

Initial Strategy Evaluation Results¹

Strategy/Portfolio	Stage 2 (10% Water Use Reduction) - # of Years	Stage 3 (Up to 20% Water Use Reduction) - # of Years	District Lifecycle Cost (\$billion)	Supply Reliability					Water Quality		Costs	Flexibility			Environmental		Community			
				Meet Demands	Maintain Groundwater Storage	Secure Existing Supplies	Reduce Reliance on Delta	Maximize Water Use Efficiency	Protect Groundwater Quality	Meet Drinking Water Regulations		Minimize District Influence	Minimize Implementation Complexity	Allows for Phasing	Adapts to Climate Change	Protect Aquatic Ecosystems	Reduce Greenhouse Gas Emissions	Impacts to Property Owners	Open Space	Flood Protection
Strategy 1: Modular	5	0	1.3	+	++	-	-	+	∅	∅	+	∅	+	++	+	∅	∅	∅	+	+
Strategy 2: Low Risk	3	0	1.6	+	++	-	-	+	∅	∅	+	-	+	++	+	∅	∅	∅	+	+
Strategy 3: Local Control	3	0	3.1	+	+	++	∅	+	++	+	--	++	--	-	++	--	--	∅	+	+
Strategy 4: Low Cost	5	0	0.8	+	∅	-	-	+	+	∅	++	--	-	-	++	-	-	∅	+	+
Strategy 5: Operational Flexibility	2	0	4.5	+	++	-	--	∅	∅	+	--	--	--	--	+	-	∅	-	++	++
Strategy 6: Adaptation	5	0	1.5	+	+	∅	∅	∅	++	∅	+	-	-	-	++	∅	--	∅	∅	∅
Strategy 7: Local Storage	7	1	4.7	-	-	++	∅	∅	∅	+	∅	++	--	-	+	--	-	-	++	++
Strategy 8: Statewide Storage	4	0	0.4	+	++	-	-	∅	∅	∅	++	--	-	--	+	-	-	∅	∅	∅
Strategy 9: Secure Imported Supplies	3	0	1.9	+	++	-	--	∅	∅	∅	+	--	--	--	+	++	∅	∅	∅	∅

1. See page 2 for rating criteria

Rating System

Rating	Very Negative	Negative	Neutral	Positive	Very Positive
	--	-	0	+	++
Meet Demands	Reach Stage 4 of Water Shortage Contingency Plan - Water Use Reductions up to 30% ¹	Reach Stage 3 of Water Shortage Contingency Plan - water use reductions up to 20% ¹		Reach Stage 2 of Water Shortage Contingency Plan - water use reductions up to 10% ¹	Stay in Stage 1 of Water Shortage Contingency Plan - no water use reductions ¹
Maintain Groundwater Storage	Groundwater and Semitropic decrease	Groundwater or Semitropic decrease	Minimal change	Groundwater or Semitropic increase	Groundwater and Semitropic increase
Secure Existing Supplies	Significant decrease in local surface water, recycled water, and/or imported water	Decrease in local surface water, recycled water, and/or imported water	Minimal change	Increase in local surface water, recycled water, and/or imported water	Significant increase in local surface water, recycled water, and/or imported water
Reduce Reliance on Delta	>5% increase in total supply from Delta	1-5% increase in total supply from the Delta	No change	1-5% decrease in total supply from the Delta	>5% decrease in total supply from Delta
Maximize Water Use Efficiency	Increases demands and decreases natural recharge	Increases demands or decreases natural recharge	No change	Decreases demands or increases natural recharge	Decreases demands and increases natural recharge
Protect Groundwater Quality			Provides water for recharge that is similar to existing groundwater quality	Provides water for recharge that is better than existing groundwater quality	Provides water for recharge that is significantly better than existing groundwater quality
Meet Drinking Water Regulations	Significant decrease in the quality of water sent to treatment plants	Small decrease in the quality of water sent to treatment plants	No change in the quality of water sent to treatment plants	Small increase in the quality of water sent to treatment plants	Significant increase in the quality of water sent to treatment plants
Minimize Costs	>\$3 billion	\$2.5-3 billion	\$2-2.5 billion	\$1-2 billion	< \$1 billion
Maximize District Influence	Little control over operations	Partnership in control over operations	No change to degree of control over operations	most operations are under district control	100% district control over operations
Minimize Implementation Complexity	Significant environmental, regulatory, and institutional restrictions. Difficult constructability and operations.	Some environmental, regulatory, and institutional restrictions. Difficult constructability and operations.	No change	Minimal environmental, regulatory, and/or institutional restrictions. Good constructability and/or easy operations.	Minimal environmental, regulatory, and institutional restrictions. Good constructability and easy operations.
Allows for Phasing	Has strict time frames that require near-term decisions.	Has strict time frames with some near-term decisions required	No difference in phasability	Has some flexible time frames and required decisions spread over time	Has flexible time frames for decisions and implementation
Adapts to Climate Change			No change	Adapts to increased drought severity or storm intensity	Adapts to increased drought severity and storm intensity
Protect Aquatic Ecosystems	Restricts access to or passage thru aquatic habitat	Disturbs aquatic habitat but does not restrict access.	No change to aquatic habitat	Improves aquatic habitat	Improves aquatic habitat and access
Reduce Greenhouse Gas Emissions	Requires significant energy	Requires some energy	No change in energy requirements	Somewhat reduces energy requirements	significantly reduces energy requirements
Met Customer Expectations		Impacts to private property owners			
Open Space	Eliminates access to district open space	Decreases access to District open space	No addition/substraction of open space access	Increases aesthetics and provides areas for a stroll	Provides significant recreational activities (e.g., hiking, boating)
Flood Protection			No change in flood protection	Reduces stormwater runoff	Reduces stream flooding

*All portfolio ratings are relative to the applicable base case of the Baseline or Trending Scenario, except for the "Meeting Demands" rating

*Empty boxes indicate no rating option