



N. Greater Los Angeles County Detailed Supply Calculations

The detailed supply calculations tables that follow were used to develop the supply numbers cited in Appendix E GLAC IRWMP Water Supply Objectives and Targets.

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Summary Retail Supply Table

Supply Summary (AF)						
	2010	2015	2020	2025	2030	2035
GW	269,654	273,989	274,846	275,208	275,673	276,291
IW	116,561	106,931	106,656	100,511	98,852	92,137
RW	29,606	42,670	44,695	47,620	48,745	49,870
Local Surface Water	-	-	-	-	-	-
Conser	327	567	1,090	1,614	2,137	2,575
Water Trans	-	1,600	1,600	1,600	1,600	1,600
SW Capture & Reuse	-	80	240	400	640	1,000
Desal	-	-	-	5,000	5,000	10,000
Total Supply	416,148	425,837	429,127	431,953	432,647	433,473
Total Demand	348,212	378,941	387,490	396,401	398,703	400,916

Summary Replenishment Supply Table

	2010	2015	2020	2025	2030	2035
Imported Water	23,000	23,000	23,000	23,000	23,000	23,000
Recycled Water	41,000	41,000	41,000	41,000	41,000	41,000
Stormwater	52,000	52,000	52,000	52,000	52,000	52,000
Total	116,000	116,000	116,000	116,000	116,000	116,000

Los Angeles

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	11,766	15,000	15,000	15,000	15,000	15,000	LADWP 2010 UWMP
IW	9,688	(2,225)	(2,245)	(2,810)	(3,374)	(4,613)	Exhibit 6G, Central Basin
RW	50	9,570	10,395	11,220	12,045	12,870	Demand-Local Supply
Local Surface Water	-	-	-	-	-	-	Exhibit 4F, 4M (Irrigation, Commercial, Industrial)
Conser	327	567	1,090	1,614	2,137	2,575	Area percentage applied
Water Trans	-	1,600	1,600	1,600	1,600	1,600	Area percentage applied
SW Capture & Reuse	-	80	240	400	640	1,000	Area percentage applied
Desal	-	-	-	-	-	-	
Total Supply	21,831	24,592	26,080	27,024	28,048	28,432	
Total Demand	21,831	24,592	26,080	27,024	28,048	28,432	Area percentage applied

Los Angeles (100%) - Percentage area applied.

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	76,982	40,500	96,300	111,500	111,500	110,405	LADWP 2010 UWMP
IW	463,614	540,120	508,040	481,760	484,781	477,027	Exhibit ES-R
RW	6,703	20,000	20,400	27,000	29,000	29,000	Exhibit ES-R (Includes LA Aqueduct and MWD supplies)
Local Surface Water	-	-	-	-	-	-	Exhibit 4J, Exhibit 4L
Conser	8,178	14,180	27,260	40,340	53,419	64,368	Exhibit ES-R
Water Trans	-	40,000	40,000	40,000	40,000	40,000	Exhibit ES-R
SW Capture & Reuse	-	2,000	6,000	10,000	16,000	25,000	Exhibit ES-R
Desal	-	-	-	-	-	-	
Total Supply	555,477	656,800	698,000	710,600	734,700	745,800	
Total Demand	545,771	614,800	652,000	675,600	701,200	710,800	Exhibit 2J, Demand Forecast with Passive and Active Water Conservation

Long Beach

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	34,655	33,000	33,500	34,000	34,500	35,000	Long Beach 2010 UWMP
IW	22,237	24,520	24,046	18,551	17,477	11,929	Table 16
RW	6,556	10,100	11,300	13,400	13,700	14,000	Table 16
Local Surface Water	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Capture & Reuse	-	-	-	-	-	-	
Desal	-	-	-	5,000	5,000	10,000	Table 16
Total Supply	63,448	67,620	68,846	70,951	70,677	70,929	
Total Demand	54,128	55,219	55,244	55,249	54,698	54,652	Table 11, Total water deliveries

Fullerton

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	17,273	20,029	20,386	20,248	20,213	20,331	Fullerton 2010 UWMP
IW	12,276	12,276	12,495	12,410	12,389	12,461	Table 2-9
RW	-	-	-	-	-	-	Table 2-9
Local Surface Water	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Capture & Reuse	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Total Supply	29,549	32,305	32,881	32,658	32,602	32,792	
Total Demand	27,860	32,305	32,881	32,658	32,602	32,792	Table 2-4+ Table 2-5

Central Basin MWD

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	205,960	205,960	205,960	205,960	205,960	205,960	Central Basin 2010 UWMP
IW	72,360	72,360	72,360	72,360	72,360	72,360	Table 3-1
RW	23,000	23,000	23,000	23,000	23,000	23,000	Table 3-1
Local Surface Water	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Capture & Reuse	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Total Supply	301,320	301,320	301,320	301,320	301,320	301,320	
Total Demand	244,393	266,825	273,285	281,470	283,355	285,040	Table 2-4

Summary Retail Supply Table

Supply Summary (AF)						
	2010	2015	2020	2025	2030	2035
GW	195	188	188	188	188	188
IW	35,202	43,233	43,184	44,410	48,214	46,716
RW	5,439	5,545	6,690	7,836	8,981	9,211
SurfW	-	-	-	-	-	-
Desal	-	-	-	-	-	-
Conser	-	-	-	-	-	-
Water Trans	-	-	-	-	-	-
SW Reuse	-	-	-	-	-	-
Total	40,836	48,965	50,062	52,434	57,383	56,115
Demand	40,836	42,218	39,701	40,771	44,427	42,782

Las Virgenes (87% in NSMB)

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	195	188	188	188	188	188	Las Virgenes 2010 UWMP
IW	18,454	23,153	23,962	24,780	25,561	26,306	Area percentage applied
RW	3,934	4,244	5,381	6,519	7,656	7,884	Area percentage applied
SurfW							
Desal							
Conser							
Water Trans							
SW Reuse							
Total	22,583	27,585	29,530	31,487	33,405	34,378	
Demand	22,583	20,837	19,170	19,825	20,448	21,045	Area percentage applied

Malibu

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW							LA County Waterworks No. 29 2010 UWMP
IW	5,355	7,176	7,056	7,428	10,421	8,142	Population percentage applied
RW							
SurfW							
Desal							
Conser							
Water Trans							
SW Reuse							
Total	5,355	7,176	7,056	7,428	10,421	8,142	
Demand	5,355	7,176	7,056	7,428	10,421	8,142	Equal to imported supply projections

California Water Services Co. Westlake

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW							California Water Services, Westlake, 2010 UWMP
IW	7,633	8,416	7,497	7,532	7,563	7,598	Table 5.2-4
RW	419	421	422	424	425	427	Table 5.2-4
SurfW							
Desal							
Conser							
Water Trans							
SW Reuse							
Total	8,052	8,837	7,919	7,956	7,988	8,025	
Demand	8,052	8,837	7,919	7,956	7,988	8,025	Table 5.2-4

Las Virgenes (100%)

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	224	216	216	216	216	216	Las Virgenes 2010 UWMP
IW	21,212	26,613	27,542	28,483	29,380	30,237	Table 3.1, Table 3.2
RW	4,522	4,878	6,185	7,493	8,800	9,062	Table 4.4
SurfW							
Desal							
Conser							
Water Trans							
SW Reuse							
Total	25,958	31,707	33,943	36,192	38,396	39,515	
Demand	25,958	23,951	22,034	22,787	23,504	24,190	Table ES.2

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
IW	8289	11293	11220	11922	12608	13266	LA County Waterworks No. 29 2010 UWMP
Population Proportions							
Non-MDRcy	20174	20977	22194	23365	24514	25611	Table 1.3
Total Pop. Regl	31229	33011	35293	37502	29660	41729	Table 1.3
	65%	64%	63%	62%	83%	61%	

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Lake Sherwood

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW							<i>Calleguas MWD 2010 UWMP - Lake Sherwood</i>
IW	1,203	1,387	1,570	1,570	1,570	1,570	<i>Appendix C, Table 10</i>
RW	300	300	300	300	300	300	<i>Appendix C, Table 10</i>
SurfW							
Desal							
Conser							
Water Trans							
SW Reuse							
Total	1,503	1,687	1,870	1,870	1,870	1,870	
Demand	1,503	1,687	1,870	1,870	1,870	1,870	<i>Appendix C, Table 10</i>

Triunfo Sanitation District

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW							<i>Triunfo Sanitation District 2010 UWMP</i>
IW	2,557	3,100	3,100	3,100	3,100	3,100	<i>Table 4.1.1</i>
RW	786	580	587	593	600	600	<i>Table 4.1.1</i>
SurfW							
Desal							
Conser							
Water Trans							
SW Reuse							
Total	3,343	3,680	3,687	3,693	3,700	3,700	
Demand	3,343	3,680	3,687	3,693	3,700	3,700	<i>Table 4.1.1</i>

Summary Retail Supply Table

Supply Summary (AF)						
	2010	2015	2020	2025	2030	2035
GW	89,773	52,306	108,106	123,306	119,206	122,211
IW	285,670	336,385	289,948	278,272	285,974	276,774
RW	12,898	17,719	21,009	22,432	23,854	25,140
Desal	-	-	-	-	-	-
Local Surface Water	952	952	952	952	952	952
Conserv	4,743	9,224	17,811	25,789	33,583	40,081
Stormwater Capture at	-	1,160	3,480	5,800	9,280	14,500
Water Transfer	-	23,200	23,451	23,451	23,451	23,451
Total Supply	394,036	440,946	464,757	480,001	496,299	503,109
Total Demand	393,727	439,111	462,331	477,376	493,481	500,228

Glendale

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	9,788	11,656	11,656	11,656	11,656	11,656	Glendale 2010 UWMP
IW	16,550	17,620	17,755	17,890	18,025	18,162	Table 3-3
RW	1,662	1,662	1,662	1,662	1,662	1,662	Table 3-3
Desal	-	-	-	-	-	-	
Local Surface Water	-	-	-	-	-	-	
Conserv	-	-	-	-	-	-	
Stormwater Capture at	-	-	-	-	-	-	
Water Transfer	-	-	-	-	-	-	
Total Supply	28,000	30,938	31,073	31,208	31,343	31,480	
Total Demand	27,691	30,110	30,196	30,326	30,460	30,591	Table 2-1, Table 2-4

Foothill MWD (Crescenta, La Canada ID, Lincoln Ave Water Co, Mesa Crest Water Co, Valley Water Co)

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	-	-	-	-	-	-	
IW	8,813	9,696	10,246	10,523	10,806	11,105	Difference of Demand and RW
RW	104	120	120	120	120	120	Assumes all RW in ULAR
Desal	-	-	-	-	-	-	
Local Surface Water	-	-	-	-	-	-	
Conserv	-	-	-	-	-	-	
Stormwater Capture at	-	-	-	-	-	-	
Water Transfer	-	-	-	-	-	-	
Total Supply	8,917	9,816	10,366	10,643	10,926	11,225	
Total Demand	8,917	9,816	10,366	10,643	10,926	11,225	Table 2-3

Burbank

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	9,917	11,000	11,000	11,000	11,000	11,000	Table 4-2
IW	9,886	8,850	7,981	8,441	8,979	9,491	Table 4-2
RW	2,010	3,660	5,160	5,160	5,160	5,160	Table 4-2
Desal	-	-	-	-	-	-	
Local Surface Water	-	-	-	-	-	-	
Conserv	-	-	-	-	-	-	
Stormwater Capture at	-	-	-	-	-	-	
Water Transfer	-	-	-	-	-	-	
Total Supply	21,813	23,510	24,141	24,601	25,139	25,651	
Total Demand	21,813	23,511	24,141	24,601	25,139	25,651	Table 3-10

Summary Replenishment Supply Table

Replenishment Supply						
	2010	2015	2020	2025	2030	2035
IW	2,034	2,100	500	300	200	100
RW	-	-	-	15,000	22,500	30,000
SW	32,952	32,952	35,203	37,203	41,203	48,203
	34,986	35,052	35,703	52,503	63,903	78,303

LADWP

Replenishment Supply							Source
	2010	2015	2020	2025	2030	2035	
IW	-	-	-	-	-	-	LADWP 2010 UWMP
RW	-	-	-	15,000	22,500	30,000	Exhibit 11E
SW	-	-	2,000	4,000	8,000	15,000	Exhibit 11E

40% Pasadena

Replenishment Supply							Source
	2010	2015	2020	2025	2030	2035	
IW							Pasadena 2010 UWMP
RW							
SW	2,380	2,380	3,007	3,007	3,007	3,007	Table ES-1 - Included under diversions + average spreading in section 4.3.3

Burbank

Replenishment Supply							Source
	2010	2015	2020	2025	2030	2035	
IW	2,034	2,100	500	300	200	100	Burbank 2010 UWMP
RW							Table 3-11
SW							

LA County Flood Control District

Replenishment Supply							Source
	2010	2015	2020	2025	2030	2035	
IW	-	-	-	-	-	-	
RW	-	-	-	-	-	-	
SW	32,000	32,000	32,000	32,000	32,000	32,000	ULARA Watermaster Report, 2009/2010 water year

Pasadena							Source
Supply Summary (AF)	2010	2015	2020	2025	2030	2035	Pasadena 2010 UWMP
GW	4,822	4,122	4,122	4,122	4,122	4,122	Area percentage applied
IW	9,610	9,450	8,460	8,460	8,460	8,460	Area percentage applied
RW	-	452	820	820	820	820	Area percentage applied
Desal	-	-	-	-	-	-	Area percentage applied
Local Surface Water	952	952	952	952	952	952	
Conserv	-	1,000	2,000	2,392	2,600	2,748	Area percentage applied
Stormwater Capture at	-	-	-	-	-	-	
Water Transfer	-	-	251	251	251	251	Area percentage applied
Total Supply	15,384	15,976	16,604	16,996	17,204	17,352	
Total Demand	15,384	15,976	16,604	16,996	17,204	17,352	Area percentage applied

Los Angeles							Source
Supply Summary (AF)	2010	2015	2020	2025	2030	2035	LADWP 2010 UWMP
GW	65,216	25,500	81,300	96,500	92,400	95,405	Exhibit 6G, San Fernando+Sylmar
IW	238,054	287,309	241,926	229,255	235,885	225,626	Demand-Local Supply
RW	8,534	11,191	12,443	13,696	14,948	16,200	Exhibit 4G+4H, 4N+4O, 4Q(Irrigation, Industrial)
Desal	-	-	-	-	-	-	
Local Surface Water	-	-	-	-	-	-	
Conserv	4,743	8,224	15,811	23,397	30,983	37,333	Area percentage applied
Stormwater Capture at	-	1,160	3,480	5,800	9,280	14,500	Area percentage applied
Water Transfer	-	23,200	23,200	23,200	23,200	23,200	Area percentage applied
Total Supply	316,547	356,584	378,160	391,848	406,696	412,264	
Total Demand	316,547	356,584	378,160	391,848	406,696	412,264	Area percentage applied

Las Virgenes (13%)							Source
Supply Summary (AF)	2010	2015	2020	2025	2030	2035	Las Virgenes 2010 UWMP
GW	29	28	28	28	28	28	Area percentage applied
IW	2,758	3,460	3,580	3,703	3,819	3,931	Area percentage applied
RW	588	634	804	974	1,144	1,178	Area percentage applied
Desal	-	-	-	-	-	-	
Local Surface Water	-	-	-	-	-	-	
Conserv	-	-	-	-	-	-	
Stormwater Capture at	-	-	-	-	-	-	
Water Transfer	-	-	-	-	-	-	
Total Supply	3,375	4,122	4,413	4,705	4,991	5,137	
Total Demand	3,375	3,114	2,864	2,962	3,056	3,145	Area percentage applied

Pasadena (100%)							Source
Supply Summary (AF)	2010	2015	2020	2025	2030	2035	Pasadena 2010 UWMP
GW	12,056	10,304	10,304	10,304	10,304	10,304	Table ES-1
IW	24,024	23,626	21,149	21,149	21,149	21,149	Table ES-1
RW	-	1,130	2,050	2,050	2,050	2,050	Table ES-1
SurfW	2,380	2,380	2,380	2,380	2,380	2,380	Table ES-1
Desal	-	-	-	-	-	-	
Conser	-	2,500	5,000	5,980	6,500	6,870	Table ES-1
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	627	627	627	627	Table ES-1
Total	38,460	39,940	41,510	42,490	43,010	43,380	
Demand	38,460	39,940	41,510	42,490	43,010	43,380	Table ES-1

Los Angeles (100%) - Percentage area applied to demand only. Supply numbers received via email from LADWP.							Source
Supply Summary (AF)	2010	2015	2020	2025	2030	2035	LADWP 2010 UWMP
GW	76,982	40,500	96,300	111,500	111,500	110,405	Exhibit ES-R
IW	463,614	540,120	508,040	481,760	484,781	477,027	Exhibit ES-R (Includes LA Aqueduct and MWD supplies)
RW	9,623	20,000	20,400	27,000	29,000	29,000	Exhibit 4J, Exhibit 4L
Desal	-	-	-	-	-	-	
Local Surface Water	-	-	-	-	-	-	
Conserv	8,178	14,180	27,260	40,340	53,419	64,368	Exhibit ES-R
Stormwater Capture	-	2,000	6,000	10,000	16,000	25,000	Exhibit ES-R
Water Transfer	-	40,000	40,000	40,000	40,000	40,000	Exhibit ES-R
Total	558,397	656,800	698,000	710,600	734,700	745,800	
Demand	545,771	614,800	652,000	675,600	701,200	710,800	Exhibit 2J, Demand Forecast with Passive and Active Water Conservation

Las Virgenes (100%)							Source
Supply Summary (AF)	2010	2015	2020	2025	2030	2035	Las Virgenes 2010 UWMP
GW	224	216	216	216	216	216	Table 3.1, Table 3.2
IW	21,212	26,613	27,542	28,483	29,380	30,237	Table 3.3
RW	4,522	4,878	6,185	7,493	8,800	9,062	Table 4.4
SurfW	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	25,958	31,707	33,943	36,192	38,396	39,515	
Demand	25,958	23,951	22,034	22,787	23,504	24,190	Table ES.2

Summary Retail Supply Table

Retail Supply & Demand Summary (AF)						
	2010	2015	2020	2025	2030	2035
Groundwater Pumping	199,376	207,696	217,764	218,766	221,376	222,609
Imported Water	101,350	120,442	118,371	121,568	125,114	126,887
Recycled Water (NPR)	8,738	12,356	15,621	17,217	18,903	20,572
Local Surface Water	13,212	18,380	18,341	18,341	18,341	18,341
Desalination	-	-	-	-	-	-
Conservation	19,199	22,691	24,718	27,563	30,016	32,258
Water Transfer	(34)	-	-	-	-	-
Stormwater Capture and Reuse	1,428	1,428	-	-	-	-
Total	343,269	382,993	394,816	403,456	413,751	420,668
Demand	305,513	325,122	341,951	349,647	357,392	363,856

Pasadena (60%)

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	7,234	6,182	6,182	6,182	6,182	6,182	<i>Area percentage applied</i>
IW	14,414	14,176	12,689	12,689	12,689	12,689	<i>Area percentage applied</i>
RW	-	678	1,230	1,230	1,230	1,230	<i>Area percentage applied</i>
SurfW	1,428	1,428	1,428	1,428	1,428	1,428	<i>Area percentage applied</i>
Desal	-	-	-	-	-	-	
Conser	-	1,500	3,000	3,588	3,900	4,122	<i>Area percentage applied</i>
Water Trans	-	-	-	-	-	-	
SW Recharge	1,428	1,428	-	-	-	-	<i>Included under replenishment supply</i>
Total	24,504	25,392	24,530	25,118	25,430	25,652	
Demand	23,076	23,964	24,906	25,494	25,806	26,028	<i>Area percentage applied</i>

59%

Foothill MWD (Las Flores WC, Rubio Canon Land-Water Assoc, Kinneloa ID)

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	-	-	-	-	-	-	
IW	1,170	1,478	1,293	1,363	1,436	1,510	<i>Equal to demand</i>
RW	-	-	-	-	-	-	
SurfW	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	1,170	1,478	1,293	1,363	1,436	1,510	
Demand	1,170	1,478	1,293	1,363	1,436	1,510	<i>Table 2-3</i>

100%

South Pasadena

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	4,713	1,768	4,261	4,283	4,304	4,325	<i>Table 5</i>
IW	25	15	15	15	15	15	<i>Table 5</i>
RW	-	-	-	-	-	-	
SurfW	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	4,738	1,783	4,276	4,298	4,319	4,340	
Demand	4,738	4,777	4,276	4,298	4,319	4,340	<i>Table 8</i>

Summary Replenishment Supply Table

Replenishment Supply (AF)							
	2010	2015	2020	2025	2030	2035	
IW	32,775	38,015	31,255	34,255	38,255	38,255	
RW	-	-	5,000	5,000	10,000	10,000	
SW (MSGB)	110,000	110,000	110,000	110,000	110,000	110,000	LA County Hydrologic Reports
SW (Raymond)	1,428	1,428	1,804	1,804	1,804	1,804	
Total	144,203	149,443	148,059	151,059	160,059	160,059	
USGVMWD (replenishment)	2010	2015	2020	2025	2030	2035	USGVMWD 2010 UWMP
IW for recharge	21000	25000	16000	19000	23000	23000	Table 6
RW for recharge	0	0	5000	5000	10000	10000	Table 6
TVMWD (replenishment)	2010	2015	2020	2025	2030	2035	TVMWD 2010 UWMP
IW for recharge	5000	5000	6000	6000	6000	6000	Table 3-4
SGVMWD (replenishment)	2010	2015	2020	2025	2030	2035	SGVMWD 2010 UWMP
IW for recharge	6775	8015	9255	9255	9255	9255	Table 5

Pasadena (100%)

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	12,056	10,304	10,304	10,304	10,304	10,304	<i>Pasadena 2010 UWMP</i>
IW	24,024	23,626	21,149	21,149	21,149	21,149	<i>Table ES-1</i>
RW	-	1,130	2,050	2,050	2,050	2,050	<i>Table ES-1</i>
Surface Water use	2,380	2,380	2,380	2,380	2,380	2,380	<i>Table ES-1</i>
Desal	-	-	-	-	-	-	
Conser	-	2,500	5,000	5,980	6,500	6,870	<i>Table ES-1</i>
Water Trans	-	-	-	-	-	-	
Surface Water Recharge	2,380	2,380	3,007	3,007	3,007	3,007	<i>Table ES-1 - Included under recharge</i>
Total	40,840	42,320	43,890	44,870	45,390	45,760	
Demand	38,460	39,940	41,510	42,490	43,010	43,380	<i>Table ES-1</i>

Alhambra							Source
Supply Summary (AF)							Alhambra 2010 UWMP
	2010	2015	2020	2025	2030	2035	
GW	15,650	15,650	16,375	16,375	17,900	17,900	Table 13
IW	3,000	3,000	3,000	3,000	3,000	3,000	Table 13
RW	-	-	-	-	-	-	
SurfW	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	18,650	18,650	19,375	19,375	20,900	20,900	
Demand	10,423	11,407	13,250	13,450	13,450	13,450	Table 8, Table 9, Table 10, Table 11

California American Water Co. (not including Baldwin Hills)							Source
Supply Summary (AF)							CalAm 2010 UWMP
	2010	2015	2020	2025	2030	2035	
GW	15,886	16,102	16,102	16,102	16,102	16,102	Table 4-1
IW	937	3,944	3,024	3,516	3,990	3,990	Table 4-1
RW	-	-	-	-	-	-	
SurfW	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	16823	20046	19126	19618	20092	20092	
Demand	15514	18410	17490	17982	18457	18932	Table 3-2

San Gabriel County WD							Source
Supply Summary (AF)							San Gabriel County WD 2010 UWMP
	2010	2015	2020	2025	2030	2035	
GW	6,378	7,612	7,348	7,561	7,767	7,973	Table 20
IW	-	-	-	-	-	-	
RW	-	-	-	-	-	-	
SurfW	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	6,378	7,612	7,348	7,561	7,767	7,973	
Demand	6,378	7,612	7,348	7,561	7,767	7,973	Table 7

San Gabriel Valley Water Co.							Source
Supply Summary (AF)							San Gabriel Valley Water Co. 2010 UWMP
	2010	2015	2020	2025	2030	2035	
GW	35,461	34,961	43,223	44,212	44,950	45,688	Table 9
IW	-	-	-	-	-	-	
RW	2,015	3,000	4,500	5,000	6,000	7,000	Table 9
SurfW	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	37,476	37,961	47,723	49,212	50,950	52,688	
Demand	37,476	37,961	47,723	49,212	50,950	52,688	Table 7, Table 8

Arcadia							Source
Supply Summary (AF)							Arcadia 2010 UWMP
	2010	2015	2020	2025	2030	2035	
GW	15,512	16,452	14,586	14,508	14,772	15,036	Table 9
IW	-	-	-	-	-	-	
RW	-	-	300	644	644	644	Table 9
SurfW	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	15,512	16,452	14,886	15,152	15,416	15,680	
Demand	15,798	16,475	14,909	15,173	15,438	15,702	Table 13

Azusa Light and Water

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	16,487	24,350	24,350	24,350	24,350	24,350	Azusa 2010 UWMP
IW	-	4,000	4,000	4,000	4,000	4,000	Table 2.6, Table 2.7
RW	-	-	-	-	-	-	
Local Surface Water	5,059	10,100	10,100	10,100	10,100	10,100	Table 2.6, Table 2.7
Desal	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	21546	38450	38450	38450	38450	38450	
Demand	21546	21641	22582	23523	24464	25405	Table 4.1, Table 4.7

Three Valleys MWD

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	46,056	46,137	46,141	46,146	46,151	46,155	Table 3-4 (Groundwater Production + Recovery)
IW	64,748	77,343	77,864	80,499	83,498	85,197	Table 3-4 (Full Service Tier I and Tier II)
RW	5,317	7,272	8,185	8,937	9,623	10,292	Table 3-4
SurfW	6,500	6,500	6,500	6,500	6,500	6,500	Table 3-4
Desal	-	-	-	-	-	-	
Conser	19,199	20,381	20,908	23,165	25,306	27,326	Table 3-4
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	141,820	157,633	159,598	165,247	171,078	175,470	
Demand	122,620	131,620	138,690	142,082	145,772	148,144	Table 3-4

Suburban Water Systems (San Jose Hills)

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	19,294	19,294	20,441	20,441	20,441	20,441	Suburban Water Systems 2010 UWMP
IW	15,289	15,289	15,289	15,289	15,289	15,289	Table 3-1
RW	1,406	1,406	1,406	1,406	1,406	1,406	Table 3-1
SurfW	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Conser	-	810	810	810	810	810	Table 2-10
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	35,989	36,799	37,946	37,946	37,946	37,946	
Demand	28,300	30,380	30,380	30,380	30,380	30,380	Table 2-10

Sierra Madre

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	2,525	2,579	2,296	2,297	2,298	2,298	Sierra Madre 2010 UWMP
IW	-	-	-	-	-	-	Table 9
RW	-	-	-	-	-	-	
SurfW	225	352	313	313	313	313	Table 9
Desal	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	2,750	2,931	2,609	2,610	2,611	2,611	
Demand	2,750	2,930	2,609	2,610	2,611	2,611	Table 7

Monrovia

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	7,600	7,450	7,300	7,150	7,000	7,000	Monrovia 2010 UWMP
IW	-	-	-	-	-	-	Table #8
RW	-	-	-	-	-	-	
SurfW	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Total	7,600	7,450	7,300	7,150	7,000	7,000	
Demand	7,411	7,266	7,123	6,983	6,847	6,847	Table #8

Greater Los Angeles County IRWM Plan
 Detailed Supply Calculations
 Upper San Gabriel and Rio Hondo Subregion

Valley County WD							
Supply Summary (AF)							<i>Source</i>
	2010	2015	2020	2025	2030	2035	
GW	6,580	9,159	9,159	9,159	9,159	9,159	<i>Valley County WD 2010 UWMP</i>
IW	1,767	1,197	1,197	1,197	1,197	1,197	<i>Table 17</i>
RW	-	-	-	-	-	-	<i>Table 17 (Import from MWD+CIC)</i>
SurfW	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	(34)	-	-	-	-	-	<i>Table 17</i>
SW Reuse	-	-	-	-	-	-	
Total	8,313	10,356	10,356	10,356	10,356	10,356	
Demand	8,313	9,201	9,372	9,536	9,695	9,846	<i>Pg 7</i>

Summary Retail Supply Table

Supply Summary (AF)						
	2010	2015	2020	2025	2030	2035
GW	52,519	84,858	89,589	89,589	89,589	89,589
IW	404,986	431,704	393,368	396,054	392,892	387,520
RW	26,880	28,843	47,714	49,769	54,732	56,254
Local Surface Wat	-	-	-	-	-	-
Conser	17,086	20,471	31,327	36,864	43,131	47,924
Water Trans	-	15,096	15,096	15,096	15,096	15,096
SW Capture & Reu	-	755	2,264	3,774	6,038	9,435
Desal	-	500	21,000	21,000	21,000	21,000
Total Supply	501,471	582,227	600,358	612,147	622,479	626,818
Total Demand	425,580	477,051	498,009	507,296	517,697	521,946

Summary Replenishment Supply Table

Replenishment Supply (AF)						
	2010	2015	2020	2025	2030	2035
IW	15,274	3,500	3,500	3,500	-	-
RW	7,706	16,980	16,980	16,980	20,480	20,480
Total	22,980	20,480	20,480	20,480	20,480	20,480

West Basin MWD (2010 RUWMP, Table 3-5)

	2010	2015	2020	2025	2030	2035
IW for recharge	15,274	3,500	3,500	3,500	-	-
RW for recharge	7,706	16,980	16,980	16,980	20,480	20,480
Total Recharge	22,980	20,480	20,480	20,480	20,480	20,480

West Basin MWD

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	36,860	45,500	45,500	45,500	45,500	45,500	West Basin MWD 2010 RUWMP
IW	104,985	114,647	76,797	75,386	70,598	69,761	Table 4-2
RW	14,182	16,368	33,882	33,882	37,382	37,382	Table 3-3
Local Surface Wat	-	-	-	-	-	-	Table 4-2
Conser	14,000	15,119	21,039	21,640	22,971	23,632	Table 3-3
Water Trans	-	-	-	-	-	-	
SW Reuse	-	-	-	-	-	-	
Desal	-	500	21,000	21,000	21,000	21,000	
Total Supply	170,027	192,134	198,218	197,408	197,451	197,275	
Total Demand	168,987	192,134	198,218	197,408	197,451	197,275	Table 3-3

Torrance

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	2,287	8,040	8,040	8,040	8,040	8,040	Torrance 2010 UWMP
IW	16,471	20,967	20,967	20,967	20,967	20,967	Table 2.3, Table 5.4
RW	6,445	6,500	6,500	7,150	7,150	7,150	Table 2.1, Table 5.4
Local Surface Wat	-	-	-	-	-	-	Table 2.5, Table 5.4
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Capture & Reu	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Total	25,203	35,507	35,507	36,157	36,157	36,157	
Demand	25,203	26,868	27,532	28,559	29,100	29,754	Table 4.7

Beverly Hills

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	1,311	800	800	800	800	800	Beverly Hills 2010 UWMP
IW	11,801	18,853	21,653	22,893	21,641	20,560	Table 2.3, Table 2.4
RW	-	-	-	-	-	-	Table 2.3, Table 2.4
Local Surface Wat	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Capture & Reu	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Total Supply	13,112	19,653	22,453	23,693	22,441	21,360	
Total Demand	11,562	11,654	11,786	11,913	12,036	12,153	Table 4.1, Table 4.7

Santa Monica

Supply Summary (AF)							Source
	2010	2015	2020	2025	2030	2035	
GW	2,062	12,400	12,400	12,400	12,400	12,400	Santa Monica 2010 UWMP
IW	11,685	11,515	11,515	11,515	11,515	11,515	Table 2.4, Table 2.7
RW	108	560	560	560	560	560	Table 2.1, Table 2.7
Local Surface Wat	-	-	-	-	-	-	Table 2.5, Table 2.7
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Capture & Reu	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Total Supply	13,855	24,475	24,475	24,475	24,475	24,475	
Total Demand	13,855	14,370	14,409	14,445	14,478	14,509	Table 4.2, Table 4.8

Los Angeles							Source
Supply Summary (AF)							LADWP 2010 UWMP
	2010	2015	2020	2025	2030	2035	
GW	-	-	-	-	-	-	0% of total groundwater
IW	202,211	209,796	216,490	218,050	219,611	214,806	Demand-Local Supply
RW	676	1,026	1,926	2,826	3,726	4,626	Exhibit 4I, 4P, 4Q
Local Surface Water	-	-	-	-	-	-	
Conser	3,086	5,352	10,288	15,224	20,160	24,292	Area percentage applied
Water Trans	-	15,096	15,096	15,096	15,096	15,096	Area percentage applied
SW Capture & Reuse	-	755	2,264	3,774	6,038	9,435	Area percentage applied
Desal	-	-	-	-	-	-	
Total Supply	205,973	232,025	246,064	254,971	264,632	268,255	
Total Demand	205,973	232,025	246,064	254,971	264,632	268,255	Area percentage applied

Los Angeles (100%) - Percentage area applied to demand only. Supply numbers received via email from LADWP.							Source
Supply Summary (AF)							LADWP 2010 UWMP
	2010	2015	2020	2025	2030	2035	
GW	76,982	40,500	96,300	111,500	111,500	110,405	Exhibit ES-R
IW	463,614	540,120	508,040	481,760	484,781	477,027	Exhibit ES-R (Includes LA Aqueduct and MWD supplies)
RW	6,703	20,000	20,400	42,000	51,500	59,000	Exhibit 4J, Exhibit 4L
Local Surface Water	-	-	-	-	-	-	
Conser	8,178	14,180	27,260	40,340	53,419	64,368	Exhibit ES-R
Water Trans	-	40,000	40,000	40,000	40,000	40,000	Exhibit ES-R
Stormwater Cap	-	2,000	6,000	10,000	16,000	25,000	Exhibit ES-R
Desal	-	-	-	-	-	-	
Total	555,477	656,800	698,000	725,600	757,200	775,800	
Demand	545,771	614,800	652,000	675,600	701,200	710,800	Exhibit 2J, Demand Forecast with Passive and Active Water Conservation

Area
38%

California Water Service Co - Dominguez							Source
Supply Summary (AF)							Cal Water Service Co - Dominguez District 2010 UWMP
	2010	2015	2020	2025	2030	2035	
GW	8,575	12,736	16,897	16,897	16,897	16,897	
IW	23,645	22,492	15,319	15,930	16,551	17,183	
RW	5,251	4,134	4,586	5,088	5,646	6,264	
Local Surface Water	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Capture & Reuse	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Total Supply	37,471	39,362	36,802	37,915	39,094	40,344	
Total Demand	42,566	39,362	36,802	37,915	39,094	41,677	

California Water Service Co - Hawthorne							Source
Supply Summary (AF)							Hawthorne 2010 UWMP
	2010	2015	2020	2025	2030	2035	
GW	-	1,882	1,882	1,882	1,882	1,882	
IW	4,146	3,310	3,551	3,794	4,039	4,297	
RW	84	100	101	101	102	103	
Local Surface Water	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Capture & Reuse	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Total Supply	4,230	5,292	5,534	5,777	6,023	6,282	
Total Demand	4,230	5,292	5,534	5,777	6,023	6,282	

California Water Service Co - Hermosa-Redondo							Source
Supply Summary (AF)							Cal Water Service Co - Hermosa-Redondo District 2010 UWMP
	2010	2015	2020	2025	2030	2035	
GW	1,424	3,500	4,070	4,070	4,070	4,070	
IW	10,958	10,482	9,535	9,904	10,282	10,670	
RW	134	155	159	162	166	169	
Local Surface Water	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Capture & Reuse	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Total Supply	12,516	14,137	13,764	14,136	14,518	14,909	
Total Demand	12,516	14,506	14,519	14,912	15,315	15,728	

California Water Service Co - Palos Verdes							Source
Supply Summary (AF)							Cal Water Service Co - Palos Verdes District 2010 UWMP
	2010	2015	2020	2025	2030	2035	
GW	-	-	-	-	-	-	
IW	19,084	19,642	17,541	17,615	17,688	17,761	
RW	-	-	-	-	-	-	
Local Surface Water	-	-	-	-	-	-	
Conser	-	-	-	-	-	-	
Water Trans	-	-	-	-	-	-	
SW Capture & Reuse	-	-	-	-	-	-	
Desal	-	-	-	-	-	-	
Total Supply	19,084	19,642	17,541	17,615	17,688	17,761	
Total Demand	19,084	19,642	17,541	17,615	17,688	17,761	