

2485 Natomas Park Drive, Suite 600  
 Sacramento, California 95833-2937  
 United States  
 T +1.916.920.0300  
 F +1.916.920.8463  
 www.jacobs.com

**Project Name** Sites Reservoir Project

**Subject** Model Results to Support the May 2021 Administrative Revised Draft EIR/SDEIS: No Action Alternative, Alternative 1A, Alternative 1B, Alternative 2, and Alternative 3 – CalSim II Results Appendices

**Attention** Ali Forsythe/Sites Project Authority      John Spranza/HDR  
 Erin Heydinger/HDR      Monique Briard/ICF  
 Nicole Williams/ICF

**From** Robert Leaf/JACOBS      Steve Micko/JACOBS  
 Reed Thayer/JACOBS

**Date** March 5, 2021

1. Introduction

The Sites Reservoir Project team has developed model simulations to support quantitative analysis of Sites long-term operations as part of developing an Administrative Revised Draft EIR/SDEIS, for completion in May 2021.

The results of these model simulations are provided for informational and review purposes. If there are any questions regarding the results of these simulations, please contact the modeling team.

2. Modeled Scenarios

Model results appendices are provided for the alternatives tabulated below.

Model Name	Label Name (as seen in spreadsheet)	Description
No Action Alternative 011221	NAA 011221	Baseline simulation (Reclamation 2020 Benchmark)
Alternative 1A 011221	ALT 1A 011221	1.5 MAF Reservoir
Alternative 1B 011221	ALT 1B 011221	1.5 MAF Reservoir with 91 TAF of Reclamation Investment
Alternative 2 011221	ALT 2 011221	1.27 MAF Reservoir
Alternative 3 020121	ALT 3 020121	1.5 MAF Reservoir with 345 TAF of Reclamation Investment

The CalSim II model was used to simulate Sites Reservoir, CVP, and SWP water operations, including reservoir operations, river flows and diversions at key project-related locations.

The CalSim II models used were developed in coordination with and reviewed by Sites Project Authority (Authority) and revised according to direction provided by the Authority.

This model (CalSim II) has been jointly developed by Reclamation and the California Department of Water Resources (DWR) over many years. This model is useful so long as the results are interpreted consistent with the model limitations.

### 3. Model Results for Modeled Scenarios

Reports for a range of outputs have been prepared. These results are included in the following attachments:

- 3.1. SPJPA\_RDEIR\_SDEIS\_Appendix5B1\_ProjectOperations\_20210304.pdf (CalSim II)
- 3.2. SPJPA\_RDEIR\_SDEIS\_Appendix5B2\_RiverOperations\_20210305.pdf (CalSim II)
- 3.3. SPJPA\_RDEIR\_SDEIS\_Appendix5B3\_DeltaOperations\_20210304.pdf (CalSim II)
- 3.4. SPJPA\_RDEIR\_SDEIS\_Appendix5B4\_RegionalDeliveryOperations\_20210304.pdf (CalSim II)

Each attachment includes a cover page cataloging the results included and formats used.