

Topic: **Sites Reservoir Project****2019 Sept 15**Item: **Strawman - An updated description for the preferred Project**

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Purpose: Summarize the primary and secondary elements of a Sites Reservoir Project that should be permitted, financed, and constructed based on today's conditions (i.e. an updated Project Description).

These primary and secondary elements may be modified based on the facilities and operations confirmation analysis outlined on Thursday, September 12, 2019. This confirmation analysis will further investigate the use and modification of existing facilities and revised operations to meet the needs and anticipated available funds.

Primary Elements:

1. Facilities

- ✓ ▪ 1.5 MAF primary storage reservoir
 - Until further analysis of anticipated cost of mitigation is further refined, Delevan facility will only be a point of release back to the Sacramento River (i.e. Outlet only)
 - Dual pipelines to convey reservoir releases to the Delevan facility
NOTE: Use the benefits and construction costs associated with the use of this facility to allocate costs
 - Diversions from the Sacramento River would use existing facilities at Red Bluff and Hamilton City. Conveyance would be via the Tehama-Colusa and Glenn-Colusa canals
 - Incorporate the facilities that comprise the Maxwell Water Intertie
NOTE: Use the benefits and construction costs associated with the use of these facilities to allocate costs
 - Refine the design and build Fletcher reservoir in lieu of Holthouse reservoir option

2. Operations

- Diversion rates to be based on the scaled diversion concepts.
- Between October thru May, provide a pulse flow protection with trigger values based on the running 3-day average at Bend Bridge.
- Provide Delta mitigation measures in lieu of proposed minimum bypass flow rates at Freeport and minimum Net Delta Outflow Index (NDOI) proposed by CDFW.
- Through exchange with water stored in Lake with Shasta, provide temperature and flow stabilization in the Upper Sacramento River that exceeds the minimum habitat protection vales included in the applicable Biological Opinion and water quality regulations.

Status: **Initial working draft**Preparer: **Watson**Phase: **2** Version: **A**Purpose: **Informational**Checker: **Thomson**Doc. Date: **2019 Sept 15**

Notes

QA/QC:

Ref/File #: **10.520 - 012.221**eFile: **Revised Description-Preferred Project(2019Sept12)Strawman.docx**Page: **1** of **2**

- Incorporate mitigation and science / adaptive management processes
 - Continue to advance the Individual Storage Accounts concept, as described in the Water Storage Policy to apply to all participants.
3. **Roles:** Develop operations and size the facilities based on meeting the water demands for each of the following:
- **Local:** Current members of the Reservoir Committee, which includes Sacramento Valley, Bay Area, San Joaquin, and southern California.
In addition, pursue agreements to allow use of the Tehama-Colusa and Glenn Colusa canal and appurtenant facilities with TCCA/USBR and GCID, respectively.
 - **State:**
 - a. Prop 1: Providing benefits as conditionally approved by the Water Commission in their July 24, 2018 decision.
 - b. DWR: Participation through a cooperative operations agreement and to facilitate the appropriate attribution to CVP and SWP purposes and uses as well as the billing of State Water Project Contractors who are members of the Reservoir Committee.
 - **Federal:**
 - a. Reclamation: Participation through a cooperative operations agreement to facilitate exchanges with Shasta, and, as necessary, coordination of releases with COA participants to ensure that Sites-related releases from Shasta are appropriately attributed to CVP and SWP purposes and uses.
 - b. Interior: Based on approved funding, a proportionate storage account to augment exchanges with Shasta and Folsom.

Secondary Elements:

1. **Renewable Energy:** Defer to an appropriate time when license and/or permits could be obtained and there is interest to finance this work
2. **Grid Interconnection:** Pursue a single point of interconnection with either WAPA or PG&E.
3. **Community Access:** Continue to pursue a combination of road and bridge options to ensure communities to the west remain connected to the rest of Colusa County.
4. **Prop 1:** Continue to provide flood risk reduction and recreation benefits as conditionally approved by the Water Commission in their July 24, 2018 decision.

Key Considerations:

1. Continue to apply the beneficiary pays principle
2. Utilize prior studies and analysis to the maximum extent practicable. Specifically, as they relate to the operations, EIR/EIS, and feasibility report.
3. In the near-term, provide flexibility by defining the project in terms of what should be built now vs. deferred.