

Appendix C: Correspondences

- UWMP Notice of Preparation, March 10, 2016
- Growth Projection Letter to Cities and Counties
- UWMP Public Draft Comments

Appendix C: Correspondences

- UWMP Notice of Preparation, March 10, 2016



CALIFORNIA WATER SERVICE

1720 North First Street
San Jose, CA 95112-4598 Tel: (408) 367-8200

March 10, 2016

[Name_F] [Name_L]
[Organization]
[Address]
[City], CA [ZipCode]

Dear [Title] [Name_L]:

California Water Service (Cal Water) is committed to providing safe, reliable, and high-quality water utility service in our Antelope Valley service area. At Cal Water, one of our top priorities is ensuring that our customers have a sustainable supply of water for decades to come.

With that in mind, we wanted to take this opportunity to let you know that we are updating our Urban Water Management Plan (UWMP) for this service area. This UWMP is reviewed and updated every five years pursuant to the Urban Water Management Plan Act, and will be completed by July 1, 2016. Our UWMP is a foundational document that supports our long-term water resource planning to ensure our customers have adequate water supplies to meet current and future demands.

Proposed revisions to our 2010 UWMP will be made available for public review, and we will be holding a public hearing, during which the updates for the 2015 UWMP will be discussed. The draft 2015 UWMP and the date, time and location of the public hearing will be available on our web site in a few weeks at www.calwater.com/conservation/uwmp. A hard copy of the draft UWMP will also be available at our Antelope Valley Customer Center located at 5015 West Avenue L-14, Unit 2, Quartz Hill, CA 93536.

If you have any questions about the UWMP for this service area, please contact Michael Bolzowski, Cal Water Senior Engineer, at (408) 367-8338 or e-mail Planninginfo@calwater.com.

Sincerely,

A handwritten signature in black ink that reads "Scott Wagner".

Scott Wagner
Director of Capital Planning & Water Resources

Dan Flory
General Manager
Antelope Valley East Kern Water Agency
5015 West Avenue L-14, Unit 2
Quartz Hill, CA 93536
info@AVEK.org

Council Member Mann
Council Member
City of Lancaster
5015 West Avenue L-14, Unit 2
Quartz Hill, CA 93536
kmann@cityoflancafterca.org

Mayor Parris
Mayor
City of Lancaster
5015 West Avenue L-14, Unit 2
Quartz Hill, CA 93536
rrparris@cityoflancafterca.org

Lorelei Oviatt
Planning Director
Kern County, Planning Department
5015 West Avenue L-14, Unit 2
Quartz Hill, CA 93536
LoreleiO@co.kern.ca.us

Shari Afshari
DEPUTY DIRECTOR, WASTE MANAGEMENT
Lake Hughes Community Wastewater Facility
5015 West Avenue L-14, Unit 2
Quartz Hill, CA 93536
safshari@dpw.lacounty.gov

Supervisor Antonovich
Supervisor
Los Angeles County
5015 West Avenue L-14, Unit 2
Quartz Hill, CA 93536
fifthdistrict@lacbos.org

Council Member Malhi
Council Member
City of Lancaster
5015 West Avenue L-14, Unit 2
Quartz Hill, CA 93536
rdsmith@cityoflancafterca.org

Council Member Underwood-Jacobs
Council Member
City of Lancaster
5015 West Avenue L-14, Unit 2
Quartz Hill, CA 93536
awilliams@cityoflancafterca.org

Vice Mayor Crist
Vice Mayor
City of Lancaster
5015 West Avenue L-14, Unit 2
Quartz Hill, CA 93536
mcrist@cityoflancafterca.org

Daniel Lafferty
Assistant Deputy Director. Sewer Maintenance
Division.
Lake Hughes Community Wastewater Facility
5015 West Avenue L-14, Unit 2
Quartz Hill, CA 93536
dlaff@dpw.lacounty.gov
Victoria Conway
Department Head of Wastewater Management
Lancaster Wastewater Reclamation Plant
5015 West Avenue L-14, Unit 2
Quartz Hill, CA 93536
vconway@lacsds.org

Richard Bruckner
Planning Director
Los Angeles County Department of Regional
Planning
5015 West Avenue L-14, Unit 2
Quartz Hill, CA 93536
rbruckner@planning.lacounty.gov

Appendix C: Correspondences

- Growth Projection Letter to Cities and Counties

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Tuesday, September 01, 2015 1:42 PM
To: 'Richard Bruckner (rbruckner@planning.lacounty.gov)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Whitley, Chris; Valles, Rudy
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Antelope Valley District
Attachments: Letter to City Planning Officials - Attachmet - AV.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Tracking:	Recipient	Delivery
	'Richard Bruckner (rbruckner@planning.lacounty.gov)'	
	Salzano, Tom	Delivered: 9/1/2015 1:42 PM
	Bolzowski, Michael R.	Delivered: 9/1/2015 1:42 PM
	Keck, Jonathan	Delivered: 9/1/2015 1:42 PM
	Whitley, Chris	Delivered: 9/1/2015 1:42 PM
	Valles, Rudy	Delivered: 9/1/2015 1:42 PM

Dear Mr. Bruckner,

Pursuant to California Water Code, Division 6, Part 2.6, Sections 10610 through 10656, California Water Service is in the process of preparing the required 2015 update of our Urban Water Management Plans. These plans are required to be updated every five (5) years for each of our services areas (Districts). As you know our Antelope Valley District provides water service to the County of Los Angeles.

The purpose of this communication is to solicit your assistance in reviewing and advising us with respect to one of the key elements of the plan, which is the development of a growth forecast for our district. This growth forecast is conducted based on growth in each customer service classification applicable to a particular district, which typically include:

- Single family residential
- Multi-family residential
- Commercial
- Industrial
- Government (City or County parks, median strips, landscaping and schools)
- Dedicated Irrigation (rare)
- Other (temporary construction meters)

The forecasted growth rates are combined with a demand per service factor applicable to each customer class to determine the future water demands for the district. These growth factors are adjustable and we want to review them with you so that we are consistent with anticipated growth that your planning efforts forecast. If adjustments are necessary we can do them now and avoid conflicts and confusion later in this process.

Some specific information regarding our approach to forecasting customer service growth is detailed as follows:

- **Residential** – Typically two residential customer service categories represent the vast majority of the service counts as well as subsequent water sales or demand in our districts. Cal Water considers both single family and multi-family residential services independently as individual classes, but combines them together in order to assess population growth and housing unit growth. While we use historical trends in the establishment for the growth rates for these two customer classes, we also analyze census

data for population and housing factors and compare our forecast results for these two parameters with available data from City General Plans, as well as County Economic Forecast data and Regional government association forecasts as a reality or appropriateness check of our results.

- **Commercial & Industrial** – Historical trend is a key influence in this customer class, however where we have seen negative trends in recent years for these categories due to the economic downturn, we typically employ either a zero rate of growth or a small, reasonable positive rate of growth. We have also undertaken during the last ten years some reassessment of customer service classifications that has resulted in reallocation of some customer service accounts between various classes. This reallocation, which included commercial, industrial, multi-family residential and in some cases government services, has made the analysis of growth a bit more difficult.
- **Government** – Growth trends are generally parallel to that of the residential sector, so we verify that our rate of grow is not dramatically out-of-sequence with the overall community.
- **Other** – The use of temporary-assigned construction meters varies considerably from year to year, and can represent considerable water demand. In this case, we select a growth rate that is stable, yet reflects the overall growth of the community.

We have included with this communication a set of tables and graphs (see attachment) that illustrate the parameters that influence the growth forecast as currently set up for this district. These include:

- A. The historical and projected service data in both graph and table form
- B. The 2000 and 2010 Census data for the districts service area
- C. Housing projection chart comparing Cal Water’s forecast (always in red) with those from other organizations
- D. Population projection chart comparing Cal Water’s forecast (always in red) with those from other organizations
- E. Table of population and housing values along with multi-family residential unit density and persons per housing unit density that are employed in this forecast effort.

Please note that the 2015 data, which we need to include in our finished forecast, is not yet final, and some minor fluctuation of these values is possible.

Please examine these documents to determine if you concur with our forecasted housing and population numbers. It would be greatly appreciated if you could, by **September 18, 2015**, provide us with an indication of your support or in the case you do not agree with our forecast a reason why and the appropriate rate or growth pattern that we should employ. **If I do not hear back from you by the end of business (EOB) on the above date I will assume that you concur with our forecast.**

If you need a more detailed explanation of these numbers or want to review them with us please feel free to contact me at (408) 367-8340 or by email at tsalzano@calwater.com.

Thank you for your assistance in this effort.

Respectfully,

Thomas A. Salzano

Thomas A. Salzano
Water Resource Planning Supervisor

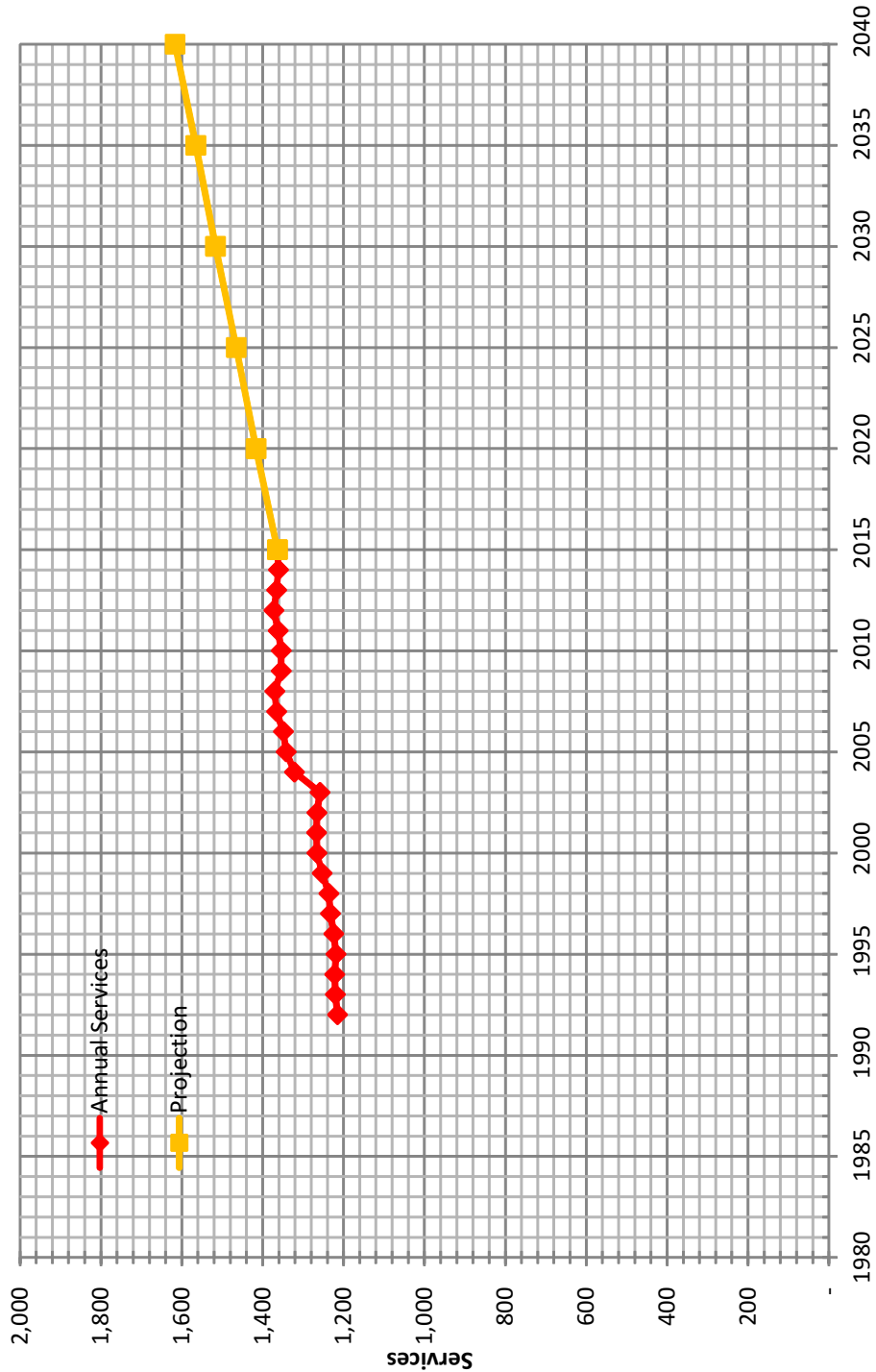
Danilo Blanusa, P.E.
Senior Engineer

CALIFORNIA WATER SERVICE
408-367-8387



Quality. Service. Value.
calwater.com

Historical & Projected Services



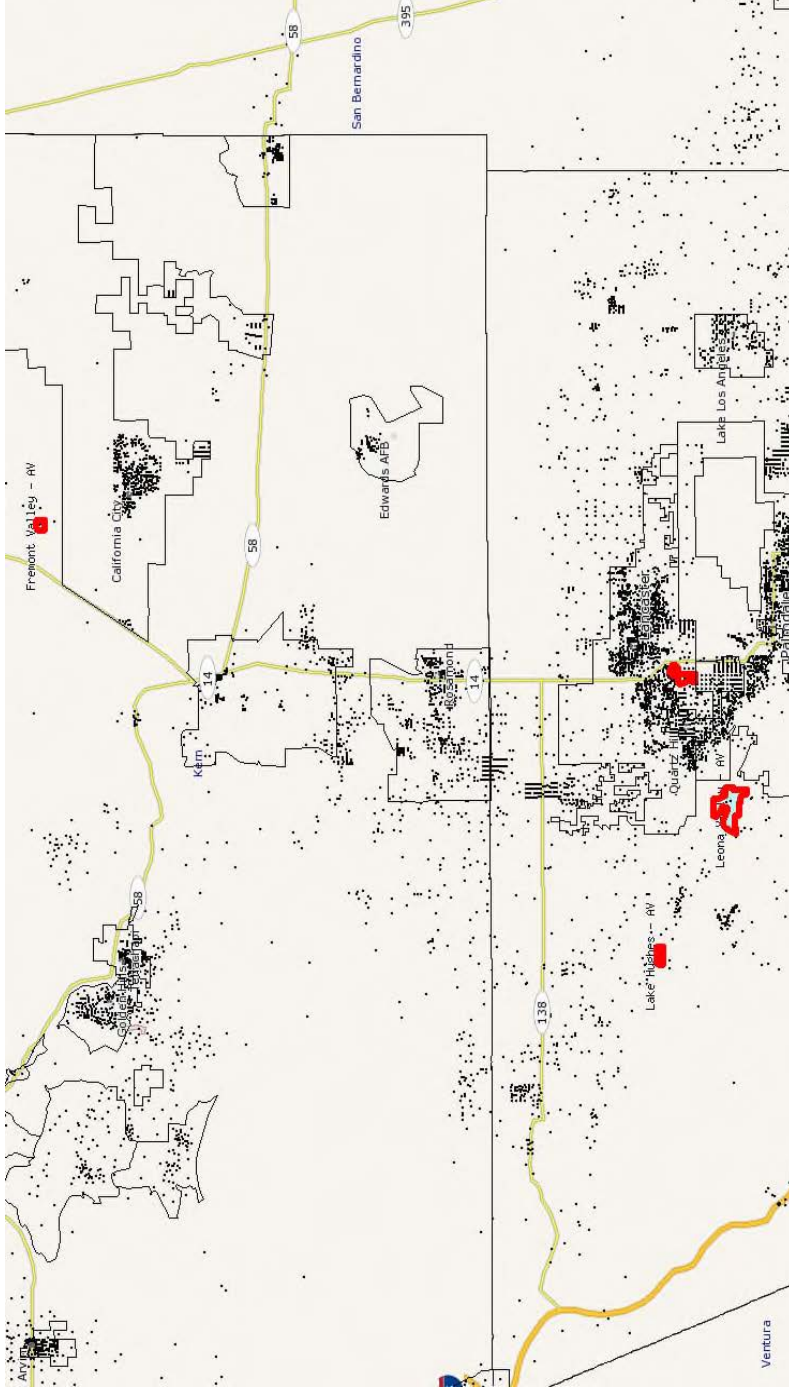
**California Water Service Company - Antelope Valley District
Water Supply and Demand Analysis and Projections
Actual & Projected Annual Average Services**

Consolidated

Customer Category	Selected Trend	Growth Rate	Actual Services				Projected Services							
			2000	2005	2010	Base Year 2015	2015	2020	2025	2030	2035	2040		
SFR		0.64%	1,212	1,287	1,298	1,309	1,309	1,354	1,399	1,444	1,489	1,534		
MFR		0.00%	10	7	5	5	5	5	5	5	5	5		
COM		1.88%	33	36	37	36	36	41	44	49	52	57		
IND		0.00%	0	0	0	0	0	0	0	0	0	0		
GOV		1.73%	12	12	14	14	14	17	18	19	20	21		
OTH		0.00%	0	0	0	0	0	0	0	0	0	0		
TOTAL	Average growth rate 2011-2040	0.68%	1,266	1,342	1,354	1,364	1,364	1,417	1,466	1,517	1,566	1,617		

Notes:

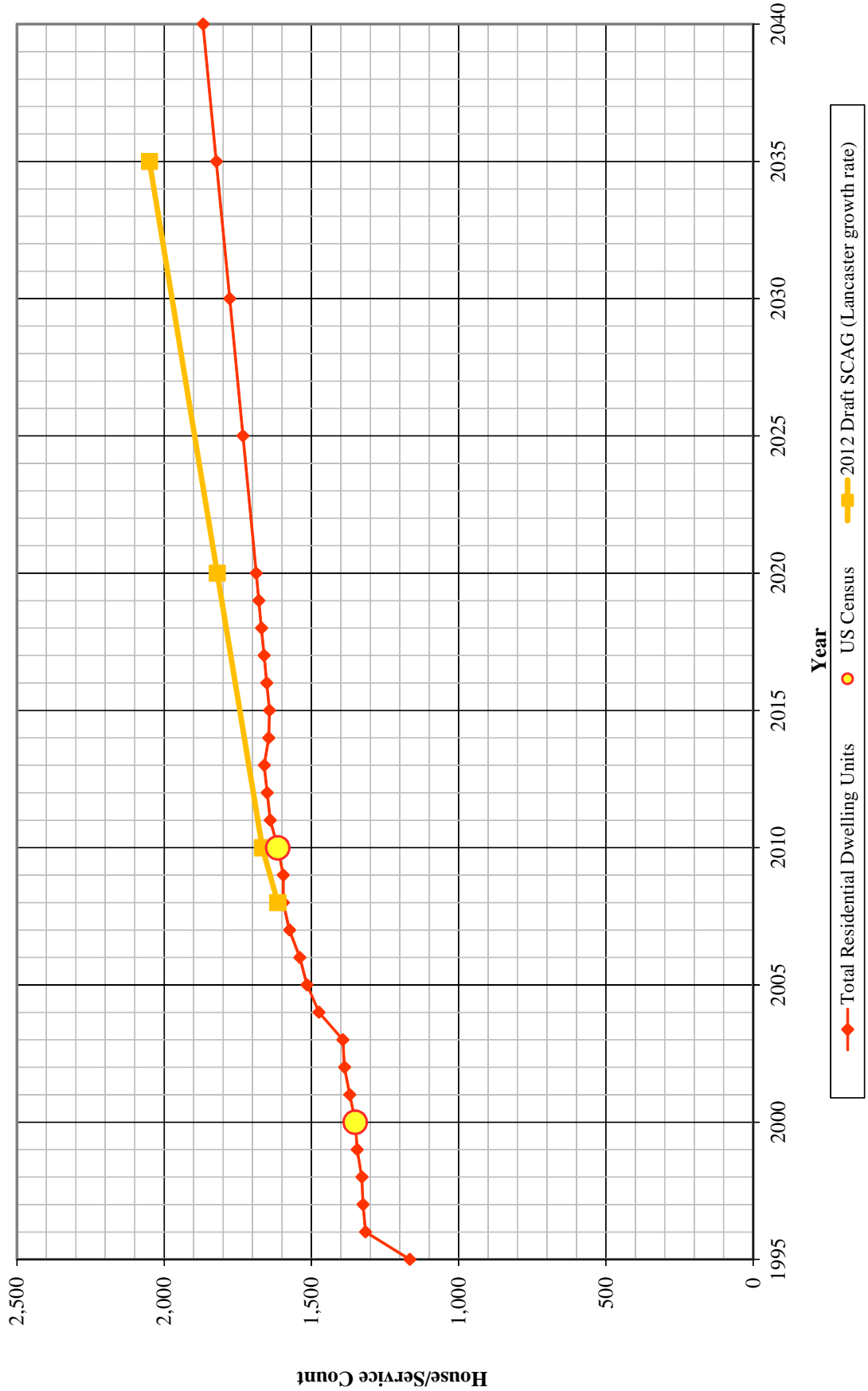
California Water Service Company - Antelope Valley District Water Supply and Demand Analysis and Projections



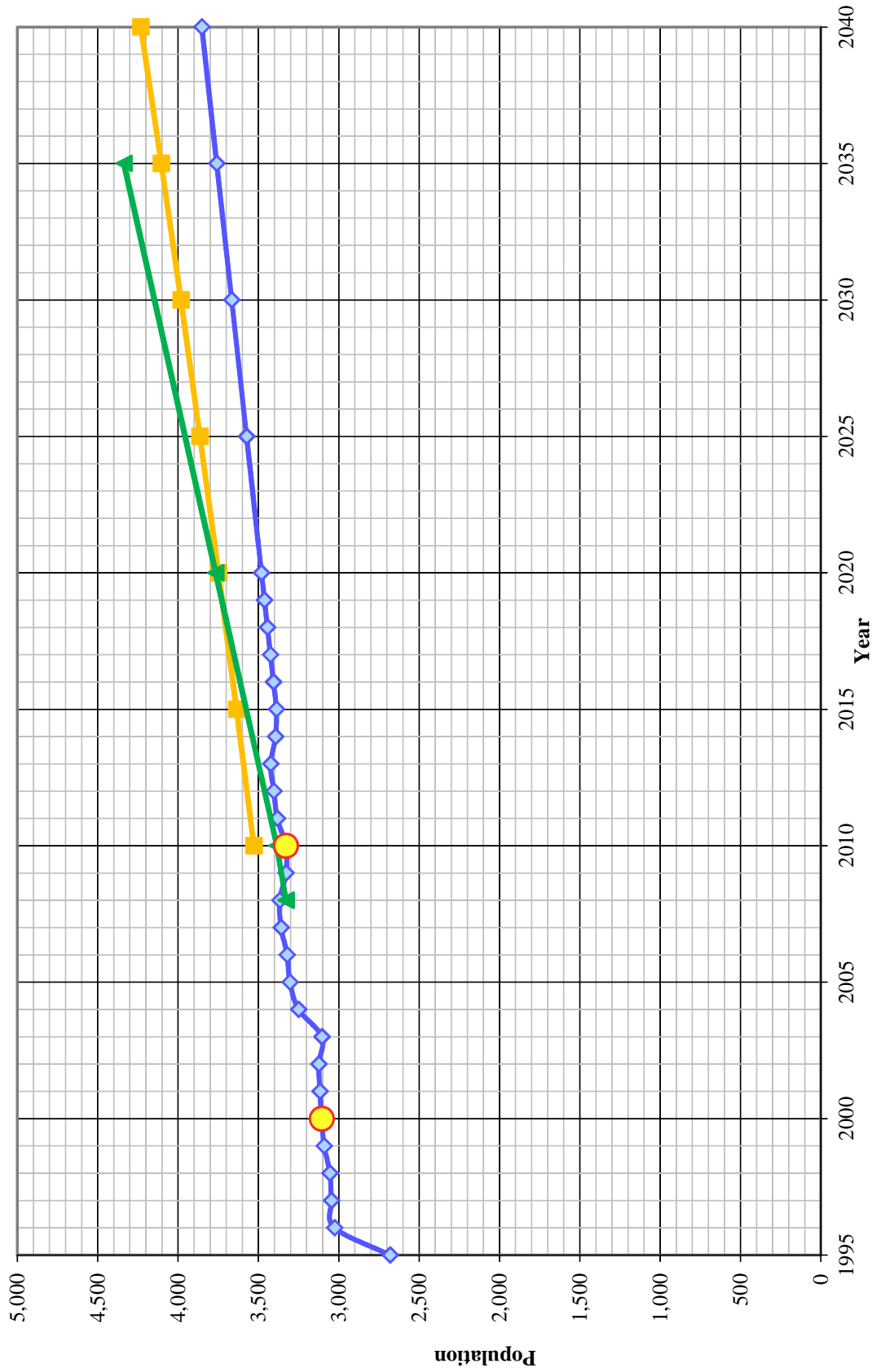
System	US Census 2000 Summary			US Census 2010 Summary			2000-2010 Change				
	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Lake Hughes	18	159	113	1.41	14	258	178	1.45	62.3%	57.5%	3.0%
Leona Valley	9	1,103	423	2.61	13	1,206	508	2.37	9.3%	20.1%	-9.0%
Fremont Valley	15	129	72	1.79	12	109	80	1.36	-15.5%	11.1%	-24.0%
Lancaster	35	1,715	743	2.31	27	1,756	848	2.07	2.4%	14.1%	-10.3%
	77	3,106	1,351	2.30	66	3,329	1,614	2.06	58.5%	102.9%	-40.2%

MARPLOT disclaimer: The population and housing number given above are only rough estimates. They are based on the US Census Blocks. Although Census Blocks are polygons, MARPLOT uses the centroid, or center point, rather than the entire polygon. If a Census Block centroid is within any of the MARPLOT selected objects, the population and housing numbers for that block are tallied, even if only part of the block is within the selected object. It is possible for a block not to be counted if its centroid is not within selected objects, even though part of the block is within the selected objects.

Housing Projections



Population Projections



California Water Service Company - Antelope Valley District Water Supply and Demand Analysis and Projections Population Estimate

Year	US Census		Persons per Housing Unit	Single Family Residential		Multi Family Residential		Flat Rate Residential Services (DU)
	Population	Housing Units		Residential Services (DU)	Residential Units (DU)	Services	Unit Density	
2000	3,106	1,351	2.299	1,212	10	140	14.4	0
2010	3,329	1,614	2.063	1,298	5	316	61.2	0
	7.2%	19.5%	-10.3%	7.1%		126.8%	324.4%	0.0%

Year	Single Family Residential Services (DU)		Multi Family Residential		Flat Rate Residential Services (DU)	Total Residential Dwelling Units	Persons per Housing Unit	Estimated District Population
	Residential Services (DU)	Services	Residential Units (DU)	Unit Density				
1995	1,166	0	0	14.4	0	1,166	2.299	2,680
1996	1,172	10	144	14.4	0	1,316	2.299	3,026
1997	1,181	10	144	14.4	0	1,325	2.299	3,046
1998	1,185	10	144	14.4	0	1,329	2.299	3,055
1999	1,200	10	144	14.4	0	1,345	2.299	3,091
2000	1,212	10	140	14.4	0	1,351	2.299	3,106
2001	1,213	10	157	15.7	0	1,370	2.275	3,117
2002	1,213	9	175	18.9	0	1,388	2.252	3,124
2003	1,201	10	193	19.9	0	1,393	2.228	3,104
2004	1,264	10	210	21.0	0	1,474	2.204	3,250
2005	1,287	7	228	31.4	0	1,515	2.181	3,304
2006	1,294	8	246	32.0	0	1,540	2.157	3,321
2007	1,311	6	263	42.1	0	1,574	2.134	3,359
2008	1,315	5	281	56.2	0	1,596	2.110	3,367
2009	1,297	6	299	52.0	0	1,596	2.086	3,329
2010	1,298	5	316	61.2	0	1,614	2.063	3,329
2011	1,306	5	334	66.8	0	1,640	2.063	3,383
2012	1,316	5	334	66.8	0	1,650	2.063	3,404
2013	1,309	5	351	66.8	0	1,660	2.063	3,424
2014	1,306	5	340	66.8	0	1,645	2.063	3,393
2015	1,309	5	334	66.8	0	1,643	2.063	3,388
2016	1,318	5	334	66.8	0	1,652	2.063	3,407
2017	1,327	5	334	66.8	0	1,661	2.063	3,425
2018	1,336	5	334	66.8	0	1,670	2.063	3,444
2019	1,345	5	334	66.8	0	1,679	2.063	3,462
2020	1,354	5	334	66.8	0	1,688	2.063	3,481
2025	1,399	5	334	66.8	0	1,733	2.063	3,574
2030	1,444	5	334	66.8	0	1,778	2.063	3,667
2035	1,489	5	334	66.8	0	1,823	2.063	3,759
2040	1,534	5	334	66.8	0	1,868	2.063	3,852

Notes: linear extrapolation used to estimated MFR-DU from 2000. Estimate extend until 2011 due to reclassification, afterwards a constant MFR Unit Density is used.

^ | ACTUAL
PROJECTED

^ | ACTUAL
PROJECTED

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Tuesday, September 01, 2015 1:36 PM
To: 'Lorelei Oviatt (LoreleiO@co.kern.ca.us)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Whitley, Chris; Valles, Rudy
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Antelope Valley District
Attachments: Letter to City Planning Officials - Attachmet - AV.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Tracking:	Recipient	Delivery
	'Lorelei Oviatt (LoreleiO@co.kern.ca.us)'	
	Salzano, Tom	Delivered: 9/1/2015 1:36 PM
	Bolzowski, Michael R.	Delivered: 9/1/2015 1:36 PM
	Keck, Jonathan	Delivered: 9/1/2015 1:36 PM
	Whitley, Chris	Delivered: 9/1/2015 1:36 PM
	Valles, Rudy	Delivered: 9/1/2015 1:36 PM

Dear Ms. Oviatt,

Pursuant to California Water Code, Division 6, Part 2.6, Sections 10610 through 10656, California Water Service is in the process of preparing the required 2015 update of our Urban Water Management Plans. These plans are required to be updated every five (5) years for each of our services areas (Districts). As you know our Antelope Valley District provides water service to the Kern County.

The purpose of this communication is to solicit your assistance in reviewing and advising us with respect to one of the key elements of the plan, which is the development of a growth forecast for our district. This growth forecast is conducted based on growth in each customer service classification applicable to a particular district, which typically include:

- Single family residential
- Multi-family residential
- Commercial
- Industrial
- Government (City or County parks, median strips, landscaping and schools)
- Dedicated Irrigation (rare)
- Other (temporary construction meters)

The forecasted growth rates are combined with a demand per service factor applicable to each customer class to determine the future water demands for the district. These growth factors are adjustable and we want to review them with you so that we are consistent with anticipated growth that your planning efforts forecast. If adjustments are necessary we can do them now and avoid conflicts and confusion later in this process.

Some specific information regarding our approach to forecasting customer service growth is detailed as follows:

- **Residential** – Typically two residential customer service categories represent the vast majority of the service counts as well as subsequent water sales or demand in our districts. Cal Water considers both single family and multi-family residential services independently as individual classes, but combines them together in order to assess population growth and housing unit growth. While we use historical trends in the establishment for the growth rates for these two customer classes, we also analyze census

data for population and housing factors and compare our forecast results for these two parameters with available data from City General Plans, as well as County Economic Forecast data and Regional government association forecasts as a reality or appropriateness check of our results.

- **Commercial & Industrial** – Historical trend is a key influence in this customer class, however where we have seen negative trends in recent years for these categories due to the economic downturn, we typically employ either a zero rate of growth or a small, reasonable positive rate of growth. We have also undertaken during the last ten years some reassessment of customer service classifications that has resulted in reallocation of some customer service accounts between various classes. This reallocation, which included commercial, industrial, multi-family residential and in some cases government services, has made the analysis of growth a bit more difficult.
- **Government** – Growth trends are generally parallel to that of the residential sector, so we verify that our rate of grow is not dramatically out-of-sequence with the overall community.
- **Other** – The use of temporary-assigned construction meters varies considerably from year to year, and can represent considerable water demand. In this case, we select a growth rate that is stable, yet reflects the overall growth of the community.

We have included with this communication a set of tables and graphs (see attachment) that illustrate the parameters that influence the growth forecast as currently set up for this district. These include:

- A. The historical and projected service data in both graph and table form
- B. The 2000 and 2010 Census data for the districts service area
- C. Housing projection chart comparing Cal Water’s forecast (always in red) with those from other organizations
- D. Population projection chart comparing Cal Water’s forecast (always in red) with those from other organizations
- E. Table of population and housing values along with multi-family residential unit density and persons per housing unit density that are employed in this forecast effort.

Please note that the 2015 data, which we need to include in our finished forecast, is not yet final, and some minor fluctuation of these values is possible.

Please examine these documents to determine if you concur with our forecasted housing and population numbers. It would be greatly appreciated if you could, by **September 18, 2015**, provide us with an indication of your support or in the case you do not agree with our forecast a reason why and the appropriate rate or growth pattern that we should employ. **If I do not hear back from you by the end of business (EOB) on the above date I will assume that you concur with our forecast.**

If you need a more detailed explanation of these numbers or want to review them with us please feel free to contact me at (408) 367-8340 or by email at tsalzano@calwater.com.

Thank you for your assistance in this effort.

Respectfully,

Thomas A. Salzano

Thomas A. Salzano
Water Resource Planning Supervisor

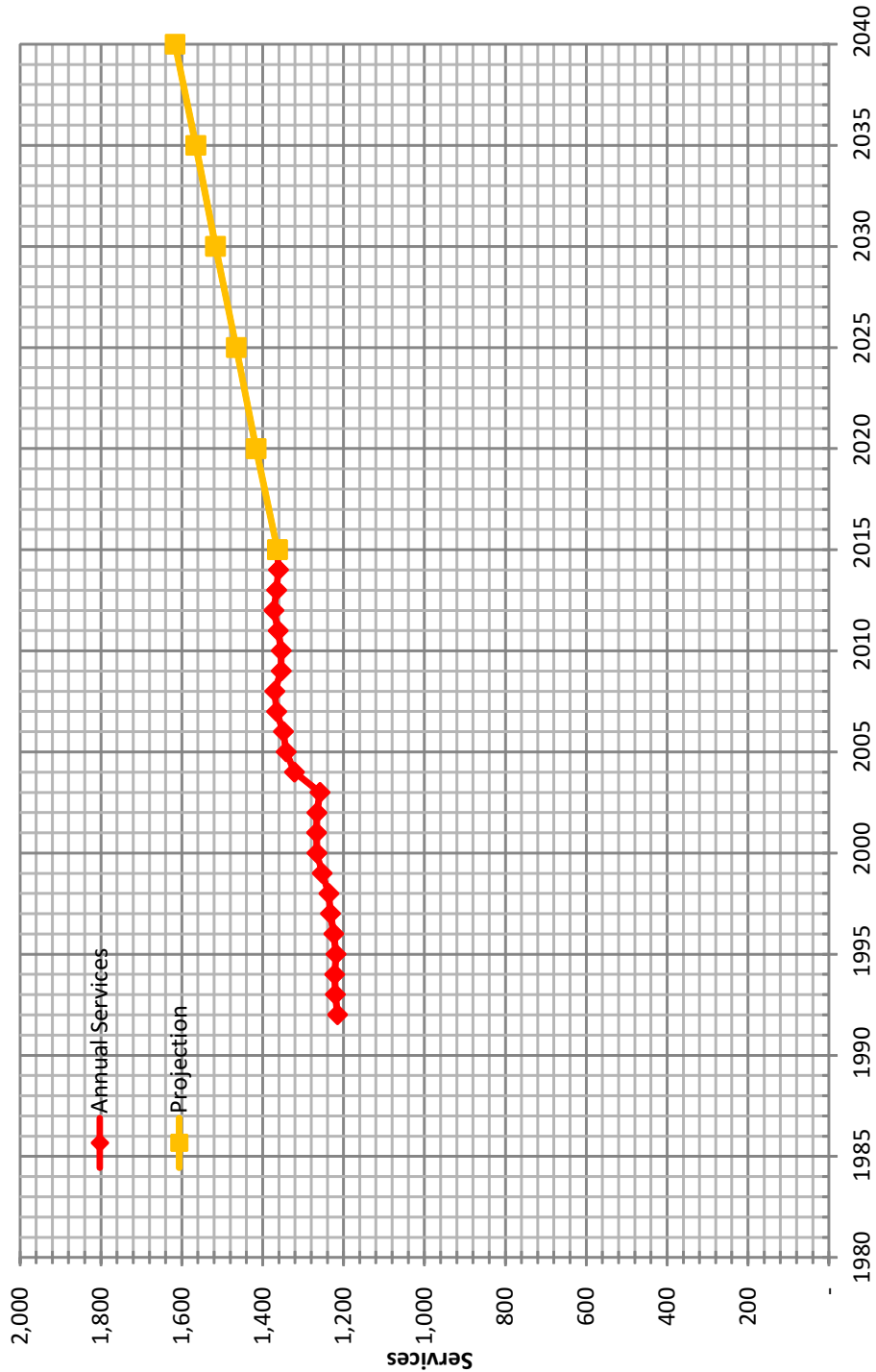
Danilo Blanusa, P.E.
Senior Engineer

CALIFORNIA WATER SERVICE
408-367-8387



Quality. Service. Value.
calwater.com

Historical & Projected Services



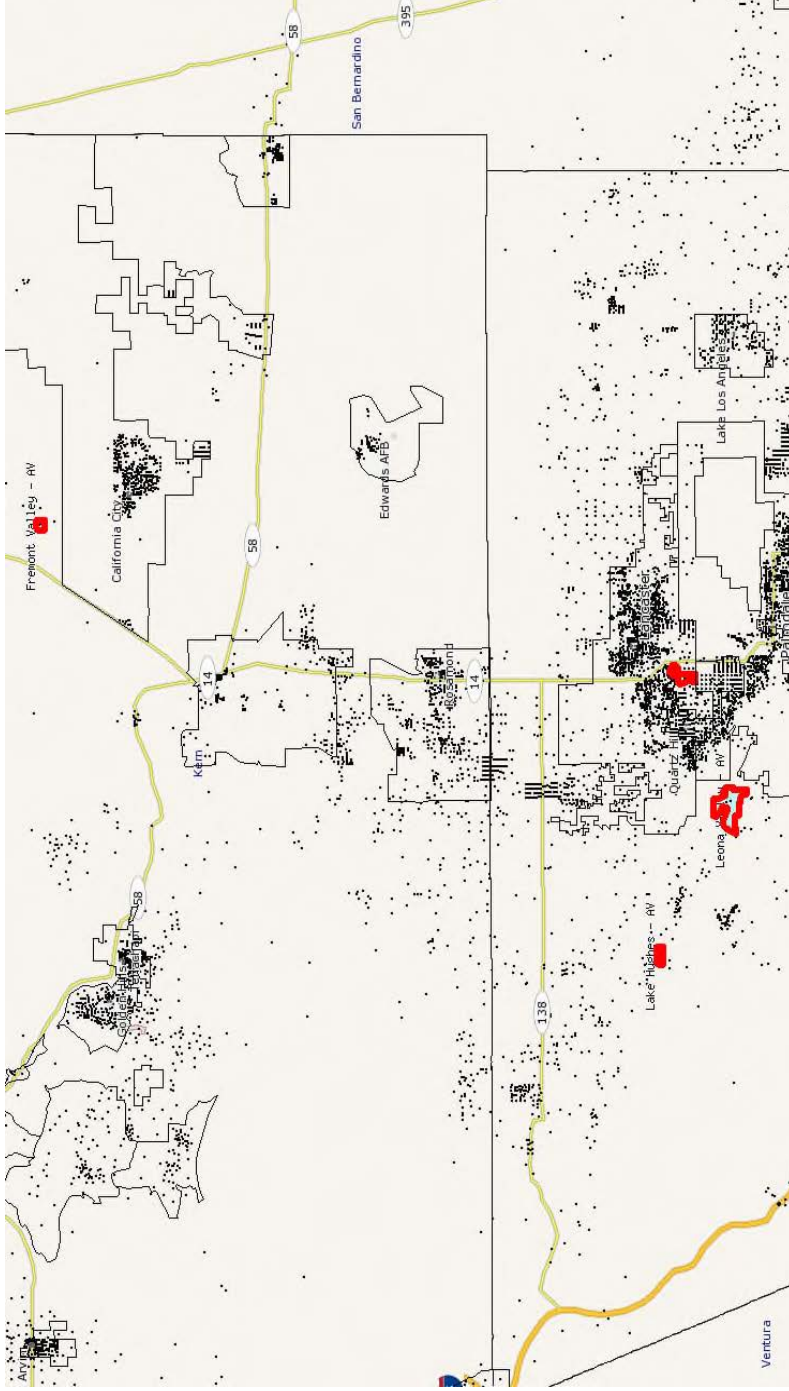
**California Water Service Company - Antelope Valley District
Water Supply and Demand Analysis and Projections
Actual & Projected Annual Average Services**

Consolidated

Customer Category	Selected Trend	Growth Rate	Actual Services				Projected Services								
			2000	2005	2010	2015	2015	2020	2025	2030	2035	2040			
SFR		0.64%	1,212	1,287	1,298	1,309	1,354	1,399	1,444	1,489	1,534				
MFR		0.00%	10	7	5	5	5	5	5	5	5				
COM		1.88%	33	36	37	36	41	44	49	52	57				
IND		0.00%	0	0	0	0	0	0	0	0	0				
GOV		1.73%	12	12	14	14	17	18	19	20	21				
OTH		0.00%	0	0	0	0	0	0	0	0	0				
TOTAL	Average growth rate 2011-2040	0.68%	1,266	1,342	1,354	1,364	1,417	1,466	1,517	1,566	1,617				

Notes:

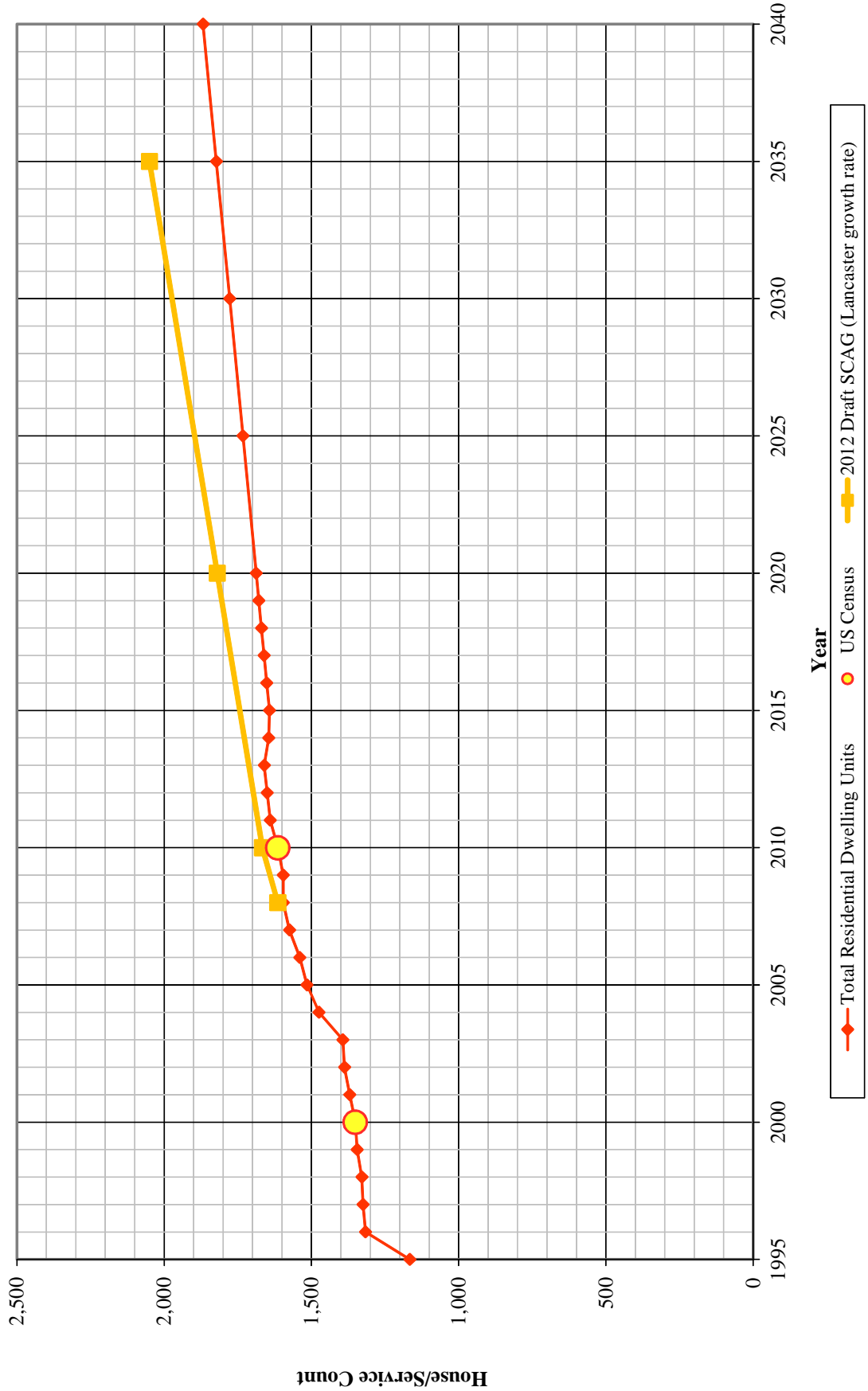
California Water Service Company - Antelope Valley District Water Supply and Demand Analysis and Projections



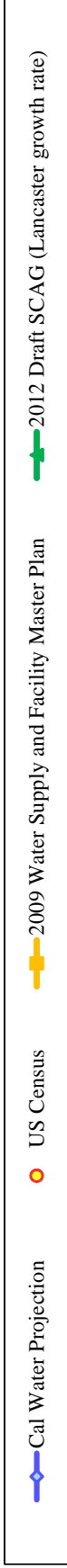
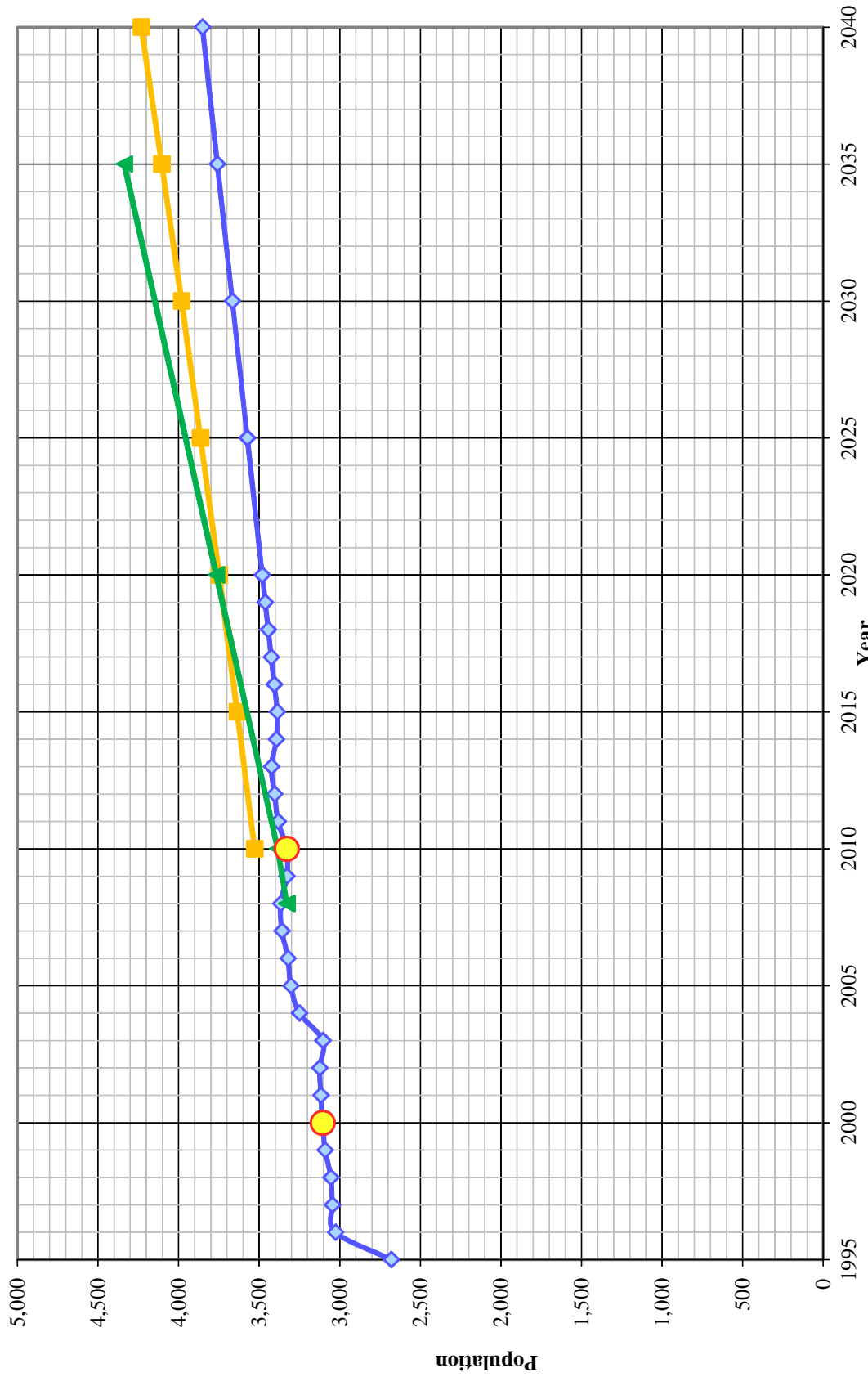
System	US Census 2000 Summary			US Census 2010 Summary			2000-2010 Change				
	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Lake Hughes	18	159	113	1.41	14	258	178	1.45	62.3%	57.5%	3.0%
Leona Valley	9	1,103	423	2.61	13	1,206	508	2.37	9.3%	20.1%	-9.0%
Fremont Valley	15	129	72	1.79	12	109	80	1.36	-15.5%	11.1%	-24.0%
Lancaster	35	1,715	743	2.31	27	1,756	848	2.07	2.4%	14.1%	-10.3%
	77	3,106	1,351	2.30	66	3,329	1,614	2.06	58.5%	102.9%	-40.2%

MARPLOT disclaimer: The population and housing number given above are only rough estimates. They are based on the US Census Blocks. Although Census Blocks are polygons, MARPLOT uses the centroid, or center point, rather than the entire polygon. If a Census Block centroid is within any of the MARPLOT selected objects, the population and housing numbers for that block are tallied, even if only part of the block is within the selected object. It is possible for a block not be counted if its centroid is not within selected objects, even though part of the block is within the selected objects.

Housing Projections



Population Projections



California Water Service Company - Antelope Valley District Water Supply and Demand Analysis and Projections Population Estimate

Year	US Census		Persons per Housing Unit	Single Family Residential		Multi Family Residential		Flat Rate Residential Services (DU)
	Population	Housing Units		Residential Services (DU)	Residential Units (DU)	Services	Unit Density	
2000	3,106	1,351	2.299	1,212	10	140	14.4	0
2010	3,329	1,614	2.063	1,298	5	316	61.2	0
	7.2%	19.5%	-10.3%	7.1%		126.8%	324.4%	0.0%

Year	Single Family Residential Services (DU)		Multi Family Residential		Flat Rate Residential Services (DU)	Total Residential Dwelling Units	Persons per Housing Unit	Estimated District Population
	Residential Services (DU)	Services	Residential Units (DU)	Unit Density				
1995	1,166	0	0	14.4	0	1,166	2.299	2,680
1996	1,172	10	144	14.4	0	1,316	2.299	3,026
1997	1,181	10	144	14.4	0	1,325	2.299	3,046
1998	1,185	10	144	14.4	0	1,329	2.299	3,055
1999	1,200	10	144	14.4	0	1,345	2.299	3,091
2000	1,212	10	140	14.4	0	1,351	2.299	3,106
2001	1,213	10	157	15.7	0	1,370	2.275	3,117
2002	1,213	9	175	18.9	0	1,388	2.252	3,124
2003	1,201	10	193	19.9	0	1,393	2.228	3,104
2004	1,264	10	210	21.0	0	1,474	2.204	3,250
2005	1,287	7	228	31.4	0	1,515	2.181	3,304
2006	1,294	8	246	32.0	0	1,540	2.157	3,321
2007	1,311	6	263	42.1	0	1,574	2.134	3,359
2008	1,315	5	281	56.2	0	1,596	2.110	3,367
2009	1,297	6	299	52.0	0	1,596	2.086	3,329
2010	1,298	5	316	61.2	0	1,614	2.063	3,329
2011	1,306	5	334	66.8	0	1,640	2.063	3,383
2012	1,316	5	334	66.8	0	1,650	2.063	3,404
2013	1,309	5	351	66.8	0	1,660	2.063	3,424
2014	1,306	5	340	66.8	0	1,645	2.063	3,393
2015	1,309	5	334	66.8	0	1,643	2.063	3,388
2016	1,318	5	334	66.8	0	1,652	2.063	3,407
2017	1,327	5	334	66.8	0	1,661	2.063	3,425
2018	1,336	5	334	66.8	0	1,670	2.063	3,444
2019	1,345	5	334	66.8	0	1,679	2.063	3,462
2020	1,354	5	334	66.8	0	1,688	2.063	3,481
2025	1,399	5	334	66.8	0	1,733	2.063	3,574
2030	1,444	5	334	66.8	0	1,778	2.063	3,667
2035	1,489	5	334	66.8	0	1,823	2.063	3,759
2040	1,534	5	334	66.8	0	1,868	2.063	3,852

Notes: linear extrapolation used to estimated MFR-DU from 2000. Estimate extend until 2011 due to reclassification, afterwards a constant MFR Unit Density is used.

^
|
ACTUAL
PROJECTED
^
|
ACTUAL
PROJECTED

Blanusa, Danilo

From: Max Thelander <MThelander@planning.lacounty.gov>
Sent: Monday, September 21, 2015 12:00 PM
To: Salzano, Tom
Cc: Bolzowski, Michael R.; Blanusa, Danilo; Ojeda, Jose; Whitley, Chris
Subject: RE: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Antelope Valley District

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Blue Category

Tom,

Thank you very much for that explanation of your process. It sounds like you have already conducted more in-depth analysis of the sort we were looking for in the Water Supply & Facility Master Plan that you mentioned. Would you be able to share that document with us?

Thank you also for sending the shape file. I have forwarded it to our GIS section and asked them to develop a housing and population forecast for your service area, based on the buildout model for the Antelope Valley Area Plan. I am told that this is a fairly simple procedure, and so we should be able to share some of those findings with you within the next week or so.

Best,
Max

Max Thelander
Community Studies North, Advance Planning Division
Los Angeles County Department of Regional Planning
(213) 974-6476
mthelander@planning.lacounty.gov

From: Salzano, Tom [mailto:TSalzano@calwater.com]
Sent: Friday, September 18, 2015 4:01 PM
To: Max Thelander
Cc: Bolzowski, Michael R.; Blanusa, Danilo; Ojeda, Jose; Whitley, Chris
Subject: FW: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Antelope Valley District

Mr. Thelander,

Thank you for your very insightful review and comments regarding the growth forecasts for our Antelope Valley District. As you point out the growth in housing units and population between 2000 and 2010 was much more robust than it has been during the past five years and what we forecast for the future. We conducted a Water Supply & Facility Master Plan several years ago, which revealed how constrained our service areas are regarding growth potential. While we have placed a line on the graphs illustrating what would happen in our service area were they to grow at the same rate identified in the 2012 SCAG projections for the remainder of the Lancaster, I am not sure that there is sufficient property in our service areas to grow at that same rate.

As you requested I have attached a shape file for the Antelope Valley systems. Please note that it includes service area maps for the following four service areas

- Fremont Valley ○ CPUC approved
- Lancaster ○ Not CPUC approved
- Lake Hughes ○ Not CPUC approved
- Leona Valley ○ Not CPUC approved

It would be greatly appreciated if your staff could provide the offered analysis using the resources prepared for the recently adopted Antelope Valley Area Plan. Modifying our growth rates to fit a different growth pattern is an easy undertaking, so any thing you can provide in a timely manner that would either support or contradict our growth forecasts be a definite benefit. Please let me know if your staff has any questions regarding the attached shape files and I will put them in touch with our mapping group.

Thanks You

Tom

Thomas A. Salzano

Water Resource Planning Supervisor

California Water Service

1720 North First Street, San Jose, CA 95112-4598

(408) 367-8340

tsalzano@calwater.com

From: Goerzen, Corey

Sent: Friday, September 18, 2015 1:28 PM

To: Bolzowski, Michael R.

Cc: Salzano, Tom; Blanusa, Danilo; Panthalingal, Madhu

Subject: RE: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Antelope Valley District

Hello,

Attached is a shapefile for the Antelope Valley systems.

- Fremont Valley
 - CPUC approved
- Lancaster
 - Not CPUC approved
- Lake Hughes
 - Not CPUC approved
- Leona Valley
 - Not CPUC approved

thanks

From: Max Thelander [<mailto:MThelander@planning.lacounty.gov>]
Sent: Thursday, September 17, 2015 9:41 AM
To: Salzano, Tom; Blanusa, Danilo
Cc: Elaine Sainz; Mark Child; Susan Tae
Subject: RE: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Antelope Valley District

Dear Mr. Salzano,

Please see the attached comment letter from the Department of Regional Planning, regarding the growth forecast for Cal Water's Urban Water Management Plan, Antelope Valley District.

Thank you.

Max Thelander

Community Studies North, Advance Planning Division
Los Angeles County Department of Regional Planning
(213) 974-6476
mthelander@planning.lacounty.gov

From: Blanusa, Danilo [<mailto:dblanusa@calwater.com>]
Sent: Tuesday, September 01, 2015 1:42 PM
To: Richard Bruckner
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Whitley, Chris; Valles, Rudy
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Antelope Valley District

Dear Mr. Bruckner,

Pursuant to California Water Code, Division 6, Part 2.6, Sections 10610 through 10656, California Water Service is in the process of preparing the required 2015 update of our Urban Water Management Plans. These plans are required to be updated every five (5) years for each of our services areas (Districts). As you know our Antelope Valley District provides water service to the County of Los Angeles.

The purpose of this communication is to solicit your assistance in reviewing and advising us with respect to one of the key elements of the plan, which is the development of a growth forecast for our district. This growth forecast is conducted based on growth in each customer service classification applicable to a particular district, which typically include:

- Single family residential
- Multi-family residential
- Commercial
- Industrial
- Government (City or County parks, median strips, landscaping and schools)
- Dedicated Irrigation (rare)
- Other (temporary construction meters)

The forecasted growth rates are combined with a demand per service factor applicable to each customer class to determine the future water demands for the district. These growth factors are adjustable and we want to review them with you so that we are consistent with anticipated growth that your planning efforts forecast. If adjustments are necessary we can do them now and avoid conflicts and confusion later in this process.

Some specific information regarding our approach to forecasting customer service growth is detailed as follows:

- **Residential** – Typically two residential customer service categories represent the vast majority of the service counts as well as subsequent water sales or demand in our districts. Cal Water considers both single family and multi-family residential services independently as individual classes, but combines them together in order to assess population growth and housing unit growth. While we use historical trends in the establishment for the growth rates for these two customer classes, we also analyze census data for population and housing factors and compare our forecast results for these two parameters with available data from City General Plans, as well as County Economic Forecast data and Regional government association forecasts as a reality or appropriateness check of our results.
- **Commercial & Industrial** – Historical trend is a key influence in this customer class, however where we have seen negative trends in recent years for these categories due to the economic downturn, we typically employ either a zero rate of growth or a small, reasonable positive rate of growth. We have also undertaken during the last ten years some reassessment of customer service classifications that has resulted in reallocation of some customer service accounts between various classes. This reallocation, which included commercial, industrial, multi-family residential and in some cases government services, has made the analysis of growth a bit more difficult.
- **Government** – Growth trends are generally parallel to that of the residential sector, so we verify that our rate of grow is not dramatically out-of-sequence with the overall community.
- **Other** – The use of temporary-assigned construction meters varies considerably from year to year, and can represent considerable water demand. In this case, we select a growth rate that is stable, yet reflects the overall growth of the community.

We have included with this communication a set of tables and graphs (see attachment) that illustrate the parameters that influence the growth forecast as currently set up for this district. These include:

- A. The historical and projected service data in both graph and table form
- B. The 2000 and 2010 Census data for the districts service area
- C. Housing projection chart comparing Cal Water’s forecast (always in red) with those from other organizations
- D. Population projection chart comparing Cal Water’s forecast (always in red) with those from other organizations
- E. Table of population and housing values along with multi-family residential unit density and persons per housing unit density that are employed in this forecast effort.

Please note that the 2015 data, which we need to include in our finished forecast, is not yet final, and some minor fluctuation of these values is possible.

Please examine these documents to determine if you concur with our forecasted housing and population numbers. It would be greatly appreciated if you could, by **September 18, 2015**, provide us with an indication of your support or in the case you do not agree with our forecast a reason why and the appropriate rate or growth pattern that we should employ. **If I do not hear back from you by the end of business (EOB) on the above date I will assume that you concur with our forecast.**

If you need a more detailed explanation of these numbers or want to review them with us please feel free to contact me at (408) 367-8340 or by email at tsalzano@calwater.com.

Thank you for your assistance in this effort.

Respectfully,

Thomas A. Salzano

Thomas A. Salzano
Water Resource Planning Supervisor

Danilo Blanusa, P.E.

Senior Engineer

CALIFORNIA WATER SERVICE

408-367-8387



Quality. Service. Value.

calwater.com

This e-mail and any of its attachments may contain California Water Service Group proprietary information and is confidential. This e-mail is intended solely for the use of the individual or entity to which it is addressed. If you are not the intended recipient of this e-mail, please notify the sender immediately by replying to this e-mail and then deleting it from your system.

This e-mail and any of its attachments may contain California Water Service Group proprietary information and is confidential. This e-mail is intended solely for the use of the individual or entity to which it is addressed. If you are not the intended recipient of this e-mail, please notify the sender immediately by replying to this e-mail and then deleting it from your system.

Appendix C: Correspondences

- UWMP Public Draft Comments

Note: There were no public comments on the UWMP Public Draft.