

Reservoir Committee and Authority Board Meeting

Agenda Item 3.1:
CalSim 3 Model Updates

February 21, 2025



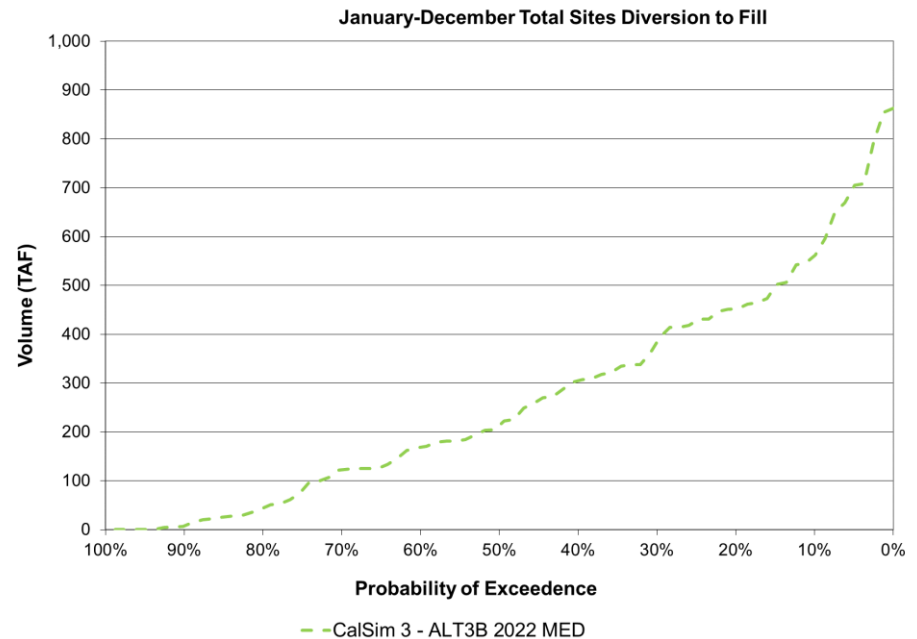
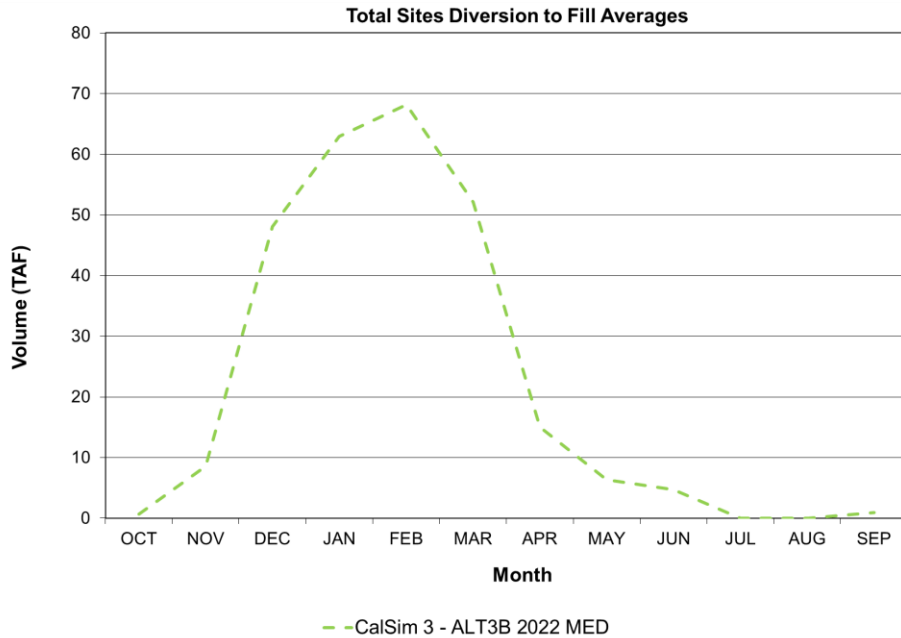
Sites Operations Assumptions

- Diversion criteria consistent with the CDFW Sites Operations ITP
 - Diversion criteria summarized on next slide
 - Wilkins Slough bypass changed from 10,700 cfs to 10,930 cfs
 - Bend Bridge Pulse Protection replaced with Flow Dependent Diversion criteria at both points of diversion
- Amendment 3 Participation Levels
- Reclamation participation level of 16% (consistent with preferred alternative from the ITP)
- Includes exchange operations with Shasta and Oroville

Sites Operations Assumptions

Sites Modeling Diversion Criteria	
Sites Storage Capacity	1.5 MAF
Red Bluff diversion capacity	2,100 cfs
Red Bluff Bypass	3,250 cfs
Hamilton City diversion capacity	1,800 cfs & variable winter capacities
Hamilton City Bypass	4,000 cfs
GCID Main Canal maintenance	Last week in Jan, first week in Feb
Wilkins Slough Bypass	10,930 cfs
Balanced Conditions	No diversions when Delta is in Balanced condition
Fully Appropriated Streamflow	No diversion from Jun 15 to Aug 31
Flow Dependent Diversions	Diversions limited by flow at Bend Bridge and Hamilton City (per Section 9.14 of the Sites Ops ITP)
Near Excess conditions	Limit diversions to not use first 3,000 cfs of Surplus Delta Outflow
Shasta Spring Pulse	Limit diversions in months with Shasta releases for Spring Pulse objectives

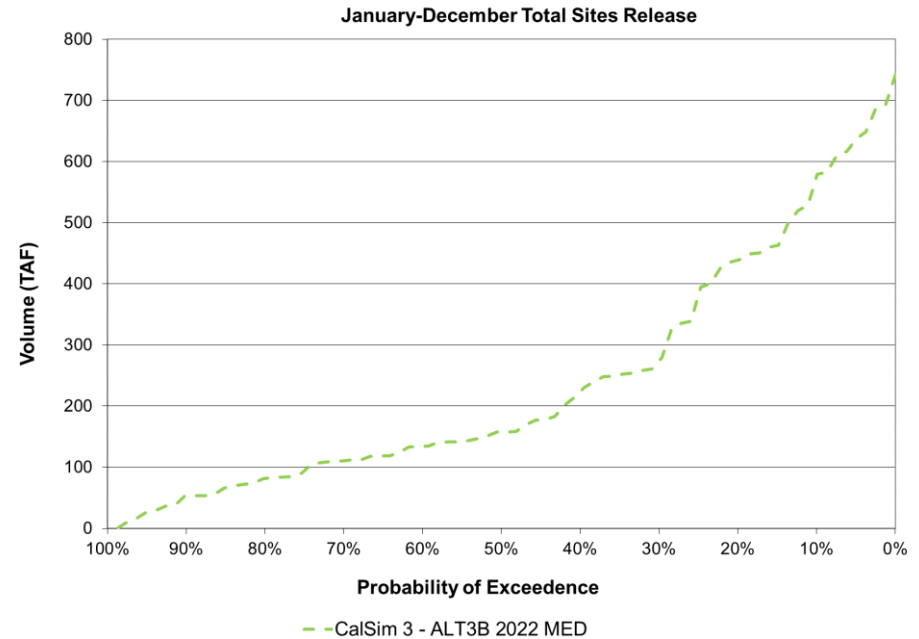
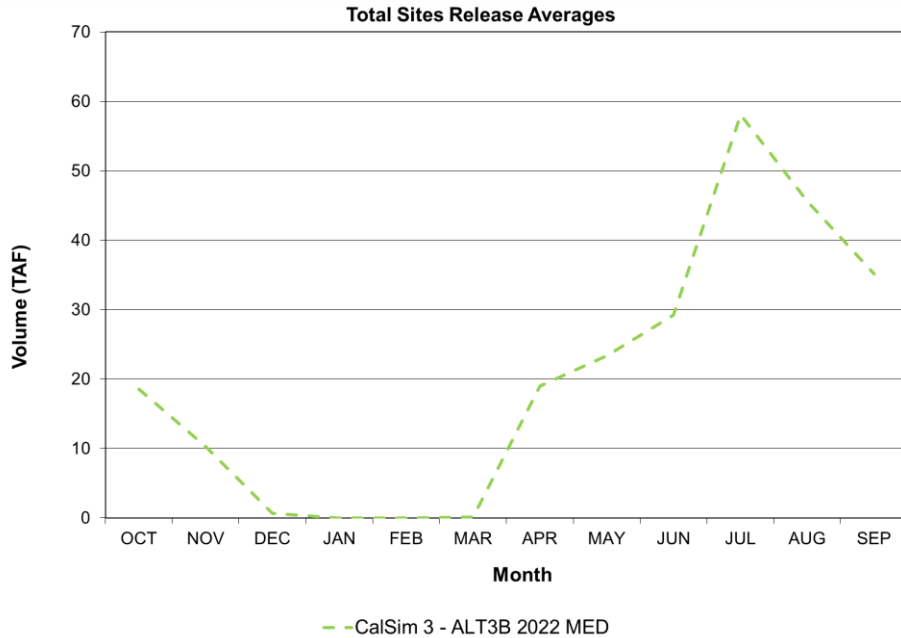
Preliminary Results



Scenario	Long-term Average Diversion (TAF)
CalSim 3 – ALT 3B 2022 MED	268

Results consider 1921-2021

Preliminary Results



Scenario	Long-term Average Release (TAF)
CalSim 3 – ALT 3B 2022 MED	240

Results consider 1921-2021

Questions

