

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 Los Altos 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 Los Altos Customer Center located at 949 B Street, Los Altos, CA 94024.

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". The signature is written in a cursive style.

Scott Wagner
Director of Capital Planning & Water Resources

Council Member Paul
Council Member
City of Cupertino
949 B Street
Los Altos, CA 94024
dpaul@cupertino.org

Council Member Wong
Council Member
City of Cupertino
949 B Street
Los Altos, CA 94024
gwong@cupertino.org

Vice Mayor Vaidhyanathan
Vice Mayor
City of Cupertino
949 B Street
Los Altos, CA 94024
svaidhyanathan@cupertino.org

Gary Chao
City Planner
City of Cupertino Planning Department
949 B Street
Los Altos, CA 94024
garyc@cupertino.org

Council Member Corrigan
Council Member
City of Los Altos Hills
949 B Street
Los Altos, CA 94024
cccorrigan@losaltoshills.ca.gov

Council Member Spreen
Council Member
City of Los Altos Hills
949 B Street
Los Altos, CA 94024
lah.spreen@gmail.com

Mayor Pro Tem Waldeck
Mayor Pro Tem
City of Los Altos Hills
949 B Street
Los Altos, CA 94024
gcwaldeck@losaltoshills.ca.gov

Council Member Sinks
Council Member
City of Cupertino
949 B Street
Los Altos, CA 94024
rsinks@cupertino.org

Mayor Chang
Mayor
City of Cupertino
949 B Street
Los Altos, CA 94024
bchang@cupertino.org

David Brandt
City Manager
City of Cupertino Planning Department
10300 Torre Avenue
Cupertino, CA 95014
manager@cupertino.org

Jim Gustafson
Public Works Director
City of Los Altos Engineering Division
949 B Street
Los Altos, CA 94024
jgustafson@losaltosca.gov

Council Member Radford
Council Member
City of Los Altos Hills
949 B Street
Los Altos, CA 94024
jradford2011@yahoo.com

Mayor Harpootlian
Mayor
City of Los Altos Hills
949 B Street
Los Altos, CA 94024
john.harpootlian@gmail.com

Council Member Clark
Council Member
City of Mountain View
949 B Street
Los Altos, CA 94024
Chris.Clark@mountainview.gov

Council Member Inks
Council Member
City of Mountain View
949 B Street
Los Altos, CA 94024
John.Inks@mountainview.gov

Council Member McAlister
Council Member
City of Mountain View
949 B Street
Los Altos, CA 94024
john.mcalister@mountainview.gov

Mayor Showalter
Mayor
City of Mountain View
949 B Street
Los Altos, CA 94024
Pat.Showalter@mountainview.gov

Michael Fuller
Public Works Director
City of Mountain View Planning Division
949 B Street
Los Altos, CA 94024
michael.fuller@mountainview.gov

Council Member Griffith
Council Member
City of Sunnyvale
949 B Street
Los Altos, CA 94024
griffith@dweeb.org

Council Member Meyering
Council Member
City of Sunnyvale
949 B Street
Los Altos, CA 94024
pat.meyering@gmail.com

Mayor Hendricks
Mayor
City of Sunnyvale
949 B Street
Los Altos, CA 94024
ghendricks@sunnyvale.ca.gov

Council Member Kasperzak
Council Member
City of Mountain View
949 B Street
Los Altos, CA 94024
Michael.kasperzak@mountainview.gov

Council Member Siegel
Council Member
City of Mountain View
949 B Street
Los Altos, CA 94024
Lenny.Siegel@mountainview.gov

Vice Mayor Rosenberg
Vice Mayor
City of Mountain View
949 B Street
Los Altos, CA 94024
Ken.Rosenberg@mountainview.gov

Council Member Davis
Council Member
City of Sunnyvale
949 B Street
Los Altos, CA 94024
jdavis@sunnyvale.ca.gov

Council Member Martin-Milius
Council Member
City of Sunnyvale
949 B Street
Los Altos, CA 94024
taraforcouncil@gmail.com

Council Member Whittum
Council Member
City of Sunnyvale
949 B Street
Los Altos, CA 94024
DWhittum@sunnyvale.ca.gov

Vice Mayor Larsson
Vice Mayor
City of Sunnyvale
949 B Street
Los Altos, CA 94024
GLarsson@sunnyvale.ca.gov

Kent Steffens
Director of Public Works
City of Sunnyvale, Public Works Department
949 B Street
Los Altos, CA 94024
ksteffens@sunnyvale.ca.gov

Supervisor Simitian
Supervisor
Santa Clara County
949 B Street
Los Altos, CA 94024
supervisor.simitian@bos.sccgov.org

James O'Brien
Santa Clara Valley Water District
949 B Street
Los Altos, CA 94024
JOBrien@valleywater.org

Supervisor Cortese
Supervisor
Santa Clara County
949 B Street
Los Altos, CA 94024
dave.cortese@bos.sccgov.org

Kirk Girard
Planning Manager
Santa Clara County Planning Office
949 B Street
Los Altos, CA 94024
kirk.girard@pln.sccgov.org

Debbie Pedro
Planning Director
Town of Los Altos Hills
949 B Street
Los Altos, CA 94024
dpedro@losaltoshills.ca.gov

Appendix C: Correspondences

- Growth Projection Letter to Cities and Counties

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Wednesday, August 19, 2015 3:22 PM
To: 'Jim Gustafson (jgustafson@losaltosca.gov)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Richardson, Ronald
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Los Altos Suburban District
Attachments: Letter to City Planning Officials - Attachmet - LAS.pdf

Tracking:	Recipient	Delivery
	'Jim Gustafson (jgustafson@losaltosca.gov)'	
	Salzano, Tom	Delivered: 8/19/2015 3:22 PM
	Bolzowski, Michael R.	Delivered: 8/19/2015 3:22 PM
	Keck, Jonathan	Delivered: 8/19/2015 3:22 PM
	Richardson, Ronald	Delivered: 8/19/2015 3:22 PM

Dear Mr. Gustafson,

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 Los Altos Suburban District provides water service to the City of Los Altos.

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 11, 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

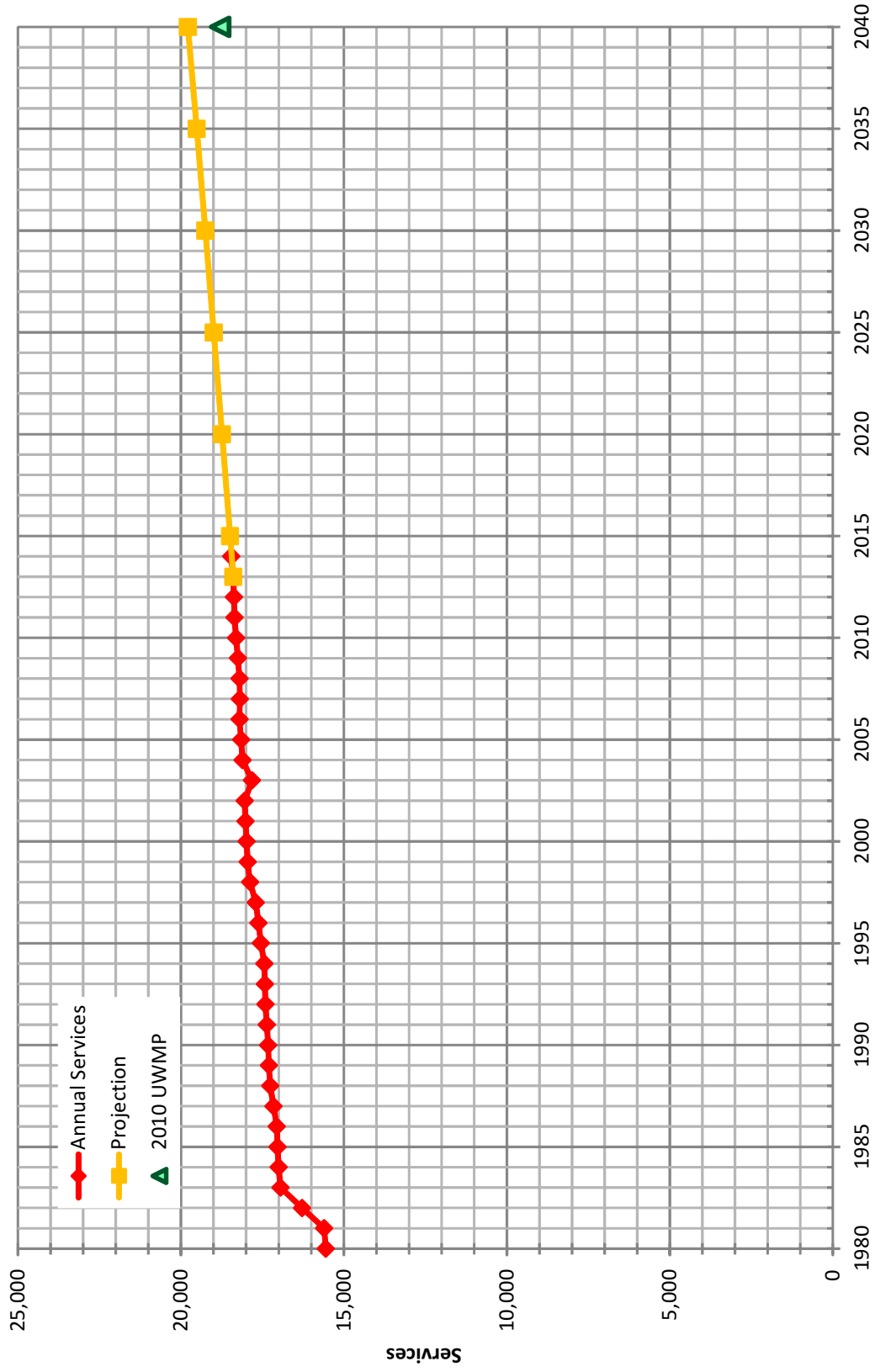
Thomas A. Salzano
Water Resource Planning Supervisor

Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE
408-367-8387



Quality. Service. Value.
calwater.com

Historical & Projected Services



California Water Service Company - Los Altos Suburban District

Water Supply and Demand Analysis and Projections

Actual & Projected Annual Average Services

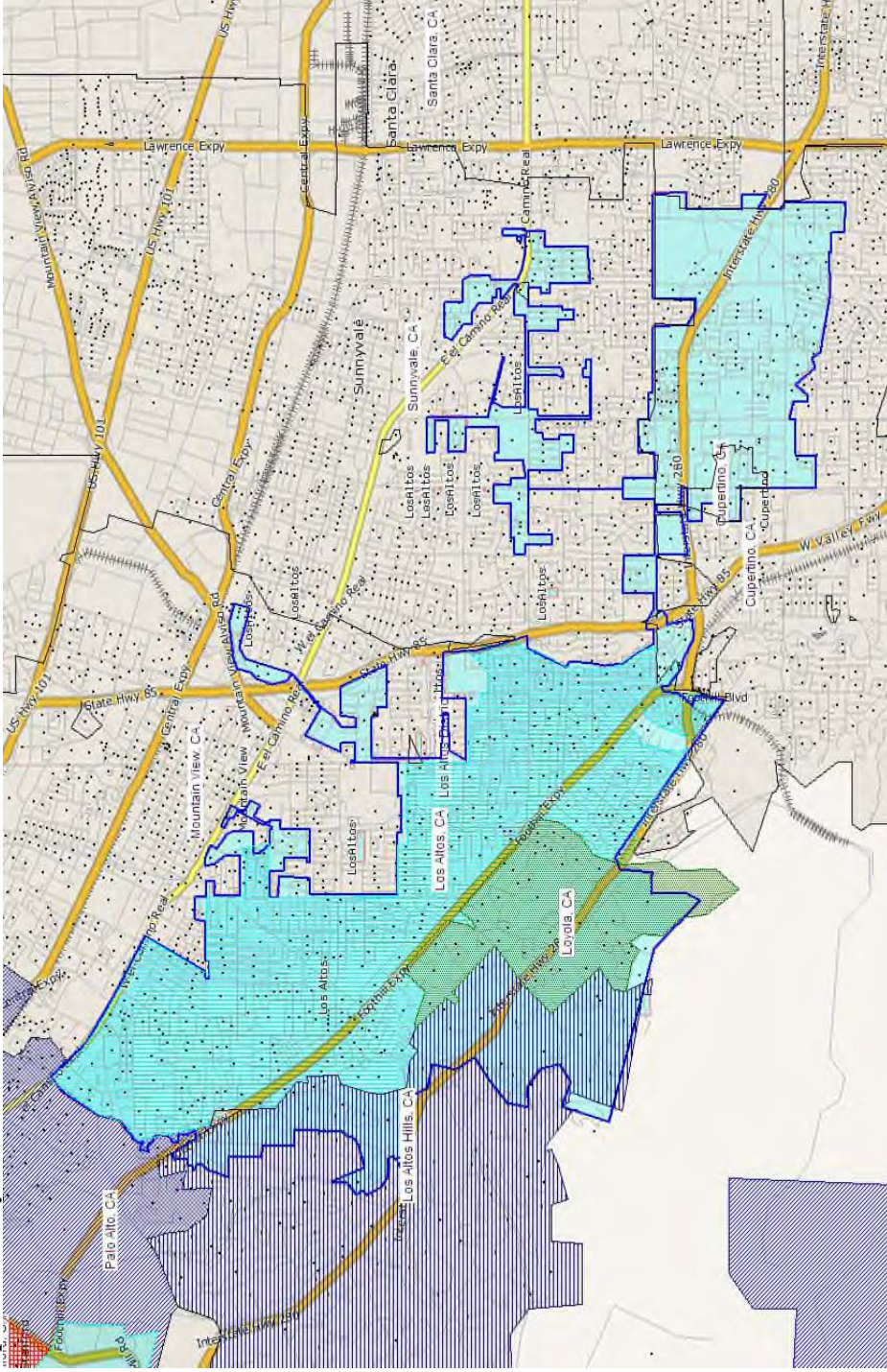
Customer Category	Selected Trend	Growth Rate	Actual Services				Projected Services										Total Increase from Base Year						
			2000	2005	2010	Base Year 2013	2015	2020	2025	2030	2035	2040											
SFR	SFR_E 20 Yr. Avg.	0.25%	16,575	16,711	16,784	16,841	16,925	17,137	17,352	17,570	17,790	18,013	18,236	18,460	18,684	18,908	19,132	19,356	19,580	19,804	20,028	1,172	
MFR	MFR_E User Defined = SCCEF	1.90%	119	119	149	159	165	181	199	219	240	264	288	312	336	360	384	408	432	456	480	504	105
COM	COM_C 10 Yr. Avg.	0.18%	1,068	1,092	1,151	1,156	1,160	1,170	1,181	1,191	1,202	1,213	1,224	1,235	1,246	1,257	1,268	1,279	1,290	1,301	1,312	1,323	57
IND	IND_A Zero Growth Rate	0.00%	7	7	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0
GOV	GOV_E 20 Yr. Avg.	0.93%	200	211	198	203	207	217	227	238	249	261	272	283	294	305	316	327	338	349	360	371	57
OTH	OTH_A Zero Growth Rate	0.00%	15	13	19	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
TOTAL	Average growth rate 2014-2040	0.27%	17,984	18,153	18,306	18,392	18,490	18,739	18,992	19,251	19,515	19,784	20,053	20,322	20,591	20,860	21,129	21,398	21,667	21,936	22,205	22,474	1,392

Number of units in given yr =	9,743	10,704	11,760	12,921	14,196	15,596
Increase in MFR units =	360	961	1,056	1,160	1,275	1,401

Percent of COM to Total	5.94%	6.01%	6.29%	6.28%	6.27%	6.25%	6.22%	6.19%	6.16%	6.13%
Percent of GOV to Total	1.11%	1.16%	1.08%	1.11%	1.12%	1.16%	1.20%	1.24%	1.28%	1.32%

Notes:

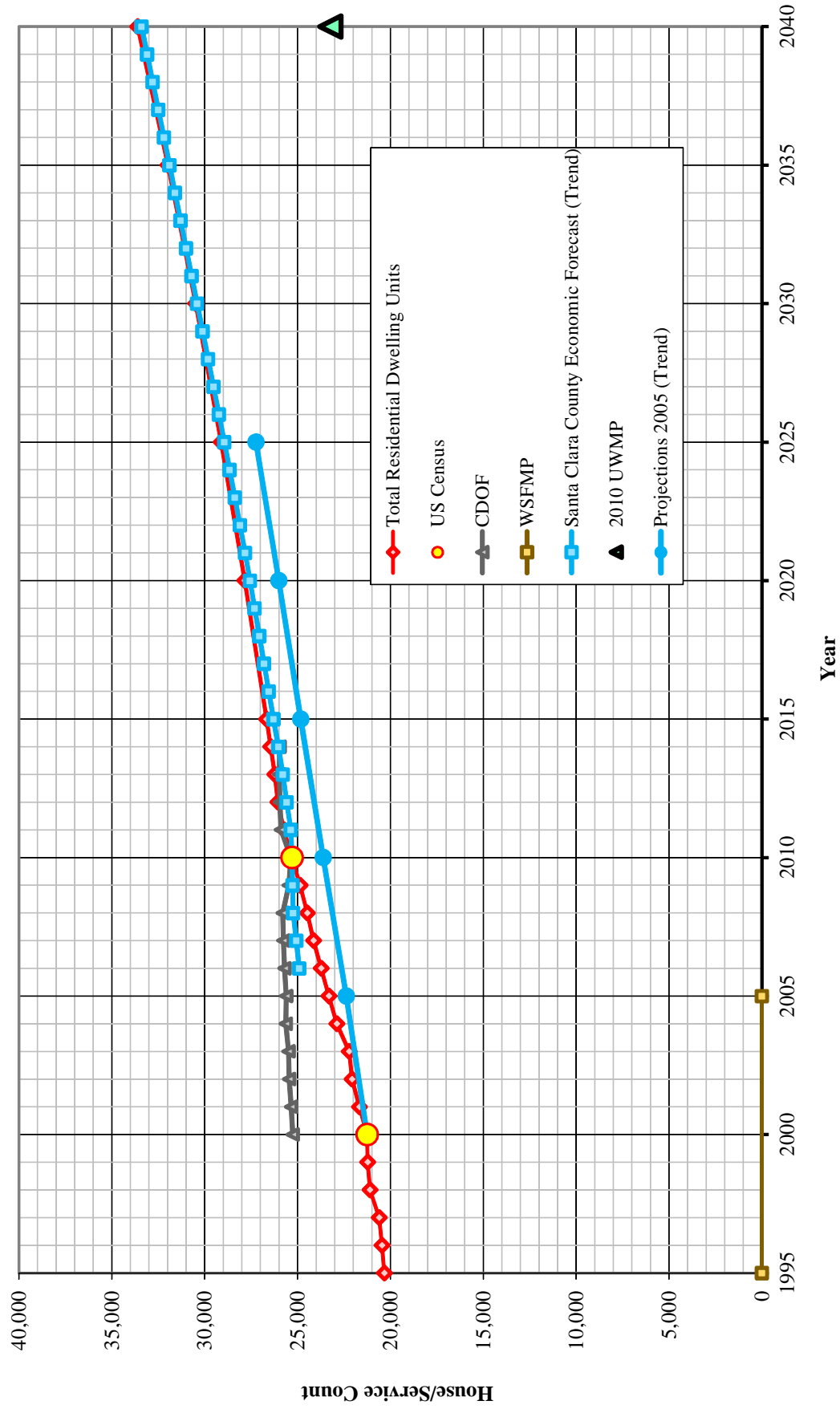
**California Water Service Company - Los Altos Suburban District
Water Supply and Demand Analysis and Projections
Marplot Summary**



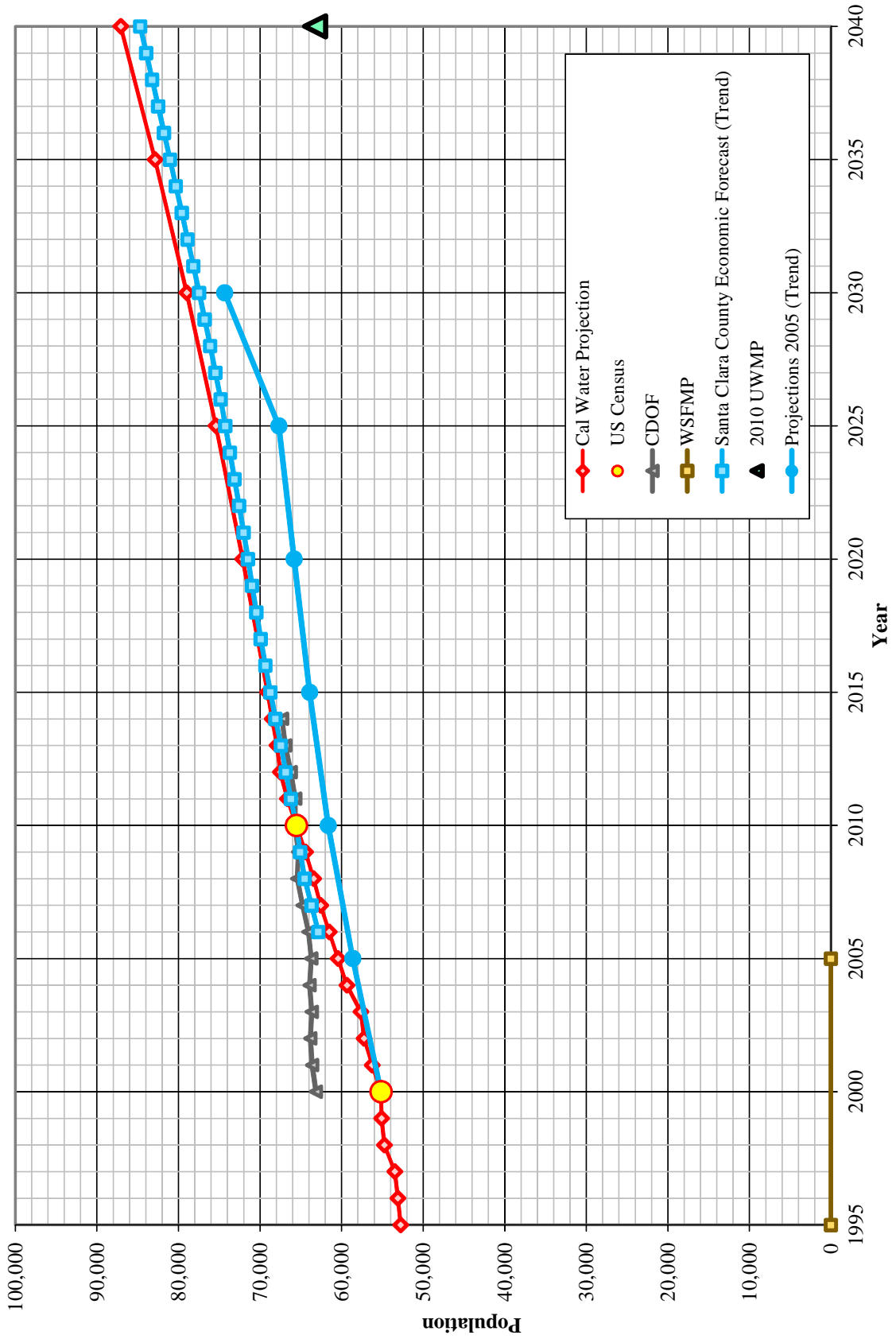
System	US Census 2000 Summary			US Census 2010 Summary			2000-2010 Change				
	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Los Alto Suburban	662	55,177	21,258	2.60	631	65,550	25,301	2.59	118.8%	119.0%	99.8%
	662	55,177	21,258	2.60	631	65,550	25,301	2.59	118.8%	119.0%	99.8%

MARPLOTT 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 - Los Altos Suburban 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)	Services	Units (DU)	Density	
2000	55,177	21,258	2.596	16,575	119	4,683	39.3	0
2010	65,550	25,301	2.591	16,784	149	8,517	57.0	0
	18.8%	19.0%	-0.2%	1.3%	25.6%	81.9%	44.9%	0.0%

Year	Single Family Residential Services (DU)	Multi Family Residential		Flat Rate Residential Services (DU)	Persons per Housing Unit	Total Residential Dwelling Units	Estimated District Population
		Services	Units (DU)				
1995	16,189	105	4,138	0	2.596	20,327	52,762
1996	16,252	107	4,204	0	2.596	20,456	53,094
1997	16,325	109	4,279	0	2.596	20,605	53,481
1998	16,479	117	4,617	0	2.596	21,096	54,755
1999	16,546	119	4,679	0	2.596	21,225	55,092
2000	16,575	119	4,683	0	2.596	21,258	55,177
2001	16,607	119	5,066	0	2.595	21,673	56,245
2002	16,618	119	5,449	0	2.595	22,067	57,256
2003	16,388	119	5,833	0	2.594	22,221	57,644
2004	16,671	119	6,216	0	2.594	22,887	59,362
2005	16,711	119	6,600	0	2.593	23,311	60,450
2006	16,748	119	6,983	0	2.593	23,731	61,529
2007	16,769	119	7,367	0	2.592	24,136	62,565
2008	16,728	136	7,750	0	2.592	24,478	63,442
2009	16,729	150	8,134	0	2.591	24,862	64,425
2010	16,784	149	8,517	0	2.591	25,301	65,550
2011	16,829	151	8,900	0	2.591	25,729	66,660
2012	16,831	156	9,230	0	2.591	26,061	67,519
2013	16,841	159	9,383	0	2.591	26,223	67,940
2014	16,883	162	9,561	0	2.591	26,444	68,511
2015	16,925	165	9,743	0	2.591	26,668	69,090
2020	17,137	181	10,704	0	2.591	27,841	72,131
2025	17,352	199	11,760	0	2.591	29,112	75,424
2030	17,570	219	12,921	0	2.591	30,490	78,994
2035	17,790	240	14,196	0	2.591	31,986	82,868
2040	18,013	264	15,596	0	2.591	33,609	87,075

^ | ACTUAL
 ^ | PROJECTED
 | V

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.

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Wednesday, August 19, 2015 3:26 PM
To: 'Michael Fuller (michael.fuller@mountainview.gov)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Richardson, Ronald
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Los Altos Suburban District
Attachments: Letter to City Planning Officials - Attachmet - LAS.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Tracking:	Recipient	Delivery
	'Michael Fuller (michael.fuller@mountainview.gov)'	
	Salzano, Tom	Delivered: 8/19/2015 3:26 PM
	Bolzowski, Michael R.	Delivered: 8/19/2015 3:26 PM
	Keck, Jonathan	Delivered: 8/19/2015 3:26 PM
	Richardson, Ronald	Delivered: 8/19/2015 3:26 PM

Dear Mr. Fuller,

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 Los Altos Suburban District provides water service to the City of Mountain View.

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 11, 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

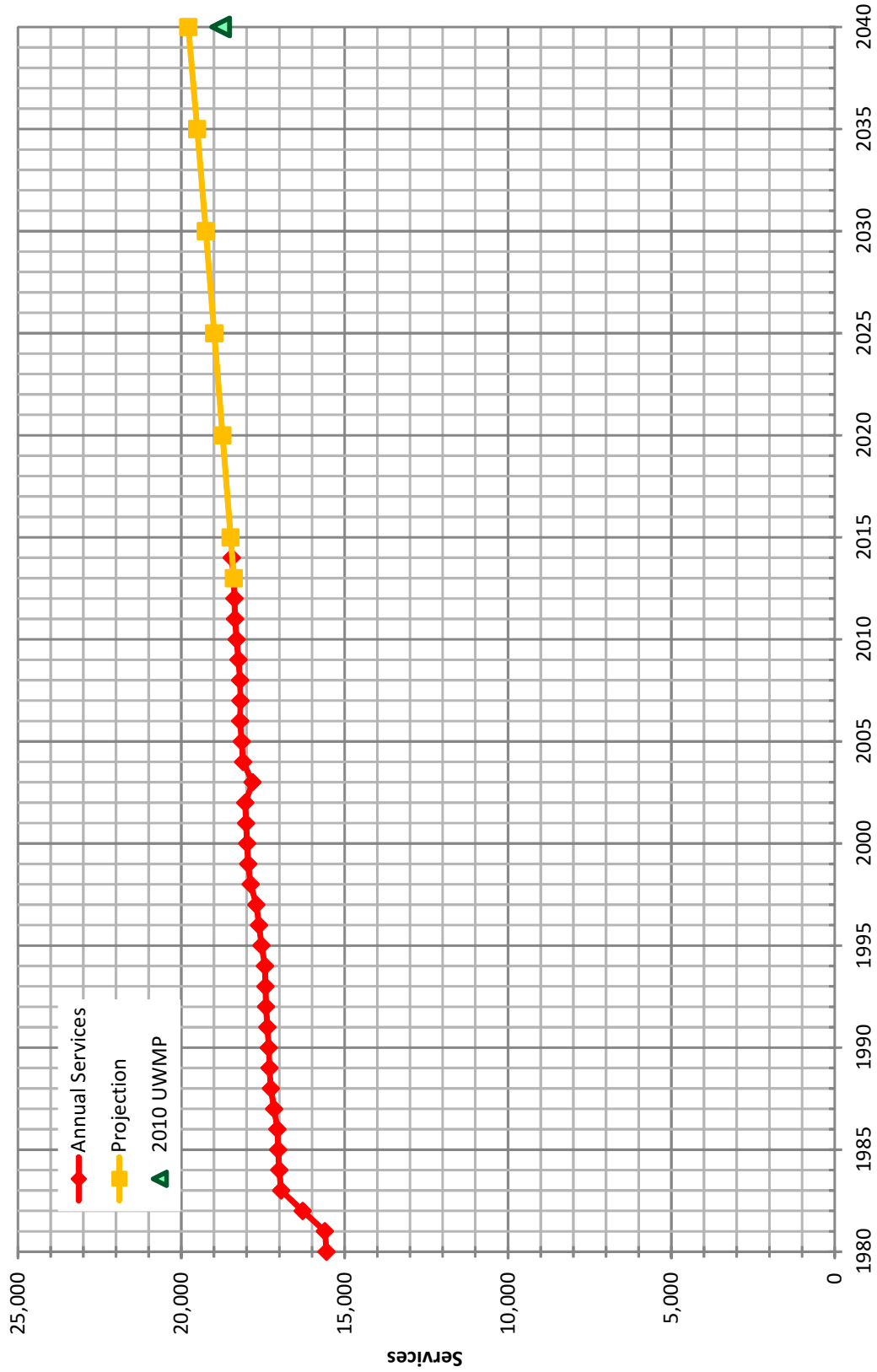
Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE

408-367-8387



Quality. Service. Value.
calwater.com

Historical & Projected Services



California Water Service Company - Los Altos Suburban District

Water Supply and Demand Analysis and Projections

Actual & Projected Annual Average Services

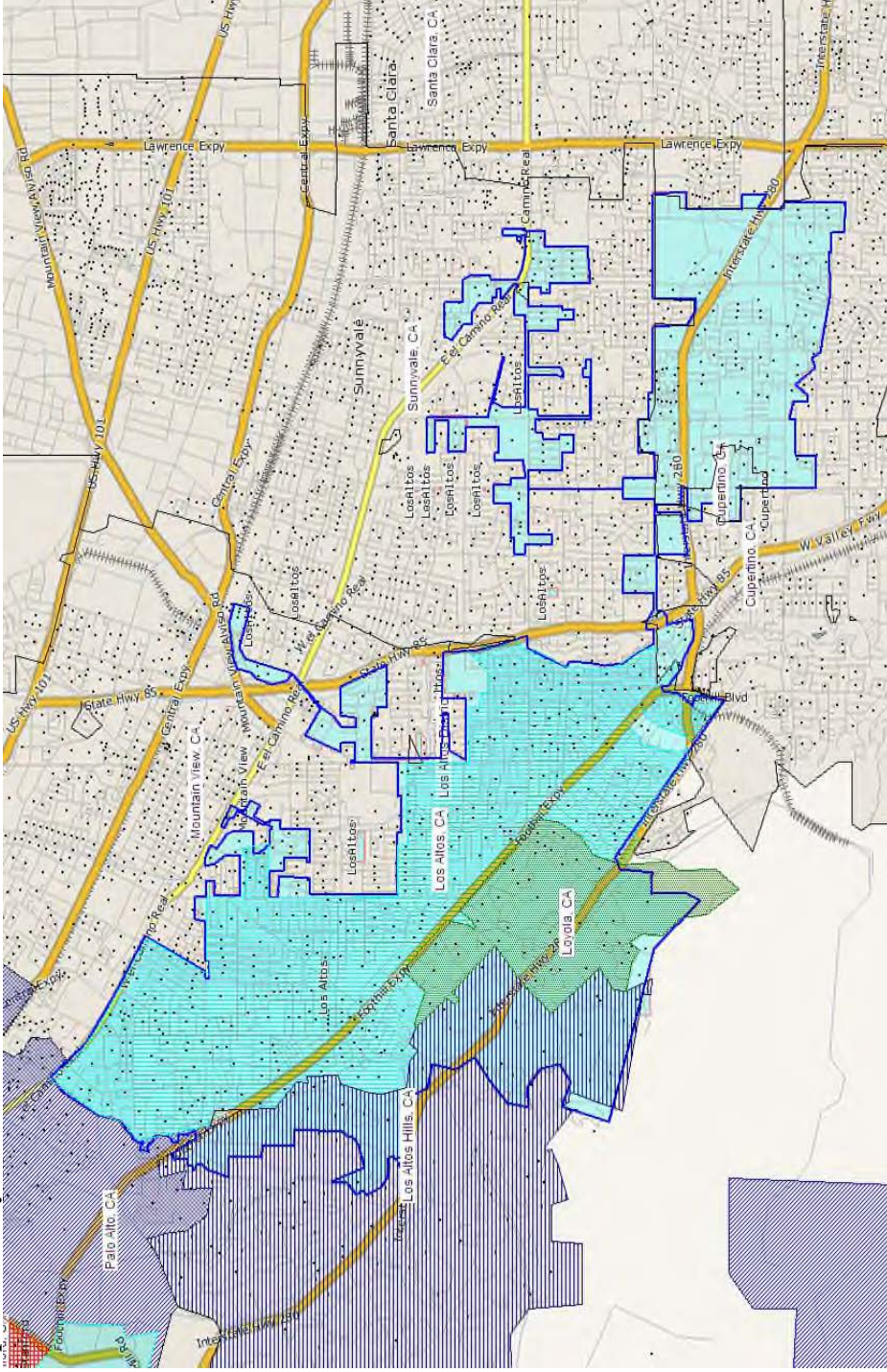
Customer Category	Selected Trend	Growth Rate	Actual Services				Projected Services										Total Increase from Base Year						
			2000	2005	2010	Base Year 2013	2015	2020	2025	2030	2035	2040											
SFR	SFR_E 20 Yr. Avg.	0.25%	16,575	16,711	16,784	16,841	16,925	17,137	17,352	17,570	17,790	18,013	18,236	18,460	18,684	18,908	19,132	19,356	19,580	19,804	20,028	1,172	
MFR	MFR_E User Defined = SCCEF	1.90%	119	119	149	159	165	181	199	219	240	264	288	312	336	360	384	408	432	456	480	504	105
COM	COM_C 10 Yr. Avg.	0.18%	1,068	1,092	1,151	1,156	1,160	1,170	1,181	1,191	1,202	1,213	1,224	1,235	1,246	1,257	1,268	1,279	1,290	1,301	1,312	1,323	57
IND	IND_A Zero Growth Rate	0.00%	7	7	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0
GOV	GOV_E 20 Yr. Avg.	0.93%	200	211	198	203	207	217	227	238	249	261	272	283	294	305	316	327	338	349	360	371	57
OTH	OTH_A Zero Growth Rate	0.00%	15	13	19	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
TOTAL	Average growth rate 2014-2040	0.27%	17,984	18,153	18,306	18,392	18,490	18,739	18,992	19,251	19,515	19,784	20,053	20,322	20,591	20,860	21,129	21,398	21,667	21,936	22,205	22,474	1,392

Number of units in given yr =	9,743	10,704	11,760	12,921	14,196	15,596
Increase in MFR units =	360	961	1,056	1,160	1,275	1,401

Percent of COM to Total	5.94%	6.01%	6.29%	6.28%	6.27%	6.25%	6.22%	6.19%	6.16%	6.13%
Percent of GOV to Total	1.11%	1.16%	1.08%	1.11%	1.12%	1.16%	1.20%	1.24%	1.28%	1.32%

Notes:

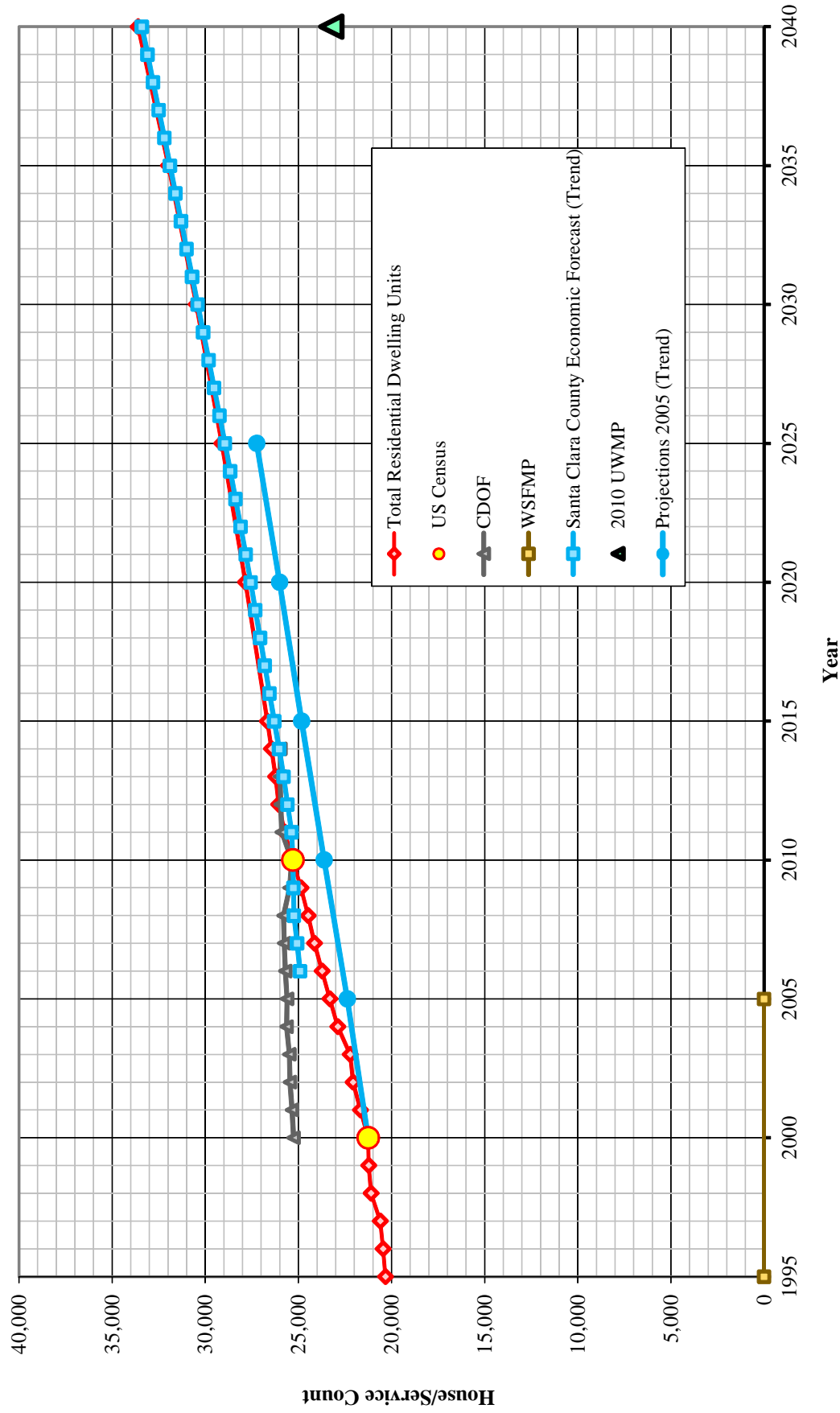
**California Water Service Company - Los Altos Suburban District
Water Supply and Demand Analysis and Projections
Marplot Summary**



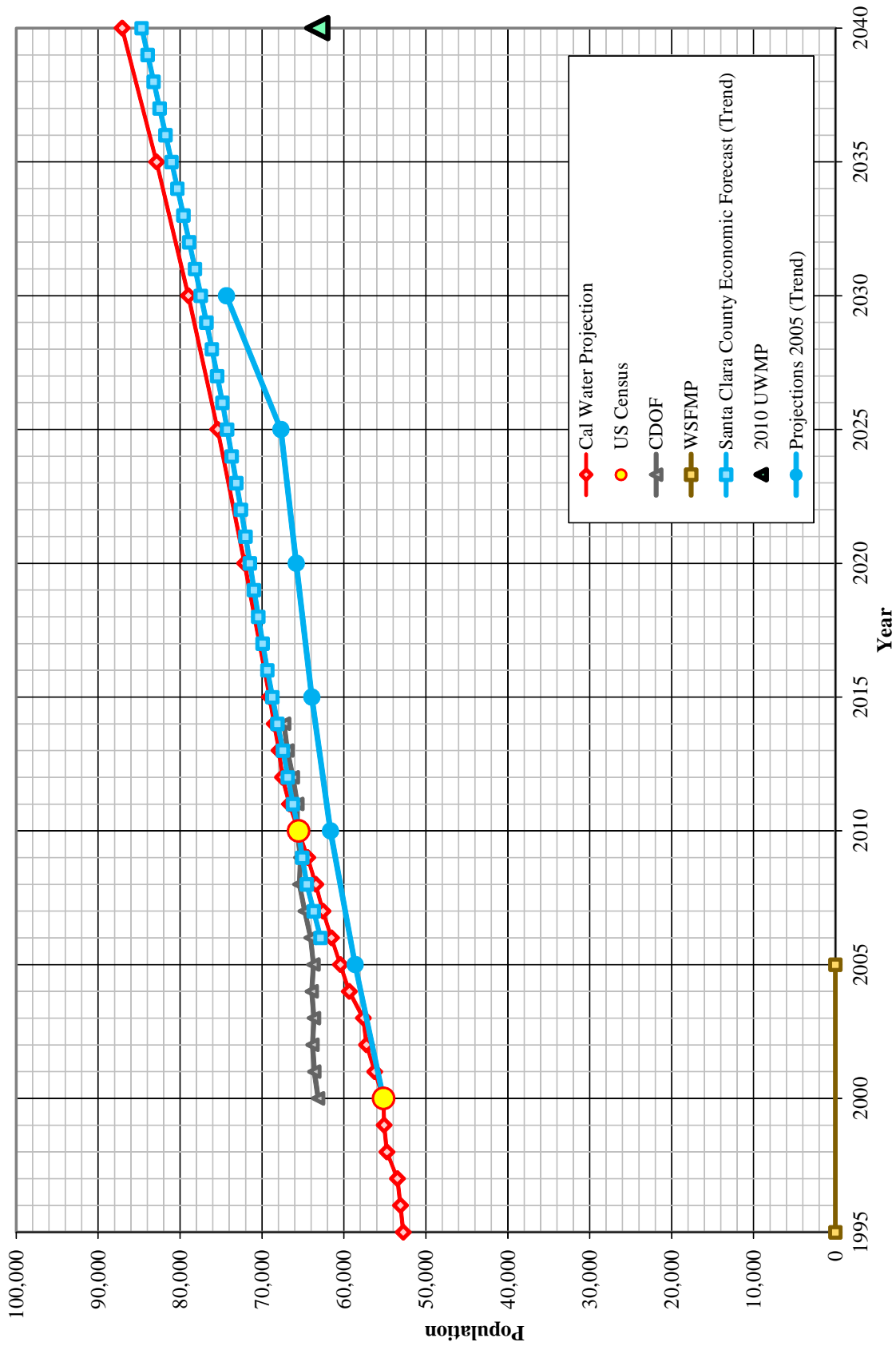
System	US Census 2000 Summary			US Census 2010 Summary			2000-2010 Change				
	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Los Alto Suburban	662	55,177	21,258	2.60	631	65,550	25,301	2.59	118.8%	119.0%	99.8%
	662	55,177	21,258	2.60	631	65,550	25,301	2.59	118.8%	119.0%	99.8%

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 - Los Altos Suburban 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		Services (DU)	Unit Density	Residential Units (DU)	Unit Density	
2000	55,177	21,258	2.596	16,575	119	4,683	39.3	0
2010	65,550	25,301	2.591	16,784	149	8,517	57.0	0
	18.8%	19.0%	-0.2%	1.3%	25.6%	81.9%	44.9%	0.0%

Year	Single Family Residential Services (DU)	Multi Family Residential		Flat Rate Residential Services (DU)	Persons per Housing Unit	Total Residential Dwelling Units	Estimated District Population
		Services	Residential Units (DU)				
1995	16,189	105	4,138	0	2.596	20,327	52,762
1996	16,252	107	4,204	0	2.596	20,456	53,094
1997	16,325	109	4,279	0	2.596	20,605	53,481
1998	16,479	117	4,617	0	2.596	21,096	54,755
1999	16,546	119	4,679	0	2.596	21,225	55,092
2000	16,575	119	4,683	0	2.596	21,258	55,177
2001	16,607	119	5,066	0	2.595	21,673	56,245
2002	16,618	119	5,449	0	2.595	22,067	57,256
2003	16,388	119	5,833	0	2.594	22,221	57,644
2004	16,671	119	6,216	0	2.594	22,887	59,362
2005	16,711	119	6,600	0	2.593	23,311	60,450
2006	16,748	119	6,983	0	2.593	23,731	61,529
2007	16,769	119	7,367	0	2.592	24,136	62,565
2008	16,728	136	7,750	0	2.592	24,478	63,442
2009	16,729	150	8,134	0	2.591	24,862	64,425
2010	16,784	149	8,517	0	2.591	25,301	65,550
2011	16,829	151	8,900	0	2.591	25,729	66,660
2012	16,831	156	9,230	0	2.591	26,061	67,519
2013	16,841	159	9,383	0	2.591	26,223	67,940
2014	16,883	162	9,561	0	2.591	26,444	68,511
2015	16,925	165	9,743	0	2.591	26,668	69,090
2020	17,137	181	10,704	0	2.591	27,841	72,131
2025	17,352	199	11,760	0	2.591	29,112	75,424
2030	17,570	219	12,921	0	2.591	30,490	78,994
2035	17,790	240	14,196	0	2.591	31,986	82,868
2040	18,013	264	15,596	0	2.591	33,609	87,075

^ | ACTUAL
 ^ | PROJECTED
 | |
 V |

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.

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Wednesday, August 19, 2015 3:31 PM
To: 'Kent Steffens (ksteffens@sunnyvale.ca.gov)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Richardson, Ronald
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Los Altos Suburban District
Attachments: Letter to City Planning Officials - Attachmet - LAS.pdf

Tracking:	Recipient	Delivery
	'Kent Steffens (ksteffens@sunnyvale.ca.gov)'	
	Salzano, Tom	Delivered: 8/19/2015 3:31 PM
	Bolzowski, Michael R.	Delivered: 8/19/2015 3:31 PM
	Keck, Jonathan	Delivered: 8/19/2015 3:31 PM
	Richardson, Ronald	Delivered: 8/19/2015 3:31 PM

Dear Mr. Steffens,

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 Los Altos Suburban District provides water service to the City of Sunnyvale.

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 11, 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

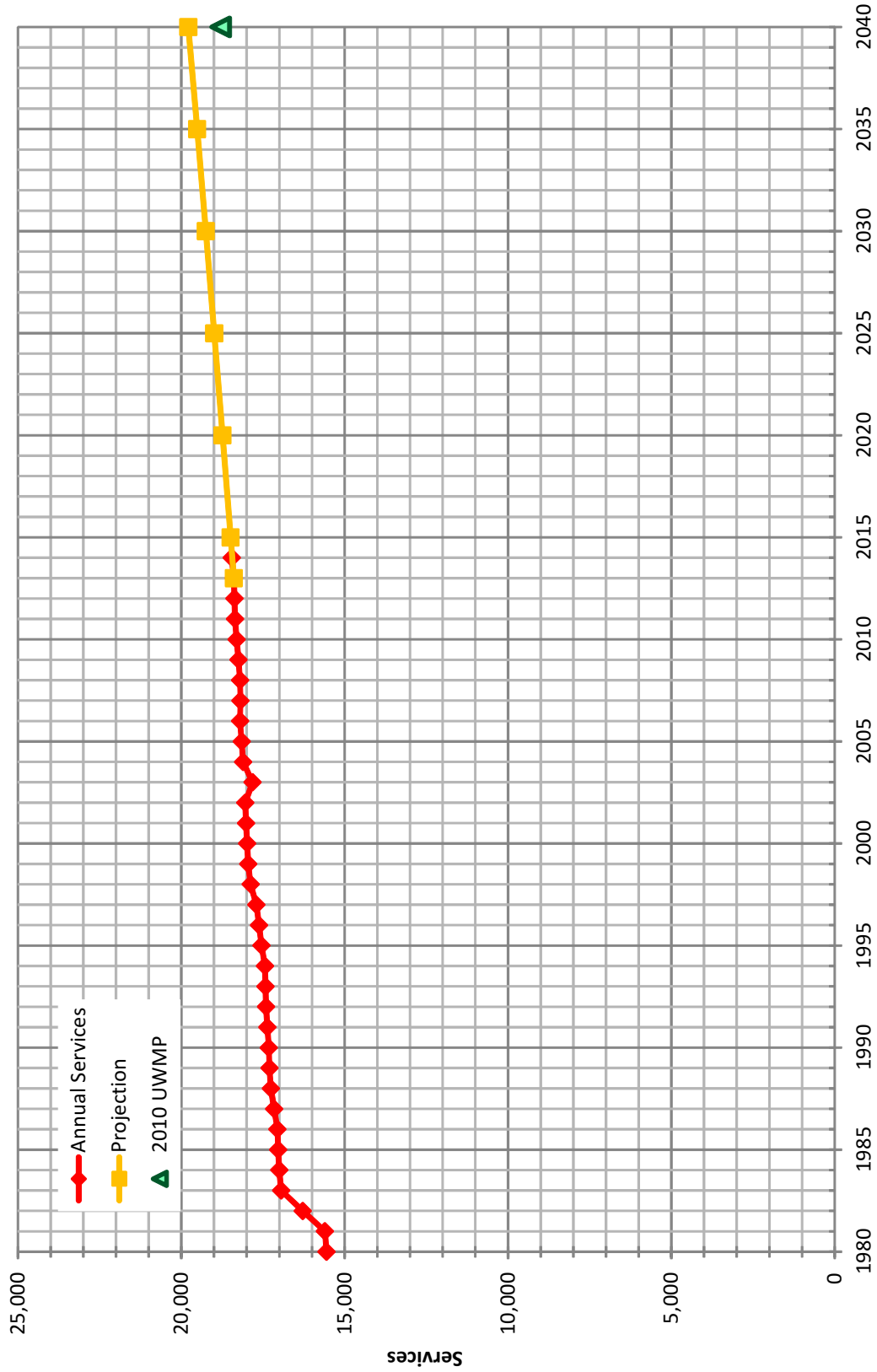
Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE
408-367-8387



Quality. Service. Value.

calwater.com

Historical & Projected Services



California Water Service Company - Los Altos Suburban District

Water Supply and Demand Analysis and Projections

Actual & Projected Annual Average Services

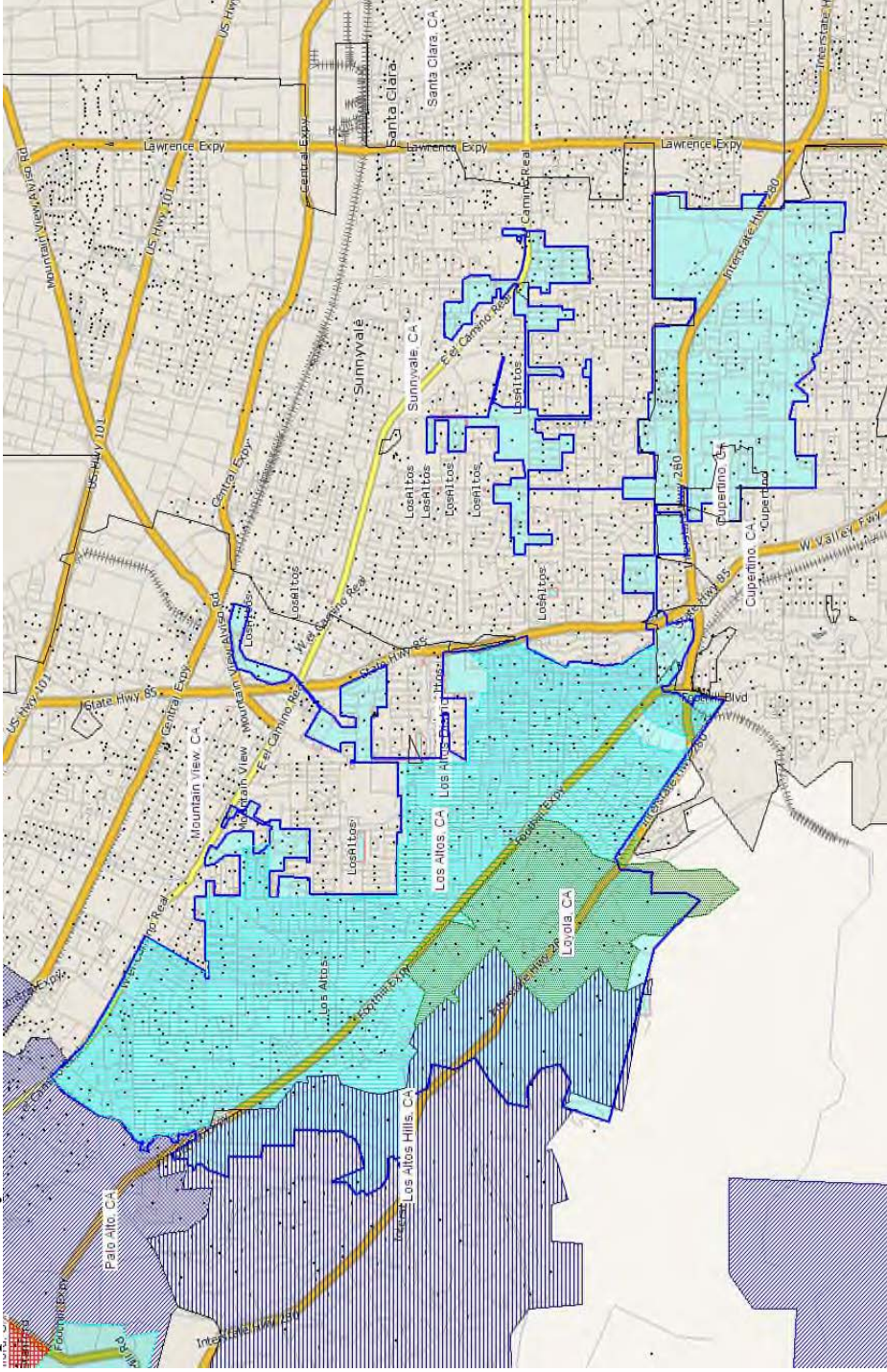
Customer Category	Selected Trend	Growth Rate	Actual Services				Projected Services										Total Increase from Base Year						
			2000	2005	2010	Base Year 2013	2015	2020	2025	2030	2035	2040											
SFR	SFR_E 20 Yr. Avg.	0.25%	16,575	16,711	16,784	16,841	16,925	17,137	17,352	17,570	17,790	18,013	18,236	18,460	18,684	18,908	19,132	19,356	19,580	19,804	20,028	1,172	
MFR	MFR_E User Defined = SCCEF	1.90%	119	119	149	159	165	181	199	219	240	264	288	312	336	360	384	408	432	456	480	504	105
COM	COM_C 10 Yr. Avg.	0.18%	1,068	1,092	1,151	1,156	1,160	1,170	1,181	1,191	1,202	1,213	1,224	1,235	1,246	1,257	1,268	1,279	1,290	1,301	1,312	1,323	57
IND	IND_A Zero Growth Rate	0.00%	7	7	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0
GOV	GOV_E 20 Yr. Avg.	0.93%	200	211	198	203	207	217	227	238	249	261	272	283	294	305	316	327	338	349	360	371	57
OTH	OTH_A Zero Growth Rate	0.00%	15	13	19	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
TOTAL	Average growth rate 2014-2040	0.27%	17,984	18,153	18,306	18,392	18,490	18,739	18,992	19,251	19,515	19,784	20,053	20,322	20,591	20,860	21,129	21,398	21,667	21,936	22,205	22,474	1,392

Number of units in given yr =	9,743	10,704	11,760	12,921	14,196	15,596
Increase in MFR units =	360	961	1,056	1,160	1,275	1,401

Percent of COM to Total	5.94%	6.01%	6.29%	6.28%	6.27%	6.25%	6.22%	6.19%	6.16%	6.13%
Percent of GOV to Total	1.11%	1.16%	1.08%	1.11%	1.12%	1.16%	1.20%	1.24%	1.28%	1.32%

Notes:

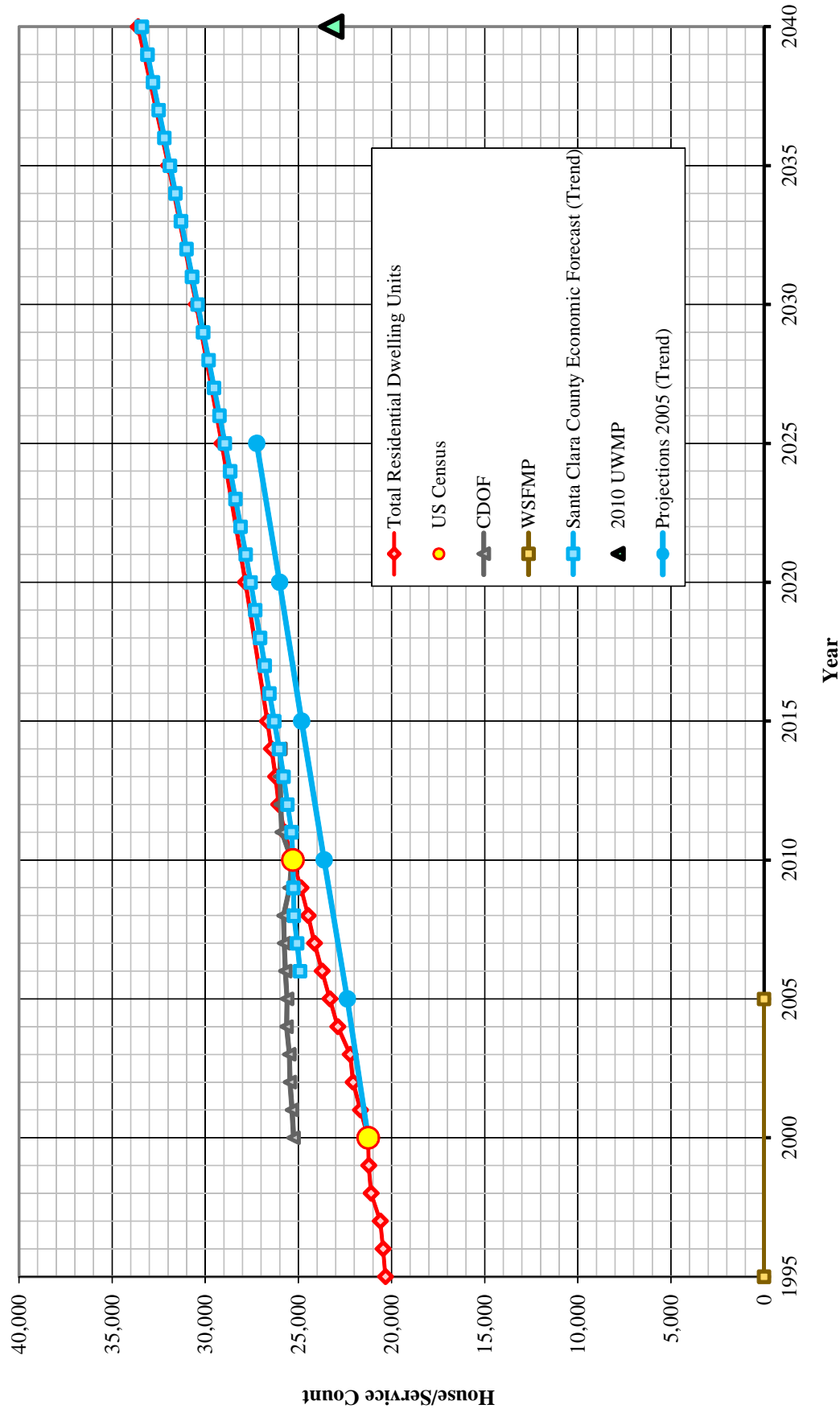
**California Water Service Company - Los Altos Suburban District
Water Supply and Demand Analysis and Projections
Marplot Summary**



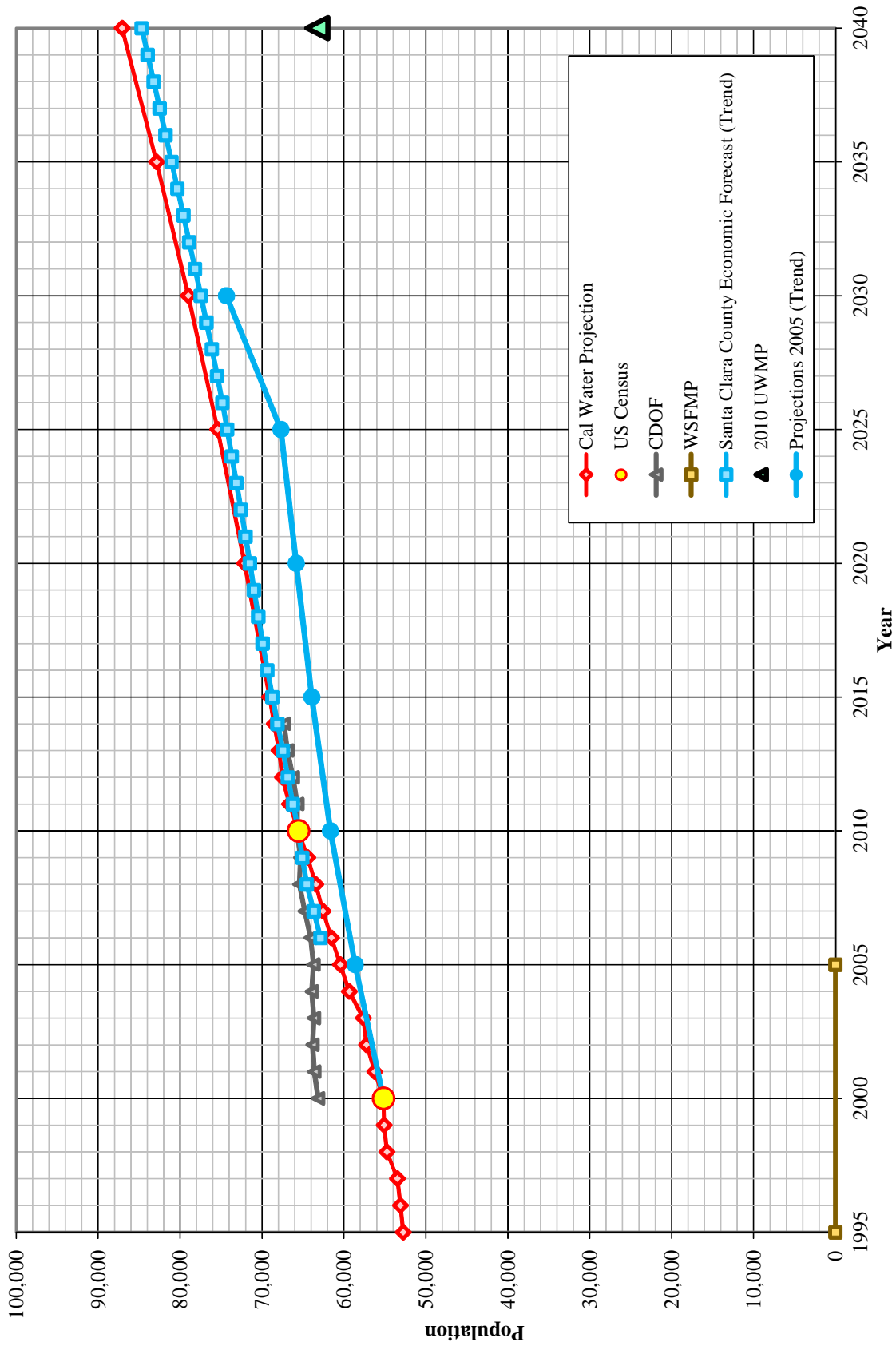
System	US Census 2000 Summary			US Census 2010 Summary			2000-2010 Change				
	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Los Alto Suburban	662	55,177	21,258	2.60	631	65,550	25,301	2.59	118.8%	119.0%	99.8%
	662	55,177	21,258	2.60	631	65,550	25,301	2.59	118.8%	119.0%	99.8%

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 - Los Altos Suburban 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		Services (DU)	Unit Density	Units (DU)	Density	
2000	55,177	21,258	2.596	16,575	119	4,683	39.3	0
2010	65,550	25,301	2.591	16,784	149	8,517	57.0	0
	18.8%	19.0%	-0.2%	1.3%	25.6%	81.9%	44.9%	0.0%

Year	Single Family Residential Services (DU)	Multi Family Residential		Flat Rate Residential Services (DU)	Persons per Housing Unit	Total Residential Dwelling Units	Estimated District Population
		Services	Units (DU)				
1995	16,189	105	4,138	0	2.596	20,327	52,762
1996	16,252	107	4,204	0	2.596	20,456	53,094
1997	16,325	109	4,279	0	2.596	20,605	53,481
1998	16,479	117	4,617	0	2.596	21,096	54,755
1999	16,546	119	4,679	0	2.596	21,225	55,092
2000	16,575	119	4,683	0	2.596	21,258	55,177
2001	16,607	119	5,066	0	2.595	21,673	56,245
2002	16,618	119	5,449	0	2.595	22,067	57,256
2003	16,388	119	5,833	0	2.594	22,221	57,644
2004	16,671	119	6,216	0	2.594	22,887	59,362
2005	16,711	119	6,600	0	2.593	23,311	60,450
2006	16,748	119	6,983	0	2.593	23,731	61,529
2007	16,769	119	7,367	0	2.592	24,136	62,565
2008	16,728	136	7,750	0	2.592	24,478	63,442
2009	16,729	150	8,134	0	2.591	24,862	64,425
2010	16,784	149	8,517	0	2.591	25,301	65,550
2011	16,829	151	8,900	0	2.591	25,729	66,660
2012	16,831	156	9,230	0	2.591	26,061	67,519
2013	16,841	159	9,383	0	2.591	26,223	67,940
2014	16,883	162	9,561	0	2.591	26,444	68,511
2015	16,925	165	9,743	0	2.591	26,668	69,090
2020	17,137	181	10,704	0	2.591	27,841	72,131
2025	17,352	199	11,760	0	2.591	29,112	75,424
2030	17,570	219	12,921	0	2.591	30,490	78,994
2035	17,790	240	14,196	0	2.591	31,986	82,868
2040	18,013	264	15,596	0	2.591	33,609	87,075

^ | ACTUAL
 | | PROJECTED
 ^ |
 | |
 V

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.

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Wednesday, August 19, 2015 3:37 PM
To: 'Kirk Girard (kirk.girard@pln.sccgov.org)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Richardson, Ronald
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Los Altos Suburban District
Attachments: Letter to City Planning Officials - Attachmet - LAS.pdf

Tracking:	Recipient	Delivery
	'Kirk Girard (kirk.girard@pln.sccgov.org)'	
	Salzano, Tom	Delivered: 8/19/2015 3:37 PM
	Bolzowski, Michael R.	Delivered: 8/19/2015 3:37 PM
	Keck, Jonathan	Delivered: 8/19/2015 3:37 PM
	Richardson, Ronald	Delivered: 8/19/2015 3:37 PM

Dear Mr. Girard,

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 Los Altos Suburban District provides water service to the County of Santa Clara.

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 11, 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

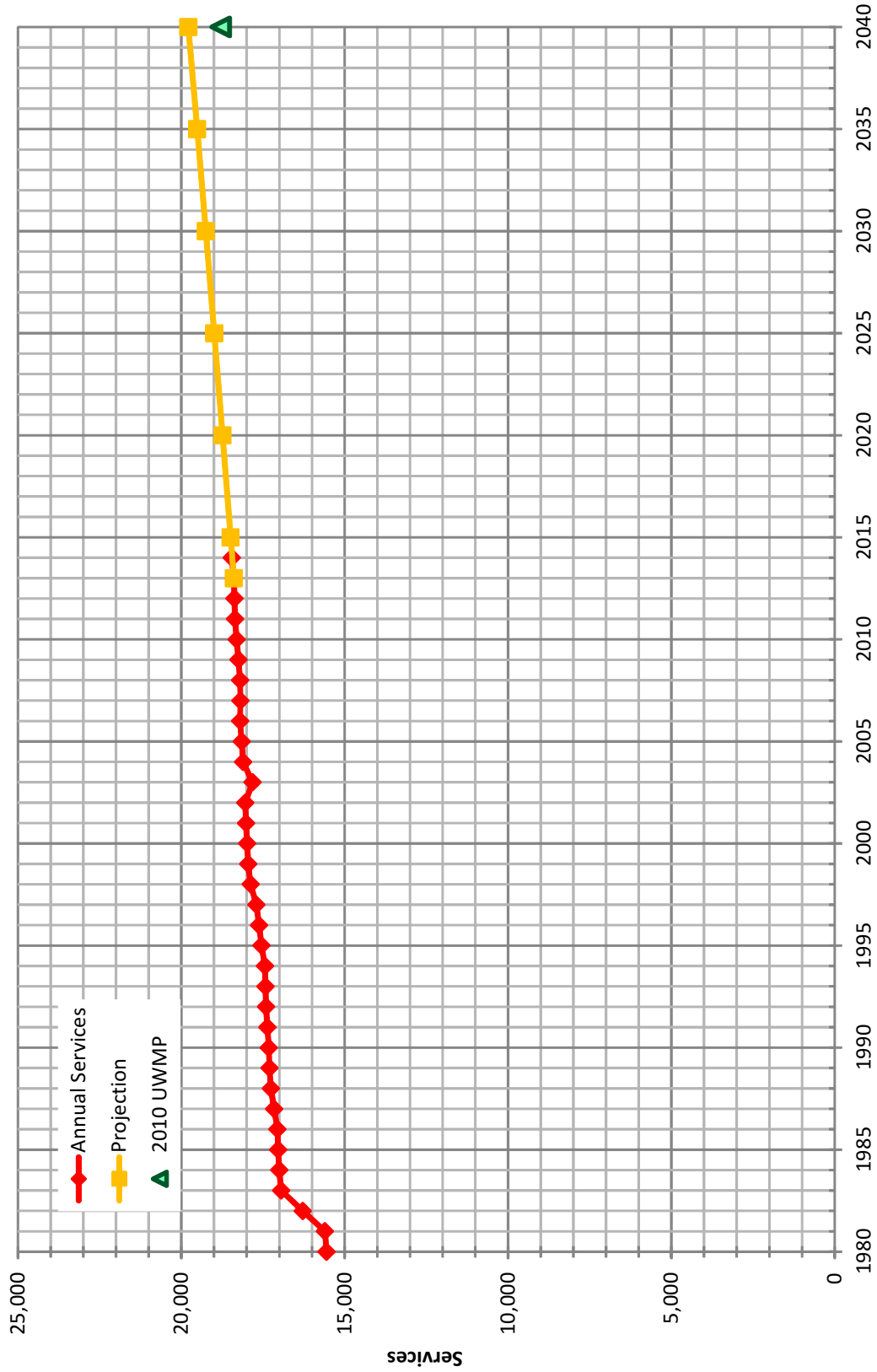
Thomas A. Salzano
Water Resource Planning Supervisor

Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE
408-367-8387



Quality. Service. Value.
calwater.com

Historical & Projected Services



California Water Service Company - Los Altos Suburban District

Water Supply and Demand Analysis and Projections

Actual & Projected Annual Average Services

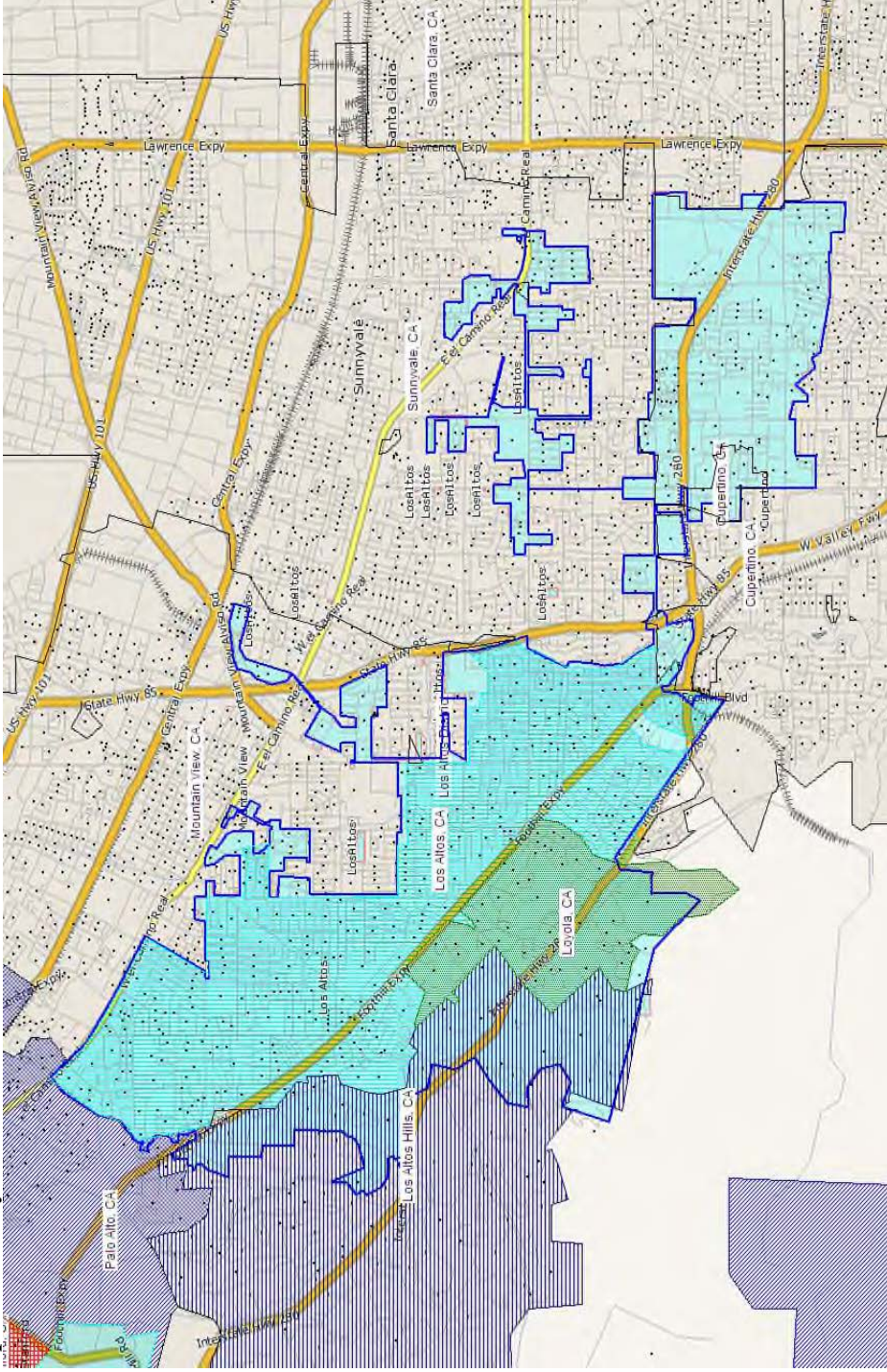
Customer Category	Selected Trend	Growth Rate	Actual Services				Projected Services										Total Increase from Base Year						
			2000	2005	2010	Base Year 2013	2015	2020	2025	2030	2035	2040											
SFR	SFR_E 20 Yr. Avg.	0.25%	16,575	16,711	16,784	16,841	16,925	17,137	17,352	17,570	17,790	18,013	18,236	18,460	18,684	18,908	19,132	19,356	19,580	19,804	20,028	1,172	
MFR	MFR_E User Defined = SCCEF	1.90%	119	119	149	159	165	181	199	219	240	264	288	312	336	360	384	408	432	456	480	504	105
COM	COM_C 10 Yr. Avg.	0.18%	1,068	1,092	1,151	1,156	1,160	1,170	1,181	1,191	1,202	1,213	1,224	1,235	1,246	1,257	1,268	1,279	1,290	1,301	1,312	1,323	57
IND	IND_A Zero Growth Rate	0.00%	7	7	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0
GOV	GOV_E 20 Yr. Avg.	0.93%	200	211	198	203	207	217	227	238	249	261	272	283	294	305	316	327	338	349	360	371	57
OTH	OTH_A Zero Growth Rate	0.00%	15	13	19	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
TOTAL	Average growth rate 2014-2040	0.27%	17,984	18,153	18,306	18,392	18,490	18,739	18,992	19,251	19,515	19,784	20,053	20,322	20,591	20,860	21,129	21,398	21,667	21,936	22,205	22,474	1,392

Number of units in given yr =	9,743	10,704	11,760	12,921	14,196	15,596
Increase in MFR units =	360	961	1,056	1,160	1,275	1,401

Percent of COM to Total	5.94%	6.01%	6.29%	6.28%	6.27%	6.25%	6.22%	6.19%	6.16%	6.13%
Percent of GOV to Total	1.11%	1.16%	1.08%	1.11%	1.12%	1.16%	1.20%	1.24%	1.28%	1.32%

Notes:

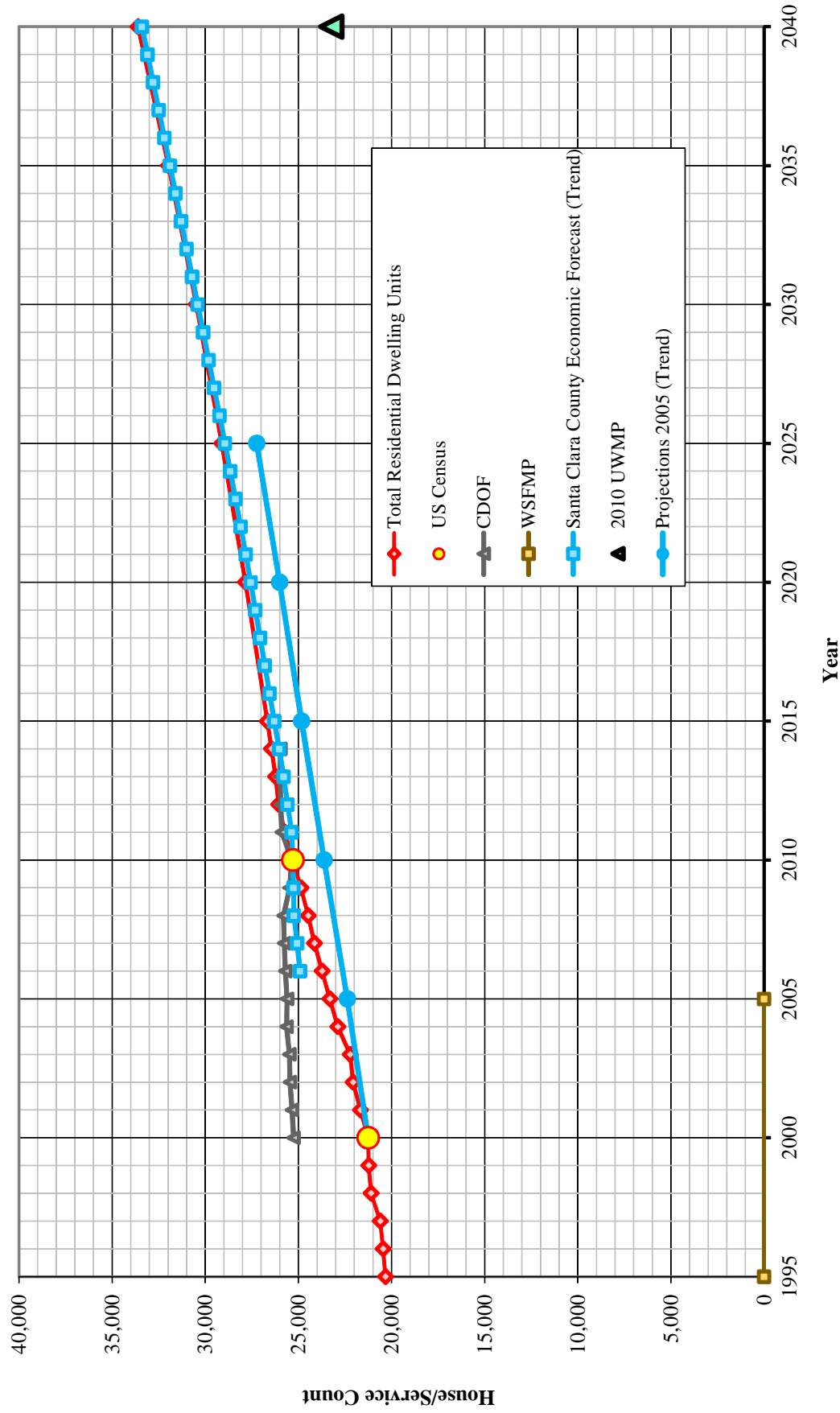
**California Water Service Company - Los Altos Suburban District
Water Supply and Demand Analysis and Projections
Marplot Summary**



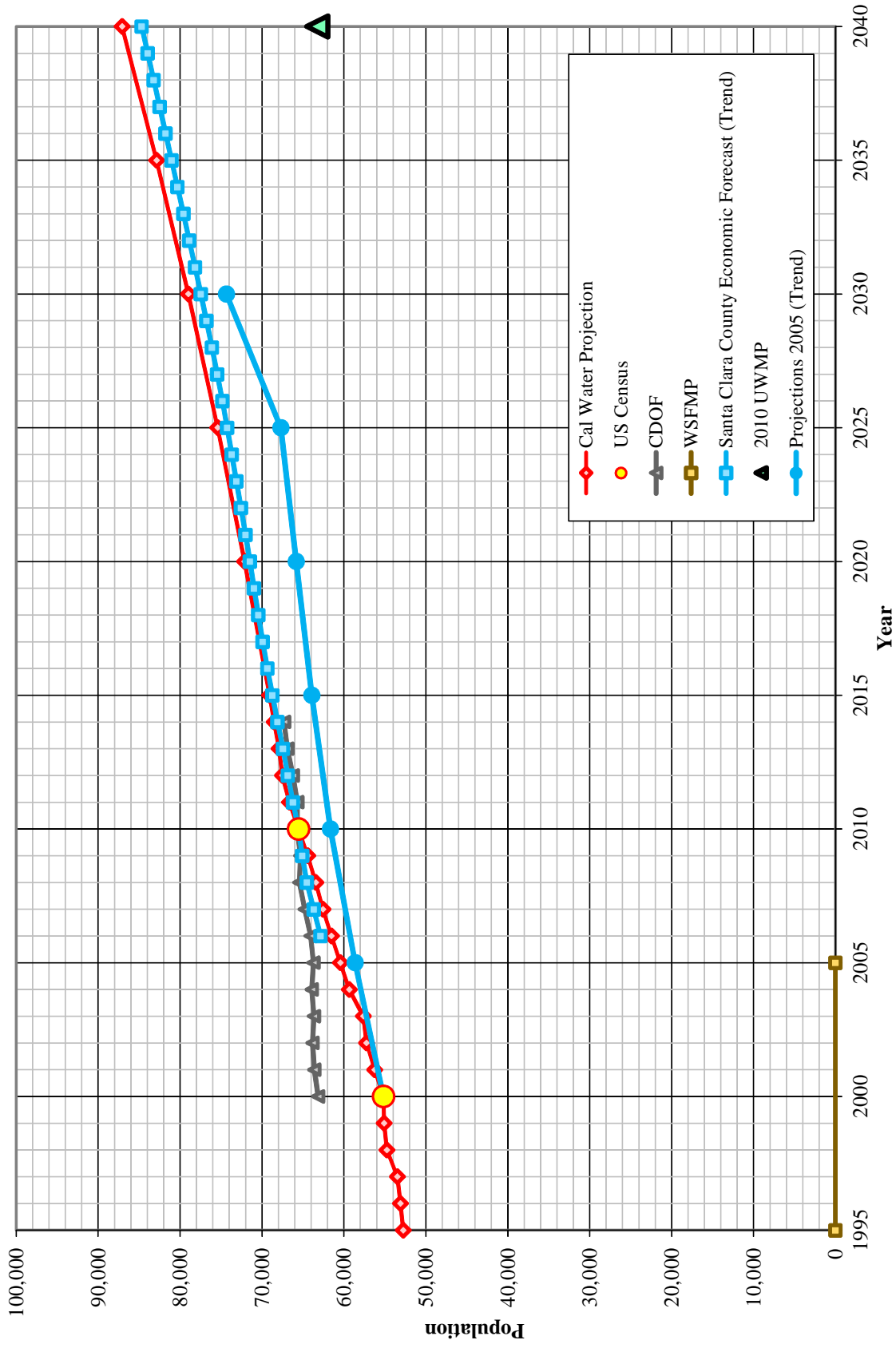
System	US Census 2000 Summary			US Census 2010 Summary			2000-2010 Change				
	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Los Alto Suburban	662	55,177	21,258	2.60	631	65,550	25,301	2.59	118.8%	119.0%	99.8%
	662	55,177	21,258	2.60	631	65,550	25,301	2.59	118.8%	119.0%	99.8%

MARPLOTT 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 - Los Altos Suburban 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		Services (DU)	Unit Density	Residential Units (DU)	Unit Density	
2000	55,177	21,258	2.596	16,575	119	4,683	39.3	0
2010	65,550	25,301	2.591	16,784	149	8,517	57.0	0
	18.8%	19.0%	-0.2%	1.3%	25.6%	81.9%	44.9%	0.0%

Year	Single Family Residential Services (DU)	Multi Family Residential		Flat Rate Residential Services (DU)	Persons per Housing Unit	Total Residential Dwelling Units	Estimated District Population
		Services	Residential Units (DU)				
1995	16,189	105	4,138	0	2.596	20,327	52,762
1996	16,252	107	4,204	0	2.596	20,456	53,094
1997	16,325	109	4,279	0	2.596	20,605	53,481
1998	16,479	117	4,617	0	2.596	21,096	54,755
1999	16,546	119	4,679	0	2.596	21,225	55,092
2000	16,575	119	4,683	0	2.596	21,258	55,177
2001	16,607	119	5,066	0	2.595	21,673	56,245
2002	16,618	119	5,449	0	2.595	22,067	57,256
2003	16,388	119	5,833	0	2.594	22,221	57,644
2004	16,671	119	6,216	0	2.594	22,887	59,362
2005	16,711	119	6,600	0	2.593	23,311	60,450
2006	16,748	119	6,983	0	2.593	23,731	61,529
2007	16,769	119	7,367	0	2.592	24,136	62,565
2008	16,728	136	7,750	0	2.592	24,478	63,442
2009	16,729	150	8,134	0	2.591	24,862	64,425
2010	16,784	149	8,517	0	2.591	25,301	65,550
2011	16,829	151	8,900	0	2.591	25,729	66,660
2012	16,831	156	9,230	0	2.591	26,061	67,519
2013	16,841	159	9,383	0	2.591	26,223	67,940
2014	16,883	162	9,561	0	2.591	26,444	68,511
2015	16,925	165	9,743	0	2.591	26,668	69,090
2020	17,137	181	10,704	0	2.591	27,841	72,131
2025	17,352	199	11,760	0	2.591	29,112	75,424
2030	17,570	219	12,921	0	2.591	30,490	78,994
2035	17,790	240	14,196	0	2.591	31,986	82,868
2040	18,013	264	15,596	0	2.591	33,609	87,075

^ | ACTUAL
 | | PROJECTED
 ^ |
 | |
 V |

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.

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Wednesday, August 19, 2015 3:41 PM
To: 'Debbie Pedro (dpedro@losaltoshills.ca.gov)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Richardson, Ronald
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Los Altos Suburban District
Attachments: Letter to City Planning Officials - Attachmet - LAS.pdf

Tracking:	Recipient	Delivery
	'Debbie Pedro (dpedro@losaltoshills.ca.gov)'	
	Salzano, Tom	Delivered: 8/19/2015 3:41 PM
	Bolzowski, Michael R.	Delivered: 8/19/2015 3:41 PM
	Keck, Jonathan	Delivered: 8/19/2015 3:41 PM
	Richardson, Ronald	Delivered: 8/19/2015 3:41 PM

Dear Ms. Pedro,

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 Los Altos Suburban District provides water service to the Town of Los Altos Hills.

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 11, 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

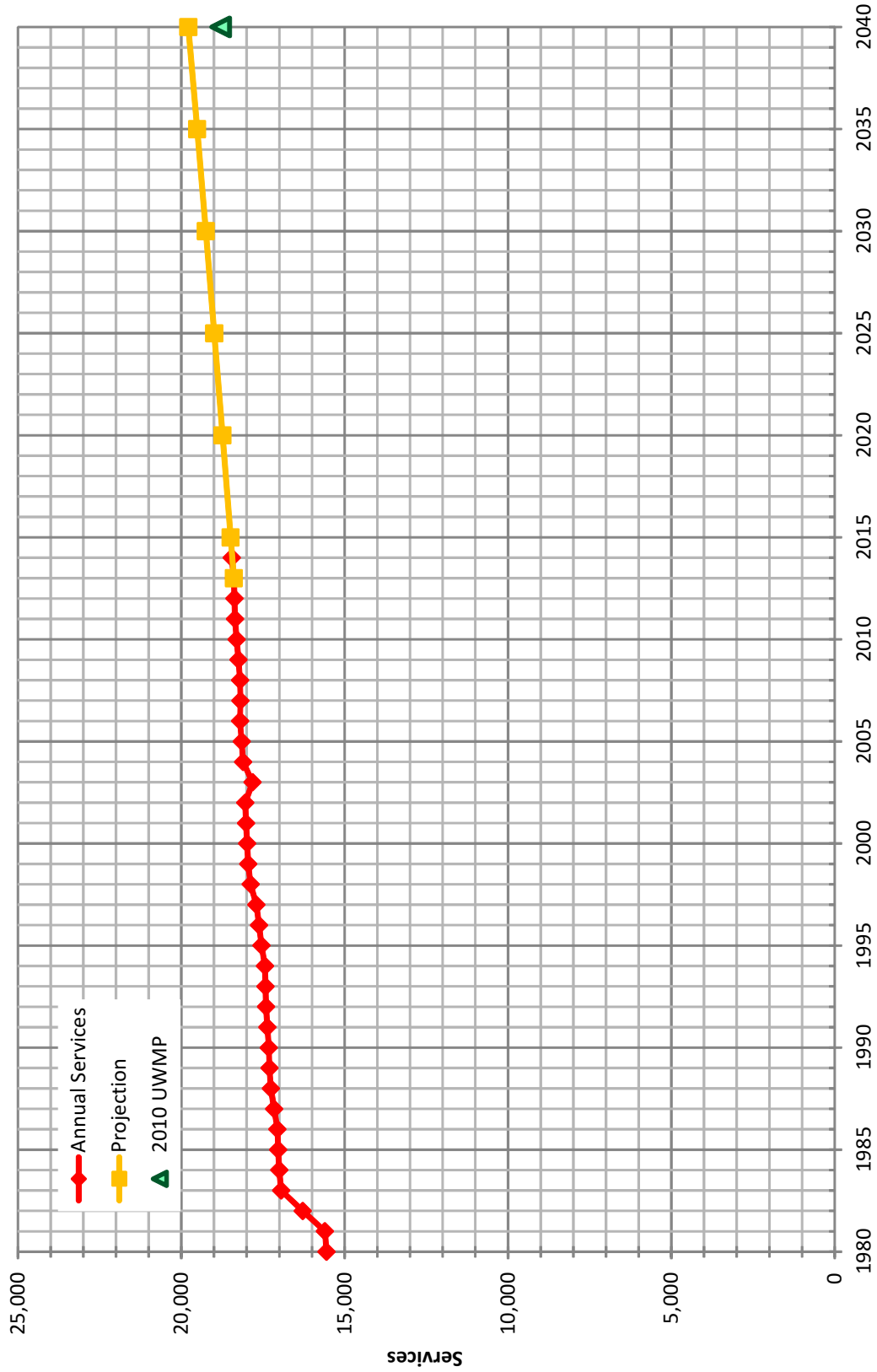
Thomas A. Salzano
Water Resource Planning Supervisor

Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE
408-367-8387



Quality. Service. Value.
calwater.com

Historical & Projected Services



California Water Service Company - Los Altos Suburban District

Water Supply and Demand Analysis and Projections

Actual & Projected Annual Average Services

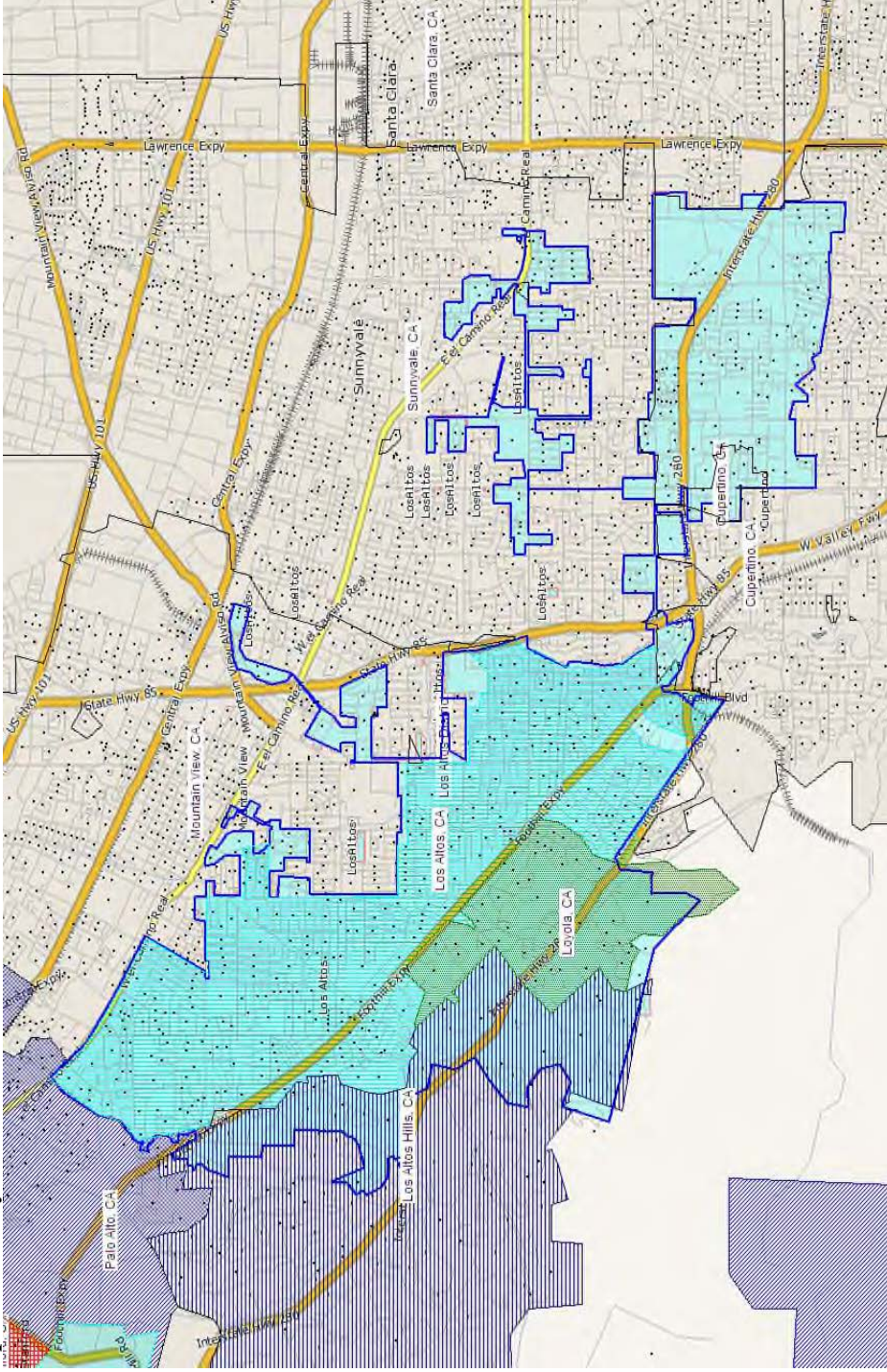
Customer Category	Selected Trend	Growth Rate	Actual Services				Projected Services										Total Increase from Base Year							
			2000	2005	2010	Base Year 2013	2015	2020	2025	2030	2035	2040												
SFR	SFR_E 20 Yr. Avg.	0.25%	16,575	16,711	16,784	16,841	16,925	17,137	17,352	17,570	17,790	18,013	18,236	18,460	18,683	18,906	19,129	19,352	19,575	19,798	20,021	20,244	1,172	
MFR	MFR_E User Defined = SCCEF	1.90%	119	119	149	159	165	181	199	219	240	264	288	312	336	360	384	408	432	456	480	504	528	105
COM	COM_C 10 Yr. Avg.	0.18%	1,068	1,092	1,151	1,156	1,160	1,170	1,181	1,191	1,202	1,213	1,224	1,235	1,246	1,257	1,268	1,279	1,290	1,301	1,312	1,323	1,334	57
IND	IND_A Zero Growth Rate	0.00%	7	7	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0
GOV	GOV_E 20 Yr. Avg.	0.93%	200	211	198	203	207	217	227	238	249	261	271	281	291	301	311	321	331	341	351	361	371	57
OTH	OTH_A Zero Growth Rate	0.00%	15	13	19	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
TOTAL	Average growth rate 2014-2040	0.27%	17,984	18,153	18,306	18,392	18,490	18,739	18,992	19,251	19,515	19,784	20,053	20,322	20,591	20,860	21,129	21,398	21,667	21,936	22,205	22,474	22,743	1,392

Number of units in given yr =	9,743	10,704	11,760	12,921	14,196	15,596
Increase in MFR units =	360	961	1,056	1,160	1,275	1,401

Percent of COM to Total	5.94%	6.01%	6.29%	6.28%	6.27%	6.25%	6.22%	6.19%	6.16%	6.13%
Percent of GOV to Total	1.11%	1.16%	1.08%	1.11%	1.12%	1.16%	1.20%	1.24%	1.28%	1.32%

Notes:

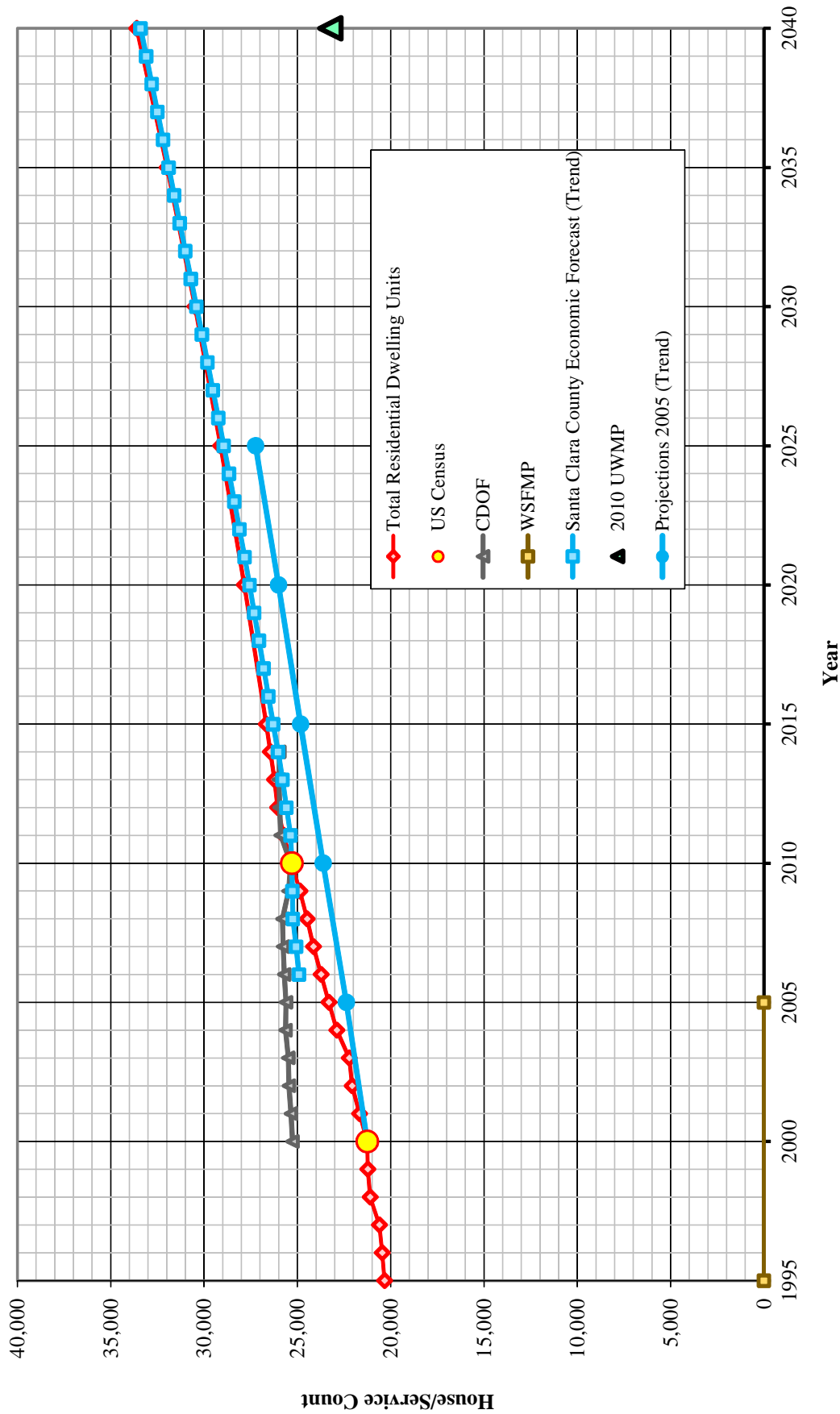
**California Water Service Company - Los Altos Suburban District
Water Supply and Demand Analysis and Projections
Marplot Summary**



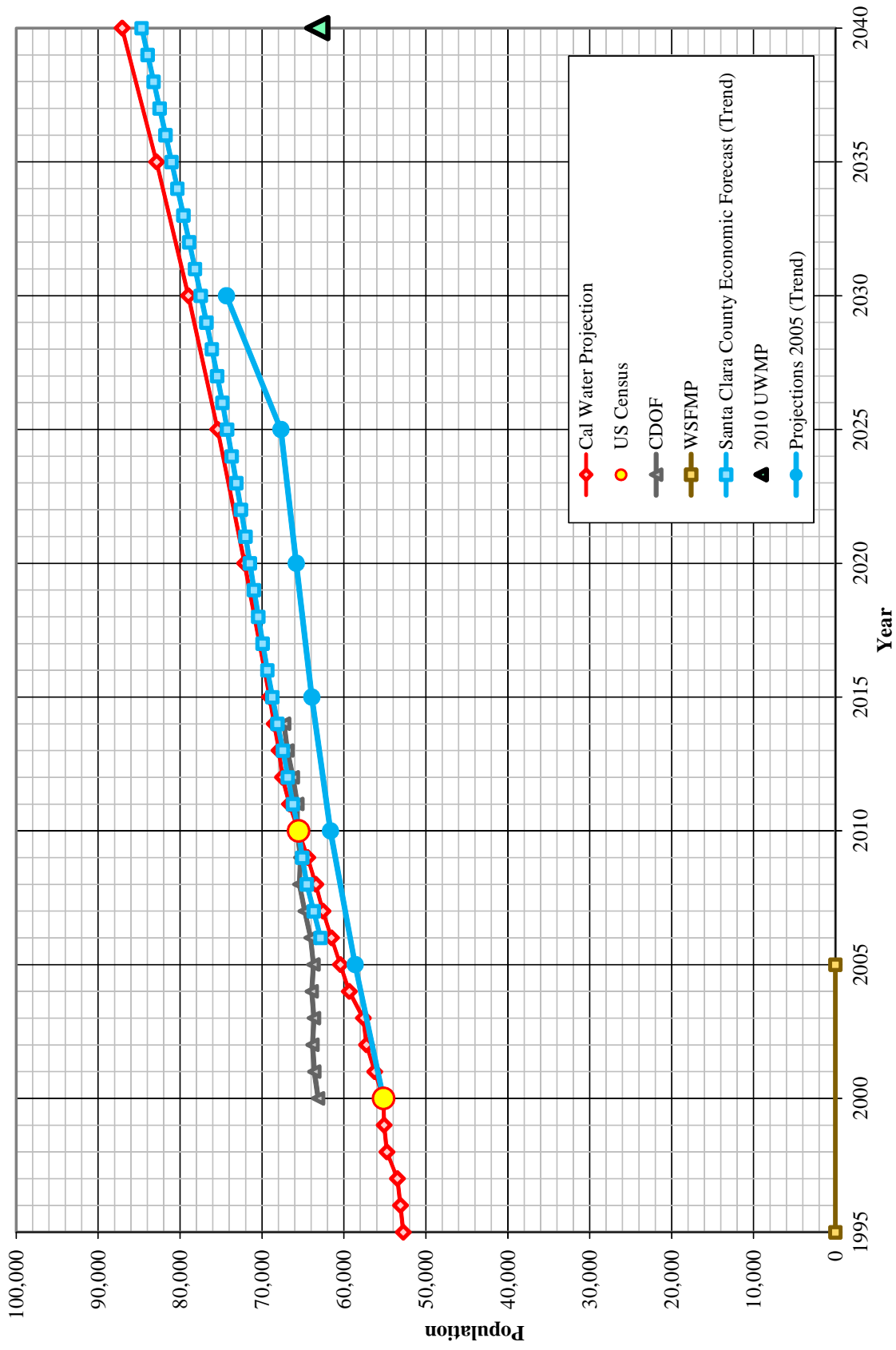
System	US Census 2000 Summary			US Census 2010 Summary			2000-2010 Change				
	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Los Alto Suburban	662	55,177	21,258	2.60	631	65,550	25,301	2.59	118.8%	119.0%	99.8%
	662	55,177	21,258	2.60	631	65,550	25,301	2.59	118.8%	119.0%	99.8%

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



Blanusa, Danilo

From: Fuller, Michael <michael.fuller@mountainview.gov>
Sent: Thursday, September 10, 2015 7:46 AM
To: Blanusa, Danilo
Subject: FW: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Los Altos Suburban District
Attachments: CalWaterArea.pdf; Letter to City Planning Officials - Attachmet - LAS.PDF
Follow Up Flag: Follow up
Flag Status: Flagged
Categories: Blue Category

Mr. Salzano: Our Planning Division is best suited to opine on growth forecasts. Below is a response to your inquiry. Please let us know if you have questions...Mike

From: Anderson, Eric - Planning
Sent: Friday, September 04, 2015 4:11 PM
To: Fuller, Michael
Cc: Alkire, Martin
Subject: RE: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Los Altos Suburban District

Mike,

Unfortunately, the data Calwater sent doesn't seem to parse out MV's contribution to growth, so it is difficult to provide any quantitative comments. That being said...

Based on the attached map, we would anticipate very little growth in the CalWater area in the future. The only foreseeable growth would be

- Infill single family homes (no more than 20-30 foreseeable)
- Companion units (difficult to anticipate, but could be on the order of 20-30)
- Some development on El Camino Real (no more than 50 multifamily units and/or 20,000 square feet commercial foreseeable)
- Intensification of public uses (eg, schools)

I'm not clear on the conversion factor for Multifamily and Commercial on page 2 of the attachment, but I would guess these numbers are trivial compared to the overall growth in the Los Altos Area.

Let me know if you have any other questions,

Eric B Anderson AICP

City of Mountain View | Community Development Department
650-903-6306 | Fax: 650-962-8501 | Anderson@MountainView.gov
500 Castro Street—PO Box 7540 | Mountain View, CA | 94039-7540

From: Fuller, Michael
Sent: Friday, September 04, 2015 2:31 PM
To: Anderson, Eric - Planning
Subject: FW: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Los Altos Suburban District

Eric: Cal Water is asking us to review the housing and population numbers they are using for their 2015 Urban Water Management Plan. Can you help with that?...Mike

From: Blanusa, Danilo [<mailto:dblanusa@calwater.com>]

Sent: Wednesday, August 19, 2015 3:26 PM

To: Fuller, Michael

Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Richardson, Ronald

Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Los Altos Suburban District

Dear Mr. Fuller,

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 Los Altos Suburban District provides water service to the City of Mountain View.

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 11, 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.

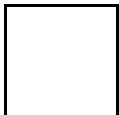
Thank you for your assistance in this effort.

Respectfully,

Thomas A. Salzano

Thomas A. Salzano
Water Resource Planning Supervisor

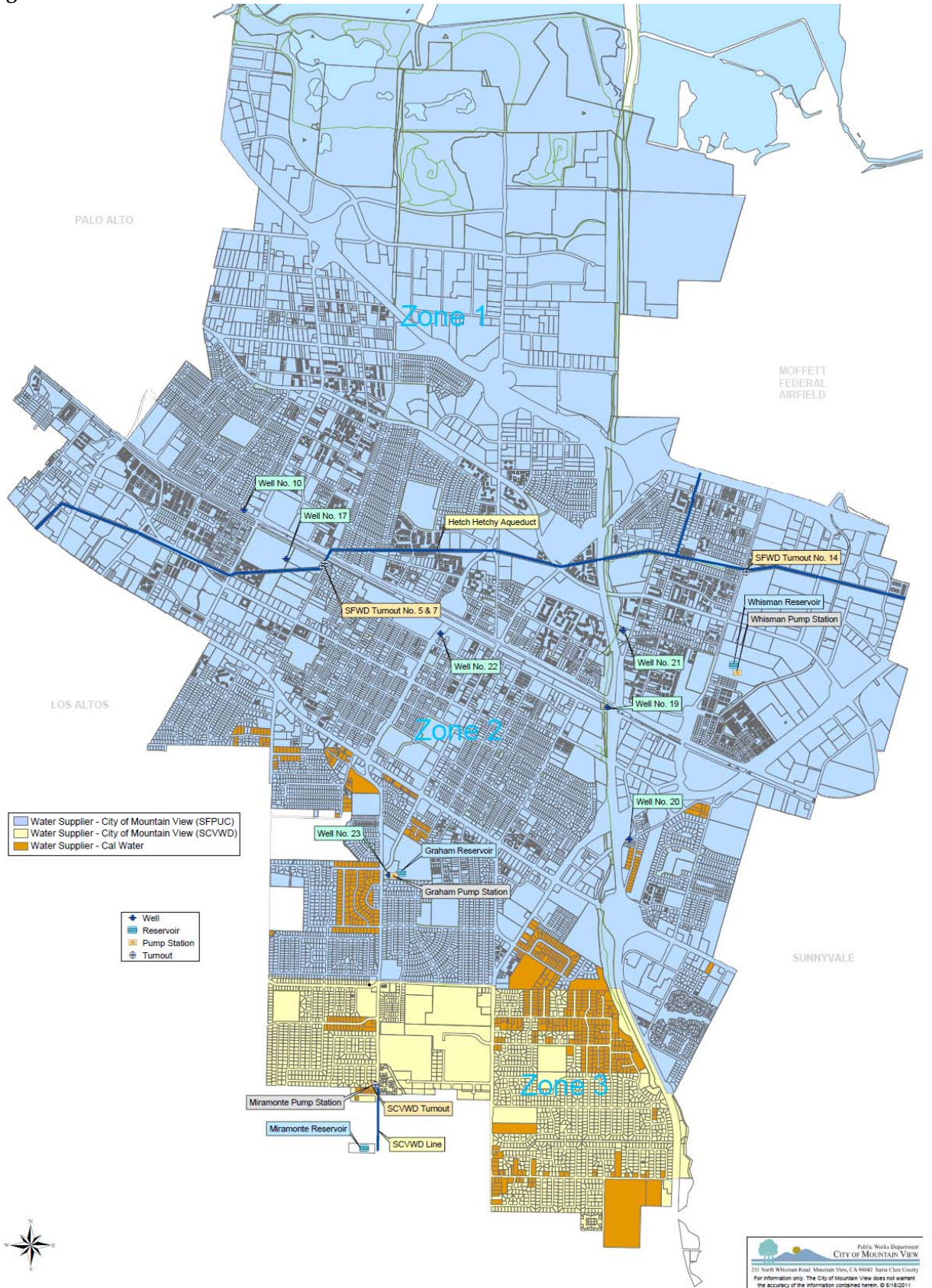
Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE
408-367-8387



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.

Figure 3-2: Water Service Area Details



Blanusa, Danilo

From: Blanusa, Danilo
Sent: Wednesday, August 19, 2015 3:16 PM
To: 'Gary Chao (garyc@cupertino.org)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Richardson, Ronald
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Los Altos Suburban District
Attachments: Letter to City Planning Officials - Attachmet - LAS.pdf

Tracking:	Recipient	Delivery
	'Gary Chao (garyc@cupertino.org)'	
	Salzano, Tom	Delivered: 8/19/2015 3:16 PM
	Bolzowski, Michael R.	Delivered: 8/19/2015 3:16 PM
	Keck, Jonathan	Delivered: 8/19/2015 3:16 PM
	Richardson, Ronald	Delivered: 8/19/2015 3:16 PM

Dear Mr. Chao,

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 Los Altos Suburban District provides water service to the City of Cupertino.

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 11, 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

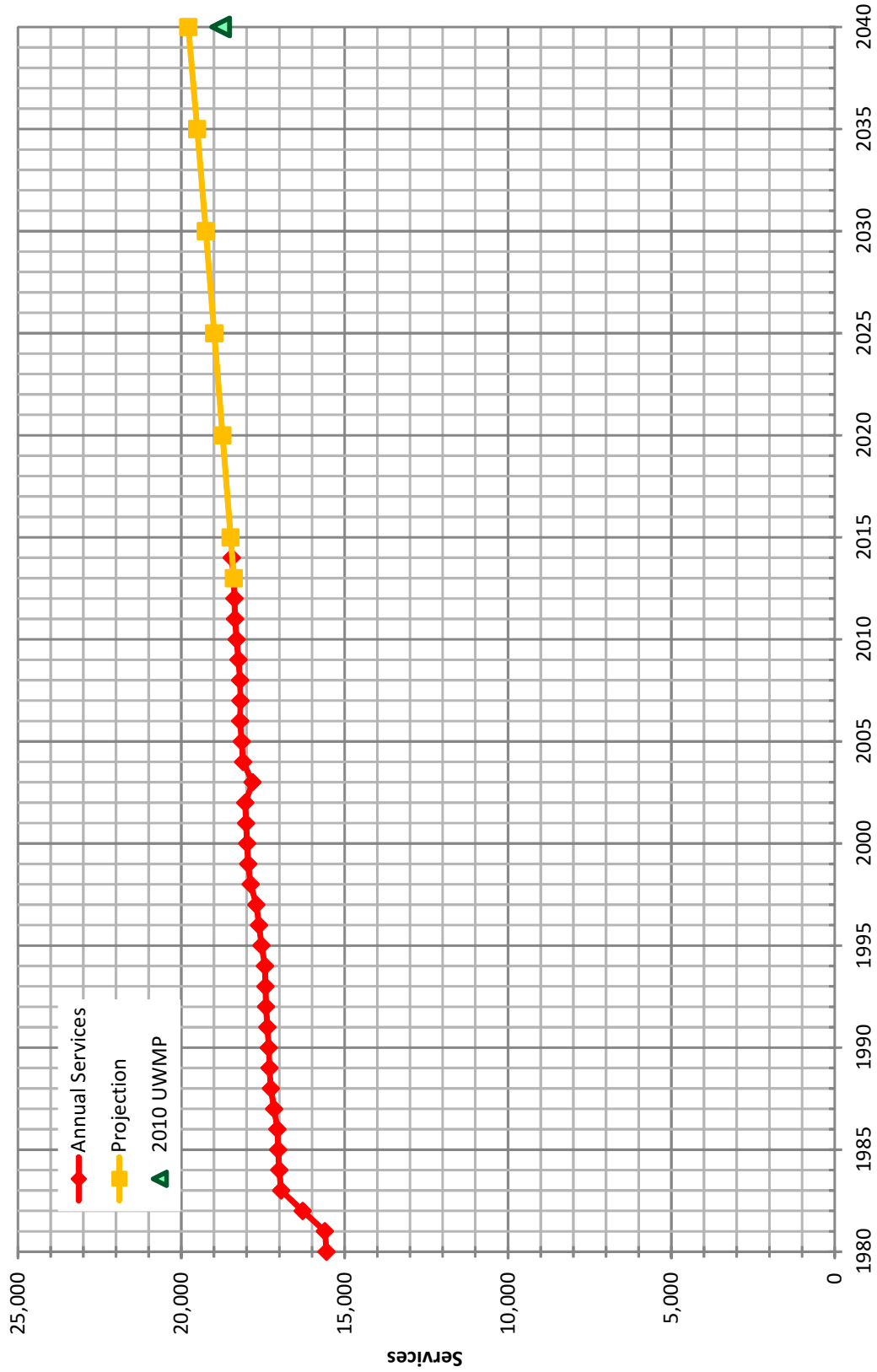
Thomas A. Salzano
Water Resource Planning Supervisor

Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE
408-367-8387



Quality. Service. Value.
calwater.com

Historical & Projected Services



California Water Service Company - Los Altos Suburban District

Water Supply and Demand Analysis and Projections

Actual & Projected Annual Average Services

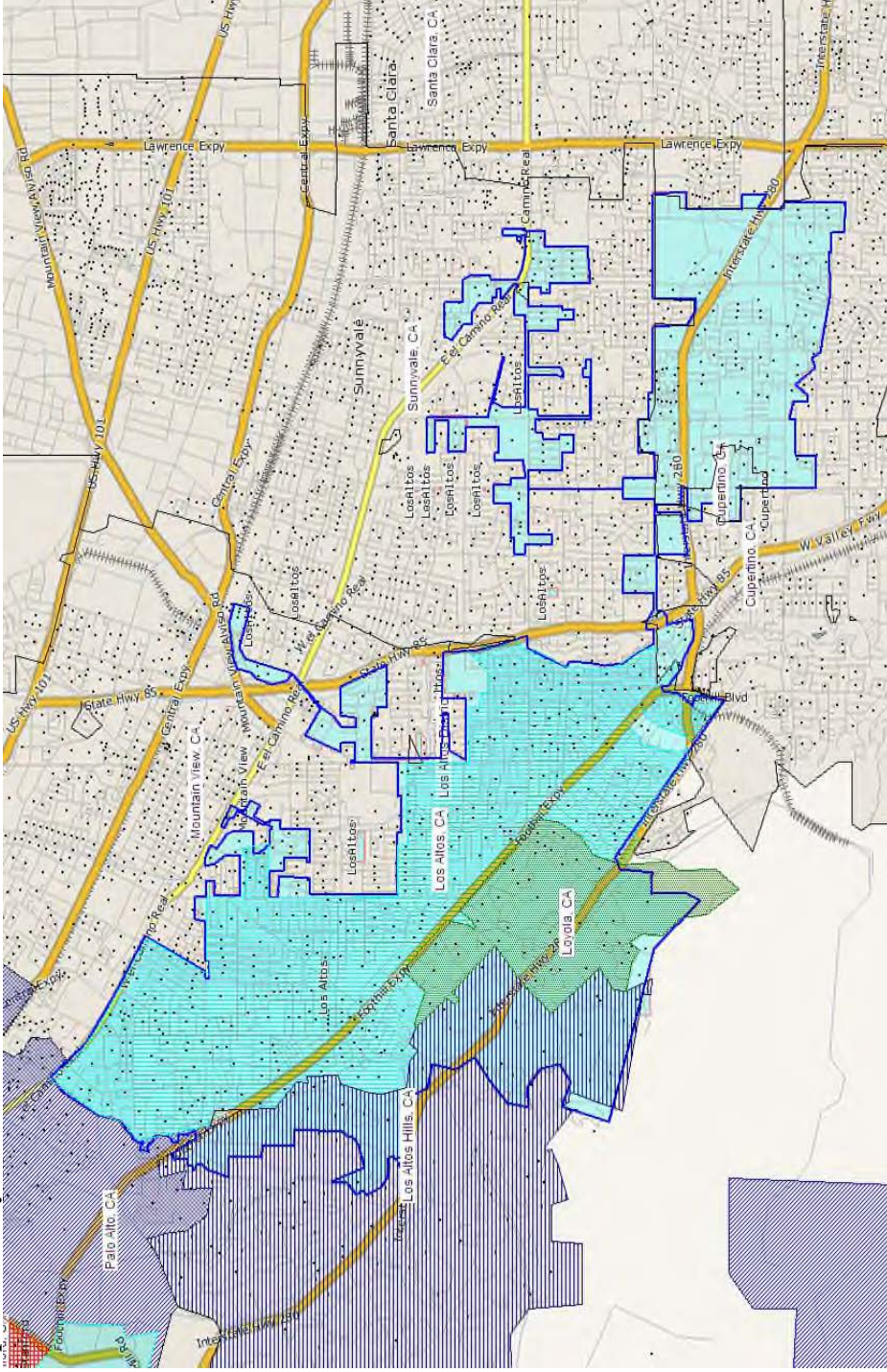
Customer Category	Selected Trend	Growth Rate	Actual Services				Projected Services										Total Increase from Base Year						
			2000	2005	2010	Base Year 2013	2015	2020	2025	2030	2035	2040											
SFR	SFR_E 20 Yr. Avg.	0.25%	16,575	16,711	16,784	16,841	16,925	17,137	17,352	17,570	17,790	18,013	18,236	18,460	18,684	18,908	19,132	19,356	19,580	19,804	20,028	1,172	
MFR	MFR_E User Defined = SCCEF	1.90%	119	119	149	159	165	181	199	219	240	264	288	312	336	360	384	408	432	456	480	504	105
COM	COM_C 10 Yr. Avg.	0.18%	1,068	1,092	1,151	1,156	1,160	1,170	1,181	1,191	1,202	1,213	1,224	1,235	1,246	1,257	1,268	1,279	1,290	1,301	1,312	1,323	57
IND	IND_A Zero Growth Rate	0.00%	7	7	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0
GOV	GOV_E 20 Yr. Avg.	0.93%	200	211	198	203	207	217	227	238	249	261	272	283	294	305	316	327	338	349	360	371	57
OTH	OTH_A Zero Growth Rate	0.00%	15	13	19	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
TOTAL	Average growth rate 2014-2040	0.27%	17,984	18,153	18,306	18,392	18,490	18,739	18,992	19,251	19,515	19,784	20,053	20,322	20,591	20,860	21,129	21,398	21,667	21,936	22,205	22,474	1,392

Number of units in given yr =	9,743	10,704	11,760	12,921	14,196	15,596
Increase in MFR units =	360	961	1,056	1,160	1,275	1,401

Percent of COM to Total	5.94%	6.01%	6.29%	6.28%	6.27%	6.25%	6.22%	6.19%	6.16%	6.13%
Percent of GOV to Total	1.11%	1.16%	1.08%	1.11%	1.12%	1.16%	1.20%	1.24%	1.28%	1.32%

Notes:

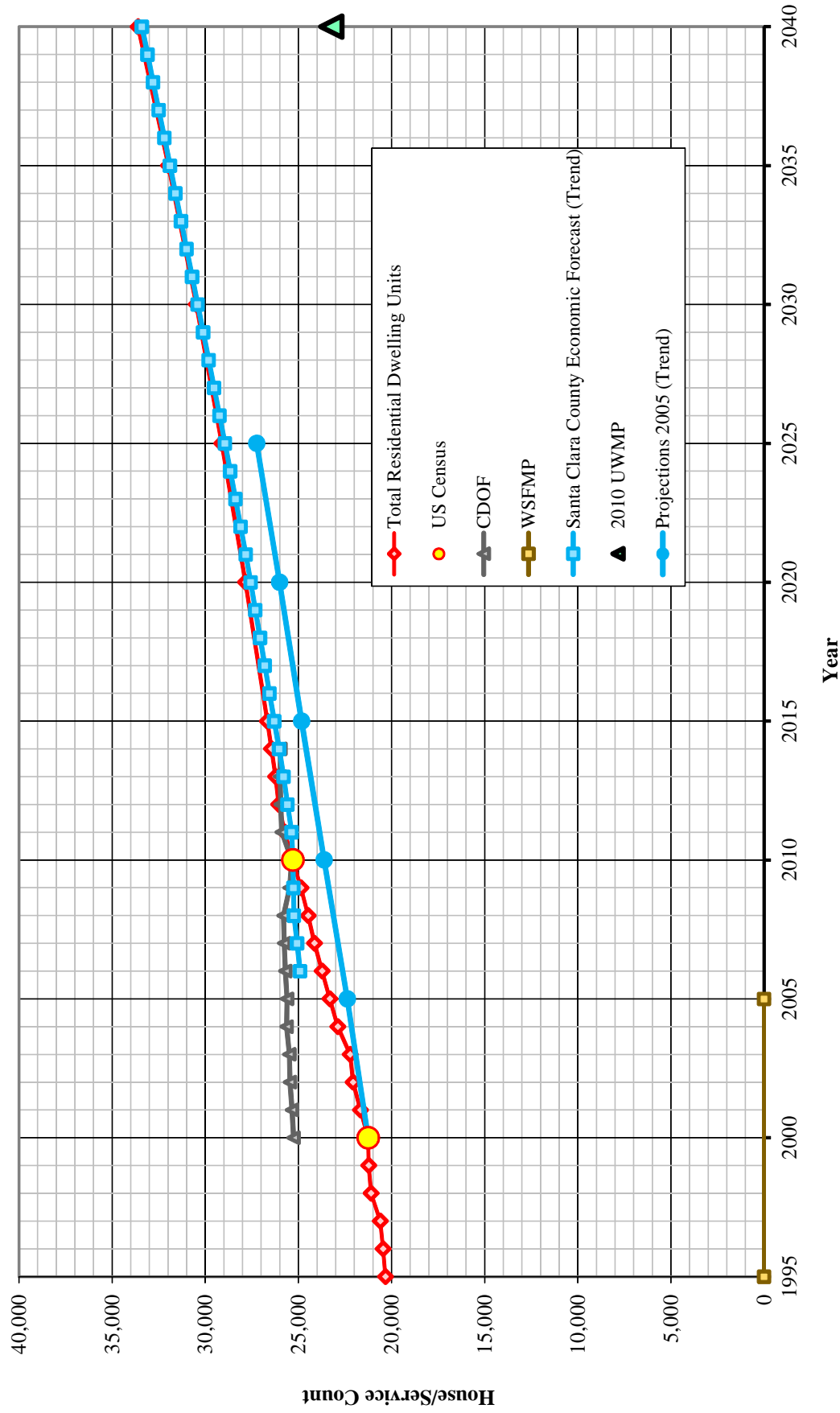
**California Water Service Company - Los Altos Suburban District
Water Supply and Demand Analysis and Projections
Marplot Summary**



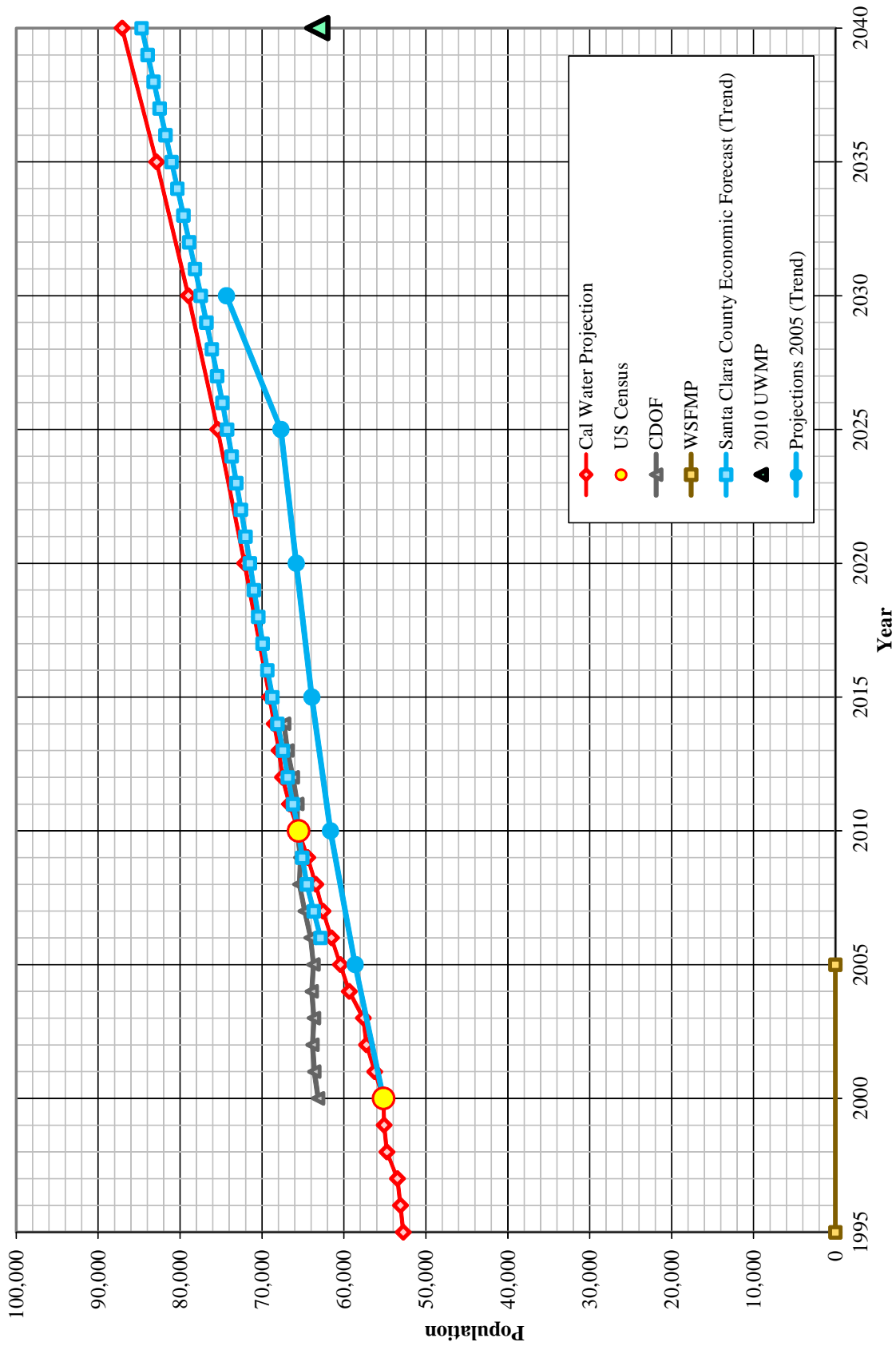
System	US Census 2000 Summary			US Census 2010 Summary			2000-2010 Change				
	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Los Alto Suburban	662	55,177	21,258	2.60	631	65,550	25,301	2.59	118.8%	119.0%	99.8%
	662	55,177	21,258	2.60	631	65,550	25,301	2.59	118.8%	119.0%	99.8%

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 - Los Altos Suburban 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)	Services	Units (DU)	Density	
2000	55,177	21,258	2.596	16,575	119	4,683	39.3	0
2010	65,550	25,301	2.591	16,784	149	8,517	57.0	0
	18.8%	19.0%	-0.2%	1.3%	25.6%	81.9%	44.9%	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
		Services	Residential Units (DU)				
1995	16,189	105	4,138	0	20,327	2.596	52,762
1996	16,252	107	4,204	0	20,456	2.596	53,094
1997	16,325	109	4,279	0	20,605	2.596	53,481
1998	16,479	117	4,617	0	21,096	2.596	54,755
1999	16,546	119	4,679	0	21,225	2.596	55,092
2000	16,575	119	4,683	0	21,258	2.596	55,177
2001	16,607	119	5,066	0	21,673	2.595	56,245
2002	16,618	119	5,449	0	22,067	2.595	57,256
2003	16,388	119	5,833	0	22,221	2.594	57,644
2004	16,671	119	6,216	0	22,887	2.594	59,362
2005	16,711	119	6,600	0	23,311	2.593	60,450
2006	16,748	119	6,983	0	23,731	2.593	61,529
2007	16,769	119	7,367	0	24,136	2.592	62,565
2008	16,728	136	7,750	0	24,478	2.592	63,442
2009	16,729	150	8,134	0	24,862	2.591	64,425
2010	16,784	149	8,517	0	25,301	2.591	65,550
2011	16,829	151	8,900	0	25,729	2.591	66,660
2012	16,831	156	9,230	0	26,061	2.591	67,519
2013	16,841	159	9,383	0	26,223	2.591	67,940
2014	16,883	162	9,561	0	26,444	2.591	68,511
2015	16,925	165	9,743	0	26,668	2.591	69,090
2020	17,137	181	10,704	0	27,841	2.591	72,131
2025	17,352	199	11,760	0	29,112	2.591	75,424
2030	17,570	219	12,921	0	30,490	2.591	78,994
2035	17,790	240	14,196	0	31,986	2.591	82,868
2040	18,013	264	15,596	0	33,609	2.591	87,075

^ | ACTUAL
 | | PROJECTED
 ^ |
 | |
 V |

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.

Keck, Jonathan

Subject: UWMP Coordination Meeting
Location: Conference Call | Call Number = 866-434-5269 | Passcode = 2614273

Start: Thu 4/7/2016 2:00 PM
End: Thu 4/7/2016 3:30 PM

Recurrence: (none)

Meeting Status: Meeting organizer

Organizer: Keck, Jonathan
Required Attendees: Wagner, Scott; Bolzowski, Michael R.; Blanusa, Danilo; He, Ting; CTulloch@valleywater.org
Optional Attendees: Richardson, Ronald

UWMP Coordination Meeting Cal Water – Los Altos – SCVWD

Team –

The objective of this meeting is to discuss the contents of the information request below.



I will compile a separate information package to be shared and discussed. But from a scheduling standpoint, I'd like to get this on everyone's calendar. I've scheduled the meeting for 90 minutes, just to be safe. However, in all likelihood, we will be finished within an hour or so. The conference call information is cited above.

Thank you,

Jonathan Keck
Cal Water
408-367-8549

Keck, Jonathan

From: Keck, Jonathan
Sent: Thursday, March 17, 2016 11:02 AM
To: 'Cris Tulloch'
Cc: PlanningInfo
Subject: RE: UWMP and Planning Coordination Meeting and Information Request

Hello Cris –

Count us in (Cal Water). I/we need to go over our group's schedule to work-out a best time. But let's make sure that we connect on this topic sometime in the next 1-3 weeks. You can view me as a point of contact for the immediate term. We'll let you know if we shift responsibilities.

Thanks & Regards,

Jonathan

From: Cris Tulloch [<mailto:CTulloch@valleywater.org>]
Sent: Wednesday, March 16, 2016 5:01 PM
To: Jerry De La Piedra; nhawk@ci.milpitas.ca.gov; smachida@ci.milpitas.ca.gov; ben.pink@sjwater.com; derek.hentschke@sanjoseca.gov; Tuttle, Bill; Walsh, Jake; kwhite@morganhill.ca.gov; Keck, Jonathan; tguster@greatoakswater.com; alison.turner@mountainview.gov; phil.dolon@mountainview.gov; dforonda@santaclara.gov; Lim, Iris; Mansour Nasser; Tracy Hemmeter; Walsh, Jake; Heimer, Shannon; Anthony Eulo; Rick.Smelser@ci.gilroy.ca.us; Flegel, Elizabeth; Dailey, Karla; Jeffery Leung; pwalter@purissimawater.org
Subject: UWMP and Planning Coordination Meeting and Information Request

This is an EXTERNAL EMAIL. Stop and think before clicking a link or opening attachments.

Dear Water Retailer representatives,

As part of the development of the 2015 UWMPs, DWR encourages coordination with local planning agencies in the development of water demand.

From Page 4-1 of the UWMP 2015 Guidebook:

“Assessments of future growth and related water demand, done in coordination with local planning agencies, provide essential information for developing demand projections. Agencies are encouraged to coordinate and communicate with other planning agencies when developing demand projections”

Another benefit of this coordination is a clear understanding of what new developments are included in the demand assumptions to facilitate the preparation and review of Water Supply Assessments for new developments.

We would like to schedule a meeting with you or your staff and appropriate planning staff to discuss assumptions regarding service area growth and water demand projections. Some of the major areas to be discussed:

1. What documented growth assumptions (e.g., ABAG projections, General Plans, other) were included in your UWMP water demand assumptions?
2. Do the city plans or demand assumptions conflict with, or have major deviations with, Plan Bay Area projections and assumptions?
3. Do you have a list of developments that are specifically included or excluded from the demand assumptions, including Priority Development Areas (PDAs) in ABAG Plan Bay Area 2013? And for those included, are they considered in approved planning documents such as General Plans?
4. What major or significant changes have happened or expected within certain water use sectors? (for example, recent relocation or changes in: major industries, large public facilities, cooling centers, large irrigated turf, etc.)

The District would like to conduct these meeting between March 24th and April 8th.

Please reply with your agency's willingness to coordinate with the district, and please inform us of the appropriate point of contact with your agency and the planning agency in your jurisdiction. If you have already coordinated with your city planning staff and can answer these questions by phone or letter, please let us know.

The district appreciates your willingness in this effort and the increased coordination seen during this time of unprecedented drought.

If you have any questions, you can contact me by email or at 48-630-2604. (note I will be out of this office March 17 to 21)

Cris Tulloch
Associate Water Resources Specialist
Water Supply Planning and Conservation Unit

Appendix C: Correspondences

- UWMP Public Draft Comments

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