, every 3 to 5 years

Simulated hydrologic sequence (1921 - 2002) with water demand in year 2030

NOTE: Current operations: Reservoir refills, on average, every 3 to 5 years (except during consecutive dry &/or critical water year types)
Water Supply Benefits

September Storage (Shasta, Oroville & Sites)

- w/o Project
- w/ Project

~400,000 acre-ft.

~800,000 acre-ft.

Volume (TAF)

Probability of Exceedence

D R Y  A V E R A G E  W E T

100% 80% 60% 40% 20% 0%

Public Benefit Water "A" (direct release from Sites Reservoir)
Public Benefit Water "B" (releases from Sites in lieu of releases from existing reservoirs)
Sec Valley Demand
Non-Sec Valley Demand
250 TAF
Coordinated Operations

THE DELTA IS IN BALANCED CONDITIONS

- Proposed infrastructure
- Pumping facility

Diagram showing the coordinated operations of water management systems in the Delta, including SHASTA, HOLTHOUSE, SITES, DELTA, OROVILLE, and FOLSOM reservoirs, and their interconnections through canals and pipelines.
Comment Period

Comments Due March 2, 2017

Scoping Comments
Sites Project Authority
P.O. Box 517  Maxwell, CA 95955

ScopingComments@sitesproject.org

At public meeting: Fill out a comment form or submit audio recording
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Website: www.SitesProject.org