

Potential Project Scenarios to Model

-Hammering Out the Details

OPV Core Stakeholders Group, Projects Committee Meeting
December 3, 2020



New Projects with Low Infrastructure Requirements or With High Certainty of Being Implemented

Project	Quantity (AFY)	Notes
Recycled water to farms (2021)	4,600	Included in GSP
Recycled water to recharge (---)	4,500 0	Included in GSP, but later withdrawn
Incentivized fallowing (2021)	2,700	Included in GSP
SWP Interconnect flushing/recharge (2027)	500	New project planned by United and Ventura
Freeman Expansion Ph. 1 (2028)	4,000	Planned by United, discussed in GSP
Freeman Expansion Ph. 2 (2036)	4,000	Planned by United, discussed in GSP
SWP Art. 21, exchanges, transfers (2021)	6,000	No new infrastructure required

Optimization-focused Scenario



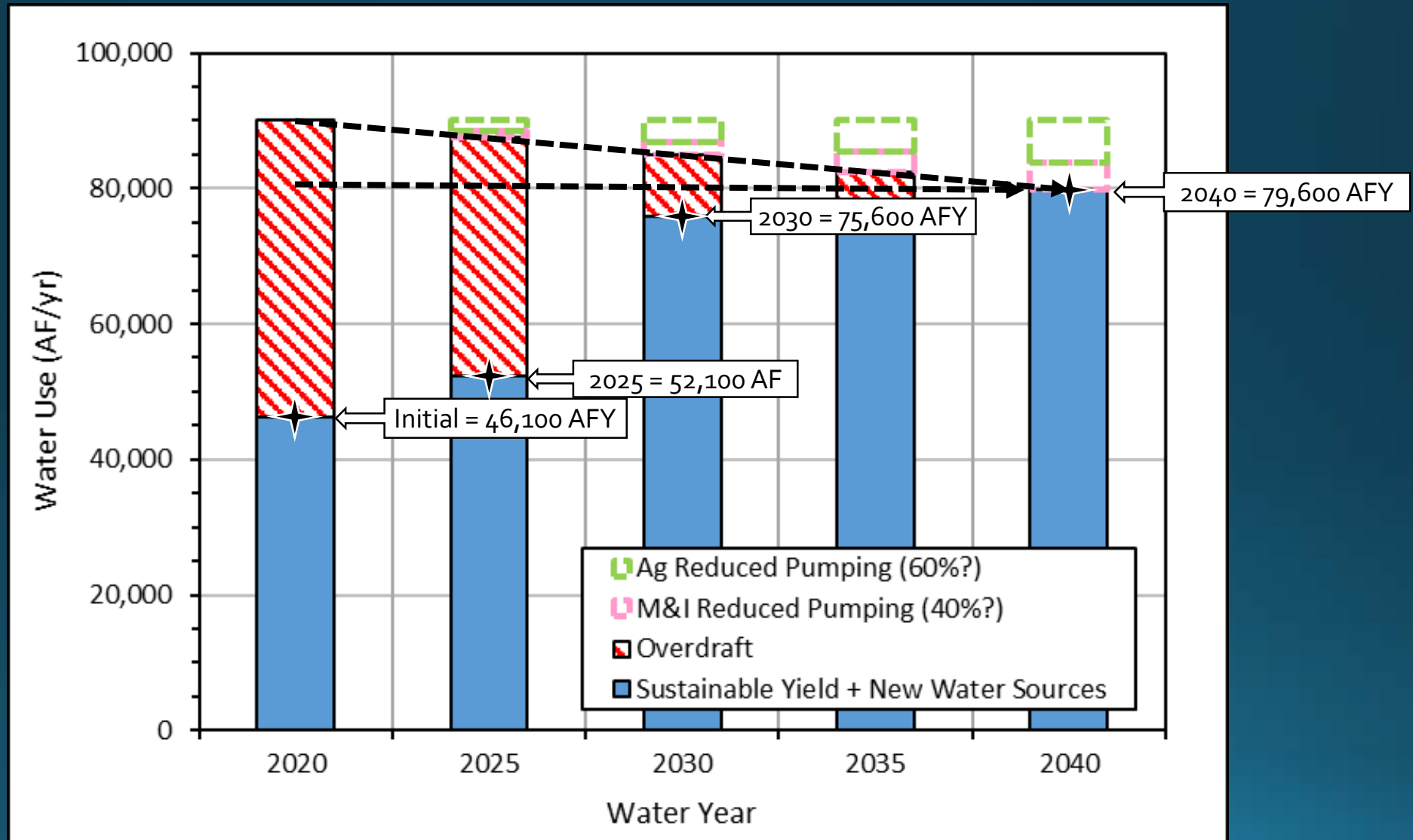
Extraction-barrier Scenario



Potential Project-Implementation Scenarios

Project	GSP: Reduction w/ Projects	GSP: Reduction w/ Projects (revised)	SWI Barrier Focus	Optimization Focus	Hybrid Approach
Recycled water to farms (2021)	4,600	4,600	4,600	4,600	4,600
Recycled water to recharge (---)	4,500	0	0	0	0
Voluntary fallowing (2021)	2,700	2,700	2,700	2,700	2,700
SWP Interconnect flushing (2027)	0	500	500	500	500
Freeman Expansion Ph. 1 (2028)	0	4,000	4,000	4,000	4,000
Freeman Expansion Ph. 2 (2036)	0	4,000	4,000	4,000	4,000
SWP Art. 21, exchanges, transfers (2021)	0	0	6,000	6,000	6,000
Optimization Ph. 1 (2027)	0	0	4,000	4,000	4,000
Optimization Ph. 2 (2030)	0	0	1,000	1,000	1,000
Optimization Ph. 3 (2035)	0	0	0	12,000	0
Brackish Water Ext. Ph. 1 (2027)	0	0	12,000-16,000	0	12,000-16,000
Brackish Water Ext. Ph. 2 (2035)	0	0	12,000-8,000	0	0
Reduced pumping (from 90,000 AFY)	39,000	35,000	200	12,000	8,000-12,000?

Options for Modeling Rampdown under a Hybrid (SWI Barrier + Optimization) Scenario



Other Potential Future Projects that Could be Modeled at a Later Date

Project	Quantity (AFY)	Notes
Conejo Creek Storage (2030)	2,500?	Being developed by Camrosa MWD
M&I water market/alternative sources	???	Being developed by Curtis Hopkins
AWPF expansion for other uses	4,500?	Oxnard suggested they may

“The probability of success is difficult to estimate; but if we never search the chance of success is zero.”

--Giuseppe Cocconi and Philip Morrison, 1959

End