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 East Los Angeles 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 East Los Angeles Customer Center located at 2000 South Tubeway, Commerce, CA 90040.

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,

Scott Wagner
Director of Capital Planning & Water Resources

Tammy Hierlihy
Water Resources and Planning Manager
Central Basin Municipal Water District
2000 South Tubeway
Commerce, CA 90040
tammyh@centralbasin.org

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Council Member
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Mayor Pro Tem
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Council Member
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John Gulledge
Department Head
Los Angeles County Sanitation Districts
2000 South Tubeway
Commerce, CA 90040
jgulledge@lacsd.org

Appendix C: Correspondences

- Growth Projection Letter to Cities and Counties

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Thursday, August 20, 2015 2:27 PM
To: 'Ariel Socarras (asocarras@cityofmontebello.com)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Armendariz Jr., Daniel
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - East Los Angeles District
Attachments: Letter to City Planning Officials - Attachmet - ELA.pdf

Tracking:

Recipient	Delivery
'Ariel Socarras (asocarras@cityofmontebello.com)'	
Salzano, Tom	Delivered: 8/20/2015 2:27 PM
Bolzowski, Michael R.	Delivered: 8/20/2015 2:27 PM
Keck, Jonathan	Delivered: 8/20/2015 2:27 PM
Armendariz Jr., Daniel	Delivered: 8/20/2015 2:27 PM

Dear Mr. Socarras,

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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
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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.

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- **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.

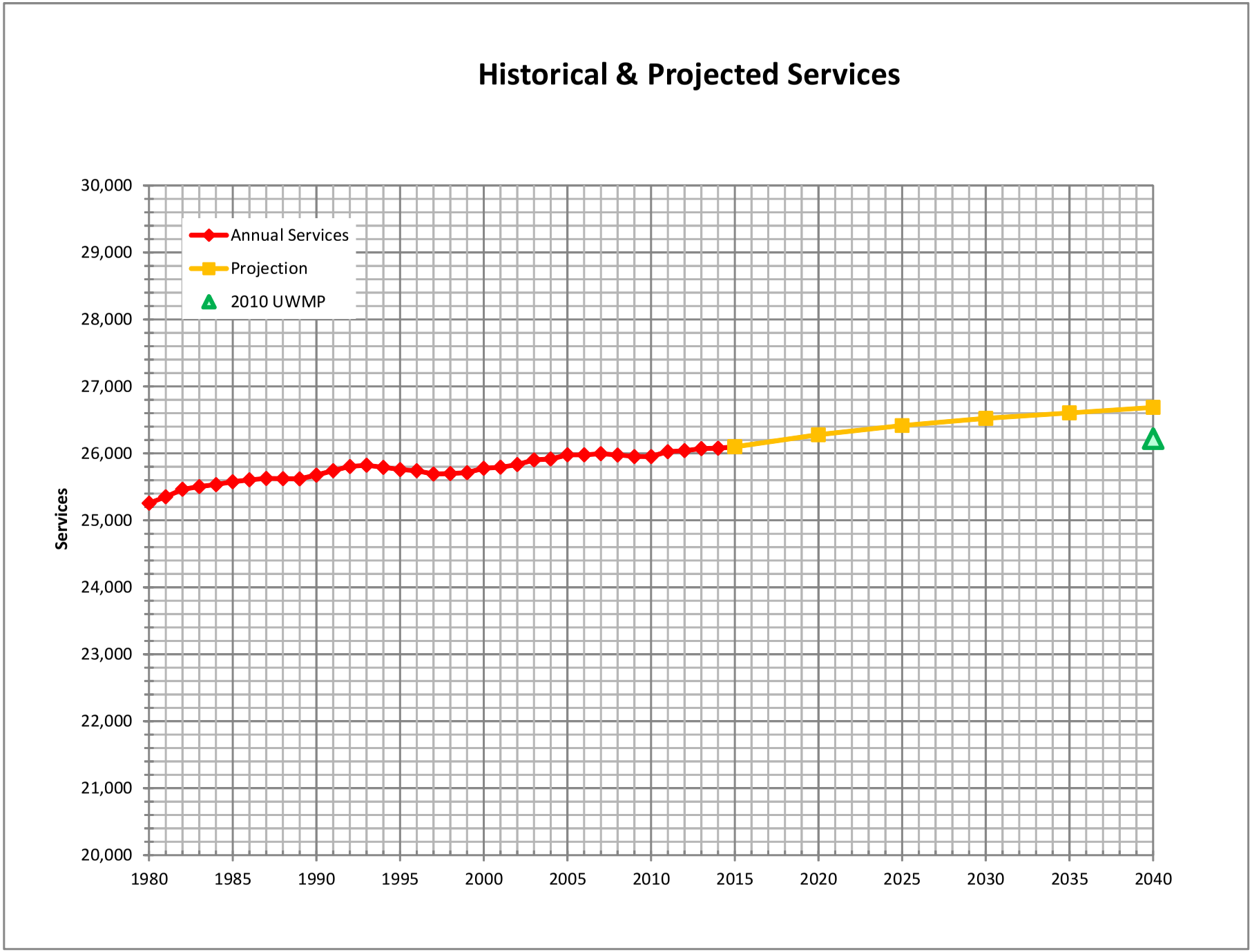
Thank you for your assistance in this effort.

Respectfully,

Thomas A. Salzano

Thomas A. Salzano
Water Resource Planning Supervisor

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


Historical & Projected Services
Annual Services
Projection
2010 UWMP
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30,000
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California Water Service Company - East Los Angeles District

Worksheet 8

Water Supply and Demand Analysis and Projections

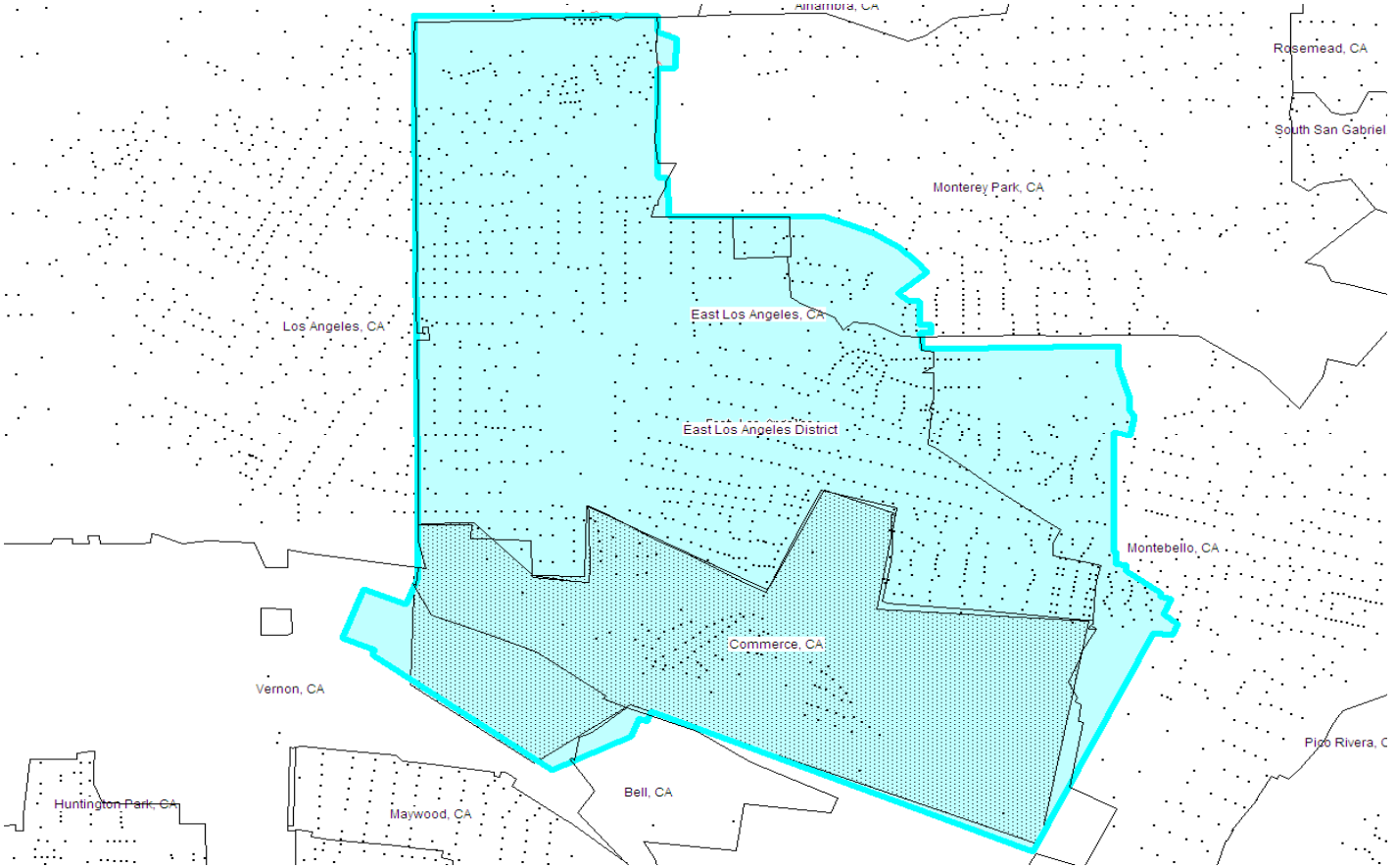
Customer Category		Selected Trend		Growth Rate	Actual Services				Projected Services					
					2000	2005	2010	Base Year 2015	2015	2020	2025	2030	2035	2040
SFR		SFR_B	5 Yr. Avg.	0.05%	20,197	20,371	20,257	20,306	20,306	20,355	20,404	20,453	20,502	20,551
MFR		MFR_F	User Trend	1.03%	136	136	135	715	715	820	881	912	917	922
COM		COM_F	User Trend	0.09%	4,972	4,993	5,073	4,605	4,605	4,626	4,647	4,668	4,689	4,710
IND		IND_A	Zero Growth Rate	0.00%	134	127	112	107	107	107	107	107	107	107
GOV		GOV_E	20 Yr. Avg.	0.33%	324	330	361	350	350	356	362	368	374	380
OTH		OTH_D	15 Yr. Avg.	0.52%	14	20	14	14	14	15	15	16	16	16
TOTAL		Average growth rate 2012-2040		0.09%	25,778	25,978	25,952	26,098	26,098	26,278	26,415	26,523	26,604	26,686

California Water Service Company - East Los Angeles District

Worksheet 12

Water Supply and Demand Analysis and Projections

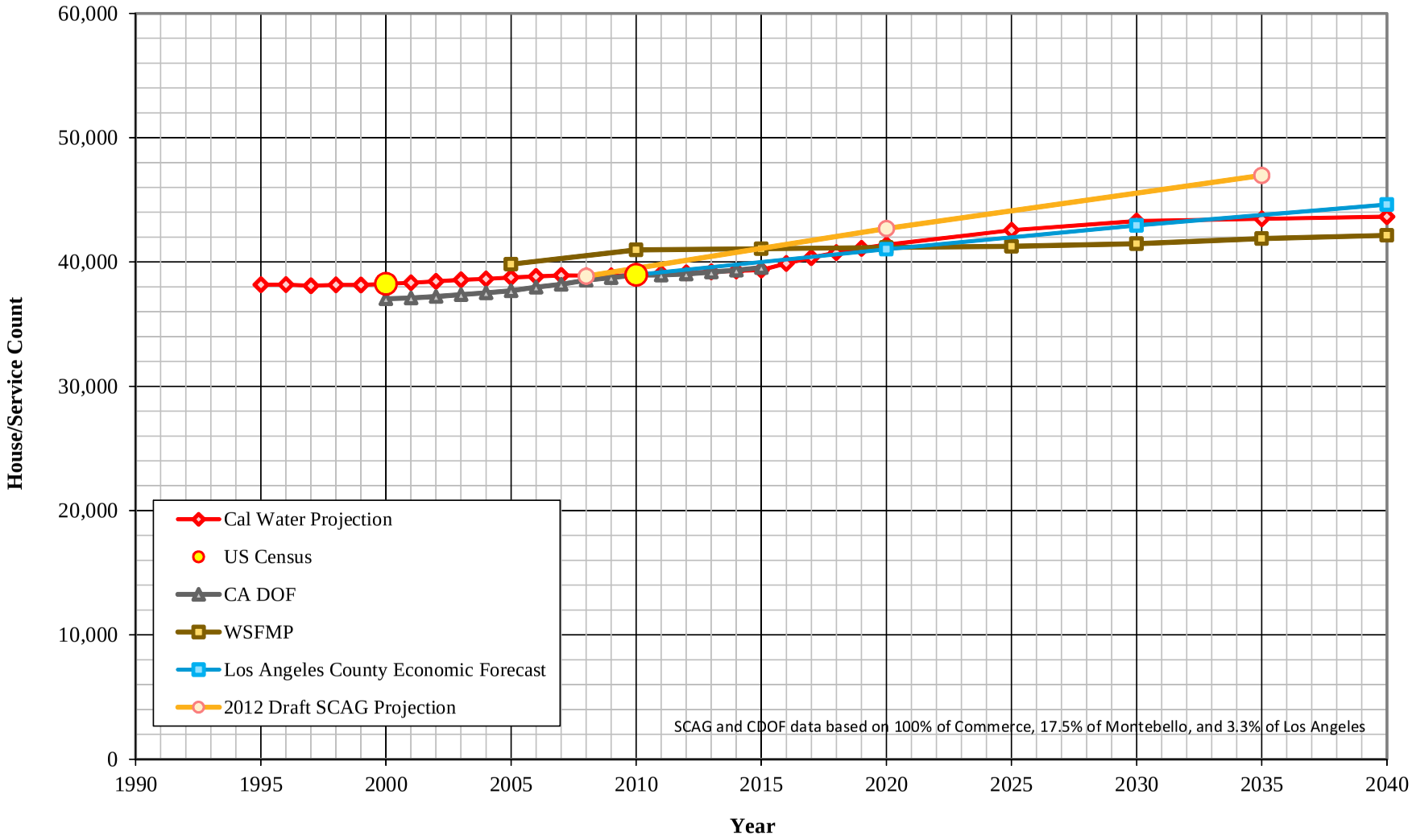
MarPlot Summary



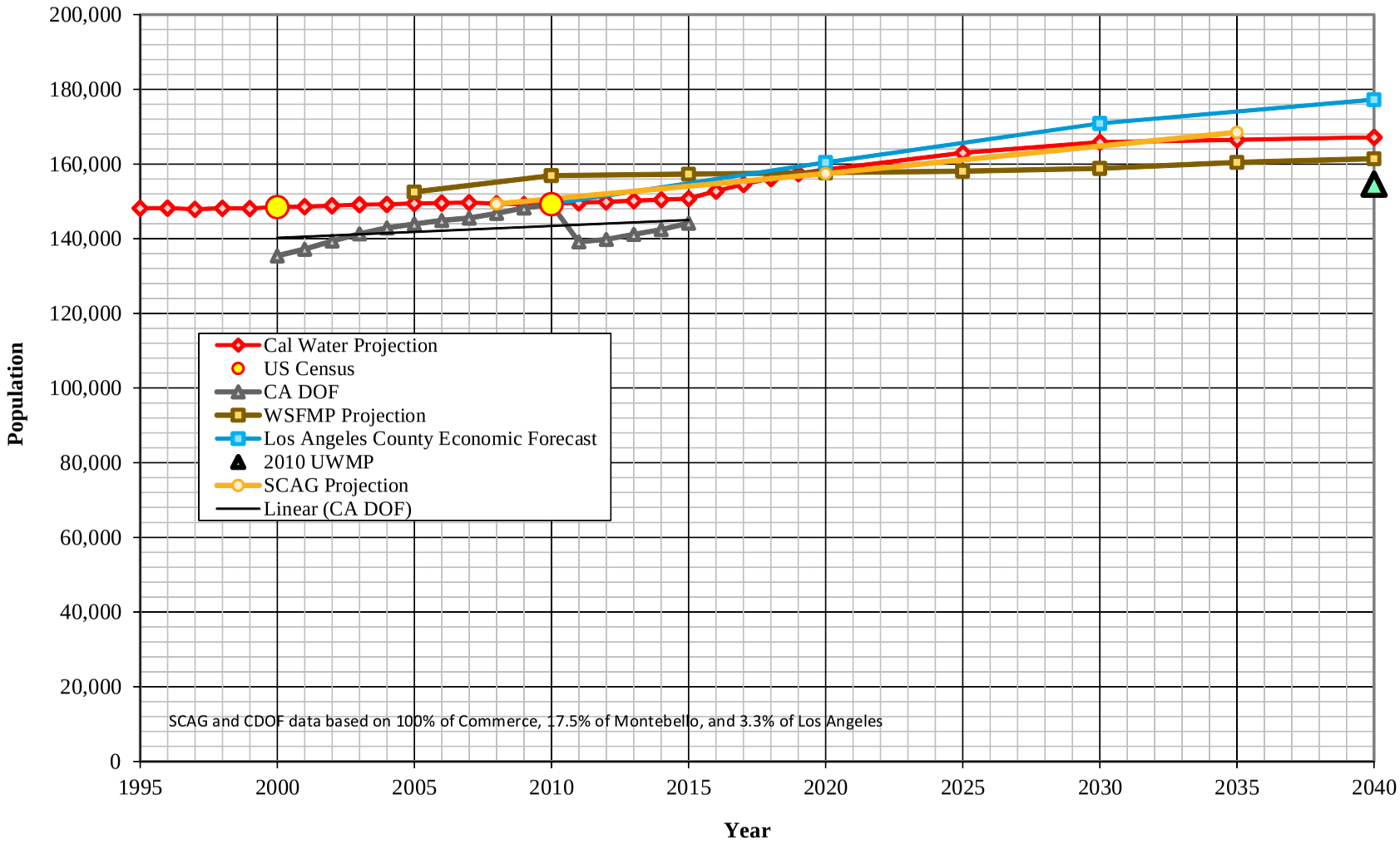
	US Census 2000 Summary				US Census 2010 Summary				2000-2010 Change		
System	Census Tract Blocks	Population	Housing Units (HU)	Density	Census Tract Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
East Los Angeles	950	148,480	38,246	3.88	1,156	149,283	38,973	3.83	100.5%	101.9%	98.7%
	950	148,480	38,246	3.88	1,156	149,283	38,973	3.83	100.5%	101.9%	98.7%

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 centoid, 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 thought part of the block is within the selected objects.

Housing Projections



Population Projections



California Water Service Company - East Los Angeles District

Worksheet 12

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
	Population	Housing Units		Services (DU)	Services	Residential Units (DU)	Unit Density	Services (DU)
2000	148,480	38,246	3.882	20,197	136	18,049	132.7	0
2010	149,283	38,973	3.830	20,257	135	18,716	138.8	0
	0.5%	1.9%	-1.3%	0.3%	-0.9%	3.7%	4.6%	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)	Unit Density					
	1995	20,140	136	18,026	132.7	0	38,167	3.882	148,173	
	1996	20,141	136	18,038	132.7	0	38,178	3.882	148,218	
	1997	20,109	136	17,982	132.7	0	38,091	3.882	147,879	
	1998	20,114	136	18,049	132.7	0	38,163	3.882	148,157	
	1999	20,124	136	18,026	132.7	0	38,150	3.882	148,108	
	2000	20,197	136	18,049	132.7	0	38,246	3.882	148,480	
	2001	20,215	136	18,115	133.3	0	38,330	3.877	148,608	
	2002	20,263	136	18,182	133.7	0	38,445	3.872	148,854	
	2003	20,318	136	18,249	134.2	0	38,567	3.867	149,125	
	2004	20,322	136	18,316	134.9	0	38,638	3.862	149,200	
	2005	20,371	136	18,382	135.2	0	38,754	3.856	149,446	
	2006	20,383	136	18,449	135.7	0	38,832	3.851	149,549	
	2007	20,402	135	18,516	137.1	0	38,918	3.846	149,677	
	2008	20,324	136	18,583	137.1	0	38,907	3.841	149,433	
	2009	20,242	135	18,649	138.1	0	38,892	3.836	149,173	
	2010	20,257	135	18,716	138.8	0	38,973	3.830	149,283	
	2011	20,283	423	18,783	44.4	0	39,066	3.830	149,640	
	2012	20,280	521	18,850	36.2	0	39,129	3.830	149,882	
^	2013	20,287	596	18,917	31.7	0	39,204	3.830	150,167	^
|	2014	20,293	654	18,983	29.0	0	39,277	3.830	150,446	|
ACTUAL	2015	20,306	715	19,050	26.6	0	39,356	3.830	150,751	ACTUAL
PROJECTED	2016	20,316	740	19,568	26.4	0	39,884	3.830	152,773	PROJECTED
|	2017	20,326	763	20,024	26.2	0	40,349	3.830	154,555	|
V	2018	20,335	784	20,418	26.0	0	40,753	3.830	156,103	V
	2019	20,345	803	20,752	25.8	0	41,097	3.830	157,420	
	2020	20,355	820	21,028	25.6	0	41,383	3.830	158,512	
	2025	20,404	881	22,151	25.1	0	42,555	3.830	163,004	
	2030	20,453	912	22,840	25.0	0	43,292	3.830	165,828	
	2035	20,502	917	22,965	25.0	0	43,467	3.830	166,499	
	2040	20,551	922	23,092	25.0	0	43,643	3.830	167,172	

Notes: Linear extrapolation used to estimated MFR-DU from 2000 until 2015 due to reclassification. Declining MFR Unit Density is used until 2025.

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Thursday, August 20, 2015 2:31 PM
To: 'Scott Rigg (srigg@ci.vernon.ca.us)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Armendariz Jr., Daniel
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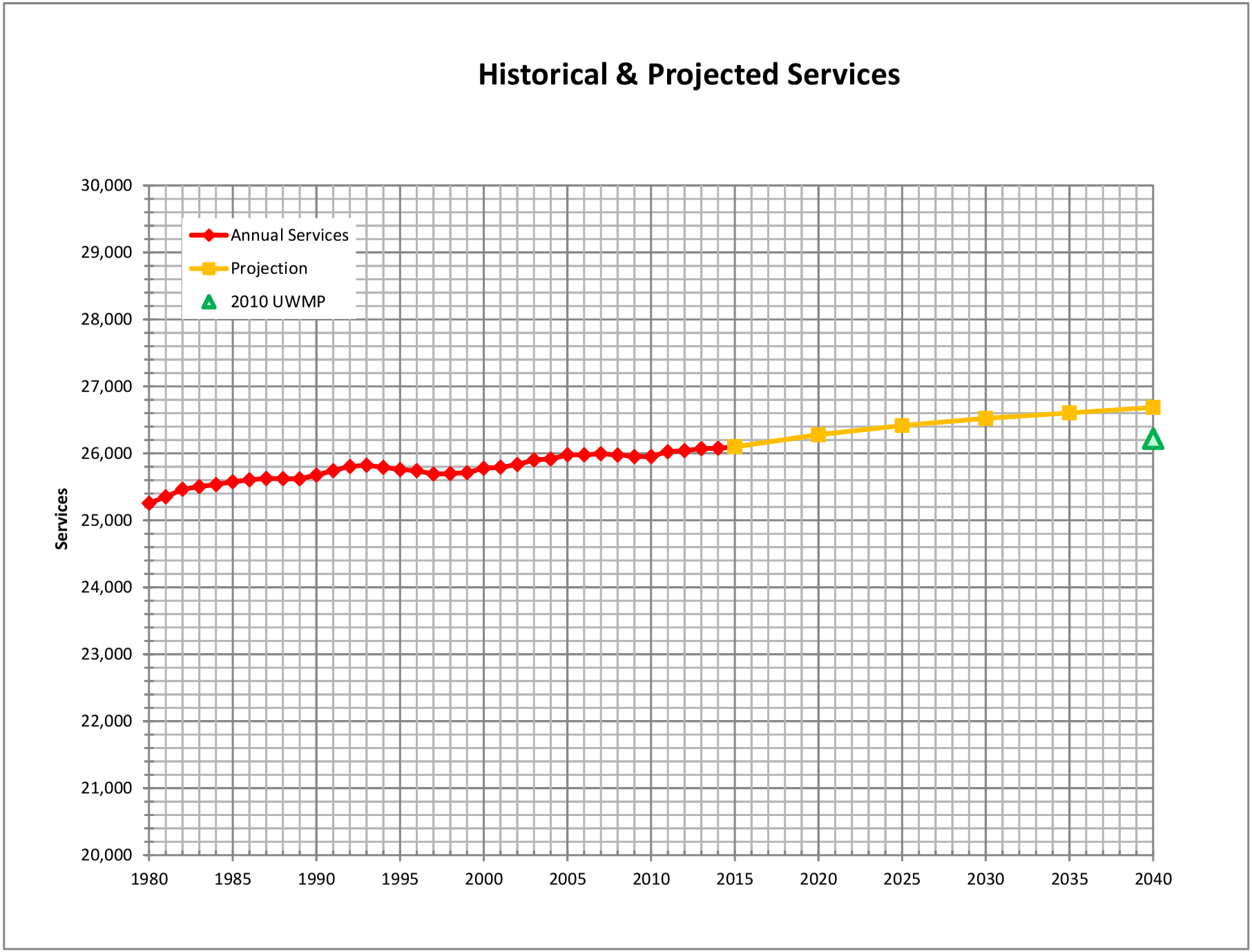
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Thomas A. Salzano
Water Resource Planning Supervisor

Danilo Blanusa, P.E.
Senior Engineer
CALIFORNIA WATER SERVICE
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California Water Service Company - East Los Angeles District

Worksheet 8

Water Supply and Demand Analysis and Projections

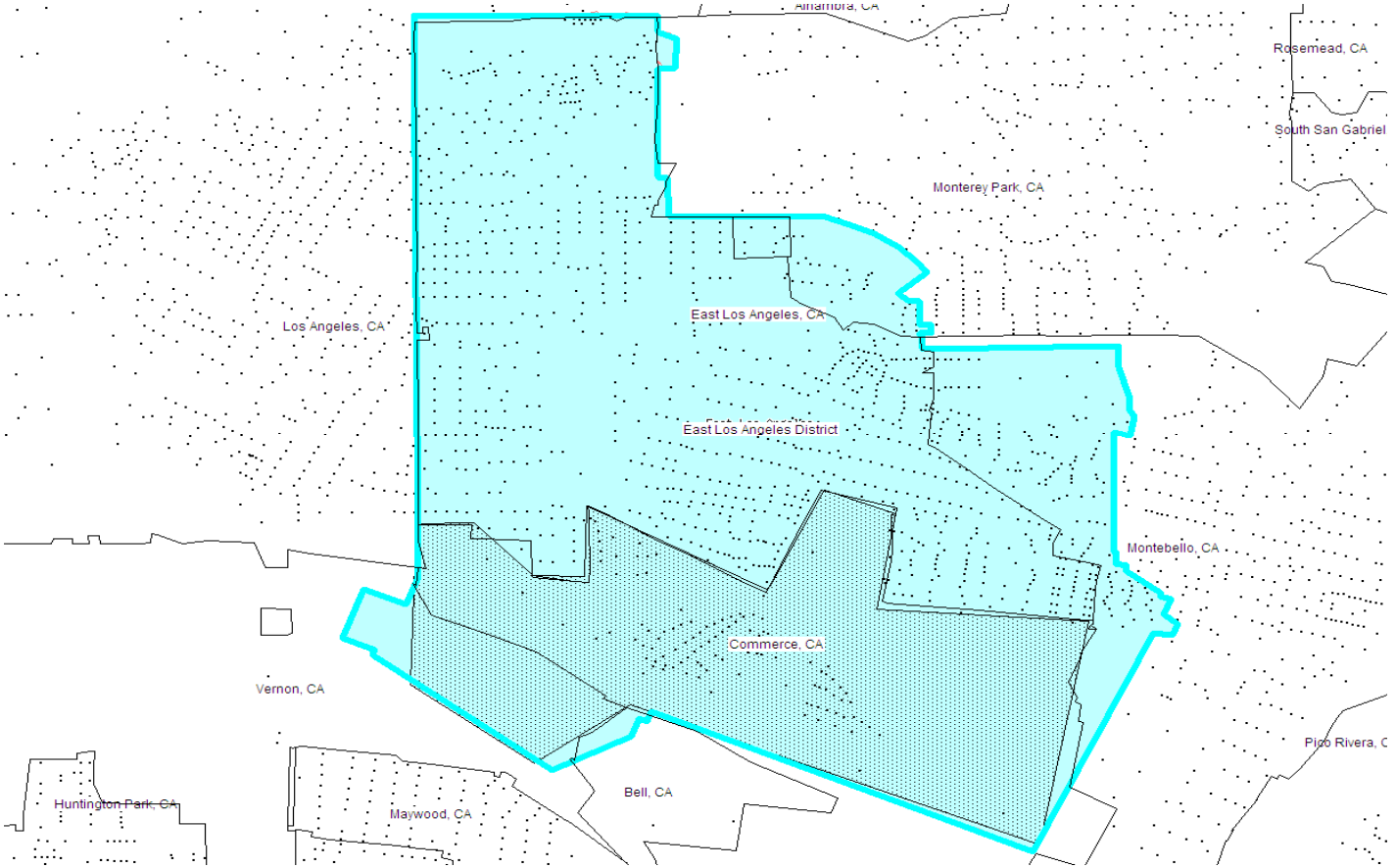
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California Water Service Company - East Los Angeles District

Worksheet 12

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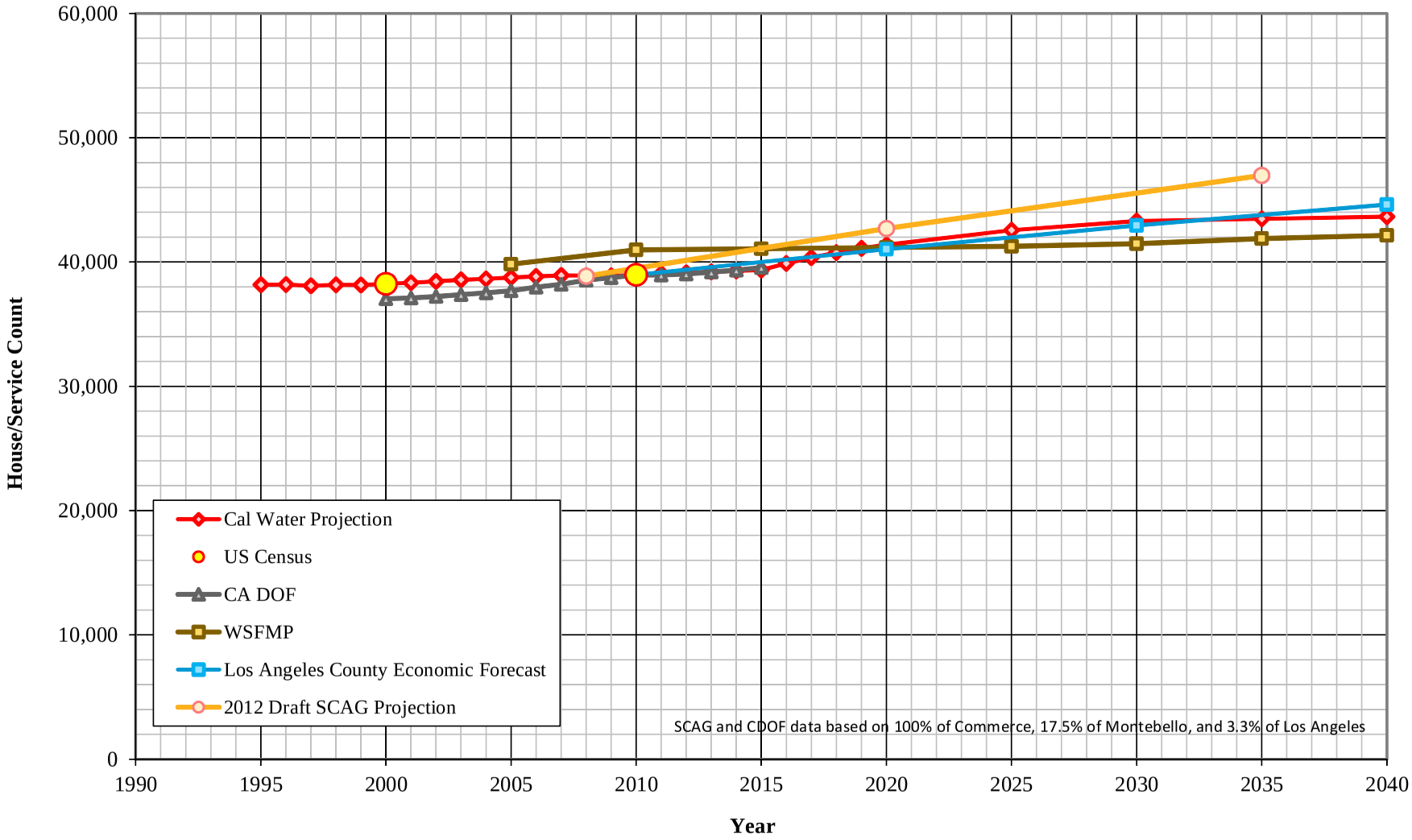
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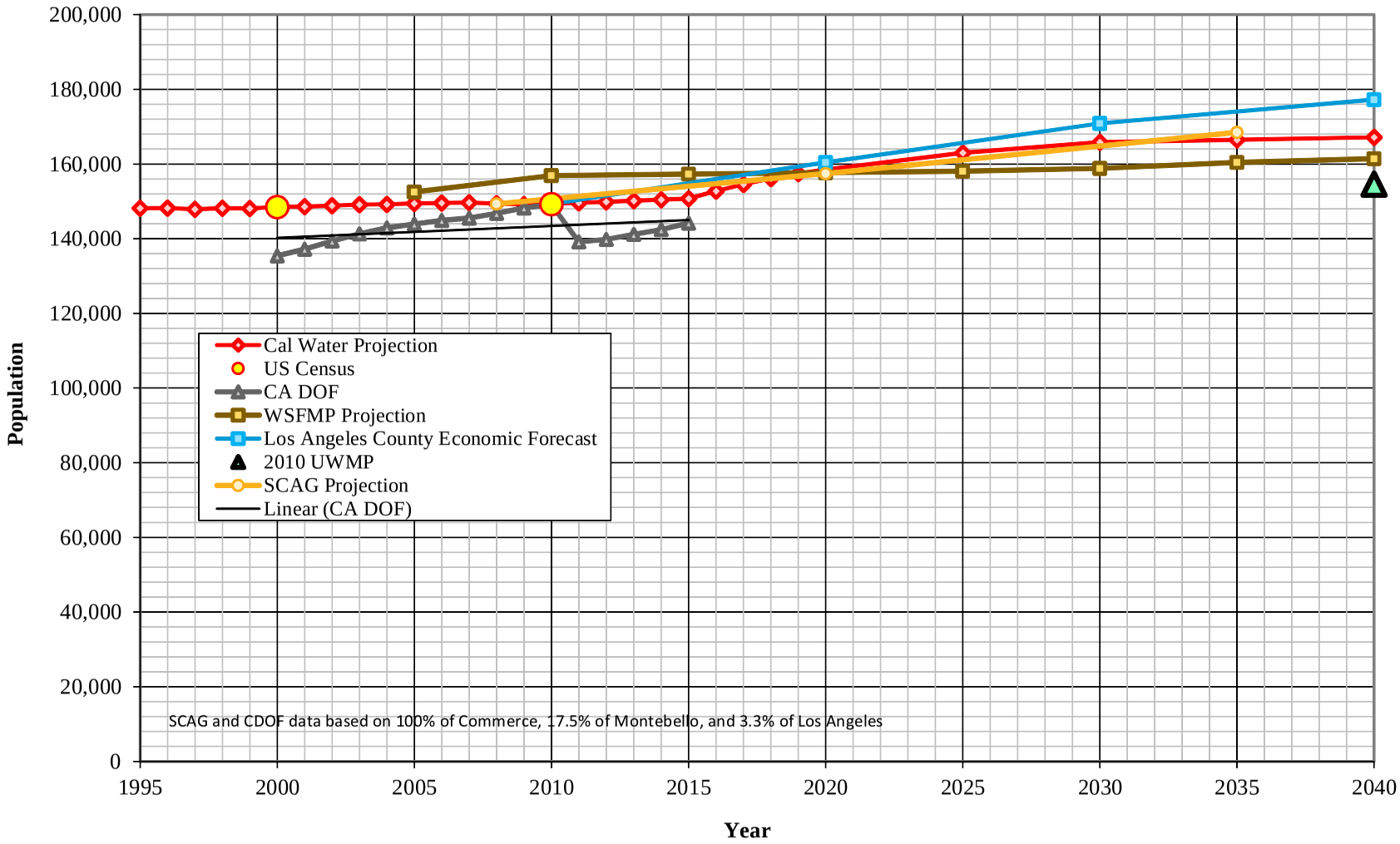
	US Census 2000 Summary				US Census 2010 Summary				2000-2010 Change		
System	Census Tract Blocks	Population	Housing Units (HU)	Density	Census Tract Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
East Los Angeles	950	148,480	38,246	3.88	1,156	149,283	38,973	3.83	100.5%	101.9%	98.7%
	950	148,480	38,246	3.88	1,156	149,283	38,973	3.83	100.5%	101.9%	98.7%

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 centoid, 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 thought part of the block is within the selected objects.

Housing Projections



Population Projections



California Water Service Company - East Los Angeles District

Worksheet 12

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
	Population	Housing Units		Services (DU)	Services	Residential Units (DU)	Unit Density	Services (DU)
2000	148,480	38,246	3.882	20,197	136	18,049	132.7	0
2010	149,283	38,973	3.830	20,257	135	18,716	138.8	0
	0.5%	1.9%	-1.3%	0.3%	-0.9%	3.7%	4.6%	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)	Unit Density					
	1995	20,140	136	18,026	132.7	0	38,167	3.882	148,173	
	1996	20,141	136	18,038	132.7	0	38,178	3.882	148,218	
	1997	20,109	136	17,982	132.7	0	38,091	3.882	147,879	
	1998	20,114	136	18,049	132.7	0	38,163	3.882	148,157	
	1999	20,124	136	18,026	132.7	0	38,150	3.882	148,108	
	2000	20,197	136	18,049	132.7	0	38,246	3.882	148,480	
	2001	20,215	136	18,115	133.3	0	38,330	3.877	148,608	
	2002	20,263	136	18,182	133.7	0	38,445	3.872	148,854	
	2003	20,318	136	18,249	134.2	0	38,567	3.867	149,125	
	2004	20,322	136	18,316	134.9	0	38,638	3.862	149,200	
	2005	20,371	136	18,382	135.2	0	38,754	3.856	149,446	
	2006	20,383	136	18,449	135.7	0	38,832	3.851	149,549	
	2007	20,402	135	18,516	137.1	0	38,918	3.846	149,677	
	2008	20,324	136	18,583	137.1	0	38,907	3.841	149,433	
	2009	20,242	135	18,649	138.1	0	38,892	3.836	149,173	
	2010	20,257	135	18,716	138.8	0	38,973	3.830	149,283	
	2011	20,283	423	18,783	44.4	0	39,066	3.830	149,640	
	2012	20,280	521	18,850	36.2	0	39,129	3.830	149,882	
^	2013	20,287	596	18,917	31.7	0	39,204	3.830	150,167	^
|	2014	20,293	654	18,983	29.0	0	39,277	3.830	150,446	|
ACTUAL	2015	20,306	715	19,050	26.6	0	39,356	3.830	150,751	ACTUAL
PROJECTED	2016	20,316	740	19,568	26.4	0	39,884	3.830	152,773	PROJECTED
|	2017	20,326	763	20,024	26.2	0	40,349	3.830	154,555	|
V	2018	20,335	784	20,418	26.0	0	40,753	3.830	156,103	V
	2019	20,345	803	20,752	25.8	0	41,097	3.830	157,420	
	2020	20,355	820	21,028	25.6	0	41,383	3.830	158,512	
	2025	20,404	881	22,151	25.1	0	42,555	3.830	163,004	
	2030	20,453	912	22,840	25.0	0	43,292	3.830	165,828	
	2035	20,502	917	22,965	25.0	0	43,467	3.830	166,499	
	2040	20,551	922	23,092	25.0	0	43,643	3.830	167,172	

Notes: Linear extrapolation used to estimated MFR-DU from 2000 until 2015 due to reclassification. Declining MFR Unit Density is used until 2025.

Blanusa, Danilo

From: Blanusa, Danilo
Sent: Thursday, August 20, 2015 2:35 PM
To: 'Richard Bruckner (rbruckner@planning.lacounty.gov)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Armendariz Jr., Daniel
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - East Los Angeles District
Attachments: Letter to City Planning Officials - Attachmet - ELA.pdf

Tracking:

Recipient	Delivery
'Richard Bruckner (rbruckner@planning.lacounty.gov)'	
Salzano, Tom	Delivered: 8/20/2015 2:35 PM
Bolzowski, Michael R.	Delivered: 8/20/2015 2:35 PM
Keck, Jonathan	Delivered: 8/20/2015 2:35 PM
Armendariz Jr., Daniel	Delivered: 8/20/2015 2:35 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 East Los Angeles 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 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.

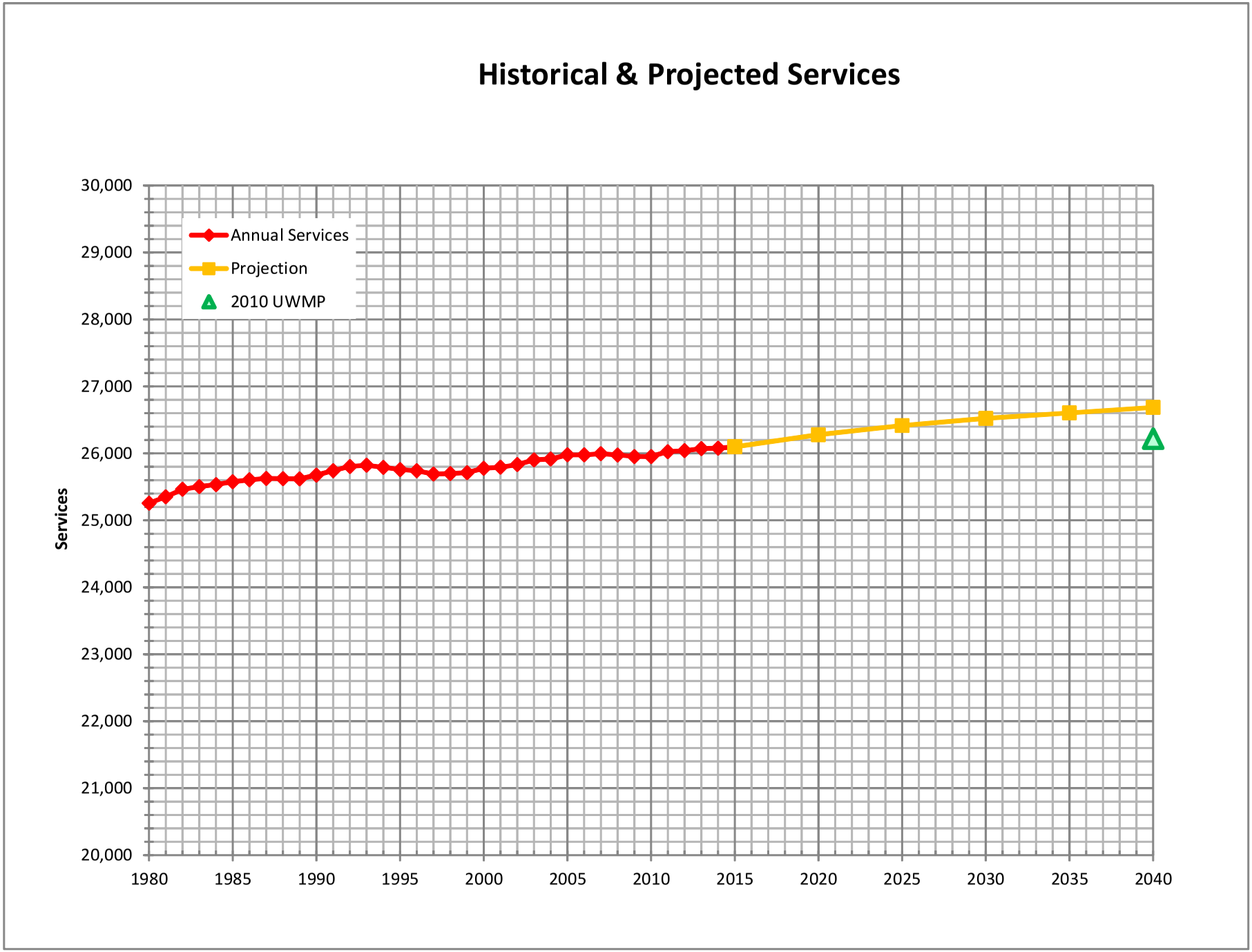
Thank you for your assistance in this effort.

Respectfully,

Thomas A. Salzano

Thomas A. Salzano
Water Resource Planning Supervisor

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


Historical & Projected Services
Annual Services
Projection
2010 UWMP
Services
30,000
29,000
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27,000
26,000
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California Water Service Company - East Los Angeles District

Worksheet 8

Water Supply and Demand Analysis and Projections

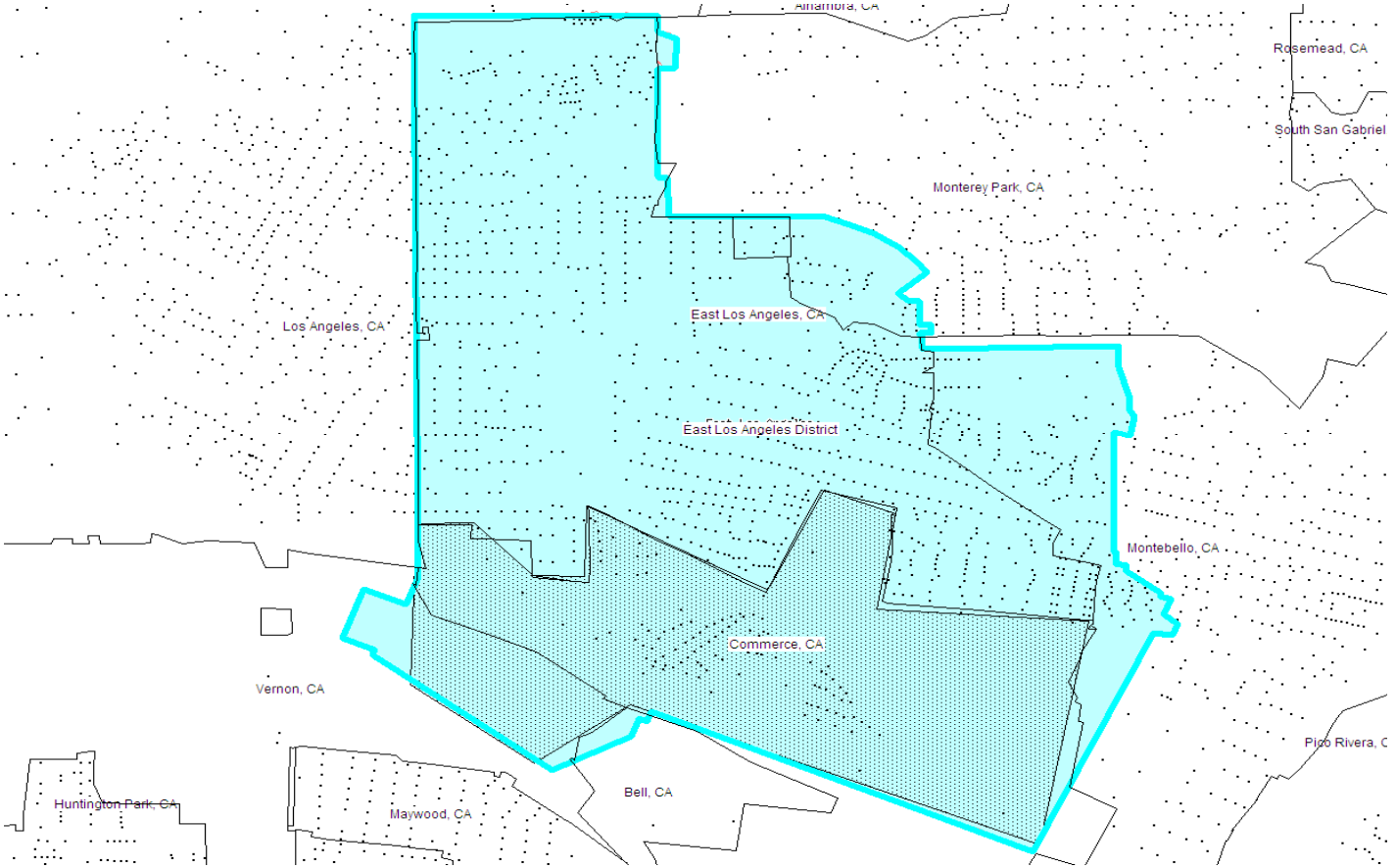
Customer Category		Selected Trend		Growth Rate	Actual Services				Projected Services					
					2000	2005	2010	Base Year 2015	2015	2020	2025	2030	2035	2040
SFR		SFR_B	5 Yr. Avg.	0.05%	20,197	20,371	20,257	20,306	20,306	20,355	20,404	20,453	20,502	20,551
MFR		MFR_F	User Trend	1.03%	136	136	135	715	715	820	881	912	917	922
COM		COM_F	User Trend	0.09%	4,972	4,993	5,073	4,605	4,605	4,626	4,647	4,668	4,689	4,710
IND		IND_A	Zero Growth Rate	0.00%	134	127	112	107	107	107	107	107	107	107
GOV		GOV_E	20 Yr. Avg.	0.33%	324	330	361	350	350	356	362	368	374	380
OTH		OTH_D	15 Yr. Avg.	0.52%	14	20	14	14	14	15	15	16	16	16
TOTAL		Average growth rate 2012-2040		0.09%	25,778	25,978	25,952	26,098	26,098	26,278	26,415	26,523	26,604	26,686

California Water Service Company - East Los Angeles District

Worksheet 12

Water Supply and Demand Analysis and Projections

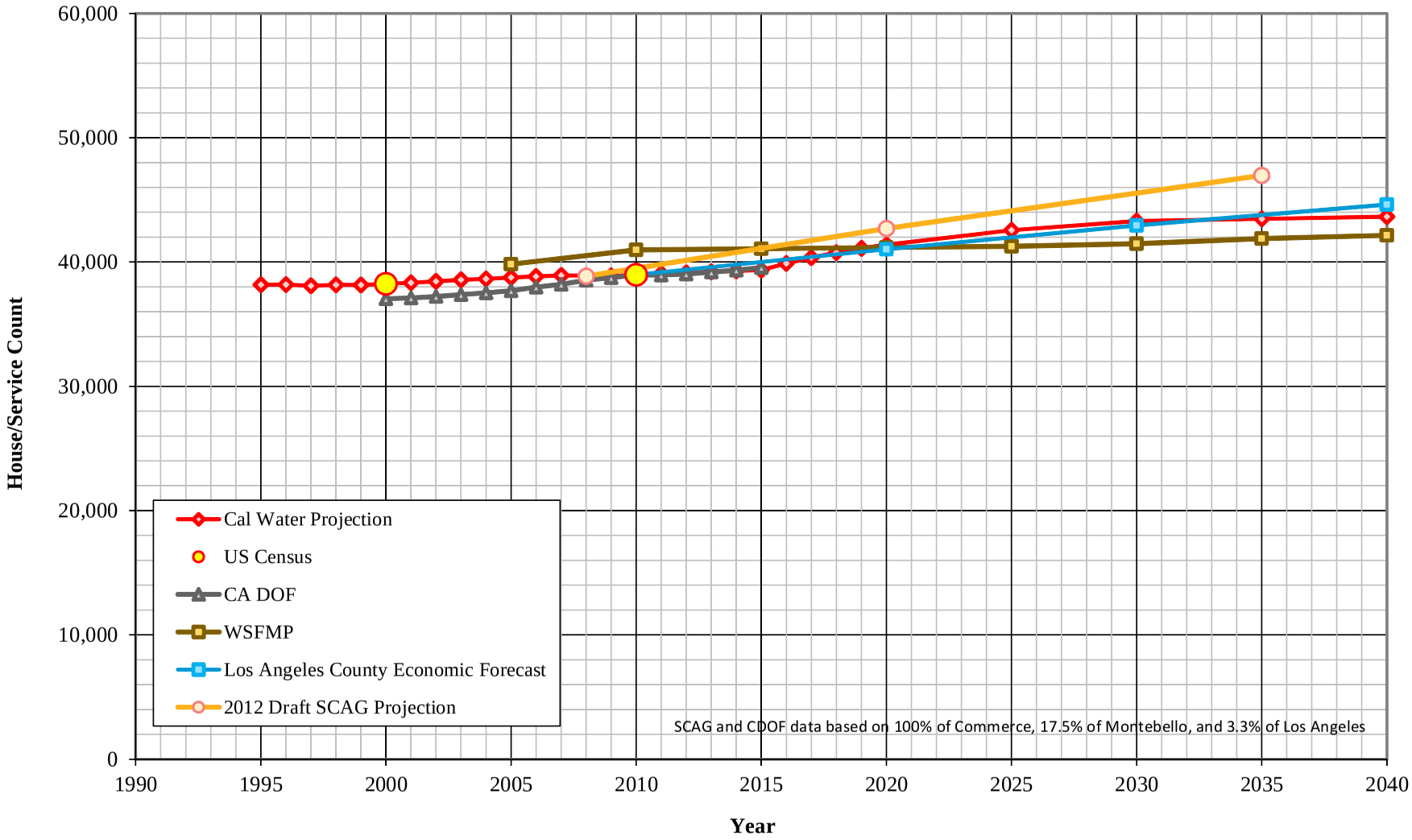
MarPlot Summary



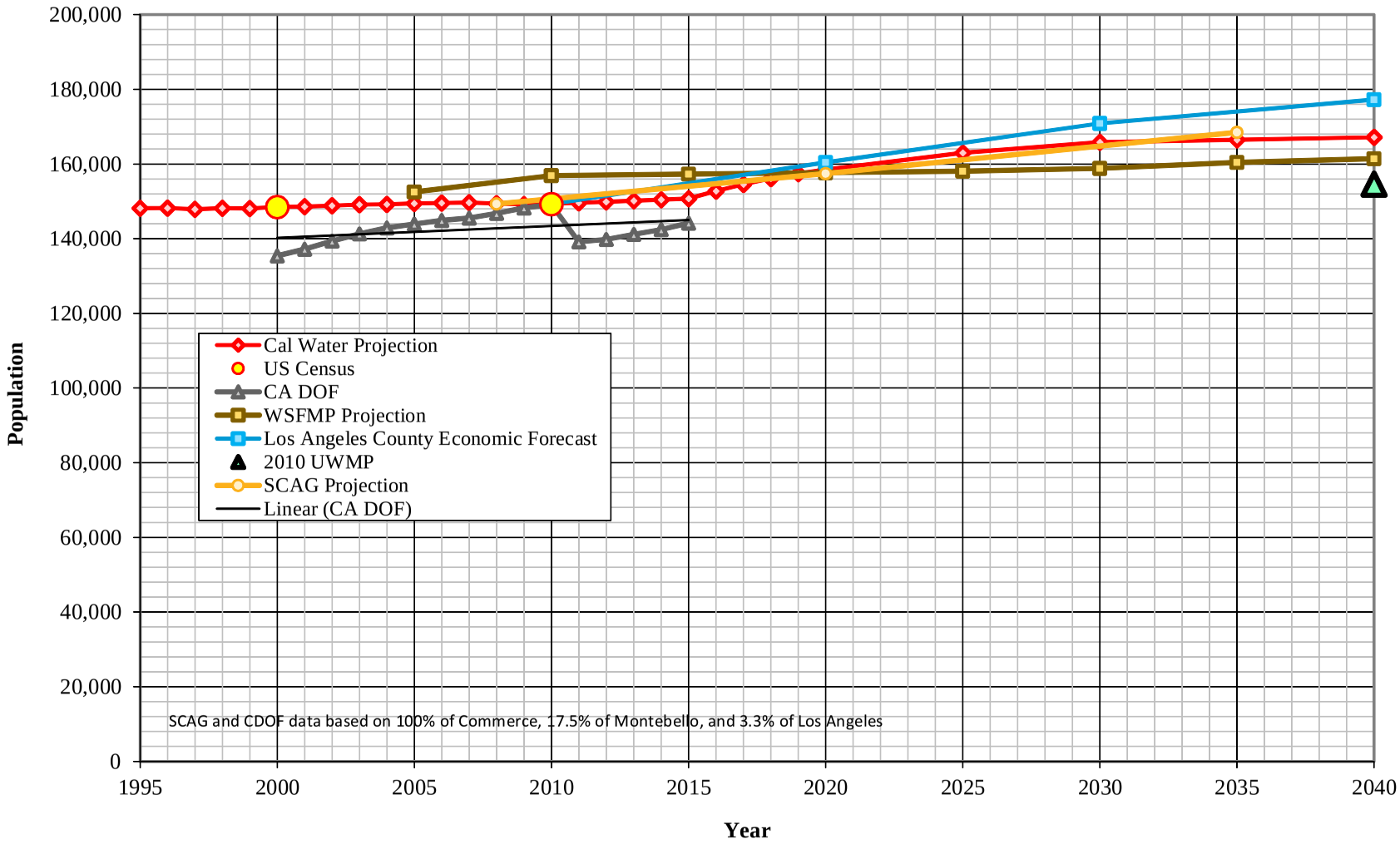
	US Census 2000 Summary				US Census 2010 Summary				2000-2010 Change		
System	Census Tract Blocks	Population	Housing Units (HU)	Density	Census Tract Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
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MARPLOT 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 centoid, 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 thought part of the block is within the selected objects.

Housing Projections



Population Projections



California Water Service Company - East Los Angeles District

Worksheet 12

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
	Population	Housing Units		Services (DU)	Services	Residential Units (DU)	Unit Density	Services (DU)
2000	148,480	38,246	3.882	20,197	136	18,049	132.7	0
2010	149,283	38,973	3.830	20,257	135	18,716	138.8	0
	0.5%	1.9%	-1.3%	0.3%	-0.9%	3.7%	4.6%	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)	Unit Density					
	1995	20,140	136	18,026	132.7	0	38,167	3.882	148,173	
	1996	20,141	136	18,038	132.7	0	38,178	3.882	148,218	
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Blanusa, Danilo

From: Blanusa, Danilo
Sent: Monday, August 24, 2015 3:19 PM
To: 'Maryam Babaki (mbabaki@ci.commerce.ca.us)'
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Armendariz Jr., Daniel
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - East Los Angeles District
Attachments: Letter to City Planning Officials - Attachmet - ELA.PDF

Tracking:

Recipient	Delivery
'Maryam Babaki (mbabaki@ci.commerce.ca.us)'	
Salzano, Tom	Delivered: 8/24/2015 3:20 PM
Bolzowski, Michael R.	Delivered: 8/24/2015 3:20 PM
Keck, Jonathan	Delivered: 8/24/2015 3:20 PM
Armendariz Jr., Daniel	Delivered: 8/24/2015 3:20 PM

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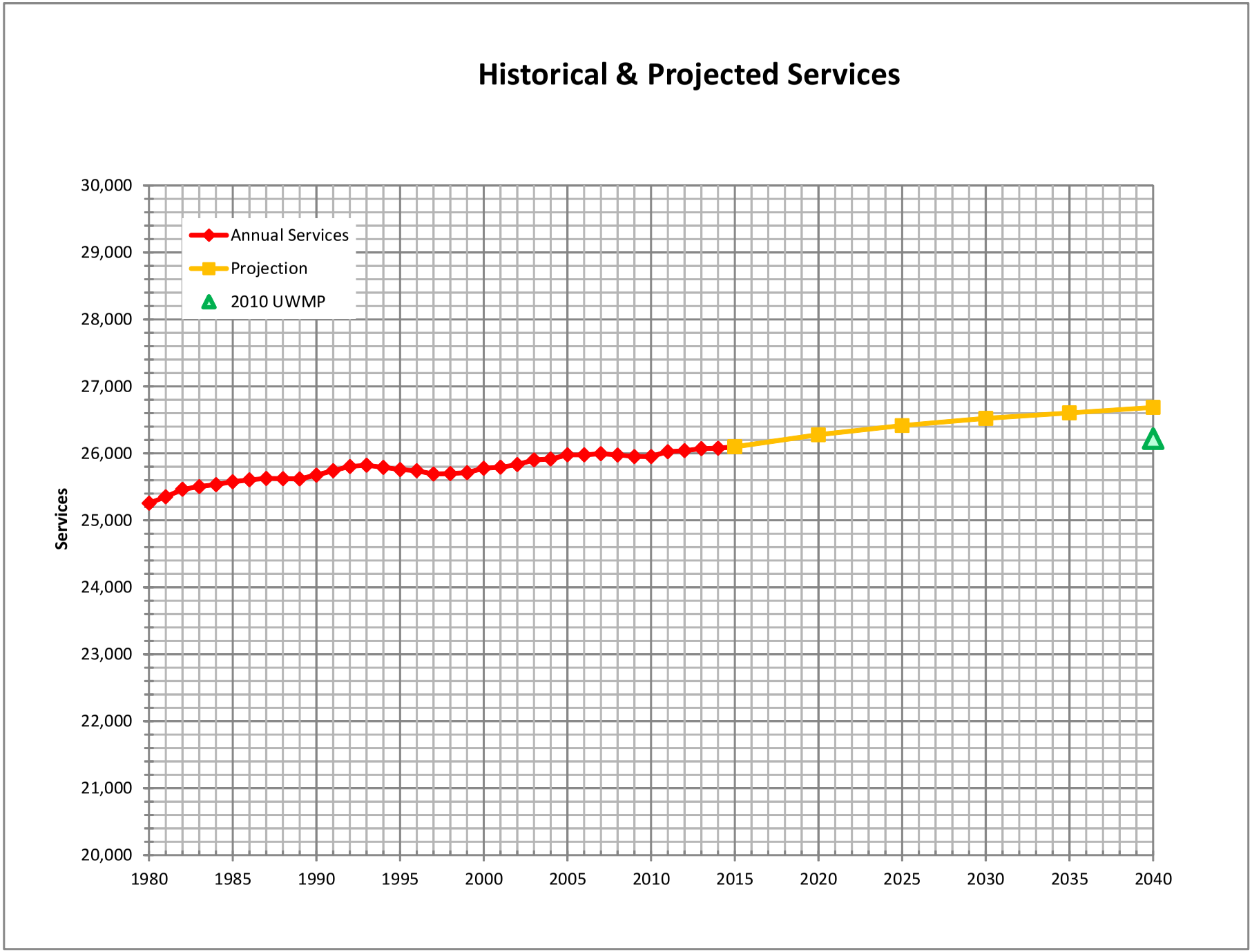
Thank you for your assistance in this effort.

Respectfully,

Thomas A. Salzano

Thomas A. Salzano
Water Resource Planning Supervisor

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


Historical & Projected Services
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Projection
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California Water Service Company - East Los Angeles District

Worksheet 8

Water Supply and Demand Analysis and Projections

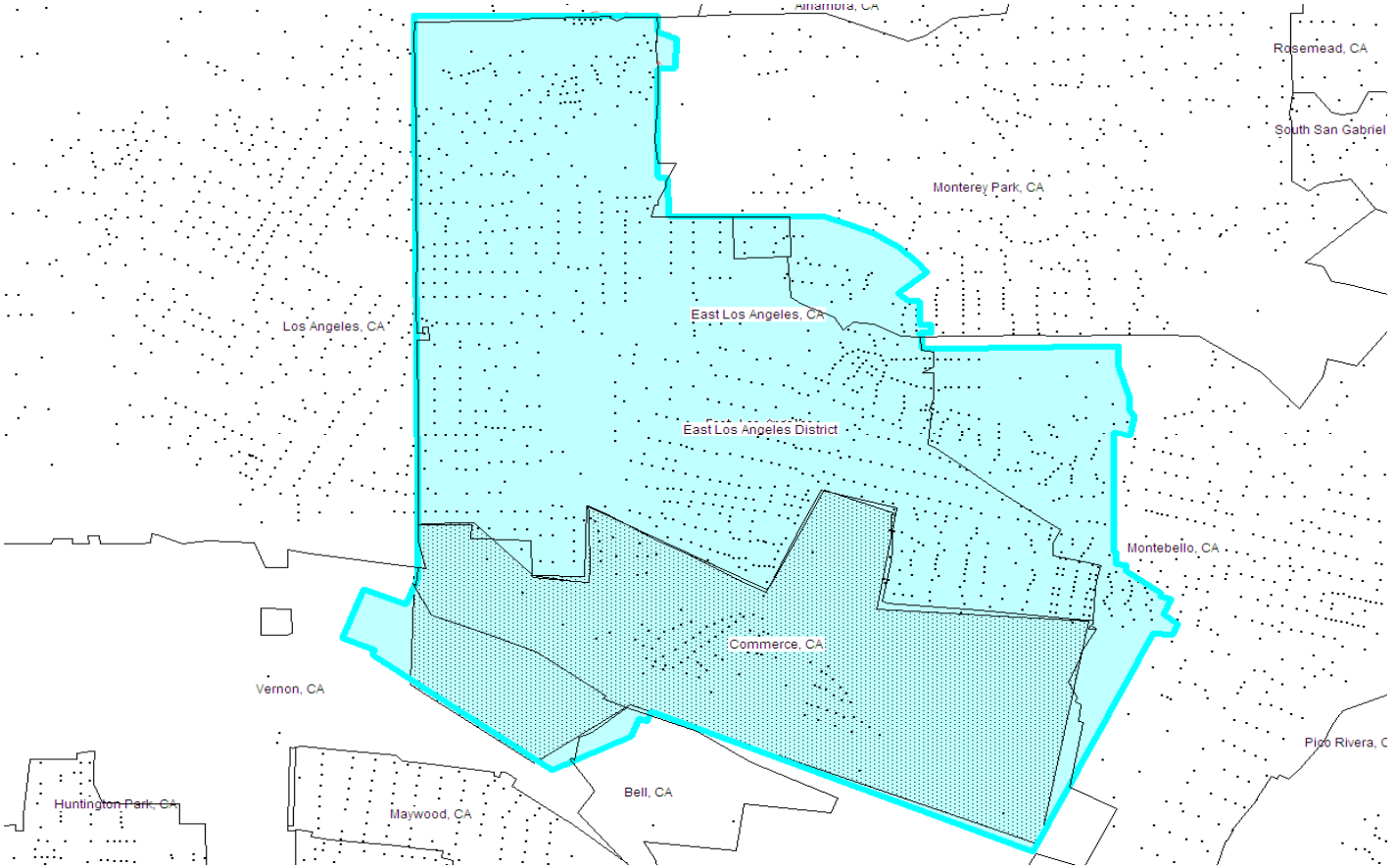
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OTH		OTH_D	15 Yr. Avg.	0.52%	14	20	14	14	14	15	15	16	16	16
TOTAL		Average growth rate 2012-2040		0.09%	25,778	25,978	25,952	26,098	26,098	26,278	26,415	26,523	26,604	26,686

California Water Service Company - East Los Angeles District

Worksheet 12

Water Supply and Demand Analysis and Projections

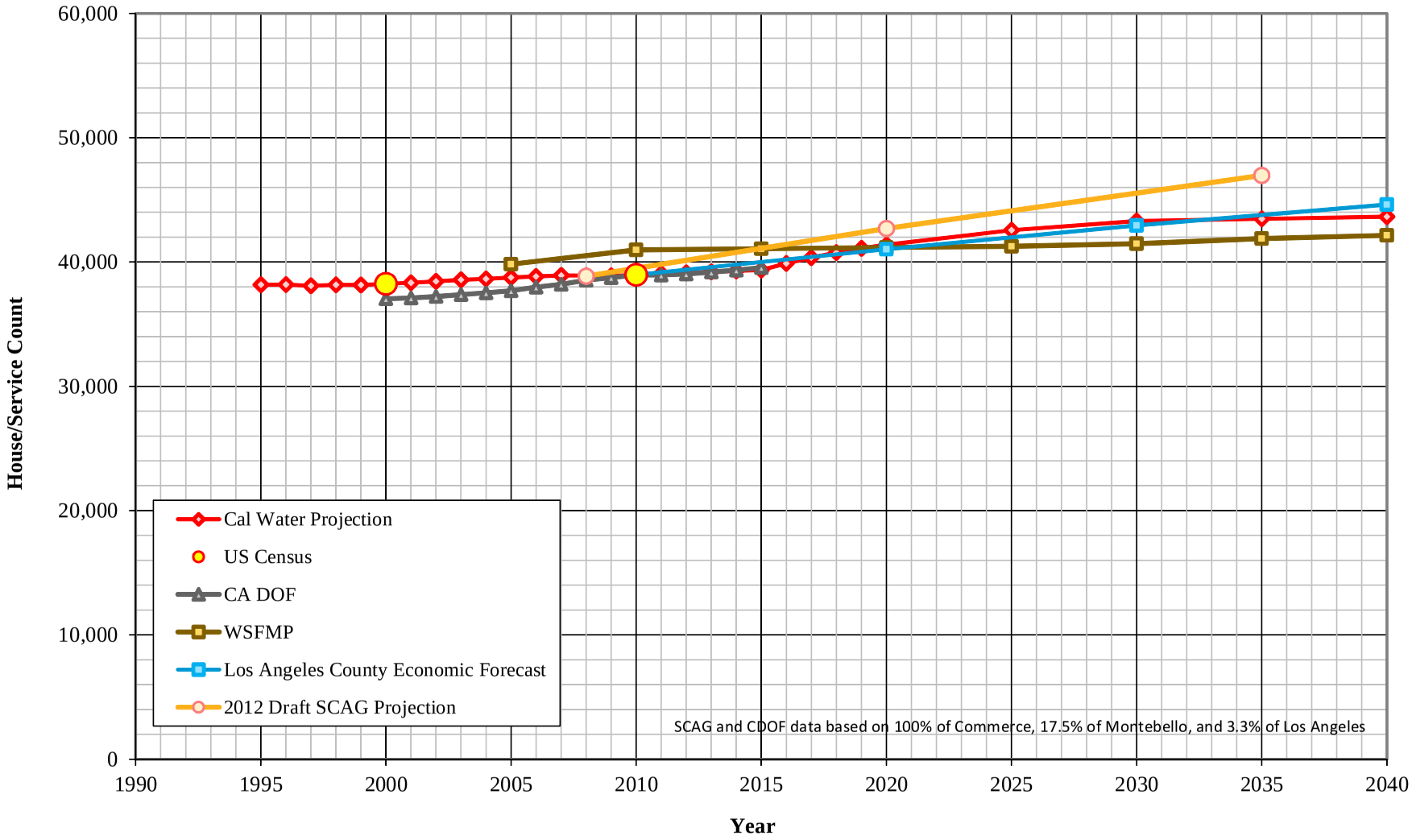
MarPlot Summary



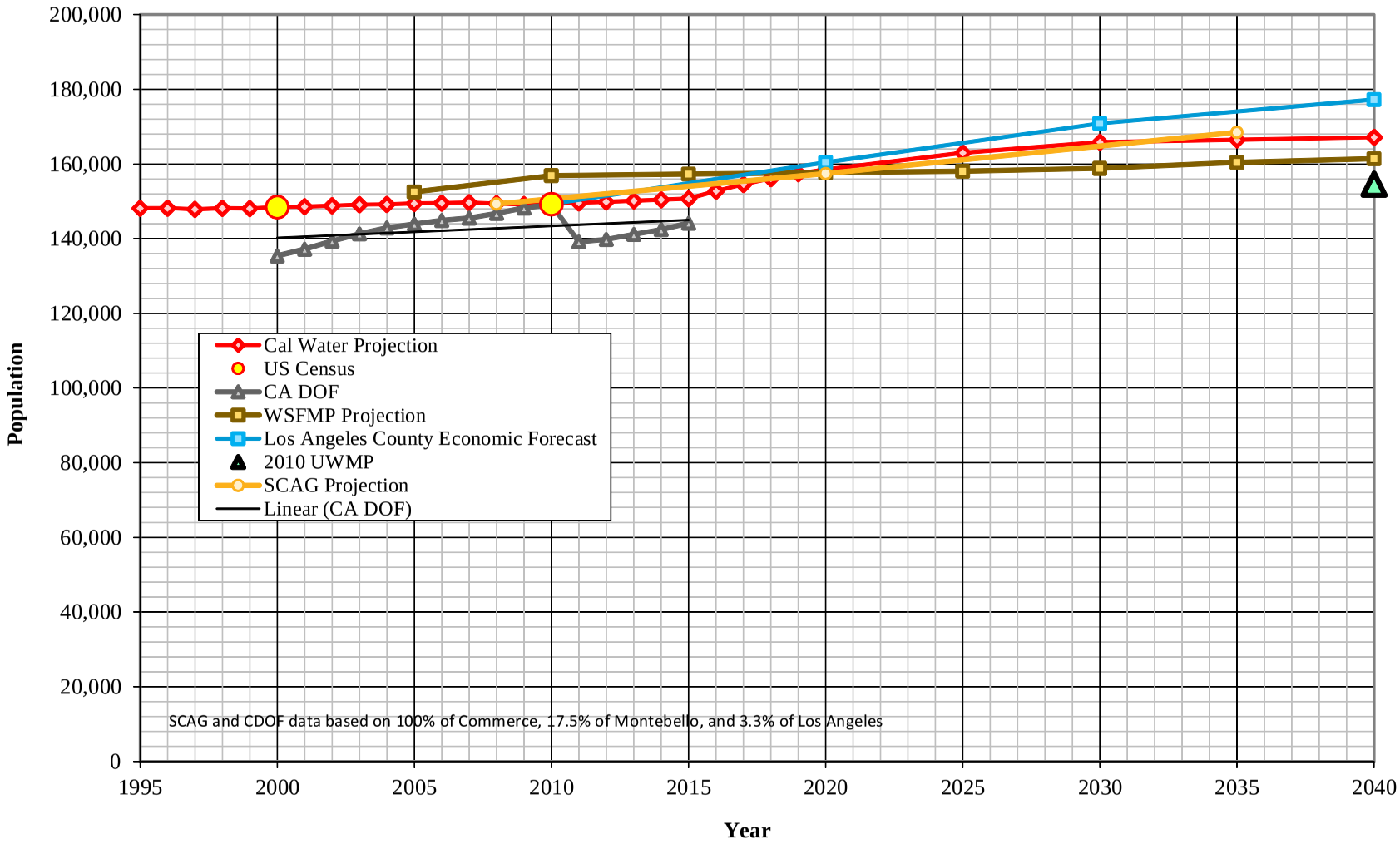
	US Census 2000 Summary				US Census 2010 Summary				2000-2010 Change		
System	Census Tract Blocks	Population	Housing Units (HU)	Density	Census Tract Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
East Los Angeles	950	148,480	38,246	3.88	1,156	149,283	38,973	3.83	100.5%	101.9%	98.7%
	950	148,480	38,246	3.88	1,156	149,283	38,973	3.83	100.5%	101.9%	98.7%

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 centoid, 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 thought part of the block is within the selected objects.

Housing Projections



Population Projections



California Water Service Company - East Los Angeles District

Worksheet 12

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
	Population	Housing Units		Services (DU)	Services	Residential Units (DU)	Unit Density	Services (DU)
2000	148,480	38,246	3.882	20,197	136	18,049	132.7	0
2010	149,283	38,973	3.830	20,257	135	18,716	138.8	0
	0.5%	1.9%	-1.3%	0.3%	-0.9%	3.7%	4.6%	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)	Unit Density					
	1995	20,140	136	18,026	132.7	0	38,167	3.882	148,173	
	1996	20,141	136	18,038	132.7	0	38,178	3.882	148,218	
	1997	20,109	136	17,982	132.7	0	38,091	3.882	147,879	
	1998	20,114	136	18,049	132.7	0	38,163	3.882	148,157	
	1999	20,124	136	18,026	132.7	0	38,150	3.882	148,108	
	2000	20,197	136	18,049	132.7	0	38,246	3.882	148,480	
	2001	20,215	136	18,115	133.3	0	38,330	3.877	148,608	
	2002	20,263	136	18,182	133.7	0	38,445	3.872	148,854	
	2003	20,318	136	18,249	134.2	0	38,567	3.867	149,125	
	2004	20,322	136	18,316	134.9	0	38,638	3.862	149,200	
	2005	20,371	136	18,382	135.2	0	38,754	3.856	149,446	
	2006	20,383	136	18,449	135.7	0	38,832	3.851	149,549	
	2007	20,402	135	18,516	137.1	0	38,918	3.846	149,677	
	2008	20,324	136	18,583	137.1	0	38,907	3.841	149,433	
	2009	20,242	135	18,649	138.1	0	38,892	3.836	149,173	
	2010	20,257	135	18,716	138.8	0	38,973	3.830	149,283	
	2011	20,283	423	18,783	44.4	0	39,066	3.830	149,640	
	2012	20,280	521	18,850	36.2	0	39,129	3.830	149,882	
^	2013	20,287	596	18,917	31.7	0	39,204	3.830	150,167	^
|	2014	20,293	654	18,983	29.0	0	39,277	3.830	150,446	|
ACTUAL	2015	20,306	715	19,050	26.6	0	39,356	3.830	150,751	ACTUAL
PROJECTED	2016	20,316	740	19,568	26.4	0	39,884	3.830	152,773	PROJECTED
|	2017	20,326	763	20,024	26.2	0	40,349	3.830	154,555	|
V	2018	20,335	784	20,418	26.0	0	40,753	3.830	156,103	V
	2019	20,345	803	20,752	25.8	0	41,097	3.830	157,420	
	2020	20,355	820	21,028	25.6	0	41,383	3.830	158,512	
	2025	20,404	881	22,151	25.1	0	42,555	3.830	163,004	
	2030	20,453	912	22,840	25.0	0	43,292	3.830	165,828	
	2035	20,502	917	22,965	25.0	0	43,467	3.830	166,499	
	2040	20,551	922	23,092	25.0	0	43,643	3.830	167,172	

Notes: Linear extrapolation used to estimated MFR-DU from 2000 until 2015 due to reclassification. Declining MFR Unit Density is used until 2025.

Los Angeles County
Department of Regional Planning

Planning for the Challenges Ahead

Richard J. Bruckner
Director

September 16, 2015

Mr. Thomas A. Salzano
Water Resource Planning Supervisor
California Water Service Company
tsalzano@calwater.com

Dear Mr. Salzano:

GROWTH FORECAST – 2015 URBAN WATER MANAGEMENT PLAN
CALIFORNIA WATER SERVICE COMPANY, ANTELOPE VALLEY DISTRICT

Thank you for the opportunity to comment on the growth forecast for the 2015 update of the Urban Water Management Plan (UWMP) for California Water Service Company's Antelope Valley District. Our preliminary comments are as follows:

- *In reference to Attachment E:* According to the United States Census figures for the Antelope Valley District, for the ten-year period between 2000 and 2010, population increased 7.2% to 3,329, and housing units increased 19.5% to 1,614. If these annual growth rates were to remain constant, by the year 2040, the district would have a population of 4,101 and 2,754 housing units. However, Cal Water is forecasting a population of 3,852 and 1,868 housing units. Compared to Cal Water's forecast, the "constant growth" numbers are 6.5% higher for population and 47.4% higher for housing units.

  In addition, in the last update of the UWMP (2010) for this district, Cal Water's projected 2040 population was 4,106. The 2010 UWMP also references 2040 population projections from The Southern California Association of Governments (SCAG) and The Greater Antelope Valley Economic Alliance (GAVEA), which are approximately 5,000 and 6,000, respectively (Figure 2.2-3).

  Therefore, more discussion is needed to explain why Cal Water believes the 2010-2040 growth rates will be lower than the 2000-2010 historical trend; than Cal Water's 2010 UWMP forecast; and than forecasts from SCAG and GAVEA.

- If possible, please provide the Department of Regional Planning with a GIS shape file showing the extents of Cal Water's Antelope Valley district. Our staff could then conduct a more thorough analysis of potential buildout within the district under the recently adopted Antelope Valley Area Plan. This Plan changed land use and zoning designations in much of the Antelope Valley, but because it has only been in effect since June 2015, other agencies' population and housing projections may not fully account for these changes.

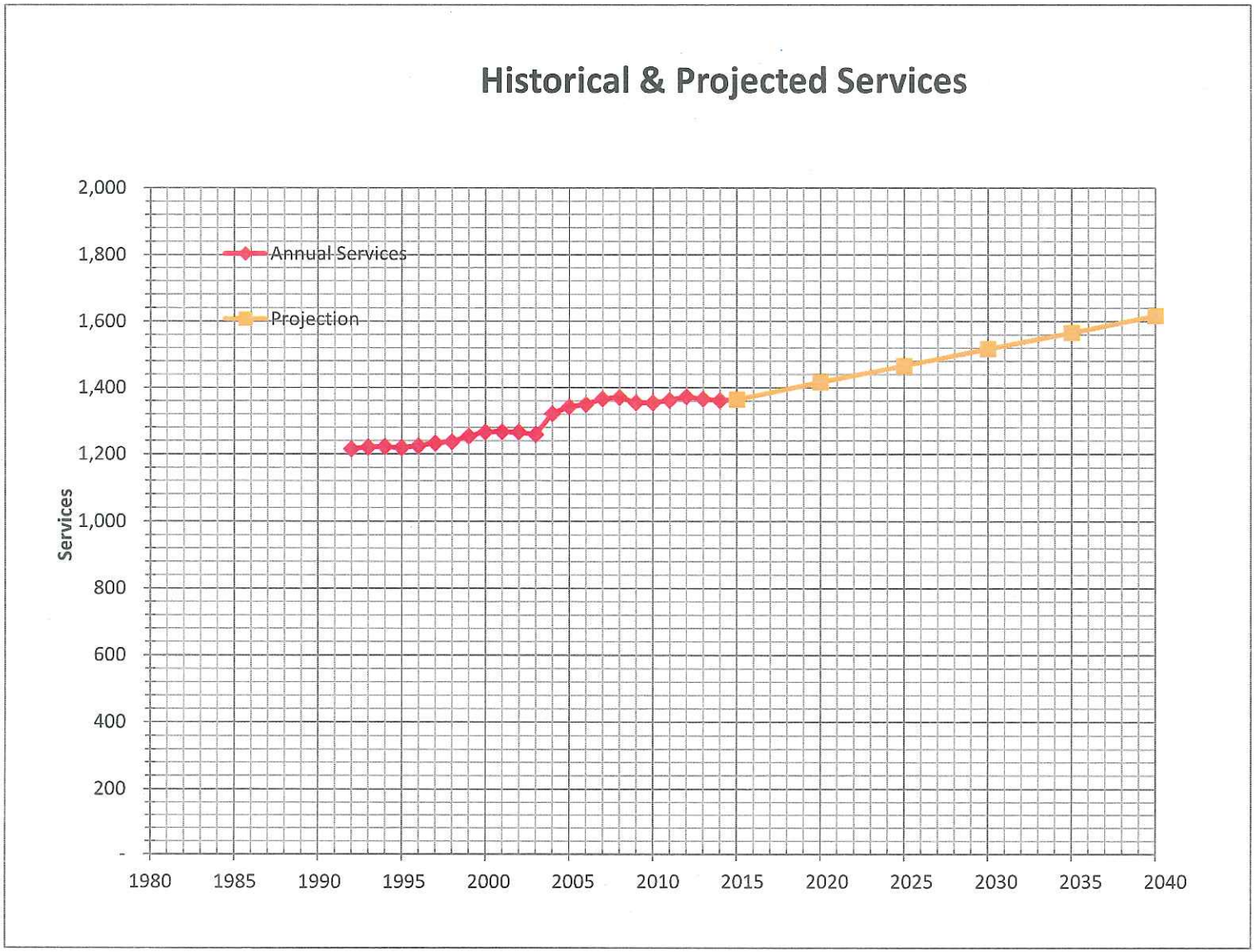
Should you have any follow-up questions, please contact Max Thelander at mthelander@planning.lacounty.gov or (213) 974-6476. Our office hours are Monday through Thursday, 7:00 a.m. to 6:00 p.m.

Sincerely,

Richard J. Bruckner
Director

RJB:MC:ST:mt:ems

S_AP_091615_L_CA_WATER_SERV_CO_SALZANO


Historical & Projected Services
Annual Services
Projection
Services
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
-
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040

California Water Service Company - Antelope Valley District

Consolidated

Worksheet 8

Water Supply and Demand Analysis and Projections

Actual & Projected Annual Average Services

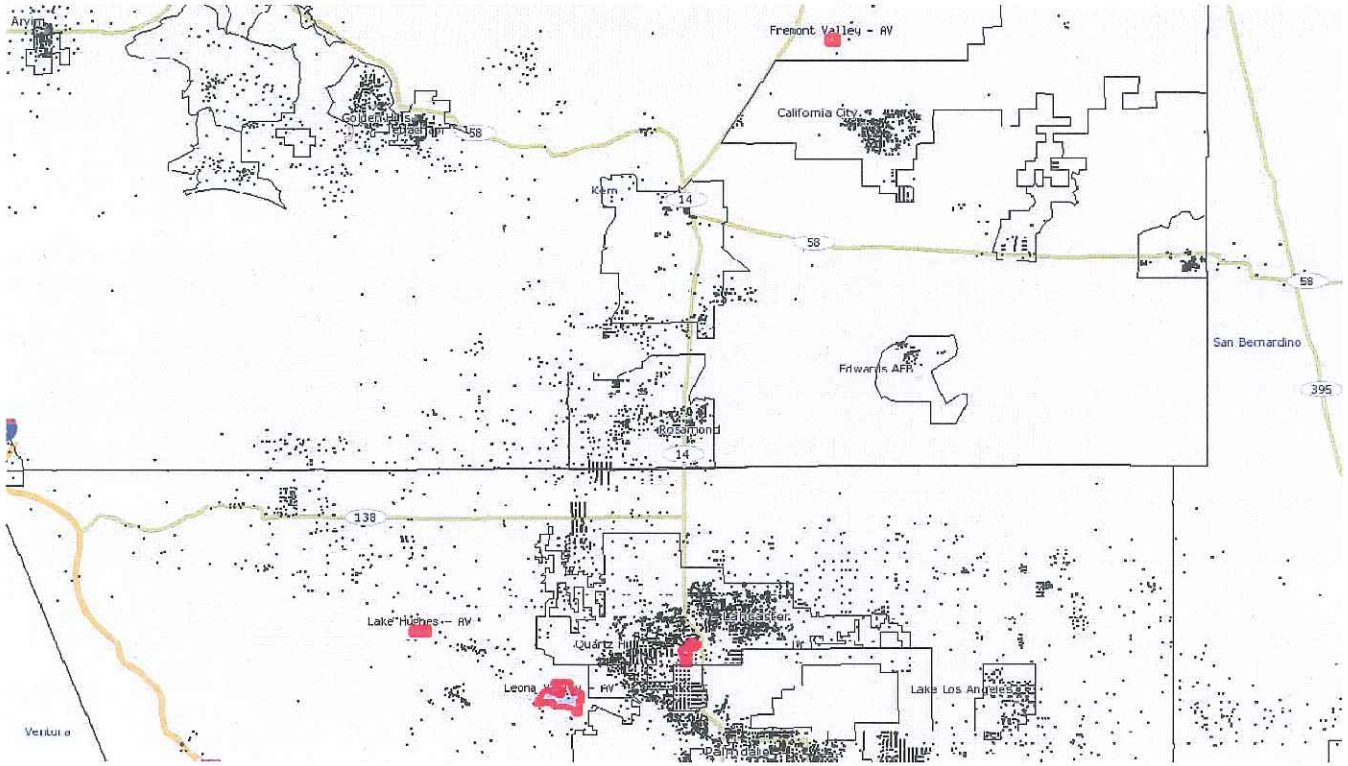
Customer Category		Selected Trend		Growth Rate	Actual Services				Projected Services					
					2000	2005	2010	Base Year 2015	2015	2020	2025	2030	2035	2040
SFR				0.64%	1,212	1,287	1,298	1,309	1,309	1,354	1,399	1,444	1,489	1,534
MFR				0.00%	10	7	5	5	5	5	5	5	5	5
COM				1.88%	33	36	37	36	36	41	44	49	52	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

Worksheet 12

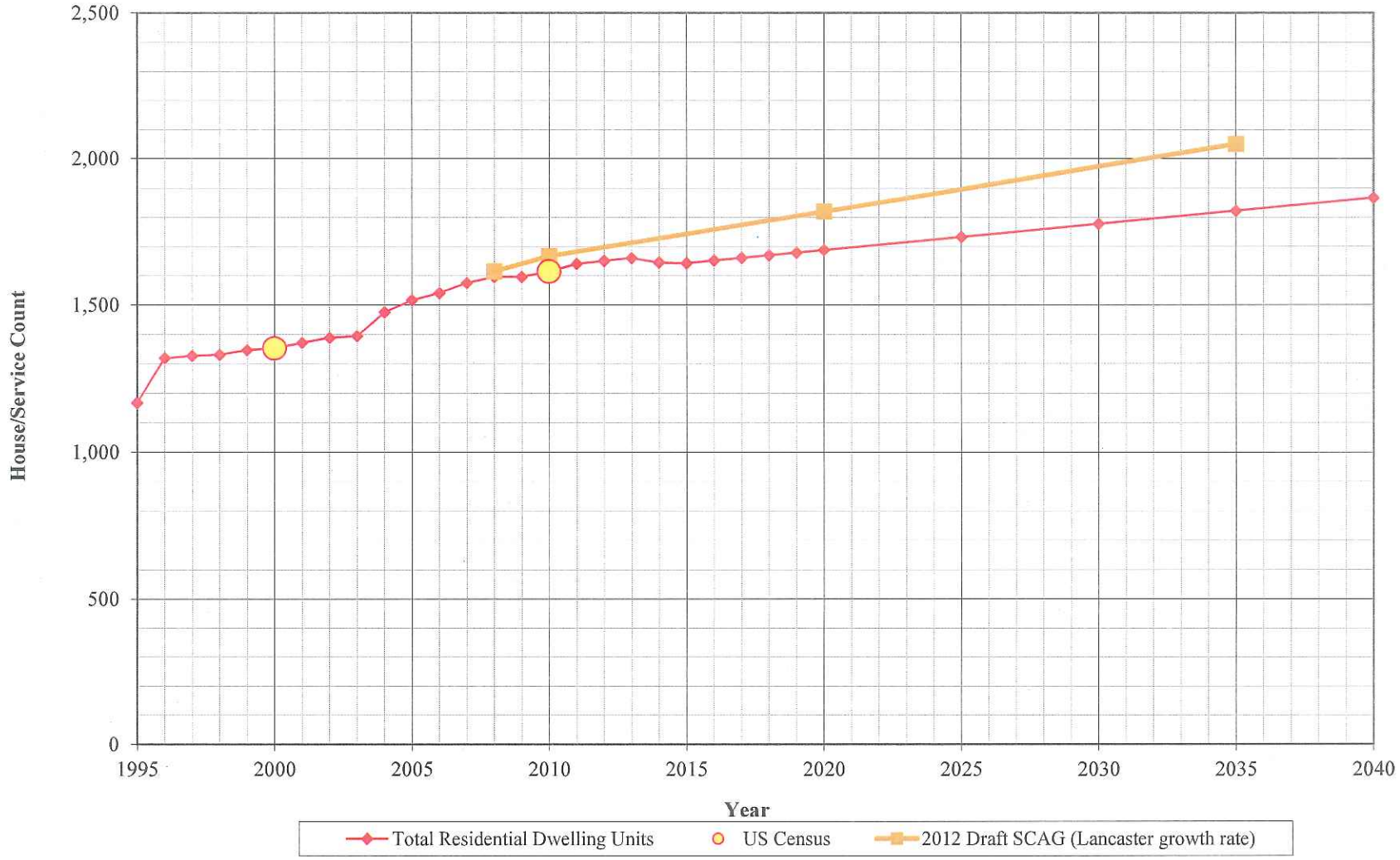
Water Supply and Demand Analysis and Projections

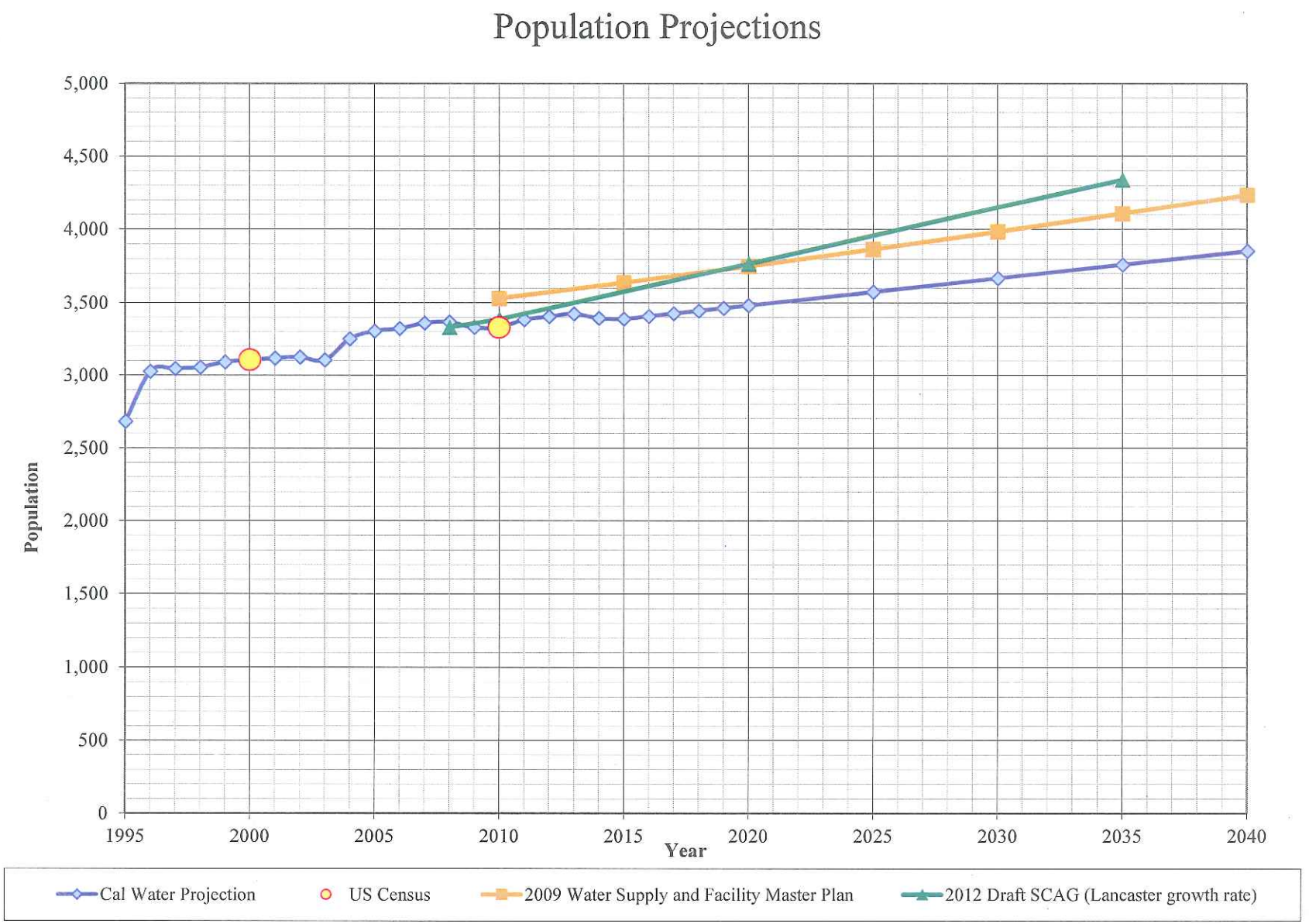


	US Census 2000 Summary				US Census 2010 Summary				2000-2010 Change		
System	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Lake Hughes	18	159	113	1.41	14	258	178	1.45	62.3%	57.5%	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 centoid, 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 thought part of the block is within the selected objects.

Housing Projections




Population Projections
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
Population
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
Year
Cal Water Projection
US Census
2009 Water Supply and Facility Master Plan
2012 Draft SCAG (Lancaster growth rate)

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
	Population	Housing Units		Services (DU)	Services	Residential Units (DU)	Unit Density	Services (DU)
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%	-46.6%	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	
			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	|
ACTUAL	2015	1,309	5	334	66.8	0	1,643	2.063	3,388	ACTUAL
PROJECTED	2016	1,318	5	334	66.8		1,652	2.063	3,407	PROJECTED
|	2017	1,327	5	334	66.8		1,661	2.063	3,425	|
V	2018	1,336	5	334	66.8		1,670	2.063	3,444	V
	2019	1,345	5	334	66.8		1,679	2.063	3,462	
	2020	1,354	5	334	66.8		1,688	2.063	3,481	
	2025	1,399	5	334	66.8		1,733	2.063	3,574	
	2030	1,444	5	334	66.8		1,778	2.063	3,667	
	2035	1,489	5	334	66.8		1,823	2.063	3,759	
	2040	1,534	5	334	66.8		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.

Blanusa, Danilo

From: Salzano, Tom
Sent: Thursday, September 17, 2015 9:19 AM
To: Soyeon Choi
Cc: Blanusa, Danilo; Bolzowski, Michael R.
Subject: RE: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - East Los Angeles District

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Blue Category

Soyeon,
Thank you for reviewing and providing comment on the growth forecast for Cal Water's 2015 update of the East Los Angeles District's Urban Water Management Plan (UWMP).

With regard to your request for confirmation of the date of the SCAG data used as a comparative forecast, our worksheet files indicate that we used the 2012 SCAG Projection which was the latest we were able to find.

Again, I appreciate the time and effort you put into reviewing this information for us.

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: Soyeon Choi [mailto:schoi@planning.lacounty.gov]
Sent: Tuesday, September 15, 2015 2:57 PM
To: Salzano, Tom
Subject: FW: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - East Los Angeles District

Hello,

We reviewed your growth forecast for East Los Angeles District and generally concur with draft, based on the notes in Attachment E and phone conversation with your staff.

- I understand that some of Multi-family Residential units were reclassified and is expected to increase in the near future. This is aligned with our East Los Angeles Transit Oriented District Specific Plan, which encourages mixed use and higher density residential around the transit stations.
- Yet, 1% growth rate for MFR seems reasonable at this point as the TOD was recently adopted and we are at a very early stage to witness the impact of the plan.
- In overall, the growth projections are very close to SCAG's, which we have been coordinating with. I would appreciate if you could confirm the approximate date of data release from SCAG for our record.

I apologize for a delayed response, and thank you for coordinating the effort.

Sincerely,

SOYEON CHOI | Planner
General Plan Development / Housing Section
Los Angeles County Department of Regional Planning
320 W. Temple Street, 13th Floor | Los Angeles, CA 90012
Phone 213.974.6417 | Fax 213.626.0434 | TDD 213.617.2292
http://planning.lacounty.gov | http://planning.lacounty.gov/generalplan

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From: Blanusa, Danilo [mailto:dblanusa@calwater.com]
Sent: Thursday, August 20, 2015 2:35 PM
To: Richard Bruckner
Cc: Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Armendariz Jr., Daniel
Subject: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - East Los Angeles 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 East Los Angeles 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 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.

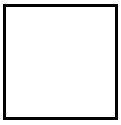
Respectfully,

Thomas A. Salzano

Thomas A. Salzano
Water Resource Planning Supervisor

Danilo Blanusa, P.E.
Senior Engineer

CALIFORNIA WATER SERVICE
408-367-8387



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calwater.com

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Appendix C: Correspondences

- UWMP Public Draft Comments

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