

STATE WATER RESOURCES CONTROL BOARD
WATER SUPPLY STRATEGY IMPLEMENTATION - PLANNED RECYCLED WATER PROJECTS
December 2023

Background

The [Water Supply Strategy](#) includes statewide goals for recycling a total of at least 800,000 acre-feet of water per year by 2030 and 1.8 million acre-feet by 2040, with most of that additional recycling involving direct wastewater discharges that are now going to the ocean. The Water Supply Strategy requires the State Water Board, by January 2024, to work with local water and sanitation agencies to identify recycled water projects that hold the potential to be operational by 2030 and by no later than 2040.

The State Water Board promotes the use of recycled water through investing in infrastructure to support recycled water projects, implementing the [Recycled Water Policy](#), streamlining permitting for recycled water projects, and identifying and funding the highest priority research needs to ensure the state's recycled water goals are achieved. The State Water Board is also in its fourth year of implementing the [Volumetric Annual Report](#) (VAR) of wastewater and recycled water statewide, which will continue to inform progress towards the Water Supply Strategy's 2030 and 2040 goals. The total volume of recycled water use reported for the year 2022 is approximately 749,000 acre-feet year with potable uses representing approximately 26 percent of recycled water use.

Methodology

State Water Board staff (staff) compiled a list of planned recycled water projects that hold the potential to deliver additional recycled water by 2030 and by no later than 2040 (Attachment 1). Staff compiled the list in coordination with WaterReuse California and California Association of Sanitation Agencies and with input from recycled water and wastewater agencies, regional water boards, and data from the Volumetric Annual Report.

The list is a snapshot of planned future projects with projected additional recycled water production. State Water Board staff will continue tracking and reporting recycled water production on an annual basis through the Volumetric Annual Report to evaluate progress towards the recycled water goals. The State Water Board will continue to support the use of recycled water through supporting project planning, streamlining permitting, and investing in recycled water infrastructure and recycled water research as funding is available.

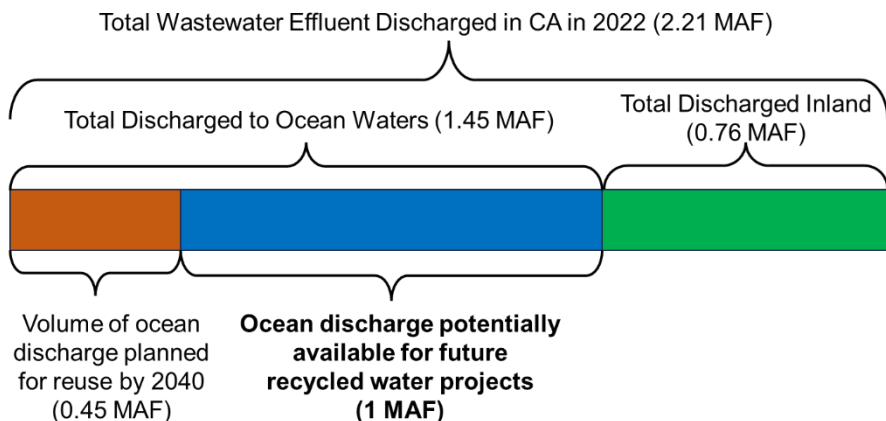
Findings

The list identifies 95 planned projects statewide with the potential to increase recycled water use by approximately 313,000 acre-feet per year by 2030, and by an additional 428,000 acre-feet per year by 2040, compared to the 2022 reported deliveries of 749,000 acre-feet per year. Tables 1 and 2 below provide a summary of current recycled water use and the projections, and the list of Planned Recycled Water Projects that Hold the Potential to Deliver Additional Recycled Water by 2030 and by no later than 2040 is included as Attachment 1. **Based on these planned projects, the State is on a path to meet the 2030 goals, but additional investments and project planning for 310,000 additional acre-feet per year will be needed to achieve the 2040 goals.**

The projections show large increases in planned recycled water volumes in the coastal regions by 2040, consistent with the goal of prioritizing reuse of treated wastewater that is currently discharged to the ocean. Opportunities for further increases in recycled water use can be evaluated from the Volumetric Annual Report data of treated wastewater being discharged. In 2022, approximately 1.45 million acre-feet per year of wastewater was discharged into the ocean. A significant portion of this water could be recycled for potable and non-potable uses in coastal regions (Figure 1). There are two large projects in the planning stages in the Los Angeles Region, Operation NEXT Water Supply Program and Pure Water

Southern California, which are projected to deliver a combined volume of 323,000 acre-feet per year of recycled water between 2030 and 2040. There is also treated wastewater discharged in inland regions that may be available for recycling after evaluating feasibility considerations such as brine disposal options.

Figure 1. Opportunities for Additional Recycling from Ocean Discharges



The projections reflect that most planned recycled water projects in coastal regions are for potable reuse. Coastal regions have a higher demand for potable recycled water (vs. non-potable), as well as access to ocean discharge for brine streams generated during advanced treatment processes required for potable reuse (although reverse osmosis concentrate must be managed appropriately to remove nutrients that contribute to water quality impairment). Inland regions have a higher proportion of non-potable planned recycled water projects, likely due to demand for non-potable irrigation water, as well as lack of feasible options for brine disposal. In addition, supporting ecosystem health by maintaining instream flow, which may include treated wastewater, in inland fresh waters is a state priority and an important factor to be considered for use of treated wastewater in inland regions.

Project proponents have communicated several impediments to plan and implement recycled water projects. The top two impediments cited were lack of funding and lack of infrastructure (e.g., pipelines to transport water). Other impediments include lack of recycled water users (particularly when the quality of available recycled water does not meet the desired use), unfavorable costs (i.e., not cost-effective compared to existing water supplies), regulatory requirements and permitting delays, lack of feasible disposal options for brine streams generated during advanced treatment processes, instream flow requirements, and lack of sufficient source water.

Recommendations Moving Forward

The list of planned recycled water projects communicates current progress towards the state’s recycled water goals and supports a transparent process for staff to identify potential impediments that may delay delivery of planned recycled water. The list can also inform recommendations for resolving impediments that may be appropriate for the legislature or state and local agencies. The projections are tools to support California’s water supply planning efforts, in concert with Urban Water Management Plans and regional integrated water resources management planning processes.

Funding

Within the last five years, the State Water Board has financed \$1.8 billion in water recycling loans for projects that are anticipated to produce 124,000 acre-feet per year. Additional investments will be

needed to support implementation of the planned projects, as well as to support planning efforts for projects that are still early in the conceptual phase. For example, the Operation NEXT Water Supply Program is planning to recycle 100 percent of available treated wastewater for beneficial reuse from the Hyperion Water Treatment Plant by 2035 (up to 217 million gallons per day of indirect and direct potable reuse), and the construction costs are estimated to be \$4.8 billion.

Outreach and Building Capacity:

To advance the human right to water, resources and investments will be needed to build capacity in disadvantaged and underserved communities that do not have adequate projected water supplies, to increase water supply resilience by augmenting local water supplies. Recommended actions include conducting outreach to smaller, disadvantaged, or underserved communities to support water supply planning efforts and evaluations of recycled water as an option to address water supply challenges. Funding investments will also be needed to support planning studies and infrastructure needs.

Tables

Table 1: Statewide Total Wastewater and Recycled Water Volumes (Current and Planned)

	Statewide Total (Volume in AFY)	Total Volume in Coastal* Regions	Percent in Coastal Regions Compared to Statewide
2022 Wastewater Volume (Effluent)	2,212,742	1,711,233	77%
2022 Recycled Water Total	749,000	586,953	78%
By 2040 Recycled Water Projections	1,489,561	1,242,411	83%
Current Potable Reuse (2022)	189,508	189,508	100%
By 2040 Potable Recycled Water Projections**	825,108	798,734	97%

Notes:

*Coastal Regions are regional water board areas covering: North Coast, San Francisco Bay, Central Coast, Los Angeles, Santa Ana, and San Diego

**Potable reuse planned projects are those specified to include a potable reuse component

Table 2: Summary of Planned Recycled Water Projects by Regional Water Board

Regional Water Board	2022 Recycled Water Use (AFY)	Sum of 2022- 2030 Volume Increase Projection (AFY)	Sum of 2030-2040 Volume Increase Projection (AFY)	No. of Planned Projects	No. of Planned Projects Identified as Potable Projects
North Coast	26,845	2,018	100	6	0
San Francisco Bay	54,359	4,701	16,723	10	2
Central Coast	27,827	11,456	4,211	12	10
Los Angeles	208,175	86,133	328,773	14	12
Central Valley	123,657	27,619	7,206	13	0
Lahontan	25,769	11,242	0	7	2
Colorado River	12,876	31,747	7,290	10	4
Santa Ana	206,361	69,942	4,000	11	6
San Diego	63,386	68,033	59,368	12	9
Total	749,256	312,890	427,671	95	45

Notes:

*Total estimated projected increase in volume by 2030 is approximately 313,000 AFY

*Total estimated projected increase in volume from 2030-2040 is approximately 428,000 AFY

Attachment 1: Water Supply Strategy Implementation

Planned Recycled Water Projects that Hold the Potential to Deliver Additional Recycled Water by 2030 and by no Later than 2040

Summary: The total estimated projected increase in volume by 2030 is approximately 313,000 Acre-Feet per Year (AFY).
 The total estimated projected increase in volume from 2030-2040 is approximately 428,000 AFY.
 The total by 2040 recycled water projection is approximately 1,490,000 AFY.

Notes: *Type of Project acronyms: DPR (Direct Potable Reuse); GRRP (Groundwater Replenishment Reuse Projects); SWA (Surface Water Augmentation)
 These project types are defined in Water Recycling Criteria, Title 22, Division 4, Chapter 3 of the California Code of Regulations.
 Projects not specified as potable are likely non-potable.

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
1	NORTH COAST	City of Ukiah	Recycled Water Project Phase 4	NPD100051538_Ukiah City WWTP	Non-potable	500	0	2025
2	NORTH COAST	Mendocino City Community Services District	MCCSD Recycled Water System Upgrades	NPD100051645_Mendocino City CSD	Non-potable	48	0	2025
3	NORTH COAST	Sonoma Water-Russian River County Sanitation District	West Sonoma County Wastewater & Recycled Water Supply Regionalization	NPD100051903_Santa Rosa Laguna Subregional Water Reclamation Facility	Non-potable	0	100	2023

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
4	NORTH COAST	Town of Windsor	Town of Windsor	NPD100051545_Windsor Wastewater Treatment, Reclamation, and Disposal Facility	Non-potable	900	0	2028
5	NORTH COAST	Unknown	Not named	NPD100051533_Fort Bragg City WWTP	Unknown (likely Non-Potable)	550	0	2029
6	NORTH COAST	Unknown	Unknown	WDR100031640_Gualala WWTF	Unknown (likely Non-Potable)	20	0	by 2030
7	SAN FRANCISCO BAY	EBMUD	EBMUD	NPD100051573_EBMUD WPCP	Non-potable	1050	10600	2030
8	SAN FRANCISCO BAY	Tri-Valley Agencies: California Water Service-Livermore District, City of Livermore, City of Pleasanton, Dublin San Ramon Services District, and the Zone 7 Water Agency	Tri Valley Agencies	NPD100051638_Dublin San Ramon SD WWTP	GRRP	0	123	2023

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
9	SAN FRANCISCO BAY	Santa Clara Valley WD (SCVWD)	Santa Clara Valley Water District's Potable Reuse Program (Valley Water)	NPD100051503_Palo Alto Regional WQCP	GRRP	85	6000	2023
10	SAN FRANCISCO BAY	Unknown	Unknown	NPD100051512_SF - OCEANSIDE Water Pollution Control Plant	Unknown (likely Non-Potable)	1920	0	by 2030
11	SAN FRANCISCO BAY	SFPUC	New Treasure Island Wastewater Treatment Plant	NPD100051483_Treasure Island WWTP/DOD	Unknown (likely Non-Potable)	470	0	by 2030
12	SAN FRANCISCO BAY	Unknown	Unknown	NPD100051556_SF Airport Mel Leong TP-Sanitary Waste	Unknown (likely Non-Potable)	400	0	by 2030
13	SAN FRANCISCO BAY	Unknown	Unknown	NPD100051485_Fairfield-Suisun Sewer District Subregional WWTP	Unknown (likely Non-Potable)	150	0	by 2030
14	SAN FRANCISCO BAY	West Bay Sanitary District	Avy Altschul Pump Station Project	WDR100051713_Sharon Heights Recycled Water Facility	Non-potable	61	0	2024

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
15	SAN FRANCISCO BAY	West Bay Sanitary District	Bay Front Recycled Water Facility	Bay Front Recycled Water Facility (satelite facility)	Non-potable	560	0	2026
16	SAN FRANCISCO BAY	Unknown	Unknown	NPD100051513_SF-SE Water Pollution Control Plant, N-Point & Bayside	Unknown (likely Non-Potable)	4.6	0	by 2030
17	CENTRAL COAST	Carpinteria Valley Water District	Carpinteria Advanced Purification Project (CAPP)	Carpinteria SD WWTP_NPD100051525	GRRP	1100	0	2027
18	CENTRAL COAST	Cambria Community Services District	Cambria Community Services District	WDR100029268_Cambria CSD WWTP	GRRP	50	150	2030
19	CENTRAL COAST	Cayucos Sanitary District	City of Morro Bay Our Water Program	NPD100051541_Morro Bay/Cayucos WWTP	SWA	415	650	2026
20	CENTRAL COAST	Pismo Beach, City of	Central Coast Blue Regional Recycled Water Project	NPD100051481_Pismo Beach WWTP	GRRP	900	2400	2026

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
21	CENTRAL COAST	Morro Bay, City of	City of Morro Bay Our Water Program	NPD100051541_Morro Bay/Cayucos WWTP	GRRP	415	650	2026
22	CENTRAL COAST	Monterey One Water	Pure Water Monterey	WDR100039680_Pure Water Monterey Groundwater Replenishment Project	GRRP	2250	0	2023
23	CENTRAL COAST	Soquel Creek Water District	Pure Water Soquel	NPD100051630_Santa Cruz WWTP	GRRP	3000	0	2024
24	CENTRAL COAST	City of Los Olivos	Unknown	Unknown	Non-potable; Surface Water Augmentation; GRRP	112	112	2028
25	CENTRAL COAST	City of Paso Robles	WWTP	NPD100051576_Paso Robles WWTP	GRRP	3000	0	2023
26	CENTRAL COAST	Montecito Sanitary District	WWTP Upgrade	NPD100051564_Montecito SD WWTP	Unknown (likely Non-Potable)	0	49	by 2040
27	CENTRAL COAST	City of Soledad	Unknown	WDR100034559_Soledad Wastewater Treatment Plant	GRRP	180	200	2025

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
28	CENTRAL COAST	Unknown	Unknown	NPD100051554_San Simeon WWTP	Unknown (likely Non-Potable)	33.8	0	by 2030
29	LOS ANGELES	Water Replenishment District of Southern California	Water Replenishment District of Southern California	WDR100006793_Alamitos Barrier Recycled Water Project/Leo J. Vander Lans Water Treatment Fac.	GRRP	3000	0	2023
30	LOS ANGELES	Los Angeles Department of Water and Power	DPR Demonstration Facility Demonstration Project	WDR100001164_Los Angeles Glendale WWRP	DPR	1120	0	2024
31	LOS ANGELES	Water Replenishment District of Southern California	Albert Robles Center (ARC) Project	WDR100001083_San Jose Creek Water Reclamation Plant	GRRP	3360	0	by 2030
32	LOS ANGELES	Burbank Department of Water and Power	Unknown	WDR100000132_Burbank WRP	GRRP	1814	0	by 2030

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
33	LOS ANGELES	Los Angeles County Department of Public Works, City of Los Angeles Department of Water and Power, City of Los Angeles Department of Public Works	West Basin Municipal Water District	NPD100051952_Terminal Island Water Reclamation Plant	GRRP	7841	0	2023
34	LOS ANGELES	Las Virgenes - Triunfo Joint Powers Authority: Las Virgenes Municipal Water District and Triunfo Water and Sanitation District	Virgenes Municipal and Triunfo Water and Sanitation Districts	WDR100001039_Tapia WRF	SWA	2100	2700	2030
35	LOS ANGELES	Los Angeles, City of: LA Sanitation & Environment (LASAN) and LA Department of Water and Power (LA DWP)	Combo including Operation NEXT, DCT San Fernando Basin Program, and LA Aqueduct Filtration Plan	WDR100001158_Hyperion WWTP	GRRP & DPR	1680	188744	by 2030

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
36	LOS ANGELES	Oxnard, City of	Groundwater Recharge Enhancement and Treatment (GREAT) Program - Phases 2 and 3	WDR100000408_Oxnard WWTP	GRRP	7000	0	by 2030
37	LOS ANGELES	Metropolitan Water District of Southern California - Sanitation Districts of LA County Regional Recycled Water Project	Pure Water Southern California	NPD100051648_Joint Water Pollution Control Plant, Carson	GRRP & DPR	33600	134417	2032
38	LOS ANGELES	Ventura, City of	Ventura WaterPure	WDR100000656_Ventura WRF	Unknown (likely Non-Potable)	2464	2912	2025
39	LOS ANGELES	Santa Monica, City of	Sustainable Water Infrastructure Project (SWIP) Phase 3	SWIP Advanced Water Treatment Facility	GRRP	1120	0	by 2030

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
40	LOS ANGELES	City of Los Angeles Sanitation and Environment	Los Angeles Groundwater Replenishment Project	WDR100001153_Donald C. Tillman WWTP	GRRP	21000	0	2027
41	LOS ANGELES	West Basin Municipal Water District	West Coast Barrier	WDR100039456_Edward C. Little WRP- West Coast Basin Barrier Project - Expansion Phase III	GRRP	33	0	by 2030
42	LOS ANGELES	Unknown	Unknown	WDR100039566_Paradise Cove Mobile Home Park & Paradise Cove Beach Cafe	Unknown (likely Non-Potable)	1.32	0	by 2030
43	CENTRAL VALLEY	Riverbank, City of	Riverbank Regional Recycled Water Project - Phase I	WDR100035552_Riverbank WWTP	Non-potable	2000	4000	2027
44	CENTRAL VALLEY	Sacramento Regional County Sanitation District	Harvest Water Project	NPD100051477_Sacramento Regional WWTP	Non-potable	17500	0	2023
45	CENTRAL VALLEY	City of Colusa	City of Colusa Recycled Water System Upgrade	Unknown	Non-potable	370	0	2026

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
46	CENTRAL VALLEY (REGION 5F)	Unknown	improve irrigation system to upgrade, to more	WDR100028709_Fresno Cnty #44-D Monte Verdi Estates WWTF	Non-potable	36	0	2023
47	CENTRAL VALLEY	Unknown	Chicken Ranch	Chicken Ranch Rancheria New WRF	Non-potable	116	68	by 2030
48	CENTRAL VALLEY (REGION 5F)	Unknown	City of Clovis	Clovis Sewage Treatment and Water Reuse Facility	Non-potable	0	3138	by 2040
49	CENTRAL VALLEY (5F)	City of Porterville	Unknown	Unknown	Non-potable	345	0	by 2030
50	CENTRAL VALLEY (REGION 5F)	Unknown	Greenfield development project, project expands as develop	WDR100034356_Tesoro Viejo Wastewater Treatment Plant	Non-potable	750	0	2023
51	CENTRAL VALLEY (REGION 5R)	Unknown	not named	WDR100035975_Stillwater WWTP Reclamation	Non-potable	1800	0	2028
52	CENTRAL VALLEY (REGION 5R)	Unknown	Unknown	NPD100051552_Grizzly Ranch CSD	Non-potable	2	0	2023
53	CENTRAL VALLEY (REGION 5S)	Unknown	Unknown	WDR100033942_Tracy WWTP	Unknown (likely Non-Potable)	4080	0	by 2030

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
54	CENTRAL VALLEY (REGION 5S)	Unknown	Unknown	NPD100051591_Brentwood WWTP	Unknown (likely Non-Potable)	500	0	by 2030
55	CENTRAL VALLEY (REGION 5S)	Unknown	Spring Lake Recycled Water Project	NPD100051543_Woodland Water Pollution Control Facility	Non-potable	120	0	2024
56	LAHONTAN	Unknown	Unknown	WDR100033952_Mammoth CWD STP	Unknown (likely Non-Potable)	3248	0	by 2030
57	LAHONTAN	Palmdale Water District	Palmdale Regional Water Augmentation Program	WDR100030237_Palmdale Water Reclamation Plant	GRRP	5604	0	2028
58	LAHONTAN	Unknown	Mobile Home Park	WDR100030626_Los Ranchos MHP	Direct Potable Reuse; non-potable	22.5	0	2024
59	LAHONTAN	Unknown	Unknown	WDR100026851_Adelanto WWTP	Unknown (likely Non-Potable)	0	0	Unknown (pending recycled water users)
60	LAHONTAN	Unknown	Unknown	WDR100036875_VVWRA Sub-Regional Plant-Apple Valley	Unknown (likely Non-Potable)	1121	0	by 2030

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
61	LAHONTAN	Unknown	New Ridgecrest WWTF	WDR100035359_Ridgecrest WTF	Not determined	800	0	2028
62	LAHONTAN	Unknown	Unknown	WDR100031398_Helendale Silverlakes STP	Unknown (likely Non-Potable)	446	0	by 2030
63	COLORADO RIVER	Unknown	WRP 7 new connections	CVWD WRP 7	Non-potable	2802	0	by 2030
64	COLORADO RIVER	Unknown	WRP 10 new connections	CVWD WRP 10	Non-potable	3362	0	by 2030
65	COLORADO RIVER	Hi- Desert WD	Unknown	WDR100031522_Hi-Desert WD Reclamation Facility	GRRP	1000	0	2026
66	COLORADO RIVER	Unknown	no name yet	NPD100051522_Valley SD WWTP	Non-potable; GRRP	6725	6725	2029
67	COLORADO RIVER	Unknown	Unknown	WDR100027202_Banning STP-Non NPDES	Unknown (likely Non-Potable)	6720.9	0	by 2030
68	COLORADO RIVER	Unknown	Unknown	WDR100033271_Alan Horton WWTP	GRRP; Non-potable	2233	565	2026

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
69	COLORADO RIVER	Unknown	Sunrise Park Recycled Water Connection Project	WDR100028656_Desert Water Agency Recycled Water Facility	Non-potable	199	0	2026
70	COLORADO RIVER	Irvine Ranch Water District	Syphon Reservoir Improvement Project	Unknown	Non-potable	5195	0	2028
71	COLORADO RIVER	Inland Empire Utilities Agency	Recycled Water Interconnection to the City of Rialto	Unknown	GRRP	3500	0	by 2030
72	COLORADO RIVER	Unknown	Unknown	NPD100051493_Imperial City WWTP	Unknown (likely Non-Potable)	10	0	by 2030
73	SANTA ANA	Inland Empire Utilities Agency	Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program	NPD100051553_IEUA Carbon Canyon WWRF	GRRP	15000	0	2028

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
74	SANTA ANA	Orange County Water District	Orange County Water District Groundwater Replenishment System	WDR100032584_Groundwater Replenishment System - Advanced WTF	GRRP	30000	0	by 2030
75	SANTA ANA	Ontario, City of	Unknown	NPD100051553_IEUA Carbon Canyon WWRF	Unknown (likely Non-Potable)	2000	0	2028
76	SANTA ANA	Ontario, City of	Unknown	NPD100051553_IEUA Carbon Canyon WWRF	Unknown (likely Non-Potable)	0	3000	by 2040
77	SANTA ANA	Eastern Municipal Water District	Purified Water Replenishment (PWR) Project	WDR100028677_Perris Valley RWRF	GRRP	4000	0	by 2030
78	SANTA ANA	East Valley Water District and San Bernardino Valley Municipal Water District	Sterling Natural Resource Center Groundwater Replenishment Project	NPD100051499_Margaret H Chandler WWRF	GRRP	5604	0	2024
79	SANTA ANA	Yucaipa Valley Water District	Recycled Pure - Yucaipa Valley	NPD100051607_Henry N. Wochholz WWRF	GRRP	2500	1000	2026

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
80	SANTA ANA	Unknown	Unknown	NPD100051521_WRCRWA Regional WWRF	Unknown (likely Non-Potable)	2000	0	by 2030
81	SANTA ANA	Unknown	Unknown	NPD100051619_EVMWD Regional WWRF	Unknown (likely Non-Potable)	6638.13	0	by 2030
82	SANTA ANA	Unknown	Salt Mitigation Expansion Project	NPD100051636_Beaumont WWTP No. 1	Non-potable; GRRP	2000	0	2029
83	SANTA ANA	Unknown	Unknown	WDR100028325_EVMWD Horsethief Canyon WWTP	Unknown (likely Non-Potable)	200	0	by 2030
84	SAN DIEGO	East County Advanced Water Purification Joint Powers Authority: Padre Dam, City of El Cajon, County of San Diego, and Helix Water District	East County Advanced Water Purification	WDR100032406_Ray Stoyer Water Recycling Facility	SWA	12882	0	2026

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
85	SAN DIEGO	Escondido, City of	Escondido	WDR100028566_Hale Avenue Resource Recovery Facility (HARRF) Recycled Water	Non-potable	2400	0	2023
86	SAN DIEGO	Fallbrook Public Utilities District (FPUD) / Camp Pendleton (CPEN)	Unknown	WDR100028880_Fallbrook Water Reclamation Plant and WDR100026775_Southern Regional Tertiary Treatment Plant	GRRP	2060	0	by 2030
87	SAN DIEGO	Moulton Niguel Water District	Unknown	WDR100035244_SOCWA - Regional TP	DPR	3000	0	by 2030
88	SAN DIEGO	Olivenahin Municipal Water District	Unknown	WDR100032324_4-S Ranch WRF	GRRP	560	0	by 2030
89	SAN DIEGO	Oceanside, City of	Pure Water Oceanside	WDR100032206_San Luis Rey Water Reclamation Facility - Recycled Water and Pure Water	GRRP	5060	0	2022
90	SAN DIEGO	San Diego, City of	Pure Water San Diego, Phase 1	WDR100035946_North City WRP	SWA	33604	0	2025

Sequence No.	Regional Board	Project Lead Agency	Project Name	WWTP Producing RW Water	Type of Project*	2023- 2030 Volume Increase Projection (AFY)	2030-2040 Volume Increase Projection (AFY)	Estimated Operation Start Year
91	SAN DIEGO	San Diego, City of	Pure Water San Diego, Phase 2	WDR100035946_North City WRP	SWA or DPR	0	59368	by 2040
92	SAN DIEGO	Rancho California Water District	IPR Project Name is Small Scale IPR: Non-potable = recycled water accelerated retrofit program	WDR100032821_Santa Rosa WRF-Recycled WTR	GRRP	267	0	2023
93	SAN DIEGO	Santa Fe ID/ San Dieguito WD/ San Elijo JPA Regional Recycled Water Project	Regional Recycled Water Project	WDR100035075_San Elijo Water Reclamation Facility	SWA	1000	0	2030
94	SAN DIEGO	Santa Margarita Water District	Unknown	NPD100051861_Latham WWP	Unknown (likely Non-Potable)	7000	0	by 2030
95	SAN DIEGO	Unknown	San Diego	WDR100032629_San Vicente Wastewater Treatment Plant	Non-potable	200	0	2025
TOTAL						312,890	427,671	