

## **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 Oroville 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](http://www.calwater.com/conservation/uwmp). A hard copy of the draft UWMP will also be available at our Oroville Customer Center located at 1905 High Street, Oroville, CA 95965.

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](mailto:Planninginfo@calwater.com).

Sincerely,

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

Scott Wagner  
Director of Capital Planning & Water Resources

Supervisor Connelly  
Supervisor  
Butte County  
1905 High Street  
Oroville, CA 95965  
BConnelly@ButteCounty.net

Council Member Berry  
Council Member  
City of Oroville  
1905 High Street  
Oroville, CA 95965  
berryj@cityoforoville.org

Council Member Hatley  
Council Member  
City of Oroville  
1905 High Street  
Oroville, CA 95965  
hatleya@cityoforoville.org

Council Member Simpson  
Council Member  
City of Oroville  
1905 High Street  
Oroville, CA 95965  
simpsona@cityoforoville.org

Mayor Dahlmeier  
Mayor  
City of Oroville  
1905 High Street  
Oroville, CA 95965  
dahlmeierll@cityoforoville.org

Doug Coon  
Branch Supervisor  
Pacific Gas and Electric  
1905 High Street  
Oroville, CA 95965

Vicki Newlin  
Assistant Director  
Butte County Department of Water and  
Resource Conservation  
1905 High Street  
Oroville, CA 95965  
VNewlin@buttecounty.net

Council Member Del Rosario  
Council Member  
City of Oroville  
1905 High Street  
Oroville, CA 95965  
delrosariom@cityoforoville.org

Council Member Pittman  
Council Member  
City of Oroville  
1905 High Street  
Oroville, CA 95965  
pittmandw@cityoforoville.org

Rick Walls  
Department of Public Works, Senior Engineer  
City of Oroville  
1905 High Street  
Oroville, CA 95965  
wallsr@cityoforoville.org

Vice Mayor Chan-Wilcox  
Vice Mayor  
City of Oroville  
1905 High Street  
Oroville, CA 95965  
chanwilcoxy@cityoforoville.org

## **Appendix C: Correspondences**

- Growth Projection Letter to Cities and Counties

## Blanusa, Danilo

---

**From:** Blanusa, Danilo  
**Sent:** Thursday, August 20, 2015 2:17 PM  
**To:** 'Rick Walls (wallsr@cityoforoville.org)'  
**Cc:** Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Ruggle, Toni  
**Subject:** Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Oroville District  
**Attachments:** Letter to City Planning Officials - Attachmet - ORO.pdf

Tracking:	Recipient	Delivery
	'Rick Walls (wallsr@cityoforoville.org)'	
	Salzano, Tom	Delivered: 8/20/2015 2:17 PM
	Bolzowski, Michael R.	Delivered: 8/20/2015 2:17 PM
	Keck, Jonathan	Delivered: 8/20/2015 2:17 PM
	Ruggle, Toni	Delivered: 8/20/2015 2:17 PM

Dear Mr. Walls,

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 Oroville District provides water service to the City of Oroville.

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](mailto: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

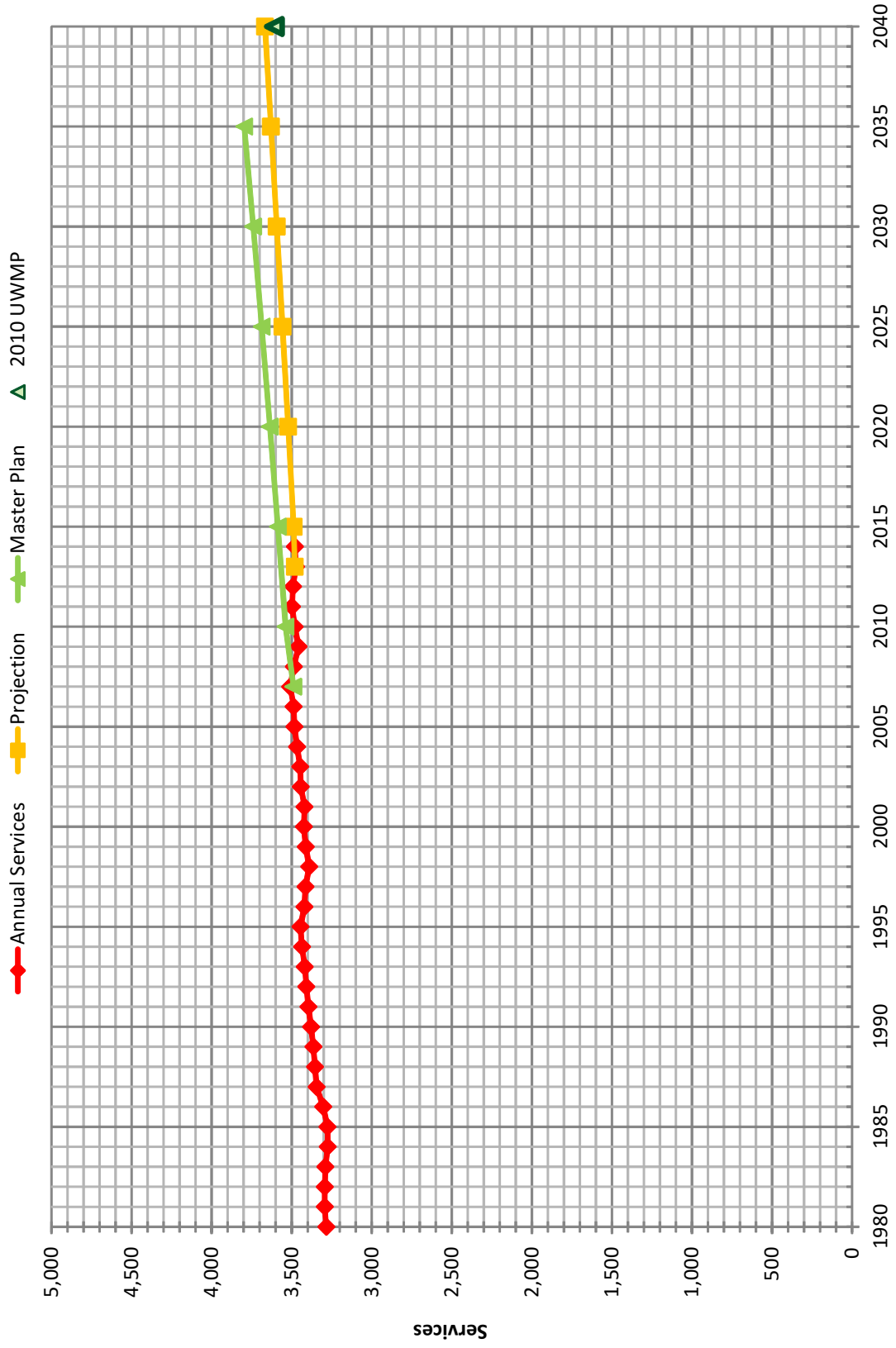


**Quality. Service. Value.**

[calwater.com](http://calwater.com)



# Historical & Projected Services

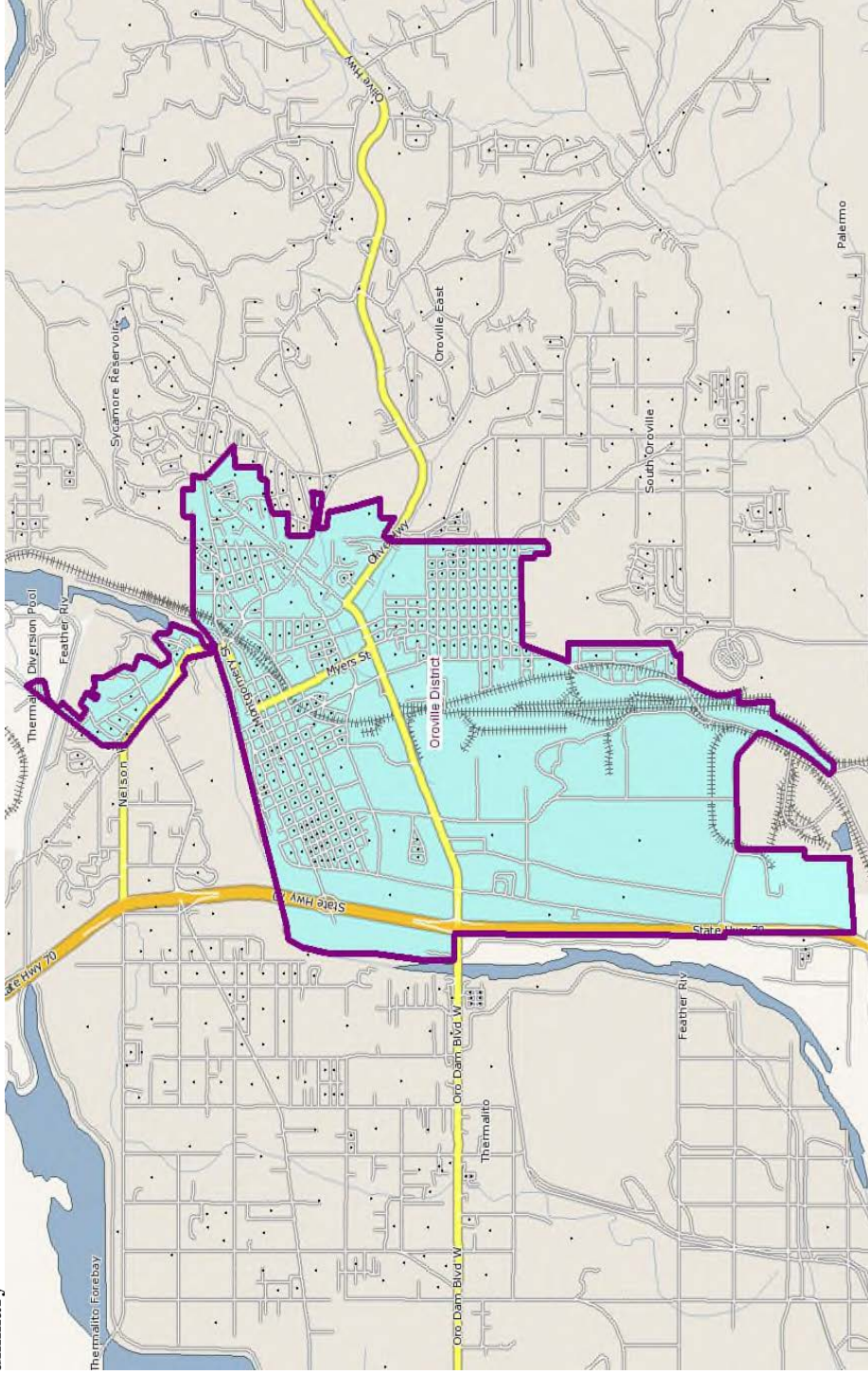


**California Water Service Company - Oroville Districts**  
**Water Supply and Demand Analysis and Projections**

Customer Category	Selected Trend	Growth Rate	Actual Services				Projected Services						
			2000	2005	2010	Base Year 2013	2015	2020	2025	2030	2035	2040	
SFR	SFR_E 20 Yr. Avg.	0.14%	2,588	2,635	2,605	2,643	2,647	2,664	2,683	2,701	2,719	2,737	
MFR	MFR_C 10 Yr. Avg.	0.99%	14	14	15	67	67	71	74	78	82	86	
COM	COM_E Modified Rate	0.40%	690	694	721	661	664	677	691	705	719	733	
IND	IND_E 20 Yr. Avg.	0.00%	15	16	16	17	17	17	17	17	17	17	
GOV	GOV_A Zero Growth Rate	0.00%	116	120	119	86	86	86	86	86	86	86	
OTH	OTH_A Zero Growth Rate	0.00%	0	4	7	7	7	7	7	7	7	7	
<b>TOTAL</b>	Average growth rate 2014-2040	0.20%	3,424	3,483	3,482	3,481	3,487	3,522	3,557	3,593	3,630	3,667	

Notes:

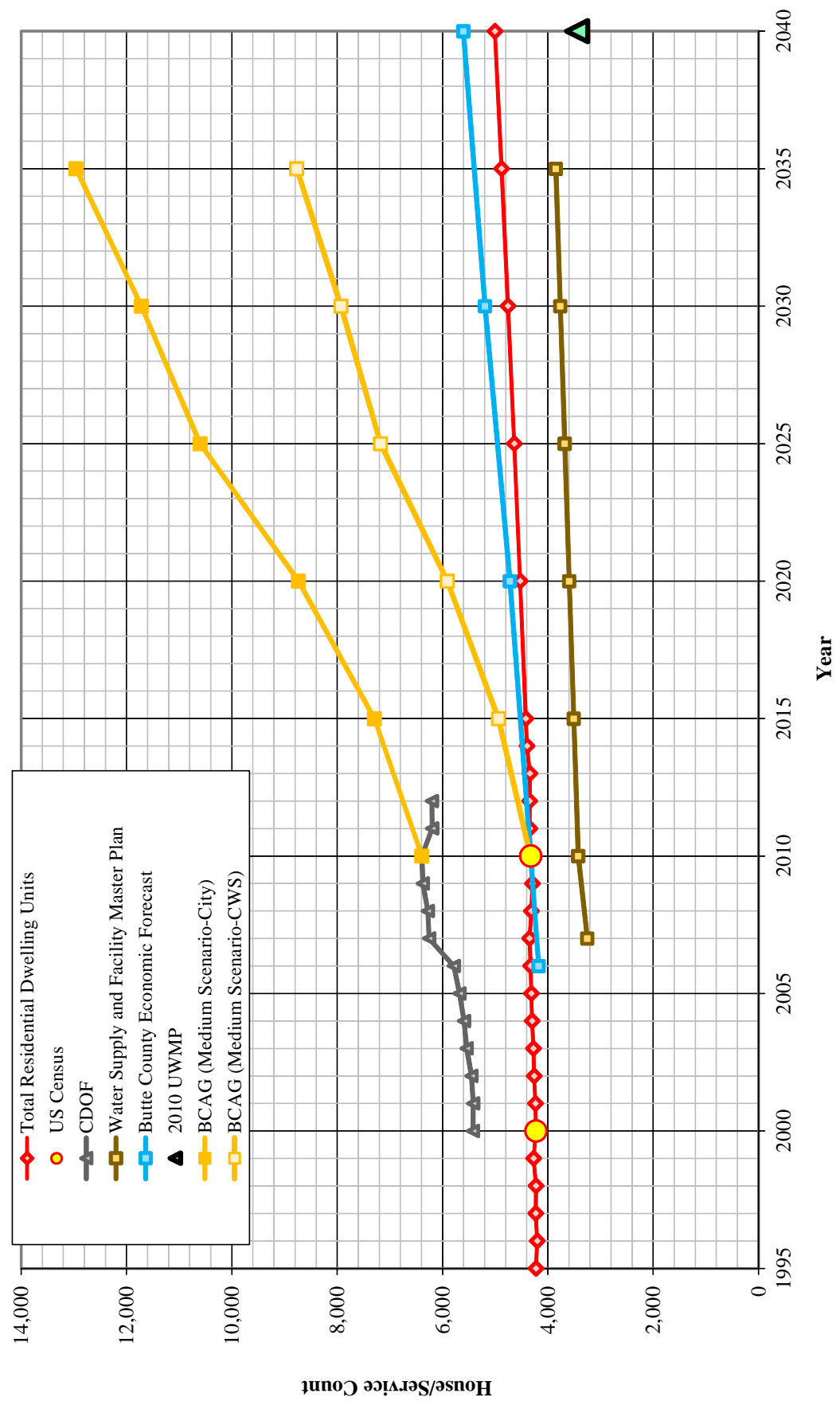
**California Water Service Company - Oroville Districts**  
**Water Supply and Demand Analysis and Projections**  
**MarPlot Summary**



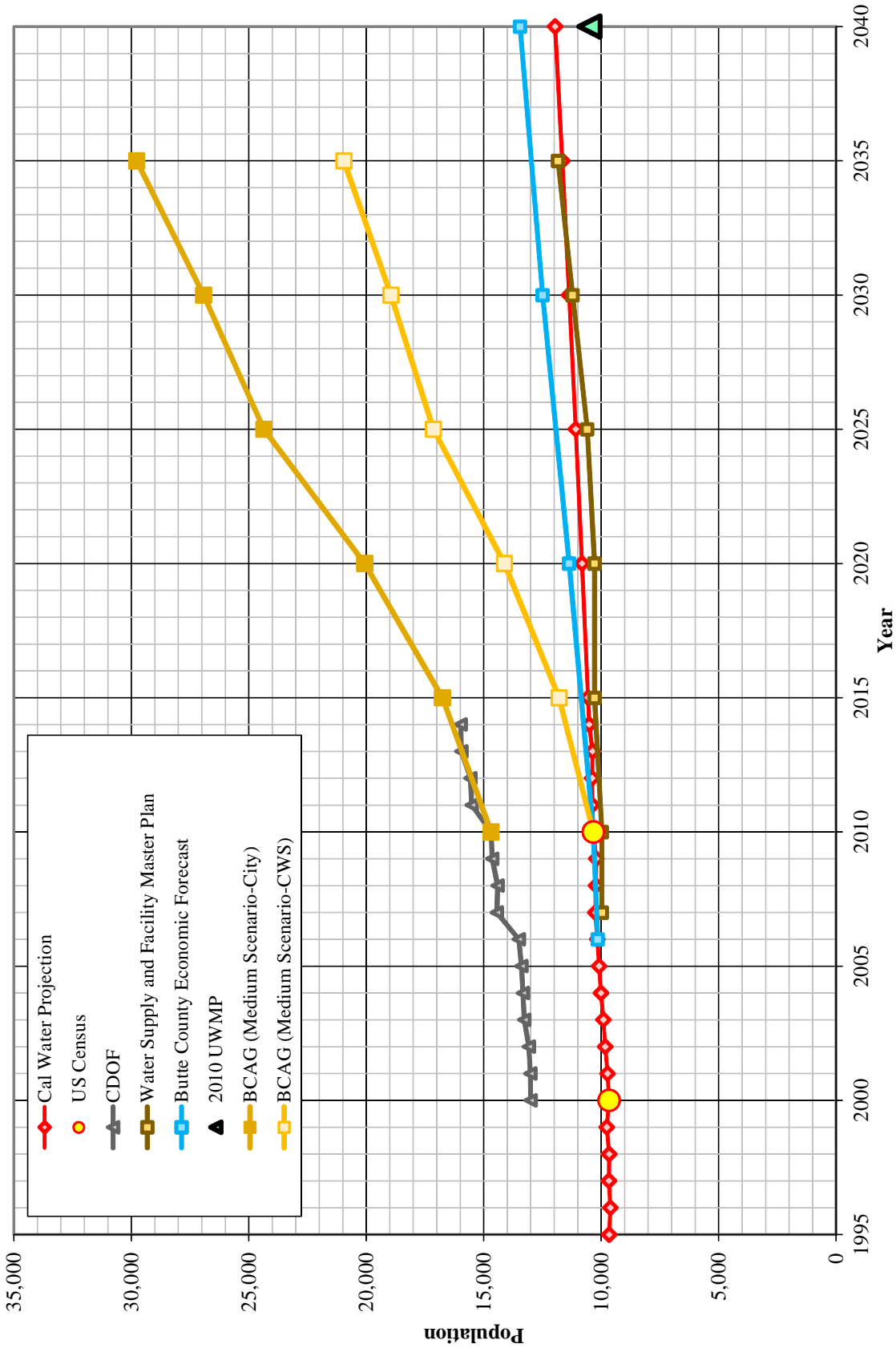
System	US Census 2000 Summary			US Census 2010 Summary			2000-2010 Change				
	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Oroville	218	9,663	4,227	2.29	250	10,337	4,326	2.39	107.0%	102.3%	104.5%
Oroville	218	9,663	4,227	2.29	250	10,337	4,326	2.39	107.0%	102.3%	104.5%

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 - Oroville Districts 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)	Unit Density	Residential Units (DU)	Unit Density	
2000	9,663	4,227	2.286	2,180	14	1,639	117.8	408
2010	10,337	4,326	2.390	2,405	15	1,722	116.7	199
	7.0%	2.3%	4.5%	10.3%	6.0%	5.0%	-0.9%	-51.2%

Year	Single Family Residential Services (DU)		Multi Family Residential Units (DU)		Flat Rate Residential Services (DU)	Total Residential Dwelling Units	Persons per Housing Unit	Estimated District Population
	Single Family Residential Services (DU)	Unit Density	Services	Residential Units (DU)				
1995	1,982	117.8	14	1,649	594	4,225	2.286	9,658
1996	2,010	117.8	14	1,649	546	4,204	2.286	9,611
1997	2,070	117.8	14	1,649	510	4,229	2.286	9,668
1998	2,097	117.8	14	1,649	479	4,224	2.286	9,657
1999	2,153	117.8	14	1,678	439	4,270	2.286	9,761
2000	2,180	117.8	14	1,639	408	4,227	2.286	9,663
2001	2,200	119.1	14	1,647	389	4,236	2.296	9,728
2002	2,224	118.2	14	1,655	382	4,261	2.307	9,829
2003	2,238	118.8	14	1,664	373	4,274	2.317	9,904
2004	2,275	120.1	14	1,672	354	4,301	2.327	10,009
2005	2,302	120.0	14	1,680	333	4,315	2.338	10,088
2006	2,319	120.6	14	1,688	320	4,327	2.348	10,159
2007	2,342	121.2	14	1,697	307	4,346	2.358	10,249
2008	2,344	121.8	14	1,705	265	4,315	2.369	10,220
2009	2,358	122.4	14	1,713	222	4,293	2.379	10,213
2010	2,405	116.7	15	1,722	199	4,326	2.390	10,337
2011	2,471	39.2	44	1,730	144	4,344	2.390	10,380
2012	2,521	35.8	49	1,738	86	4,345	2.390	10,383
2013	2,594	30.1	58	1,746	0	4,340	2.390	10,370
2014	2,643	26.3	67	1,755	0	4,398	2.390	10,508
2015	2,647	26.3	67	1,772	0	4,419	2.390	10,558
2020	2,664	26.3	71	1,862	0	4,526	2.390	10,816
2025	2,683	26.3	74	1,956	0	4,639	2.390	11,084
2030	2,701	26.3	78	2,055	0	4,756	2.390	11,364
2035	2,719	26.3	82	2,159	0	4,878	2.390	11,657
2040	2,737	26.3	86	2,269	0	5,006	2.390	11,962

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.

## **Appendix C: Correspondences**

- UWMP Public Draft Comments

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