

APPENDIX J: REDUCING RELIANCE ON THE DELTA

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APPENDIX J - SCV Water Approach to Demonstrate Reduced Delta Reliance

TO: SCV Water

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RE: 2025 UWMP – Reducing Reliance on the Delta – Consistency with Delta Plan Policy WR P1

The Delta Reform Act of 2009 and codified in the Delta Plan Policy WR P1, directs urban water suppliers to reduce reliance on water supplies from the Sacramento–San Joaquin Delta by improving regional water self reliance through conservation, water use efficiency, and development of local and regional supplies. Urban Water Management Plans (UWMPs) serve as the primary mechanism for demonstrating consistency with this policy by documenting implementation of feasible programs and projects and by showing measurable reductions in Delta water use over time.

1. Delta Plan Policy

As stated in the 2025 UWMP Guidebook Appendix C (Final version dated January 2026): “An urban water supplier (Supplier) that anticipates participating in or receiving water supply benefits from a proposed project (covered action¹) such as a multiyear water transfer, conveyance facility, or new diversion that involves transferring water through, exporting water from, or using water in the Sacramento-San Joaquin Delta (Delta) should provide information in their 2015 and 2020 Urban Water Management Plans (UWMP's) that can then be used in the covered action process to demonstrate consistency with Delta Plan Policy WR P1, Reduce Reliance on the Delta Through Improved Regional Water Self- Reliance (California Code Reg., tit. 23, § 5003).”

WR P1 subsection (c)(1) further defines what adequately contributing to reduced reliance on the Delta means in terms of (a)(1) above.

“(c)(1) Water suppliers that have done all the following are contributing to reduced reliance on the Delta and improved regional self-reliance and are therefore consistent with this policy:

(A) Completed a current Urban or Agricultural Water Management Plan (Plan) which has been reviewed by the California Department of Water Resources for compliance with the applicable requirements of Water Code Division 6, Parts 2.55, 2.6, and 2.8;

(B) Identified, evaluated, and commenced implementation, consistent with the implementation schedule set forth in the Plan, of all programs and projects included in the

Plan that are locally cost effective and technically feasible which reduce reliance on the Delta; and

(C) Included in the Plan, commencing in 2015, the expected outcome for measurable reduction in Delta reliance and improvement in regional self-reliance. The expected outcome for measurable reduction in Delta reliance and improvement in regional self-reliance shall be reported in the Plan as the reduction in the amount of water used, or in the percentage of water used, from the Delta watershed. For the purposes of reporting, water efficiency is considered a new source of water supply, consistent with Water Code section 1011(a)."

Demonstrating reduced reliance on Delta water supplies was anticipated to commence with the 2015 UWMPs and expected for each UWMP plan cycle thereafter for those agencies that take part or will take part in a covered action or that would receive water supply benefits from the covered action. 23 CCR Section 5003(c)(1) is followed by a description of programs and projects that reduce reliance on the Delta. As further stated in 23 CCR Section 5003(c)(2): "Programs and projects that reduce reliance could include, but are not limited to, improvements in water use efficiency, water recycling, stormwater capture and use, advanced water technologies, conjunctive use projects, local and regional water supply and storage projects, and improved regional coordination of local and regional water supply efforts."

2. Preparation of UWMPs and Implementation of Projects from the UWMP

SCV Water completed and submitted to DWR, 2005, 2010, 2015, and 2020 Urban Water Management Plans, in addition to this 2025 UWMP. SCV Water has identified, evaluated and implemented projects that are locally cost effective and technically feasible which improve local reliability and reduce reliance on the Delta.

3. Expected Outcomes for Measurable Reduction in Delta Reliance

This appendix documents the supplier's approach for demonstrating reduced reliance on Delta water supplies, consistent with 23 CCR Section 5003(c)(1), and provides quantitative support through an accompanying Excel workbook. The methodology follows the example approach recommended by the California Department of Water Resources (DWR) in Appendix C of the 2025 UWMP guidance. Reduced reliance is evaluated by comparing current and projected use of Delta water supplies against a fixed baseline representing historical conditions prior to implementation of major conservation and supply diversification actions. The analysis reflects normal year conditions and is held constant across plan cycles to allow meaningful comparison over time. Baseline conditions use values from 2010 because that's when the Delta Reform act became effective.

- **Baseline.** In order to calculate the expected outcomes for measurable reduction in Delta reliance and improved regional self-reliance, a baseline is needed to compare against. For consistency with DWR and past assessment, SCV Water is using year 2010 as the baseline year. This analysis uses a normal water year representation of 2010 as the baseline. Data for the 2010 baseline were taken from SCV Water's 2005 UWMP as the UWMPs generally do not provide normal water year data for the year that they are adopted (i.e., 2010 UWMP forecasts normal year 2015, 2010 UWMP forecasts normal year 2020, and so on).

- **Service Area Demands.** Service area demands, including demands for non-potable water, for 2010, 2015, 2020, and 2025 were taken from projections from the previous (2005, 2010, 2015, and 2020) UWMPs. Service area demands 2030 to 2050 were taken from projections developed as part of the 2025 UWMP.
- **Service Area Population.** Population figures were taken directly from the population tables reported in the UWMP submittals to DWR. These values reflect actual population for each reporting period. Population totals include all areas served by SCV Water, including LA36 service area

Supplies Contributing to Regional Self Reliance

The analysis accounts for changes in water use efficiency, which are treated as a source of water supply. Efficiency savings are quantified based on reductions in per capita water use relative to the baseline and incorporated into the total supply portfolio. In addition, supplies that contribute to regional self-reliance, such as recycled water, and other local or regional project (groundwater production), are identified and quantified to demonstrate the supplier's investments in diversified, non-Delta sources. These calculations rely on data reported in the UWMP following DWR Appendix C Excel workbook template. Information included in these tables were pulled from prior UWMPs and DWR Deliveries capabilities reports.

Calculation of supplies contributing to delta reliance includes water use efficiency, recycled water, conjunctive use projects which include firm water transfers such as Nickel Water-Newhall Land (NFL) and Buena Vista Rosedale Rio Bravo (BVRRB). Additionally, local supply projects include groundwater production. The Delta supplies included in the subsequent tables show the SWP contract deliveries projected for SCV Water during normal year conditions consistent with the UWMP. Since this analysis is based on normal year supply and demand characterization it excludes water transfers and exchanges characterized in the UWMP supply reliability analysis for single dry and multiple dry conditions.

SCV Water's planned supply and demand management projects implemented between 2025 and 2050 are projected to reduce reliance on Sacramento–San Joaquin Delta water supplies by approximately 29 percent (from 2010 baseline). This reduction is primarily attributable to increased recycled water use, groundwater production, and continued improvements in water use efficiency.

Local and Regional Water Supply and Storage Projects* (Groundwater Supplies)	31,100	31,545	17,332	19,385	39,940	41,473	41,473	41,873	41,873
Other Programs and Projects the Contribute to Regional Self-Reliance	11,000	11,000	11,000	11,000	11,000	12,067	12,067	12,067	12,067
Water Supplies Contributing to Regional Self-Reliance	42,600	54,603	56,474	54,459	91,712	96,039	102,056	108,175	113,463

*SCV Water added Groundwater supplies under the local and regional water supply storage projects.

Service Area Water Demands without Water Use Efficiency (Acre-Feet)	Baseline (2010)	2015	2020	2025	2030	2035	2040	2045	2050 (Optional)
Service Area Water Demands without Water Use Efficiency Accounted For	94,710	90,828	96,027	98,175	102,832	108,833	115,158	121,788	128,409

Change in Regional Self Reliance (Acre-Feet)	Baseline (2010)	2015	2020	2025	2030	2035	2040	2045	2050 (Optional)
Water Supplies Contributing to Regional Self-Reliance	42,600	54,603	56,474	54,459	91,712	96,039	102,056	108,175	113,463
Change in Water Supplies Contributing to Regional Self-Reliance		12,003	13,874	11,859	49,112	53,439	59,456	65,575	70,863

Percent Change in Regional Self Reliance (As Percent of Demand w/out WUE)	Baseline (2010)	2015	2020	2025	2030	2035	2040	2045	2050 (Optional)
Percent of Water Supplies Contributing to Regional Self-Reliance	45.0%	60.1%	58.8%	55.5%	89.2%	88.2%	88.6%	88.8%	88.4%
Change in Percent of Water Supplies Contributing to Regional Self-Reliance		15.1%	13.8%	10.5%	44.2%	43.3%	43.6%	43.8%	43.4%

Table J-4: Calculation of Reliance on Water Supplies from the Delta Watershed

Water Supplies from the Delta Watershed (Acre-Feet)	Baseline (2010)	2015	2020	2025	2030	2035	2040	2045	2050 (Optional)
CVP/SWP Contract Supplies	58,300	59,000	55,216	47,600	45,696	43,792	41,888	40,936	40,936
Delta/Delta Tributary Diversions									
Transfers and Exchanges									
Other Water Supplies from the Delta Watershed									
Total Water Supplies from the Delta Watershed	58,300	59,000	55,216	47,600	45,696	43,792	41,888	40,936	40,936

Service Area Water Demands without Water Use Efficiency (Acre-Feet)	Baseline (2010)	2015	2020	2025	2030	2035	2040	2045	2050 (Optional)
Service Area Water Demands without Water Use Efficiency Accounted For	94,710	90,828	96,027	98,175	102,832	108,833	115,158	121,788	128,409

Change in Supplies from the Delta Watershed (Acre-Feet)	Baseline (2010)	2015	2020	2025	2030	2035	2040	2045	2050 (Optional)
Water Supplies from the Delta Watershed	58,300	59,000	55,216	47,600	45,696	43,792	41,888	40,936	40,936
Change in Water Supplies from the Delta Watershed		700	(3,084)	(10,700)	(12,604)	(14,508)	(16,412)	(17,364)	(17,364)

Percent Change in Supplies from the Delta Watershed (As a Percent of Demand w/out WUE)	Baseline (2010)	2015	2020	2025	2030	2035	2040	2045	2050 (Optional)
Percent of Water Supplies from the Delta Watershed	61.6%	65.0%	57.5%	48.5%	44.4%	40.2%	36.4%	33.6%	31.9%
Change in Percent of Water Supplies from the Delta Watershed		3.4%	-4.1%	-13.1%	-17.1%	-21.3%	-25.2%	-27.9%	-29.7%