

**Table 1. CUWA Agencies' Compiled Population Served and Urban Potable Demands  
(based on 2015 UWMPs)**

Year	Total Population Served by CUWA Agencies	All CUWA Agencies <sup>a</sup>		Retail CUWA Agencies <sup>b</sup>	
		Population Served	Urban (M&I) Potable Demand (AFY)	Population Served	Retail GPCD
1990	20,247,947	19,464,463	4,341,399	7,340,296	177.2
1991	20,455,460	19,665,121		7,403,408	157.4
1992	20,693,984	19,913,993		7,490,571	150.1
1993	20,923,737	20,138,537		7,562,020	152.9
1994	21,097,006	20,302,523		7,597,307	152.9
1995	21,236,488	20,438,327	3,904,374	7,600,805	153.7
1996	21,502,449	20,704,007		7,646,507	158.2
1997	21,790,869	20,982,753		7,714,026	164.1
1998	22,090,554	21,274,729		7,800,304	154.5
1999	22,429,528	21,606,696		7,899,749	160.5
2000	22,777,027	21,945,595	4,579,846	8,016,350	164.8
2001	23,073,080	22,226,763		8,074,184	164.0
2002	23,350,436	22,498,535		8,119,969	163.8
2003	23,613,191	22,766,384		8,154,523	160.4
2004	23,883,004	23,032,559		8,181,910	164.1
2005	24,197,216	23,352,577	4,499,376	8,190,425	152.9
2006	24,330,127	23,487,993		8,203,639	153.2
2007	24,439,083	23,588,367		8,219,334	157.6
2008	24,567,901	23,712,623		8,256,123	153.1
2009	24,690,506	23,830,026		8,284,196	142.9
2010	24,846,896	23,980,416	4,022,314	8,319,659	132.2
2011	24,933,394	24,073,995		8,364,542	129.3
2012	25,003,035	24,141,650		8,424,611	130.2
2013	25,080,273	24,216,167		8,498,527	134.3
2014	25,203,553	24,329,138		8,566,027	128.8
2015	25,342,054	24,447,105	3,575,393	8,662,483	114.2
2016	25,549,625	24,650,563		8,763,628	110.1
2020	26,316,490	25,386,867	4,267,498	8,990,381	123.9
2025	27,280,106	26,317,809	4,420,689	9,307,389	128.3
2030	28,255,462	27,259,893	4,515,244	9,619,513	127.6
2035	29,200,717	28,169,285	4,611,234	10,048,596	126.0

<sup>a</sup> Excludes part of SFPUC's wholesale service area

<sup>b</sup> Includes: ACWD, CCWD (retail [treated water] service area only), EBMUD, Fresno, LADWP, San Diego (retail service area only), and SFPUC (retail service area only).

**Table 2. CUWA Agencies' Compiled Supplies (based on 2015 UWMPs), in AFY**

Year	Supply Basis	Project Imported Water	Groundwater	Local Surface Water/ Storage	Water Transfers or Exchanges	Urban Stormwater Capture	Desalinated Water Supply	Recycled Water Supply, Non-Potable	Potable Reuse Supply	Total Supply <sup>a</sup>	Conceptual Reuse Projections (beyond UWMPs)
1990	Yield	3,631,949	1,280,217	210,597	87,747	-	7,892	104,727	-	<b>5,323,128</b>	-
1995		2,247,824	1,423,777	373,151	248,331	-	12,005	138,853	-	<b>4,443,941</b>	-
2000		3,670,082	1,415,305	272,315	226,207	-	34,918	186,058	-	<b>5,804,886</b>	-
2005		3,083,871	1,228,292	177,894	344,744	-	85,758	195,689	-	<b>5,116,247</b>	-
2010		2,275,801	1,380,837	242,903	828,667	-	88,088	328,685	-	<b>5,144,981</b>	-
2015		2,172,974	1,173,464	80,697	522,007	197,941	100,631	256,309	162,641	<b>4,666,664</b>	-
2020	Normal Year Projections	2,763,052	1,462,225	198,351	646,663	63,080	173,916	343,302	189,891	<b>5,840,481</b>	14,717
2025		2,850,895	1,460,786	205,564	649,196	65,480	190,282	395,116	230,143	<b>6,047,461</b>	90,355
2030		2,915,859	1,460,426	213,196	655,689	69,880	194,166	434,363	232,150	<b>6,175,730</b>	273,898
2035		2,978,847	1,472,918	217,080	655,653	77,280	195,962	454,423	232,150	<b>6,284,313</b>	336,026

<sup>a</sup> Normal year supplies exceed demands due to management practices (storage and carryover) to support dry year supply needs, including environmental flows.

**Table 3. Summary of Estimated CUWA Agencies' Water Supply Reliability Investments from 1990 to mid-2017 (August 2017)**

Note: Investments summarized in this table do not reflect total project/program costs. Rather, the numbers shown in this table represent CUWA agencies' direct investments. Other retail agencies within CUWA wholesale service areas have invested additional funds in conservation programs, supply diversification, and system reliability.

	<p><b>Water Conservation/Water Use Efficiency (WUE) Programs and Supply Diversification Capital Projects/Programs -</b>                      (a) Cost of implementing water conservation/WUE programs, and/or wholesaler support of retail conservation programs; and                      (b) Capital costs related to groundwater, water banks &amp; transfers, recycled water, ocean/brackish desalination, and other local supplies.</p> <p>Including: (a) Capital and operating costs related to conservation/WUE programs; CUWA wholesale agency support to their retailers' conservation/WUE programs.                      (b) Capital costs related to supply diversification programs; water purchase costs related to ag to urban water use efficiency programs; CUWA wholesale agency support to their retailers' supply diversification capital projects.</p> <p>Not including: (a) Investments made by individual retail water agencies that are not CUWA members; grant funds or other external funding sources.                      (e.g., MWDSC, SDCWA, SCVWD, and Zone 7's investments for their retailers' programs are included, but the individual retailers' investments are not included.)                      (b) Short-term transfers; O&amp;M costs related to supply diversification; investments made by individual retail water agencies that are not CUWA members; grant funds or other external funding sources.</p>	<p><b>System Reliability -</b>                      Capital costs related to storage, interties, treatment, and asset management.</p> <p>Including: Capital costs related to system reliability projects; CUWA wholesale agency support to their retailers' system reliability projects.</p> <p>Not including: O&amp;M costs related to system reliability; investments made by individual retail water agencies that are not CUWA members; grant funds or other external funding sources.</p>	<p><b>TOTAL</b></p>
<p><b>Investment since 1990</b></p>	<p><b>\$ 6,726,696,891</b></p>	<p><b>\$ 24,892,409,072</b></p>	<p><b>\$ 31,619,105,962</b></p>

**Table 4. Unit Costs of Various Supply Sources, in 2017 dollars per AF**

Supply Source	Cost Range (\$/AF)		Sources
	Low	High	
Groundwater	\$ 350	\$ 1,512	ACWD, CCWD, Fresno, LADWP, SDPUD, SFPUC
Advanced Purified Water (Potable Reuse)	\$ 1,543	\$ 2,500	SCVWD, SDPUD, Zone 7
Recycled Water (Non-potable)	\$ 514	\$ 8,275	CCWD, Fresno, LADWP, MWD, SCVWD, SDPUD, SFPUC, Zone 7
Urban Stormwater	\$ 100	\$ 15,000	LADWP, MWD, SCVWD
Local Storage	\$ 965	\$ 5,000	Fresno, SCVWD, SDPUD
Desalination	\$ 514	\$ 3,086	ACWD, CCWD, MWD, SDCWA, SDPUD, SFPUC, Zone 7
Transfers and Exchanges	\$ 500	\$ 1,841	CCWD, EBMUD, SCVWD, SFPUC