

MANAGEMENT STRATEGY · BASELINE

Current operations without TUCPs

A management strategy in the COEQWAL scenario library

This strategy is the same as the COEQWAL Current Operations with one change: Temporary Urgency Change Petition (TUCP) actions are deactivated. Under Current Operations, TUCP actions can temporarily modify Delta requirements during extreme dry conditions; this strategy runs the same system without them.

This brief describes “*current operations without TUCPs*”, one of 28 management strategies in the COEQWAL scenario library. Each strategy is simulated once under each of five hydroclimates; the references note at the end of this brief lists the model runs.

§2 WHAT THIS STRATEGY CHANGES

The strategy deactivates TUCP actions in the model. Under the COEQWAL Current Operations scenario, TUCP actions can be triggered February through May when the Sacramento Valley index and Shasta storage both fall below certain thresholds, temporarily modifying Delta requirements during dry conditions.

Everything else matches current operations: the same operating rules, the same 2020 LandIQ land use, and the same flow and allocation logic. The pair of configurations isolates the TUCP switch.

§3 THE CONFIGURATION IN DETAIL

The table compares the eight operational fields that define this strategy against current operations — the strategy that represents existing operational rules, recent (2020) land use, and TUCPs. Rows that match current operations are shown in light gray; rows that differ are highlighted.

ASPECT	CURRENT OPERATIONS	THIS STRATEGY
TUCP actions	Active	Not active
SGMA actions	None	None
Land use	2020 LandIQ	2020 LandIQ
Delta regulations	Standard	Standard
BiOps	2019 / 2020 ITP	2019 / 2020 ITP
Infrastructure	Standard	Standard
Flows	Standard	Standard
Allocation / priorities	Standard	Standard

§4 LINEAGE AND SOURCE

This configuration was created from current operations by deactivating the TUCP simulation switch in the model code; it is otherwise identical to current operations. The CalSim model files for this strategy are referenced by the run IDs in the references note at the end of this brief.

§5 RELATED STRATEGIES

RELATED STRATEGIES — BASELINE

Current operations with historical land use. Current operational rules with agricultural demands set from the older 2004–2013 average land use.

Current operations. Existing operational rules with recent (2020) land use and TUCP actions — the current-operations anchor the other strategies are compared against.

Current USBR operations without TUCPs. Operating rules from USBR's 2024 Long-Term Operations plan (Alt2v1), with TUCP actions deactivated.

Current USBR operations. Operating rules from USBR's 2024 Long-Term Operations plan (Alt2v1), with 2020 land use and TUCP actions active.

§6 WHAT THIS DOESN'T SAY

This brief describes a scenario representation in CalSim, not a real-world policy proposal or implementation plan. The strategy as modeled may not capture all details necessary to support direct translation to actual operations. The brief does not predict, evaluate, or recommend any outcome — it describes what the scenario changes about CalSim's representation of the system. For what the model produces under this strategy, see the result briefs referenced in §7.

§7 SEE RESULTS FOR THIS STRATEGY

To see modeled outcomes for the current-operations family across all nine key outcomes at the reference hydroclimate, see the *BASELINES* brief.

To see outcomes at a specific location of interest, see the relevant LOI briefs — particularly those for Delta locations and community water systems.

Compare this strategy in the data explorer → (<https://coeqwal.org/explore?strategy=s0021>)

REFERENCES — MODEL RUNS

Each strategy is simulated once under each of five hydroclimates. The table lists the model run behind this strategy and the current-operations run it is compared against, for each hydroclimate, so any reader can trace this page to specific CalSim runs.

HYDROCLIMATE	THIS STRATEGY	CURRENT OPERATIONS
Historical hydroclimate (adjusted)	s0021	s0020
Moderate climate stress (EC-Earth3-Veg)	s0135	s0134
Moderate-high climate stress (cc50)	s0049	s0047
High climate stress (cc95)	s0058	s0056
Extreme climate stress (TaiESM1)	s0109	s0108

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