
**CLWA, February 24, 2010, Letter from CLWA (Dan Masnada) to County
of Los Angeles (Mitch Glaser)**



February 24, 2010

Mr. Mitch Glaser
Los Angeles County
Department of Regional Planning
320 West Temple Street
Los Angeles, California 90012

Re: Castaic Lake Water Agency Additional Information on Comments on the One Valley One Vision, Draft Environmental Impact Report

Dear Mr. Glaser:

The Castaic Lake Water Agency (CLWA) is the provider of imported water to the Santa Clarita Valley. The CLWA service area covers most of the proposed project area and the determination of water demand and availability for CLWA's service area is addressed in the 2005 Santa Clarita Valley Urban Water Management Plan (UWMP) prepared by CLWA and the local water retailers. As such, CLWA has an interest in Santa Clarita Valley water issues and previously submitted a letter in response to the Draft Environmental Impact Report (DEIR) on the One Valley One Vision (OVOV) plan.

In an October 28, 2009 letter, CLWA commented on the Water Resources section of the DEIR. CLWA stated that it would be revising its comments after the California Department of Water Resources (DWR) updated its 2007 State Water Project SWP Delivery Reliability Report. On January 26, 2010, DWR released its Draft 2009 SWP Delivery Reliability Report.

The 2009 draft report shows reductions in average water deliveries when compared to the 2007 report which, in turn, shows reductions in SWP deliveries from the 2005 report that was used to prepare the 2005 UWMP. The 2007 report shows current SWP annual Table A deliveries averaging 63% of the maximum contract amount of 4,133 thousand acre-feet (taf) per year (CLWA's portion of this total is 95,200 af). The 2009 draft report shows a corresponding value of 60%. The 2007 report projects an annual average of 66% to 69% for the future condition, whereas the updated 2009 draft report uses 60% for all years 2009 through 2029. Conversely, the annual deliveries during drier conditions are projected to be slightly higher than estimated in the 2007 report.

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Attached is a revised estimate of the water supply projections for all of the scenarios in the 2005 UWMP, which incorporate the results of the 2009 draft report. The chart includes additional sources of supply that CLWA has identified since the 2005 UWMP. These include water from Newhall Land sources in Kern County and recycled water that will be generated by the Newhall Ranch Water Reclamation Plant and utilized by the Newhall Ranch development (Newhall Ranch projected demand is included in the 2005 UWMP).

The attached charts represent a reasonable estimate of the available supplies for the CLWA service area. ***The charts show that, for the demand projected in the 2005 UWMP, the supply would be adequate for all scenarios and all years through 2030.*** The 2030 scenarios in the 2005 UWMP used a population projection of 428,209 for the CLWA service area. The DEIR should consider this projected number in its demand analysis in relation to the 460,000 to 485,000 residents reflected in the OVOV Plan buildout population in the DEIR Project Description.

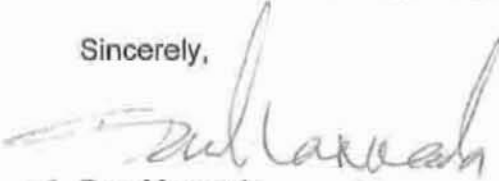
The demand figures in the updated 2005 UWMP charts have not been adjusted to reflect the recent passage of SB 7X-7. This law requires that CLWA and the local retailers demonstrate a per capita water reduction of 10% in 2015 and 20% by 2020. The 2005 UWMP includes a 10% conservation factor through the year 2030. The 2010 UWMP will address a number of projected demand scenarios including one that reflects the impact of the 20%-conservation-by-2020 legislation.

Additionally, the updated 2005 UWMP charts do not incorporate demands or supplies for the OVOV planning area that are outside of the CLWA service area and which constitute part of the 460,000 to 485,000 population projection cited above. Analysis of these demands and supplies should be performed independent of CLWA's updated 2005 UWMP charts.

While the 2009 draft report reflects the most current information on SWP reliability, it may be subject to revision as a result of the public review process. Additionally, the Biological Opinions that were the primary reason for the reductions in SWP supply reliability are subject to change due to ongoing legal challenges and new scientific information given to the resource agencies responsible for the Biological Opinions. Such changes that may occur in the future would require that the attached charts be revised and appropriate revisions made in the County's planning and environmental documents.

CLWA appreciates the efforts of the County and the City of Santa Clarita on the OVOV plan update and the DEIR and looks forward to assisting you in providing information for the DEIR. If you have any questions, please contact Jeff Ford, Senior Water Resources Planner, at (661) 513-1281 or by e-mail at jford@clwa.org.

Sincerely,



D Dan Masnada
General Manager

Attachments

cc: Paul Brotzman, City of Santa Clarita
Jason Smisko, City of Santa Clarita
Steve Cole, Newhall County Water District
Robert DiPrimio, Valencia Water Company
Mauricio Guardado, Santa Clarita Water Company
Adam Ariki, Los Angeles County Waterworks District #36
Tom Worthington, Impact Sciences, Inc.

Table 5-1 Summary of Current and Planned Water Supplies and Banking Programs(1)

Water Supply Sources	Supply (af)					
	2007	2010	2015	2020	2025	2030
Existing Supplies (1)						
Wholesale (Imported)	61,800	75,787	75,787	74,407	74,407	74,407
SWP Table A Supply (2)	57,120	57,120	57,120	57,120	57,120	57,120
Buena Vista-Rosedale	0	11,000	11,000	11,000	11,000	11,000
Nickel Water - Newhall Land	0	1,607	1,607	1,607	1,607	1,607
Flexible Storage Account (CLWA) (3)	4,680	4,680	4,680	4,680	4,680	4,680
Flexible Storage Account (Ventura County) (3) (4)	0	1,380	1,380	0	0	0
Local Supplies						
Groundwater	40,000	46,000	46,000	46,000	46,000	46,000
Alluvial Aquifer	35,000	35,000	35,000	35,000	35,000	35,000
Saugus Formation	5,000	11,000	11,000	11,000	11,000	11,000
Recycled Water	1,700	1,700	1,700	1,700	1,700	1,700
Total Existing Supplies	103,560	123,487	123,487	122,107	122,107	122,107
Existing Banking Programs (3)						
Semitropic Water Bank (5)	50,870	50,870	0	0	0	0
Rosedale-Rio Bravo (7)	64,898	64,898	64,898	64,898	64,898	64,898
Semitropic Water Bank Newhall Land (8)	0	18,828	18,828	18,828	18,828	18,828
Total Existing Banking Programs	115,768	134,596	83,726	83,726	83,726	83,726
Planned Supplies (1)						
Local Supplies						
Groundwater	0	10,000	10,000	20,000	20,000	20,000
Restored wells (Saugus Formation)	0	10,000	10,000	10,000	10,000	10,000
New Wells (Saugus Formation)	0	0	0	10,000	10,000	10,000
Recycled Water - CLWA (6)	0	0	1,600	6,300	11,000	15,700
Recycled Water - Newhall Ranch	0	0	1,500	2,500	3,500	5,400
Total Planned Supplies	0	10,000	13,100	28,800	34,500	41,100
Planned Banking Programs (3)						
Additional Planned Banking	0	0	20,000	20,000	20,000	20,000
Total Planned Banking Programs	0	0	20,000	20,000	20,000	20,000

1. The values shown under "Existing Supplies" and "Planned Supplies" are supplies projected to be available in average/normal years. The values shown under "Existing Banking Programs" and "Planned Banking Programs" are total amounts currently in storage.

2. SWP supplies are calculated by multiplying CLWA's Table A Amount of 95,200 af by percentages of average deliveries projected to be available, based on Tables 6-12 and 6-13 of DWR's "State Water Project Delivery Reliability Report 2009". Year 2030 figure is calculated by multiplying by DWR's 2029 percentage of 60%. Figures shown in red represent changes from the 2005 UWMP due to the Draft State Water Project Delivery Reliability Report 2009. Figures shown in blue are additional sources of supply identified since the 2005 UWMP.

3. Supplies shown are total amounts that can be withdrawn, and would typically be used only during dry years. Each water bank has annual limitations on withdrawals that are reflected in Tables 5-3 and 5-4.

4. Initial term of the Ventura County entities' flexible storage account is ten years (from 2006 to 2015).

5. Supplies shown are the total amount currently in storage, and would typically be used only during dry years. Once the current storage amount is withdrawn, this supply would no longer be available and in any event, is not available after 2013.

6. Recycled water supplies based on projections provided in CLWA's 2005 UWMP Chapter 4, Recycled Water.

7. CLWA has 64,898 af of recoverable water as of 12/31/09 in the Rosedale-Rio Bravo Water Banking and Recovery Program.

8. Supplies shown are the total amounts currently in storage. As of December 31, 2009, there is 18,828 af of water stored in the Semitropic Groundwater Storage Bank by The Newhall Land and Farming Company for the Newhall Ranch Specific Plan. The stored water can be extracted from the bank in dry years in amounts up to 4,950 af. Newhall Ranch is located within the CLWA service area.

Table 5-2 Projected Average/Normal Year Supplies and Demands

Water Supply Sources	Supply (af)				
	2010	2015	2020	2025	2030
Existing Supplies					
Wholesale (Imported)	69,727	69,727	69,727	69,727	69,727
SWP Table A Supply (1)	57,120	57,120	57,120	57,120	57,120
Buena Vista-Rosedale	11,000	11,000	11,000	11,000	11,000
Nickel Water - Newhall Land (6)	1,607	1,607	1,607	1,607	1,607
Flexible Storage Account (CLWA) (2)	0	0	0	0	0
Flexible Storage Account (Ventura County) (2)	0	0	0	0	0
Local Supplies					
Groundwater	46,000	46,000	46,000	46,000	46,000
Alluvial Aquifer	35,000	35,000	35,000	35,000	35,000
Saugus Formation	11,000	11,000	11,000	11,000	11,000
Recycled Water	1,700	1,700	1,700	1,700	1,700
Total Existing Supplies	117,427	117,427	117,427	117,427	117,427
Existing Banking Programs					
Semitropic Water Bank (2)	0	0	0	0	0
Rosedale-Rio Bravo (2)	0	0	0	0	0
Semitropic Water Bank - Newhall Land (2)	0	0	0	0	0
Total Existing Banking Programs	0	0	0	0	0
Planned Supplies					
Local Supplies					
Groundwater	0	0	0	0	0
Restored wells (Saugus Formation) (2)	0	0	0	0	0
New Wells (Saugus Formation) (2)	0	0	0	0	0
Recycled Water - CLWA (3)	0	1,600	6,300	11,000	15,700
Recycled Water - Newhall Ranch	0	1,500	2,500	3,500	5,400
Total Planned Supplies	0	3,100	8,800	14,500	21,100
Planned Banking Programs					
Additional Planned Banking (2)	0	0	0	0	0
Total Planned Banking Programs	0	0	0	0	0
Total Existing and Planned Supplies and Banking	117,427	120,527	126,227	131,927	138,527
Total Estimated Demand (w/o conservation) (4)	100,050	109,400	117,150	128,400	138,300
Conservation (5)	(8,600)	(9,700)	(10,700)	(11,900)	(12,900)
Total Adjusted Demand	91,450	99,700	106,450	116,500	125,400

1. SWP supplies are calculated by multiplying CLWA's Table A Amount of 95,200 af by 60%.

2. Not needed during average/normal years.

3. Recycled water supplies based on projections provided in CLWA's 2005 UWMP Chapter 4, Recycled Water.

4. Demands are for uses within the existing CLWA service area. Demands for any annexations to the CLWA service area are not included.

5. Assumes 10 percent reduction on urban portion of total demand resulting from conservation best management practices, as discussed in CLWA's 2005 UWMP, Chapter 7.

6. Figures shown in red represent changes from the 2005 UWMP due to the Draft State Water Project Delivery Reliability Report 2009. Figures shown in blue are additional sources of supply identified since the 2005 UWMP.

Table 5-3 Projected Single-Dry Year Supplies and Demands

Water Supply Sources	Supply (af)				
	2010	2015	2020	2025	2030
Existing Supplies					
Wholesale (Imported)	25,331	26,283	25,855	26,807	27,759
SWP Table A Supply (1)	6,654	7,616	8,568	9,520	10,472
Buena Vista-Rosedale	11,000	11,000	11,000	11,000	11,000
Nickel Water - Newhall Land	1,607	1,607	1,607	1,607	1,607
Flexible Storage Account (CLWA)	4,680	4,680	4,680	4,680	4,680
Flexible Storage Account (Ventura County)(2)	1,380	1,380	0	0	0
Local Supplies					
Groundwater	47,500	47,500	47,500	47,500	47,500
Alluvial Aquifer	32,500	32,500	32,500	32,500	32,500
Saugus Formation	15,000	15,000	15,000	15,000	15,000
Recycled Water	1,700	1,700	1,700	1,700	1,700
Total Existing Supplies	74,631	75,483	75,055	76,007	76,959
Existing Banking Programs					
Semitropic Water Bank (3)	17,000	0	0	0	0
Rosedale-Rio Bravo (5)	20,000	20,000	20,000	20,000	20,000
Semitropic Water Bank - Newhall Land (10)	4,950	4,950	4,950	4,950	4,950
Total Existing Banking Programs	41,950	24,950	24,950	24,950	24,950
Planned Supplies					
Local Supplies					
Groundwater	10,000	10,000	20,000	20,000	20,000
Restored wells (Saugus Formation)	10,000	10,000	10,000	10,000	10,000
New Wells (Saugus Formation)	0	0	10,000	10,000	10,000
Recycled Water - CLWA (4)	0	1,600	6,300	11,000	15,700
Recycled Water - Newhall Ranch	0	1,500	2,500	3,500	5,400
Total Planned Supplies	10,000	13,100	28,800	34,500	41,100
Planned Banking Programs					
Additional Planned Banking (6)	0	20,000	20,000	20,000	20,000
Total Planned Banking Programs	0	20,000	20,000	20,000	20,000
Total Existing and Planned Supplies and Banking	126,481	133,533	148,805	155,457	163,009
Total Estimated Demand (w/o conservation) (7) (8)	110,100	120,300	128,900	141,200	152,100
Conservation (9)	(9,500)	(10,700)	(11,700)	(13,100)	(14,200)
Total Adjusted Demand	100,600	109,600	117,200	128,100	137,900

1. SWP supplies are calculated by multiplying CLWA's Table A Amount of 95,200 af by percentages of single dry year deliveries projected to be available on Tables 6-4 and 6-13 of DWR's "State Water Project Delivery Reliability Report 2009". Year 2030 figure is calculated by multiplying by DWR's 2029 percentage of 11%. Figures shown in red represent changes from the 2005 UWMP due to the Draft State Water Project Delivery Reliability Report 2009. Figures shown in blue are additional sources of supply identified since the 2005 UWMP.

2. Initial term of the Ventura County entities' flexible storage account is ten years (from 2006 to 2015).

3. The total amount of water currently in storage is 50,870 af, available through 2013. Withdrawals of up to this amount are potentially available in a dry year, but given possible competition for withdrawal capacity with other Semitropic banking partners in extremely dry years, it is assumed here that about one third of the total amount stored could be withdrawn.

4. Recycled water supplies based on projections provided in CLWA's 2005 UWMP Chapter 4, Recycled Water.

5. CLWA has 64,898 af of recoverable water as of 12/31/09 in the Rosedale-Rio Bravo Water Banking and Recovery Program.

6. Assumes additional planned banking supplies available by 2014.

7. Assumes increase in total demand of 10 percent during dry years.

8. Demands are for uses within the existing CLWA service area. Demands for any annexations to the CLWA service area are not included.

9. Assumes 10 percent reduction on urban portion of total normal year demand resulting from conservation best management practices (urban portion of total normal year demand x 1.10] * 0.10), as discussed in CLWA's 2005 UWMP, Chapter 7.

10. Delivery of stored water from the Newhall Land Semitropic Groundwater Bank requires further agreements between CLWA and Newhall Land.

Table 5-4 Projected Multiple-Dry Year Supplies and Demands(1)

Water Supply Sources	Supply (af)				
	2010	2015	2020	2025	2030
Existing Supplies					
Wholesale (Imported)	46,485	46,485	47,097	47,097	47,097
SWP Table A Supply (2)	32,368	32,368	33,320	33,320	33,320
Buena Vista-Rosedale	11,000	11,000	11,000	11,000	11,000
Nickel Water - Newhall Land	1,607	1,607	1,607	1,607	1,607
Flexible Storage Account (CLWA) (3)	1,170	1,170	1,170	1,170	1,170
Flexible Storage Account (Ventura County) (3)	340	340	0	0	0
Local Supplies					
Groundwater	47,500	47,500	47,500	47,500	47,500
Alluvial Aquifer	32,500	32,500	32,500	32,500	32,500
Saugus Formation (4)	15,000	15,000	15,000	15,000	15,000
Recycled Water	1,700	1,700	1,700	1,700	1,700
Total Existing Supplies	95,685	95,685	95,297	95,297	95,297
Existing Banking Programs					
Semitropic Water Bank (3)	12,700	0	0	0	0
Rosedale-Rio Bravo (6) (7)	5,000	15,000	15,000	15,000	15,000
Semitropic Water Bank - Newhall Land (12)	4,950	4,950	4,950	4,950	4,950
Total Existing Banking Programs	22,650	19,950	19,950	19,950	19,950
Planned Supplies					
Local Supplies					
Groundwater	6,500	6,500	6,500	6,500	6,500
Restored wells (Saugus Formation) (4)	6,500	6,500	5,000	5,000	5,000
New Wells (Saugus Formation) (4)	0	0	1,500	1,500	1,500
Recycled Water (5)	0	1,600	6,300	11,000	15,700
Recycled Water - Newhall Ranch	0	1,500	2,500	3,500	5,400
Total Planned Supplies	6,500	9,600	15,300	21,000	27,600
Planned Banking Programs					
Additional Planned Banking (7) (8)	0	5,000	15,000	15,000	15,000
Total Planned Banking Programs	0	5,000	15,000	15,000	15,000
Total Existing and Planned Supplies and Banking	124,835	130,235	145,547	152,247	158,847
Total Estimated Demand (w/o conservation) (9) (10)	110,100	120,300	128,900	141,200	152,100
Conservation (11)	(9,500)	(10,700)	(11,700)	(13,100)	(14,200)
Total Adjusted Demand	100,600	109,600	117,200	128,100	137,900

1. Supplies shown are annual averages over four consecutive dry years (unless otherwise noted). Figures shown in red represent changes from the 2005 UWMP due to the Draft State Water Project Delivery Reliability Report 2009. Figures shown in blue are additional sources of supply identified since the 2005 UWMP.

2. SWP supplies are calculated by multiplying CLWA's Table A Amount of 95,200 af by percentages of average deliveries projected to be available during the worst case four-year drought of 1931-1934 as provided in Tables 6-4 and 6-13 of DWR's "State Water Project Delivery Reliability Report 2009." Year 2030 figure is calculated by multiplying by DWR's 2029 percentage of 35%.

3. Based on total amount of storage available divided by 4 (4-year dry period). Initial term of the Ventura County entities' flexible storage account is ten years (from 2006 to 2015).

4. Total Saugus pumping is the average annual amount that would be pumped under the groundwater operating plan, as summarized in Table 3-6 of the 2005 UWMP $((11,000 + 15,000 + 25,000 + 35,000)/4)$.

5. Recycled water supplies based on projections provided in CLWA's 2005 UWMP Chapter 4, Recycled Water.

6. CLWA has 64,898 af of recoverable water as of 12/31/09 in the Rosedale-Rio Bravo Water Banking and Recovery Program.

7. Average dry year period supplies could be up to 20,000 af for each program depending on storage amounts at the beginning of the dry period.

8. Assumes additional planned banking supplies available by 2014.

9. Assumes increase in total demand of 10 percent during dry years.

10. Demands are for uses within the existing CLWA service area. Demands for any annexations to the CLWA service area are not included.

11. Assumes 10 percent reduction on urban portion of total normal year demand resulting from conservation best management practices (urban portion of total normal year demand $\times 1.10] \times 0.10$), as discussed in CLWA's 2005 UWMP, Chapter 7.

12. Delivery of stored water from the Newhall Land Semitropic Groundwater Bank requires further agreements between CLWA and Newhall Land.