# **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 Westlake 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 Westlake Customer Center located at 2524 Townsgate Road, Suite A, Westlake Village, CA 91361.

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,

- hoghen

Scott Wagner Director of Capital Planning & Water Resources

Cy Johnson Development Programs Administrator Calleguas Municipal Water District 2524 Townsgate Road, Suite A Westlake Village, CA 91361 cjohnson@calleguas.com

Council Member Fox Council Member City of Thousand Oaks 2524 Townsgate Road, Suite A Westlake Village, CA 91361 cnclmanfox@aol.com

Mayor Price Mayor City of Thousand Oaks 2524 Townsgate Road, Suite A Westlake Village, CA 91361 jprice@toaks.org

Jay T. Spurgin Public Works Director City of Thousand Oaks 2524 Townsgate Road, Suite A Westlake Village, CA 91361 jspurgin@toaks.org

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Supervisor Long Supervisor Ventura County 2524 Townsgate Road, Suite A Westlake Village, CA 91361 kathy.long@ventura.org

Supervisor Zaragoza Supervisor Ventura County 2524 Townsgate Road, Suite A Westlake Village, CA 91361 john.zaragoza@ventura.org Council Member Adam Council Member City of Thousand Oaks 2524 Townsgate Road, Suite A Westlake Village, CA 91361 albertcadam@gmail.com

Council Member McCoy Council Member City of Thousand Oaks 2524 Townsgate Road, Suite A Westlake Village, CA 91361 rmccoy@toaks.org

Mayor Pro Tem Bill-de la Pena Mayor Pro Tem City of Thousand Oaks 2524 Townsgate Road, Suite A Westlake Village, CA 91361 claudia4slowgrowth@roadrunner.com

Kim Prillhart Planning Director County of Ventura, Planning Division 2524 Townsgate Road, Suite A Westlake Village, CA 91361 Kim.Prillhart@ventura.org

Supervisor Foy Supervisor Ventura County 2524 Townsgate Road, Suite A Westlake Village, CA 91361 supervisor.foy@ventura.org

Supervisor Parks Supervisor Ventura County 2524 Townsgate Road, Suite A Westlake Village, CA 91361 Linda.Parks@ventura.org

# **Appendix C: Correspondences**

• Growth Projection Letter to Cities and Counties

## Blanusa, Danilo

From:	Blanusa, Danilo
Sent:	Wednesday, August 19, 2015 9:17 AM
То:	Kim Prillhart (Kim.Prillhart@ventura.org)
Cc:	Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Varney, Douglas
Subject:	Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Westlake District
Attachments:	Letter to City Planning Officials - Attachmet - WLK.pdf

Dear Ms. Prillhart,

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 Westlake District provides water service to Ventura County.

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

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

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

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

- **Residential** Typically two residential customer service categories represent the vast majority of the service counts as well as subsequent water sales or demand in our districts. Cal Water considers both single family and multi-family residential services independently as individual classes, but combines them together in order to assess population growth and housing unit growth. While we use historical trends in the establishment for the growth rates for these two customer classes, we also analyze census data for population and housing factors and compare our forecast results for these two parameters with available data from City General Plans, as well as County Economic Forecast data and Regional government association forecasts as a reality or appropriateness check of our results.
- **Commercial & Industrial** Historical trend is a key influence in this customer class, however where we have seen negative trends in recent years for these categories due to the economic downturn, we typically employ either a zero rate of growth or a small, reasonable positive rate of growth. We have also undertaken during the last ten years some reassessment of customer service classifications that has resulted in reallocation of some customer service accounts between various classes. This reallocation, which included commercial, industrial, multi-family residential and in some cases government services, has made the analysis of growth a bit more difficult.

- **Government** Growth trends are generally parallel to that of the residential sector, so we verify that our rate of grow is not dramatically out-of-sequence with the overall community.
- **Other** The use of temporary-assigned construction meters varies considerably from year to year, and can represent considerable water demand. In this case, we select a growth rate that is stable, yet reflects the overall growth of the community.

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

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

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

Please examine these documents to determine if you concur with our forecasted housing and population numbers. It would be greatly appreciated if you could, by **September 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 <u>tsalzano@calwater.com</u>.

Thank you for your assistance in this effort.

Respectfully,

Thomas A. Salzano

Thomas A. Salzano Water Resource Planning Supervisor

Danilo Blanusa, P.E.

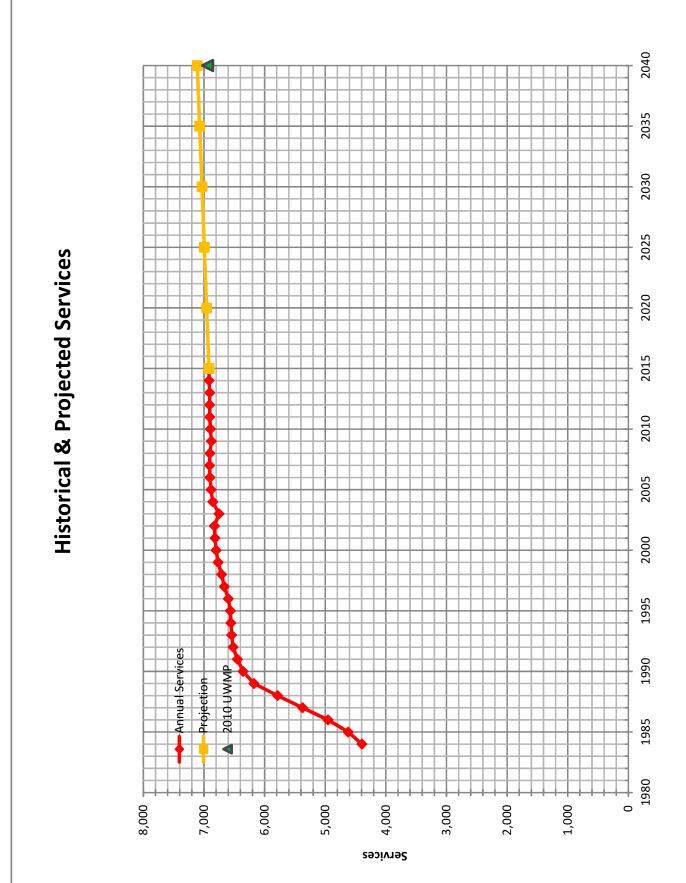
Senior Engineer CALIFORNIA WATER SERVICE 408-367-8387



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Attachment A (Sheet 1 of 2)

TOT Cht



Worksheet 8

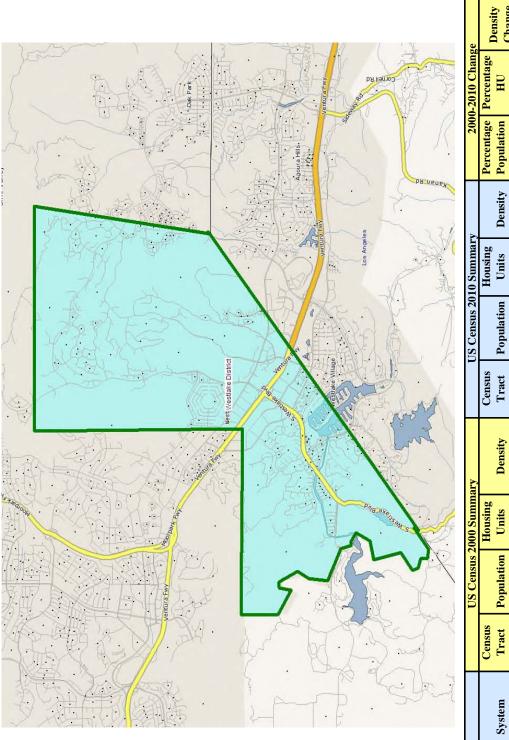
Attachment A (Sheet 2 of 2)

# California Water Service Company - Westlake District Water Supply and Demand Analysis and Projections Actual & Projected Annual Average Services

Customer		Selected Trand	Growth		Actual Services	rvices				Projected Services	ervices		
Calegory		perected 1 tella	Rate	2000	2005	2010	2015	2015	2020	2025	2030	2035	2040
SFR	SFR_B	5 Yr. Avg.	%60.0	6,116	6,134	6,139	6,169	6,169	6,198	6,227	6,256	6,286	6,315
MFR	MFR_B	SFR 5 Yr. Avg.	0.09%	65	65	125	125	125	126	126	127	127	128
COM	COM_D	COM_D 15 Yr. Avg.	0.28%	510	576	536	527	527	535	542	550	557	565
IND	IND_A	Zero Growth Rate	0.00%	14	15	0	0	0	0	0	0	0	0
GOV	GOV_C	GOV_C 10 Yr. Avg.	0.23%	84	87	89	89	89	06	91	92	93	94
OTH	OTH_E	OTH_E 20 Yr. Avg.	0.02%	6	9	5	8	8	8	8	8	8	8
TOTAL	Average	Average growth rate 2011-2040	0.11%	6,798	6,883	6,895	6,918	6,918	6,956	6,994	7,032	7,071	7,110

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California Water Service Company - Westlake District Water Supply and Demand Analysis and Projections **MarPlot Summary** 



	111	16,717	6,982	2.39	133	<u></u>	19,397	8,343	2.32	116.0%	119.5%	97.19
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uses the centoid, or center point, rather		than the entire poly	ygon. If a Censu	most given acove are only rough estimates. They are based on the OS Census Brocks, Autobugh Census solygon. If a Census Block centroid is within any of the MARPLOT selected objects, the population and	within a	ny of the N	AARPLOT sele	cted objects, th	e population an	nd housing numbers for that block a	s for that block a	e
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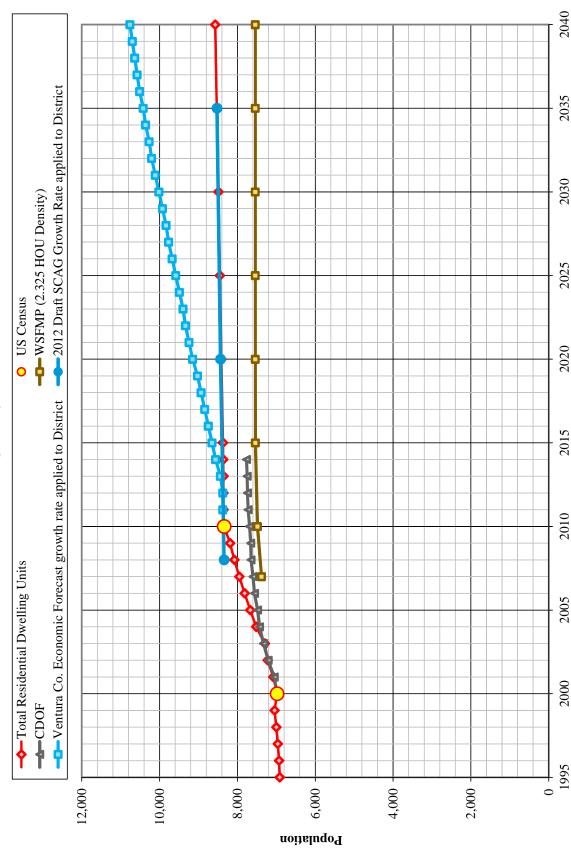
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Housing Projections

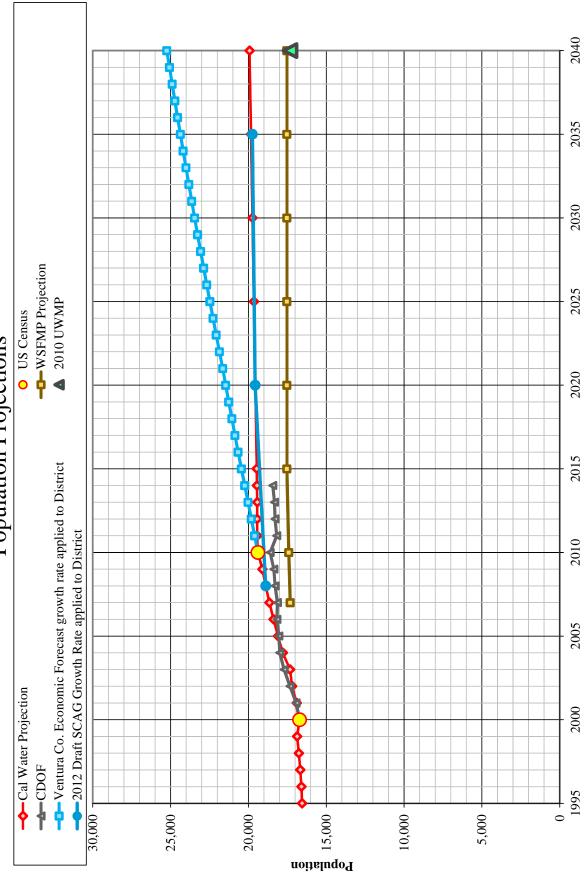
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# California Water Service Company - Westlake District Water Supply and Demand Analysis and Projections Population Estimate

	US C	ensus	Dorsons nor	Single Family	M	Multi Family Residential	ntial	Flat Rate
			Housing Hait	Residential		Residential	Unit	Residential
Year	Population	Housing Units		Services (DU)	Services	Units (DU)	Density	Services (DU)
2000	16,717	6,982	2.394	6,116	65	866	13.3	0
2010	19,397	8,343	2.325	6,139	125	2,204	17.6	0
	16.0%	19.5%	-2.9%	0.4%	92.3%	154.6%	32.4%	0.0%
					r F			

Andreckental         19.5%         2.9%         0.4%         92.3%         154.6%         0.0%           Yeur         Single Family         Math Family Residential         Flat Rate         Total         Persons print         District           Yeur         Kevidential         Srivies         Residential         Flat Rate         Total         Persons print         District           1995         6.045         6.5         866         13.3         0         6.939         2.394         16.533           1995         6.019         6.5         866         13.3         0         6.939         2.394         16.533           2000         6.116         6.5         866         13.3         0         7.047         2.394         16.578           2001         6.019         6.5         866         13.3         0         7.047         2.394         16.771           2001         6.113         17.31         7.44         0         7.047         2.394         16.771           2003         6.091         6.33         0         6.993         15.34         0         7.947         2.394         16.771           2003         6.191         0         7.047	_	NT NT	1/06/1	0,040	2.323	0,137	777	- 22,2	0.11	<b>&gt;</b>	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			16.0%	19.5%	-2.9%	0.4%	92.3%	154.6%	32.4%	0.0%	
Residential         Services         Residential         Units (DU)         Density         Residential         Residential         District         District           1995         6,005         65         866         13.3         0         6,933         2.394         16,513           1995         6,007         65         866         13.3         0         6,933         2.394         16,573           1995         6,114         65         866         13.3         0         6,933         2.394         16,573           1999         6,114         65         13.3         0         6,933         2.394         16,573           2000         6,116         65         13.3         0         7,039         2.394         16,573           2003         6,017         65         1,267         198         0         7,039         2.394         16,773           2003         6,147         65         1,401         21.6         0         7,393         17,392           2004         6,147         65         1,401         21.6         0         7,393         17,390           2014         6,517         6,33         0         7,393         2.			Single Family	Multi	i Family Resider	ntial	Flat Rate	Total	Domond non	Estimated	
YearServices (DU)DensityServices (DU)DensityRopulation19956,0486586613.306,9132.39416,55319976,0976,0976586613.306,9932.39416,57319986,11346586613.306,9932.39416,57319986,11346586613.306,9932.39416,57320006,1146586613.307,0472.39416,57320016,0796586613.307,0472.39416,77320026,0136,117651,13317,407,2232.39416,77320046,117651,13317,407,23317,39517,39520046,117651,4012,1607,23317,39520046,117651,6672,6607,23318,39520056,1471001,80218,007,2132,36618,00620066,1471001,80218,007,5172,36416,779020076,1491001,80217,6902,36717,79020086,1471001,80216,6702,36416,779020096,1471001,8022,36416,77902,36720106,1361252,04417,662,36719,470<			Residential	Services	Residential	Unit	Residential	Residential	Housing Unit	District	
1995 $6,048$ $65$ $866$ $13.3$ $0$ $6,913$ $2.394$ $16,533$ $1976$ $6,073$ $65$ $866$ $13.3$ $0$ $6,930$ $2.394$ $16,533$ $1978$ $6,134$ $65$ $866$ $13.3$ $0$ $6,999$ $2.394$ $16,573$ $1978$ $6,114$ $65$ $866$ $13.3$ $0$ $6,999$ $2.394$ $16,773$ $2000$ $6,116$ $65$ $866$ $13.3$ $0$ $6,999$ $2.394$ $16,773$ $2001$ $6,079$ $65$ $1,133$ $17,4$ $0$ $7,077$ $2.387$ $16,872$ $2002$ $6,117$ $65$ $1,133$ $17,4$ $0$ $7,223$ $2.387$ $17,790$ $2003$ $6,117$ $65$ $1,133$ $17,4$ $0$ $7,223$ $2.387$ $17,790$ $2004$ $6,134$ $65$ $1,431$ $2.166$ $0$ $7,593$ $2.387$ $17,790$ $2004$ $6,147$ $65$ $1,430$ $2.166$ $0$ $7,693$ $2.373$ $17,790$ $2004$ $6,147$ $166$ $0$ $7,693$ $2.360$ $18,066$ $17,790$ $2005$ $6,142$ $12,00$ $19,06$ $9,077$ $2.387$ $17,790$ $2006$ $6,147$ $166$ $0$ $7,693$ $2.360$ $18,061$ $2006$ $6,147$ $100$ $1,1602$ $17,60$ $2.360$ $17,790$ $2006$ $6,142$ $125$ $2.204$ $17,66$ $2.360$ $2.360$		Year	Services (DU)		Units (DU)	Density	Services (DU)	<b>Dwelling Units</b>		Population	
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1999 $6,181$ $65$ $866$ $13.3$ $0$ $7,047$ $2.394$ $16,872$ 2001 $6,019$ $65$ $999$ $17.4$ $0$ $7,079$ $2.387$ $16,899$ 2002 $6,031$ $64$ $11267$ $19.8$ $0$ $7,079$ $2.387$ $16,899$ 2003 $6,031$ $64$ $11267$ $19.8$ $0$ $7,079$ $2.387$ $16,899$ 2004 $6,117$ $65$ $1,133$ $12,67$ $17,195$ $2.367$ $17,195$ 2005 $6,147$ $65$ $1,610$ $21,66$ $0$ $7,517$ $2.367$ $17,790$ 2006 $6,147$ $65$ $1,636$ $15,35$ $2,16$ $0$ $7,517$ $2.367$ $17,790$ 2006 $6,147$ $156$ $1,802$ $18,00$ $7,517$ $2.367$ $17,790$ 2007 $6,149$ $1000$ $1,802$ $18,00$ $7,517$ $2.367$ $17,790$ 2007 $6,149$ $1000$ $1,802$ $18,00$ $7,517$ $2.367$ $17,790$ 2008 $6,142$ $1256$ $1260$ $17,66$ $0$ $7,951$ $2.326$ $19,406$ 2009 $6,121$ $125$ $2.204$ $17,6$ $0$ $8,191$ $2.332$ $19,406$ 2011 $6,163$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,410$ 2012 $6,163$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,436$ 2013 $6,163$ $125$ $2.2$		1998	6,134	65	866	13.3	0	6,999	2.394	16,758	
20006,1166586613.306,9822.39416,7172001 $6,079$ 6599915,407,0792.38716,8992002 $6,031$ 641,26719,807,2332.33717,3222003 $6,031$ 651,40121,607,5172.36718,0962005 $6,134$ 651,40121,607,5172.36717,7902006 $6,147$ 651,66825,707,5172.36718,0962007 $6,149$ 1001,80218,007,5172.36018,0962008 $6,142$ 1201,93016,108,0772.33918,3872008 $6,121$ 1252.04417,608,0772.33918,3872010 $6,139$ 1252.20417,608,3432.32519,4002011 $6,156$ 1252.20417,608,3592.32519,4002012 $6,138$ 1252.20417,608,3592.32519,4302013 $6,158$ 1252.20417,608,3592.32519,4302014 $6,169$ 1252.20417,608,3592.32519,4302013 $6,158$ 1252.20417,608,3592.32519,4302014 $6,169$ 1252.20417,608,359 <td< td=""><th></th><td>1999</td><td>6,181</td><td>65</td><td>866</td><td>13.3</td><td>0</td><td>7,047</td><td>2.394</td><td>16,872</td><td></td></td<>		1999	6,181	65	866	13.3	0	7,047	2.394	16,872	
2001 $6,079$ $65$ 999 $15,4$ 0 $7,079$ $2.387$ $16,899$ 2002 $6,031$ $65$ $1,133$ $17,4$ 0 $7,073$ $2.380$ $17,195$ 2003 $6,031$ $65$ $1,401$ $21,6$ $9,8$ $0$ $7,517$ $2.367$ $17,302$ 2004 $6,147$ $65$ $1,635$ $2356$ $0$ $7,669$ $2.360$ $18,096$ 2005 $6,147$ $65$ $1,636$ $25,7$ $0$ $7,669$ $2.366$ $18,096$ 2006 $6,147$ $65$ $1,636$ $25,7$ $0$ $7,617$ $2.339$ $18,096$ 2007 $6,149$ $100$ $1,802$ $18,00$ $7,617$ $2.339$ $18,992$ 2008 $6,142$ $125$ $2,040$ $17,6$ $0$ $7,951$ $2.336$ $19,997$ 2010 $6,139$ $125$ $2,044$ $17,6$ $0$ $8,9191$ $2.332$ $19,397$ 2011 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,349$ $2.325$ $19,436$ 2012 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ 2013 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ 2014 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ 2014 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ 2014 $6,163$ <th></th> <th>2000</th> <th>6,116</th> <th>65</th> <th>866</th> <th>13.3</th> <th>0</th> <th>6,982</th> <th>2.394</th> <th>16,717</th> <th></th>		2000	6,116	65	866	13.3	0	6,982	2.394	16,717	
2002 $6,090$ $65$ $1,133$ $17,4$ $0$ $7,223$ $2.380$ $17,195$ $2004$ $6,117$ $65$ $1,267$ $19,8$ $0$ $7,517$ $2.367$ $17,790$ $2005$ $6,147$ $65$ $1,533$ $23,6$ $0$ $7,692$ $2.367$ $17,790$ $2006$ $6,147$ $65$ $1,668$ $25,7$ $0$ $7,617$ $2.367$ $18,096$ $2006$ $6,147$ $65$ $1,668$ $25,7$ $0$ $7,815$ $2.333$ $18,892$ $2007$ $6,149$ $100$ $1,802$ $16,1$ $0$ $7,951$ $2.346$ $18,696$ $2008$ $6,142$ $125$ $2.070$ $16,6$ $0$ $8,077$ $2.339$ $18,892$ $2010$ $6,139$ $125$ $2.004$ $17,6$ $0$ $8,191$ $2.332$ $19,100$ $2011$ $6,158$ $125$ $2.204$ $17,6$ $0$ $8,307$ $2.325$ $19,436$ $2012$ $6,158$ $125$ $2.204$ $17,6$ $0$ $8,336$ $2.325$ $19,436$ $2013$ $6,158$ $125$ $2.204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ $2014$ $6,163$ $125$ $2.204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ $2013$ $6,158$ $125$ $2.204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ $2014$ $6,163$ $125$ $2.2204$ $17,6$ $0$ $8,376$ $2.325$ $19,436$ </th <th></th> <th>2001</th> <th>6,079</th> <th>65</th> <th>666</th> <th>15.4</th> <th>0</th> <th>7,079</th> <th>2.387</th> <th>16,899</th> <th></th>		2001	6,079	65	666	15.4	0	7,079	2.387	16,899	
2003 $6,031$ $64$ $1,267$ $19,8$ $0$ $7,298$ $2.373$ $17,320$ $2004$ $6,117$ $65$ $1,401$ $21,6$ $0$ $7,517$ $2.367$ $17,790$ $2005$ $6,114$ $65$ $1,535$ $23,6$ $0$ $7,669$ $2.360$ $18,096$ $2007$ $6,149$ $100$ $1,802$ $18,00$ $7,669$ $2.360$ $18,096$ $2007$ $6,149$ $100$ $1,802$ $18,0$ $0$ $7,915$ $2.333$ $18,387$ $2008$ $6,121$ $125$ $2.070$ $16,6$ $0$ $8,077$ $2.332$ $19,006$ $2009$ $6,139$ $125$ $2.070$ $16,6$ $0$ $8,943$ $2.325$ $19,400$ $2011$ $6,156$ $125$ $2.204$ $17,6$ $0$ $8,343$ $2.325$ $19,400$ $2012$ $6,158$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ $2014$ $6,156$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ $2014$ $6,163$ $125$ $2.204$ $17,6$ $0$ $8,366$ $2.325$ $19,430$ $2014$ $6,156$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ $2014$ $6,163$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ $2014$ $6,156$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ <td< td=""><th></th><td>2002</td><td>6,090</td><td>65</td><td>1,133</td><td>17.4</td><td>0</td><td>7,223</td><td>2.380</td><td>17,195</td><td></td></td<>		2002	6,090	65	1,133	17.4	0	7,223	2.380	17,195	
2004 $6,117$ $65$ $1,401$ $21.6$ $0$ $7,517$ $2.367$ $17,790$ $2005$ $6,134$ $65$ $1,535$ $23.6$ $0$ $7,669$ $2.360$ $18,096$ $2006$ $6,147$ $65$ $1,668$ $25.7$ $0$ $7,669$ $2.360$ $18,096$ $2007$ $6,149$ $100$ $1,802$ $18,00$ $0$ $7,951$ $2.346$ $18,096$ $2008$ $6,121$ $125$ $1,900$ $16,10$ $0$ $8,077$ $2.332$ $19,100$ $2010$ $6,139$ $125$ $2,070$ $16,61$ $0$ $8,977$ $2.332$ $19,100$ $2011$ $6,139$ $125$ $2,204$ $17,6$ $0$ $8,339$ $2.325$ $19,440$ $2012$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,440$ $2012$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,440$ $2013$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2014$ $6,168$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,440$ $2014$ $6,168$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,440$ $2014$ $6,168$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,440$ $2014$ $6,168$ $17,6$ $0$ $8,366$ $2.325$ $19,440$ $2014$		2003	6,031	64	1,267	19.8	0	7,298	2.373	17,322	
2005 $6,134$ $65$ $1,535$ $23.6$ $0$ $7,669$ $2.360$ $18,06$ 2006 $6,147$ $65$ $1,668$ $25.7$ $0$ $7,815$ $2.333$ $18,387$ 2006 $6,147$ $65$ $1,668$ $25.7$ $0$ $7,815$ $2.333$ $18,387$ 2008 $6,142$ $120$ $1,802$ $18,00$ $7,951$ $2.346$ $18,651$ 2009 $6,121$ $125$ $2,070$ $16,6$ $0$ $8,077$ $2.339$ $18,892$ 2010 $6,139$ $125$ $2,070$ $16,6$ $0$ $8,191$ $2.332$ $19,100$ 2011 $6,156$ $125$ $2,204$ $17,6$ $0$ $8,339$ $2.325$ $19,436$ 2012 $6,158$ $125$ $2,204$ $17,6$ $0$ $8,339$ $2.325$ $19,430$ 2013 $6,156$ $125$ $2,204$ $17,6$ $0$ $8,336$ $2.325$ $19,436$ 2014 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,336$ $2.325$ $19,440$ 2015 $6,166$ $125$ $2,204$ $17,6$ $0$ $8,336$ $2.325$ $19,440$ 2015 $6,166$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,445$ 2014 $6,166$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,465$ 2015 $6,166$ $125$ $2,204$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ 2020 $6,186$ <td< td=""><th></th><td>2004</td><td>6,117</td><td>65</td><td>1,401</td><td>21.6</td><td>0</td><td>7,517</td><td>2.367</td><td>17,790</td><td></td></td<>		2004	6,117	65	1,401	21.6	0	7,517	2.367	17,790	
2006 $6,147$ $65$ $1,668$ $25.7$ $0$ $7,815$ $2.353$ $18,387$ $2007$ $6,149$ $100$ $1,802$ $18,00$ $0$ $7,951$ $2.346$ $18,651$ $2008$ $6,142$ $120$ $1,936$ $16,1$ $0$ $8,077$ $2.339$ $18,892$ $2009$ $6,121$ $125$ $2,070$ $16,6$ $0$ $8,191$ $2.332$ $19,100$ $2010$ $6,139$ $125$ $2,204$ $17,6$ $0$ $8,343$ $2.325$ $19,437$ $2012$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,339$ $2.325$ $19,440$ $2013$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2015$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2014$ $17,6$ $0$ $8,339$ $2.325$ $19,440$ $19,440$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,336$ $2.325$ $19,440$ $2020$ $6,168$ $125$ $2,224$ $17,6$ $0$ $8,41$ $2.325$ $19,445$ $2020$		2005	6,134	65	1,535	23.6	0	7,669	2.360	18,096	
2007 $6,149$ $100$ $1,802$ $18,0$ $0$ $7,951$ $2.346$ $18,651$ $2008$ $6,121$ $125$ $2,070$ $16,6$ $0$ $8,077$ $2.339$ $18,892$ $2009$ $6,121$ $125$ $2,070$ $16,6$ $0$ $8,191$ $2.332$ $19,100$ $2010$ $6,139$ $125$ $2,204$ $17,6$ $0$ $8,343$ $2.325$ $19,400$ $2011$ $6,156$ $125$ $2,204$ $17,6$ $0$ $8,339$ $2.325$ $19,400$ $2012$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,430$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,430$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,430$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ $2014$ $6,166$ $126$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,465$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,465$ $2015$ $6,166$ $126$ $2,204$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,224$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ <th></th> <td>2006</td> <td>6,147</td> <td>65</td> <td>1,668</td> <td>25.7</td> <td>0</td> <td>7,815</td> <td>2.353</td> <td>18,387</td> <td></td>		2006	6,147	65	1,668	25.7	0	7,815	2.353	18,387	
2008 $6,142$ $120$ $1,936$ $16.1$ $0$ $8,077$ $2.339$ $18,892$ $2009$ $6,121$ $125$ $2,070$ $16.6$ $0$ $8,191$ $2.332$ $19,100$ $2010$ $6,139$ $125$ $2,204$ $17.6$ $0$ $8,339$ $2.325$ $19,397$ $2011$ $6,156$ $125$ $2,204$ $17.6$ $0$ $8,359$ $2.325$ $19,430$ $2012$ $6,158$ $125$ $2,204$ $17.6$ $0$ $8,351$ $2.325$ $19,430$ $2013$ $6,153$ $125$ $2,204$ $17.6$ $0$ $8,356$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17.6$ $0$ $8,356$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17.6$ $0$ $8,356$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17.6$ $0$ $8,356$ $2.325$ $19,465$ $2014$ $17.6$ $0$ $8,356$ $2.325$ $19,465$ $19,465$ $2015$ $6,169$ $125$ $2,204$ $17.6$ $0$ $8,412$ $2.325$ $19,465$ $2015$ $6,169$ $125$ $2,204$ $17.6$ $0$ $8,412$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,224$ $17.6$ $0$ $8,412$ $2.325$ $19,465$ $2033$ $6,256$ $127$ $2,224$ $17.6$ $0$ $8,412$ $2.325$ $19,649$ $2035$ <td< td=""><th></th><td>2007</td><td>6,149</td><td>100</td><td>1,802</td><td>18.0</td><td>0</td><td>7,951</td><td>2.346</td><td>18,651</td><td></td></td<>		2007	6,149	100	1,802	18.0	0	7,951	2.346	18,651	
2009 $6,121$ $125$ $2,070$ $16,6$ $0$ $8,191$ $2.332$ $19,100$ $2010$ $6,139$ $125$ $2,204$ $17,6$ $0$ $8,343$ $2.325$ $19,397$ $2011$ $6,156$ $125$ $2,204$ $17,6$ $0$ $8,343$ $2.325$ $19,430$ $2012$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2013$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2013$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,440$ $2014$ $17,6$ $0$ $8,372$ $2.325$ $19,440$ $9,461$ $2014$ $17,6$ $0$ $8,372$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2.224$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2030$ $6,256$ $127$ $2,235$ $17,6$ $0$ $8,491$ $2.325$ $19,741$ $2030$ $6,286$ $127$ $2,245$ $17,6$ $0$ $8,491$ $2.325$ $19,741$ $2031$ $6,315$ $127$ $2,245$		2008	6,142	120	1,936	16.1	0	8,077	2.339	18,892	
2010 $6,139$ 125 $2,204$ $17,6$ 0 $8,343$ $2.325$ $19,397$ 2011 $6,156$ 125 $2,204$ $17,6$ 0 $8,359$ $2.325$ $19,436$ 2012 $6,158$ 125 $2,204$ $17,6$ 0 $8,359$ $2.325$ $19,436$ 2013 $6,158$ 125 $2,204$ $17,6$ 0 $8,359$ $2.325$ $19,440$ 2014 $6,163$ 125 $2,204$ $17,6$ 0 $8,359$ $2.325$ $19,440$ 2015 $6,169$ 125 $2,204$ $17,6$ 0 $8,366$ $2.325$ $19,440$ 2015 $6,169$ 125 $2,204$ $17,6$ 0 $8,366$ $2.325$ $19,465$ 2020 $6,198$ 125 $2,204$ $17,6$ 0 $8,412$ $2.325$ $19,465$ 2021 $6,198$ 126 $2,224$ $17,6$ 0 $8,412$ $2.325$ $19,465$ 2030 $6,256$ $127$ $2,235$ $17,6$ 0 $8,412$ $2.325$ $19,465$ 2030 $6,256$ $127$ $2,235$ $17,6$ 0 $8,412$ $2.325$ $19,465$ 2030 $6,256$ $127$ $2,235$ $17,6$ 0 $8,491$ $2.325$ $19,469$ 2030 $6,315$ $127$ $2,235$ $17,6$ 0 $8,491$ $2.325$ $19,469$ 2031 $6,315$ $127$ $2,235$ $17,6$ 0 $8,491$ $2.325$ $19,469$ 2040 $6,315$ $127$ $2,245$		2009	6,121	125	2,070	16.6	0	8,191	2.332	19,100	
2011 $6,156$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,435$ $2012$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ $2013$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,431$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,431$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,372$ $2.325$ $19,465$ $2020$ $6,198$ $125$ $2,214$ $17,6$ $0$ $8,372$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2020$ $6,266$ $127$ $2,224$ $17,6$ $0$ $8,412$ $2.325$ $19,649$ $2030$ $6,286$ $127$ $2,235$ $17,6$ $0$ $8,412$ $2.325$ $19,649$ $2030$ $6,286$ $127$ $2,245$ $17,6$ $0$ $8,491$ $2.325$ $19,649$ $2040$ $6,315$ $128$ $2,245$ $17,6$ $0$ $8,531$ $2.325$ $19,649$ $2040$ $6,315$ $127$ $2,245$ $17,6$ $0$ $8,71$ $2.325$ $19,649$ $2040$ $6,315$ $128$ $2,245$ $17,6$ $0$ $8,71$ $2.325$ $19,741$		2010	6,139	125	2,204	17.6	0	8,343	2.325	19,397	
2012 $6,158$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2013$ $6,155$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,434$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,451$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,372$ $2.325$ $19,451$ $2020$ $6,198$ $125$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2025$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2025$ $6,286$ $127$ $2,224$ $17,6$ $0$ $8,412$ $2.325$ $19,649$ $2030$ $6,286$ $127$ $2,235$ $17,6$ $0$ $8,491$ $2.325$ $19,649$ $2035$ $6,286$ $127$ $2,245$ $17,6$ $0$ $8,491$ $2.325$ $19,649$ $2040$ $6,315$ $128$ $2,245$ $17,6$ $0$ $8,531$ $2.325$ $19,834$		2011	6,156	125	2,204	17.6	0	8,359	2.325	19,435	
2013 $6,155$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,434$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,465$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2025$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,649$ $2025$ $6,256$ $127$ $2,224$ $17,6$ $0$ $8,412$ $2.325$ $19,741$ $2030$ $6,256$ $127$ $2,235$ $17,6$ $0$ $8,491$ $2.325$ $19,741$ $2035$ $6,286$ $127$ $2,245$ $17,6$ $0$ $8,531$ $2.325$ $19,741$ $2040$ $6,315$ $128$ $2,256$ $17,6$ $0$ $8,571$ $2.325$ $19,741$	<	2012	6,158	125	2,204	17.6	0	8,361	2.325	19,440	<
2014 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,451$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,372$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2025$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,649$ $2025$ $6,256$ $127$ $2,224$ $17,6$ $0$ $8,451$ $2.325$ $19,649$ $2030$ $6,256$ $127$ $2,235$ $17,6$ $0$ $8,491$ $2.325$ $19,649$ $2035$ $6,286$ $127$ $2,245$ $17,6$ $0$ $8,491$ $2.325$ $19,741$ $2040$ $6,315$ $128$ $2,256$ $17,6$ $0$ $8,571$ $2.325$ $19,781$	_	2013	6,155	125	2,204	17.6	0	8,359	2.325	19,434	
2015 $6,169$ $125$ $2,204$ $17,6$ $0$ $8,372$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,214$ $17.6$ $0$ $8,412$ $2.325$ $19,649$ $2025$ $6,227$ $126$ $2,224$ $17.6$ $0$ $8,412$ $2.325$ $19,649$ $2030$ $6,256$ $127$ $2,235$ $17.6$ $0$ $8,491$ $2.325$ $19,649$ $2035$ $6,286$ $127$ $2,245$ $17.6$ $0$ $8,491$ $2.325$ $19,741$ $2040$ $6,315$ $128$ $2,256$ $17.6$ $0$ $8,571$ $2.325$ $19,834$	ACTUAL	2014	6,163	125	2,204	17.6	0	8,366	2.325	19,451	ACTUAL
6,198         126         2,214         17.6         0         8,412         2.325           6,227         126         2,224         17.6         0         8,451         2.325           6,256         127         2,235         17.6         0         8,491         2.325           6,286         127         2,245         17.6         0         8,491         2.325           6,286         127         2,245         17.6         0         8,531         2.325           6,315         128         2,256         17.6         0         8,571         2.325	ROJECTED	2015	6,169	125	2,204	17.6	0	8,372	2.325	19,465	PROJECTED
6,227         126         2,224         17.6         0         8,451         2.325           6,256         127         2,235         17.6         0         8,491         2.325           6,286         127         2,245         17.6         0         8,491         2.325           6,286         127         2,245         17.6         0         8,531         2.325           6,315         128         2,256         17.6         0         8,571         2.325	_	2020	6,198	126	2,214	17.6	0	8,412	2.325	19,557	
6,256         127         2,235         17.6         0         8,491         2.325           6,286         127         2,245         17.6         0         8,531         2.325           6,315         128         2,256         17.6         0         8,571         2.325	>	2025	6,227	126	2,224	17.6	0	8,451	2.325	19,649	>
6,286         127         2,245         17.6         0         8,531         2.325           6,315         128         2,256         17.6         0         8,571         2.325		2030	6,256	127	2,235	17.6	0	8,491	2.325	19,741	
6,315 128 2,256 17.6 0 8,571 2.325		2035	6,286	127	2,245	17.6	0	8,531	2.325	19,834	
		2040	6,315	128	2,256	17.6	0	8,571	2.325	19,928	

Notes: linear extrapolation used to estimated MFR-DU from 2000. Estimate extend until 2010 due to reclassification, afterwards a constant MFR Unit Density is used.

Population

## Blanusa, Danilo

From: Sent: To: Cc: Subject:	Blanusa, Danilo Wednesday, August 19, 2015 9:23 AM Jay T. Spurgin (jspurgin@toks.org) Salzano, Tom; Bolzowski, Michael R.; Keck, Jonathan; Varney, Douglas Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Westlake District
Attachments:	Letter to City Planning Officials - Attachmet - WLK.pdf Follow up
Follow Up Flag: Flag Status:	Completed

Dear Mr. Spurgin,

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 Westlake District provides water service to the City of Thousand Oaks.

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 <u>tsalzano@calwater.com</u>.

Thank you for your assistance in this effort.

Respectfully,

Thomas A. Salzano

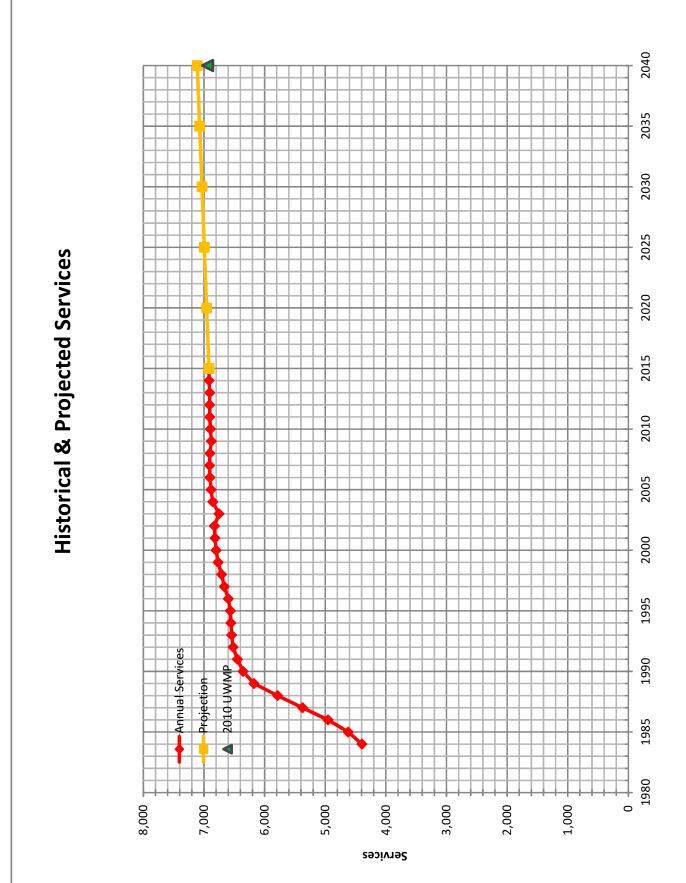
Thomas A. Salzano Water Resource Planning Supervisor

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



Attachment A (Sheet 1 of 2)

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Worksheet 8

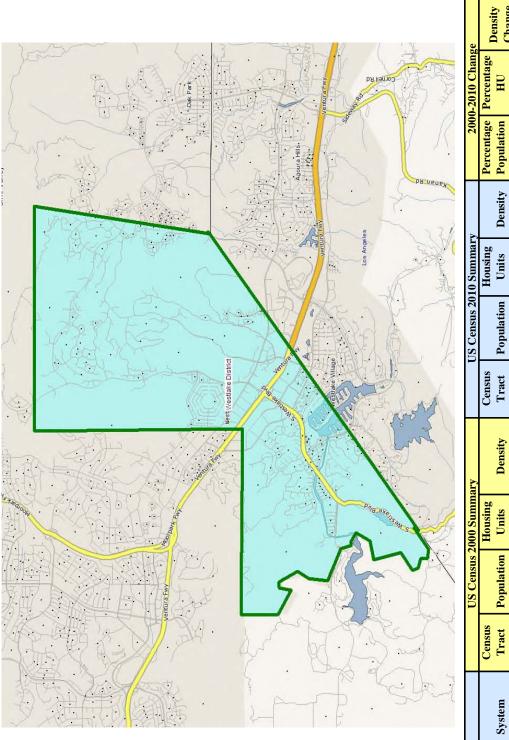
Attachment A (Sheet 2 of 2)

# California Water Service Company - Westlake District Water Supply and Demand Analysis and Projections Actual & Projected Annual Average Services

Customer		Selected Trand	Growth		Actual Services	rvices				Projected Services	ervices		
Calegory		perected 1 tella	Rate	2000	2005	2010	2015	2015	2020	2025	2030	2035	2040
SFR	SFR_B	5 Yr. Avg.	%60.0	6,116	6,134	6,139	6,169	6,169	6,198	6,227	6,256	6,286	6,315
MFR	MFR_B	SFR 5 Yr. Avg.	0.09%	65	65	125	125	125	126	126	127	127	128
COM	COM_D	COM_D 15 Yr. Avg.	0.28%	510	576	536	527	527	535	542	550	557	565
IND	IND_A	Zero Growth Rate	0.00%	14	15	0	0	0	0	0	0	0	0
GOV	GOV_C	GOV_C 10 Yr. Avg.	0.23%	84	87	89	89	89	06	91	92	93	94
OTH	OTH_E	OTH_E 20 Yr. Avg.	0.02%	6	9	5	8	8	8	8	8	8	8
TOTAL	Average	Average growth rate 2011-2040	0.11%	6,798	6,883	6,895	6,918	6,918	6,956	6,994	7,032	7,071	7,110

Serv Proj

California Water Service Company - Westlake District Water Supply and Demand Analysis and Projections **MarPlot Summary** 



	111	16,717	6,982	2.39	133	<u></u>	19,397	8,343	2.32	116.0%	119.5%	97.19
MAPPI OT disclaimer: The noni	he nonulation o	dmin naising bus	ar aiven ahove	housing number given shous are only wouch actimates. They are beed on the 11S Geneue Blocks. Although Geneue Blocks are reduced	natae Tl	are had	O SII of the LIS C	anene Blocke	Although Canci	aloce are about	TO IddaM 3000	
uses the centoid, or center point, rather		than the entire poly	ygon. If a Censu	most given acove are only rough estimates. They are based on the OS Census Brocks, Autobugh Census solygon. If a Census Block centroid is within any of the MARPLOT selected objects, the population and	within a	ny of the N	AARPLOT sele	cted objects, th	e population an	nd housing numbers for that block a	s for that block a	e
tallied, even if only part of the block i	0	within the selected	object. It is pos	ed 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	t be cou	nted if its	centroid is not v	within selected	objects, even th	ought part of the h	olock is within the	0
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Westlake

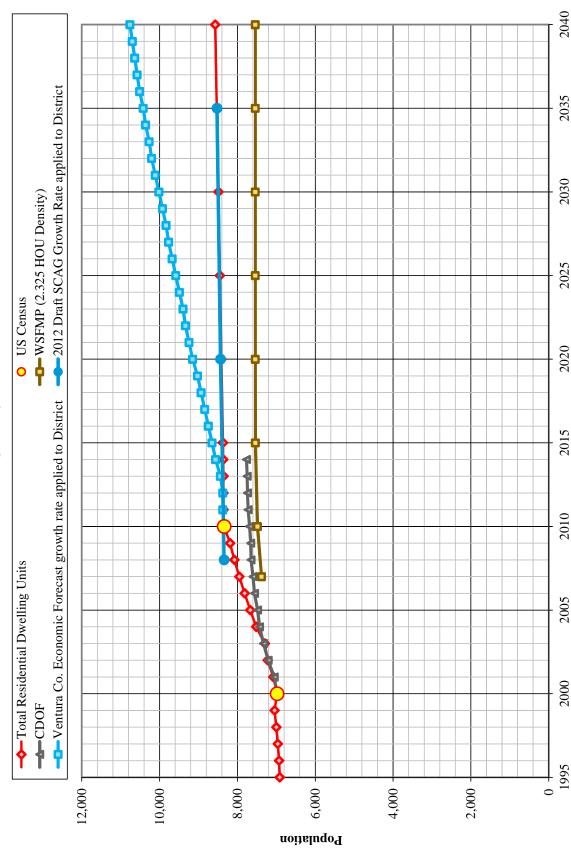
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selected objects.

Marplot Summary

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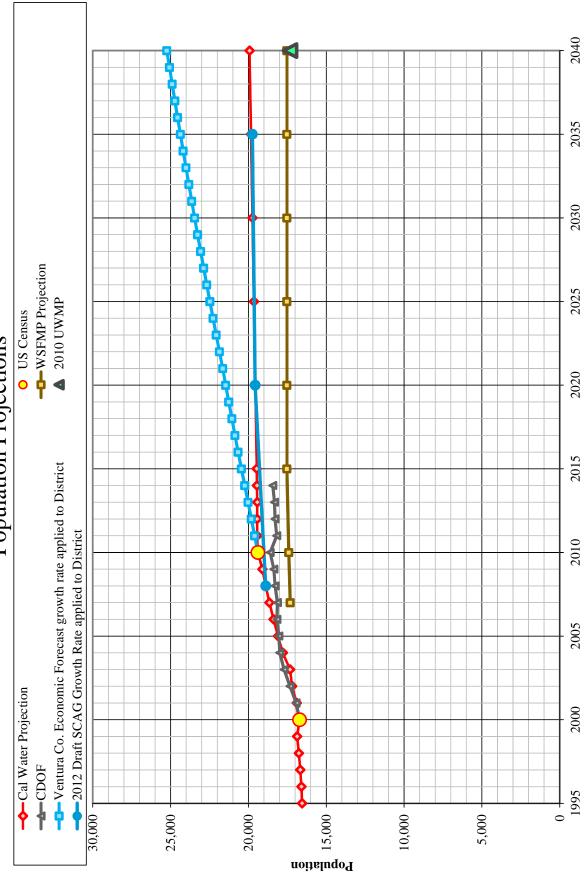
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Year

# California Water Service Company - Westlake District Water Supply and Demand Analysis and Projections Population Estimate

	US C	ensus	Dorsons nor	Single Family	M	Multi Family Residential	ntial	Flat Rate
			Housing Hait	Residential		Residential	Unit	Residential
Year	Population	Housing Units		Services (DU)	Services	Units (DU)	Density	Services (DU)
2000	16,717	6,982	2.394	6,116	65	866	13.3	0
2010	19,397	8,343	2.325	6,139	125	2,204	17.6	0
	16.0%	19.5%	-2.9%	0.4%	92.3%	154.6%	32.4%	0.0%
					r F			

Andreckental         19.5%         2.9%         0.4%         92.3%         154.6%         0.0%           Yeur         Single Family         Math Family Residential         Flat Rate         Total         Persons print         District           Yeur         Kevidential         Srivies         Residential         Flat Rate         Total         Persons print         District           1995         6.045         6.5         866         13.3         0         6.939         2.394         16.533           1995         6.019         6.5         866         13.3         0         6.939         2.394         16.533           2000         6.116         6.5         866         13.3         0         7.047         2.394         16.578           2001         6.019         6.5         866         13.3         0         7.047         2.394         16.771           2001         6.113         17.31         7.44         0         7.047         2.394         16.771           2003         6.091         6.33         0         6.993         15.34         0         7.947         2.394         16.771           2003         6.191         0         7.047	_	NT NT	1/06/1	0,040	2.323	0,137	777	- 22,2	0.11	<b>&gt;</b>	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			16.0%	19.5%	-2.9%	0.4%	92.3%	154.6%	32.4%	0.0%	
Residential         Services         Residential         Units (DU)         Density         Residential         Residential         District         District           1995         6,005         65         866         13.3         0         6,933         2.394         16,513           1995         6,007         65         866         13.3         0         6,933         2.394         16,573           1995         6,114         65         866         13.3         0         6,933         2.394         16,573           1999         6,114         65         13.3         0         6,933         2.394         16,573           2000         6,116         65         13.3         0         7,039         2.394         16,573           2003         6,017         65         1,267         198         0         7,039         2.394         16,773           2003         6,147         65         1,401         21.6         0         7,393         17,392           2004         6,147         65         1,401         21.6         0         7,393         17,390           2014         6,517         6,33         0         7,393         2.			Single Family	Multi	i Family Resider	ntial	Flat Rate	Total	Domond non	Estimated	
YearServices (DU)DensityServices (DU)DensityRopulation19956,0486586613.306,9132.39416,55319976,0976,0976586613.306,9932.39416,57319986,11346586613.306,9932.39416,57319986,11346586613.306,9932.39416,57320006,1146586613.307,0472.39416,57320016,0796586613.307,0472.39416,77320026,0136,117651,13317,407,2232.39416,77320046,117651,13317,407,23317,39517,39520046,117651,4012,1607,23317,39520046,117651,6672,6607,23318,39520056,1471001,80218,007,2132,36618,00620066,1471001,80218,007,5172,36416,779020076,1491001,80217,6902,36717,79020086,1471001,80216,6702,36416,779020096,1471001,8022,36416,77902,36720106,1361252,04417,662,36719,470<			Residential	Services	Residential	Unit	Residential	Residential	Housing Unit	District	
1995 $6,048$ $65$ $866$ $13.3$ $0$ $6,913$ $2.394$ $16,533$ $1976$ $6,073$ $65$ $866$ $13.3$ $0$ $6,930$ $2.394$ $16,533$ $1978$ $6,134$ $65$ $866$ $13.3$ $0$ $6,999$ $2.394$ $16,573$ $1978$ $6,114$ $65$ $866$ $13.3$ $0$ $6,999$ $2.394$ $16,773$ $2000$ $6,116$ $65$ $866$ $13.3$ $0$ $6,999$ $2.394$ $16,773$ $2001$ $6,079$ $65$ $1,133$ $17,4$ $0$ $7,077$ $2.387$ $16,872$ $2002$ $6,117$ $65$ $1,133$ $17,4$ $0$ $7,223$ $2.387$ $17,790$ $2003$ $6,117$ $65$ $1,133$ $17,4$ $0$ $7,223$ $2.387$ $17,790$ $2004$ $6,134$ $65$ $1,431$ $2.166$ $0$ $7,593$ $2.387$ $17,790$ $2004$ $6,147$ $65$ $1,430$ $2.166$ $0$ $7,693$ $2.373$ $17,790$ $2004$ $6,147$ $166$ $0$ $7,693$ $2.360$ $18,066$ $17,790$ $2005$ $6,142$ $12,00$ $19,06$ $9,077$ $2.387$ $17,790$ $2006$ $6,147$ $166$ $0$ $7,693$ $2.360$ $18,061$ $2006$ $6,147$ $100$ $1,1602$ $17,60$ $2.360$ $17,790$ $2006$ $6,142$ $125$ $2.204$ $17,66$ $2.360$ $2.360$		Year	Services (DU)		Units (DU)	Density	Services (DU)	<b>Dwelling Units</b>		Population	
1996 $6,065$ $65$ $866$ $13.3$ $0$ $6,930$ $2.394$ $16,573$ 1998 $6,114$ $65$ $866$ $13.3$ $0$ $6,933$ $2.394$ $16,717$ 1998 $6,113$ $65$ $866$ $13.3$ $0$ $6,932$ $2.394$ $16,717$ 2000 $6,116$ $65$ $866$ $13.3$ $0$ $7,017$ $2.394$ $16,717$ 2001 $6,013$ $65$ $11,33$ $17,4$ $0$ $7,017$ $2.394$ $16,717$ 2002 $6,019$ $65$ $11,33$ $17,4$ $0$ $7,019$ $2.387$ $17,195$ 2003 $6,011$ $65$ $1,267$ $999$ $15,4$ $0$ $7,019$ $2.367$ $17,195$ 2004 $6,117$ $65$ $1,267$ $916$ $0$ $7,019$ $2.367$ $17,195$ 2005 $6,147$ $65$ $1,535$ $2.3,6$ $0$ $7,208$ $2.3,67$ $17,790$ 2006 $6,147$ $100$ $1,802$ $1,816$ $0$ $7,619$ $2.367$ $17,790$ 2006 $6,147$ $100$ $1,802$ $1,816$ $0$ $7,815$ $2.367$ $17,790$ 2007 $6,147$ $100$ $1,802$ $1,864$ $1,266$ $0$ $7,816$ $2.367$ $17,790$ 2018 $6,142$ $126$ $1,266$ $1,266$ $0$ $7,815$ $2.346$ $18,687$ 2019 $6,142$ $125$ $1266$ $176$ $0$ $8,191$ $2.325$ $19,436$ <		1995	6,048	65	866	13.3	0	6,913	2.394	16,553	
1997 $6,097$ $65$ $866$ $13.3$ $0$ $6,063$ $2.394$ $16,71$ $1998$ $6,114$ $65$ $866$ $13.3$ $0$ $7,097$ $2.394$ $16,71$ $1999$ $6,116$ $65$ $866$ $13.3$ $0$ $7,097$ $2.394$ $16,77$ $2000$ $6,116$ $65$ $866$ $13.3$ $0$ $7,097$ $2.387$ $16,899$ $2011$ $6,079$ $65$ $1,133$ $17,4$ $0$ $7,223$ $2.387$ $16,899$ $2003$ $6,117$ $65$ $1,133$ $17,4$ $0$ $7,517$ $2.367$ $17,952$ $2004$ $6,117$ $65$ $1,133$ $21,66$ $0$ $7,517$ $2.367$ $17,952$ $2005$ $6,134$ $65$ $1,133$ $23,66$ $0$ $7,517$ $2.367$ $17,952$ $2005$ $6,134$ $65$ $1,266$ $2,366$ $7,323$ $2.367$ $17,952$ $2005$ $6,149$ $16,77$ $2.367$ $17,952$ $17,952$ $17,952$ $2006$ $6,147$ $65$ $1,668$ $1266$ $2.366$ $17,952$ $17,952$ $2007$ $6,142$ $1200$ $19,966$ $17,669$ $2.367$ $17,952$ $17,952$ $2008$ $6,117$ $1252$ $2,014$ $17,6$ $0$ $8,917$ $2.339$ $18,857$ $2008$ $6,112$ $1252$ $2,204$ $17,6$ $0$ $8,919$ $2.3352$ $19,496$ $2011$ $6,158$ $1252$ $2,204$		1996	6,065	65	866	13.3	0	6,930	2.394	16,593	
1998 $6,134$ $65$ $866$ $13.3$ $0$ $6,999$ $2.394$ $16,778$ 1099 $6,116$ $65$ $866$ $13.3$ $0$ $7,047$ $2.394$ $16,772$ 2000 $6,116$ $65$ $999$ $5.4$ $0$ $7,079$ $2.394$ $16,777$ 2011 $6,079$ $65$ $1,133$ $17,4$ $0$ $7,079$ $2.380$ $17,195$ 2002 $6,090$ $65$ $1,133$ $17,4$ $0$ $7,079$ $2.380$ $17,195$ 2003 $6,031$ $66$ $1,267$ $998$ $0$ $7,079$ $2.380$ $17,195$ 2004 $6,117$ $65$ $1,267$ $998$ $0$ $7,298$ $2.346$ $18,096$ 2005 $6,149$ $100$ $1,802$ $18,061$ $17,902$ $17,790$ 2006 $6,149$ $100$ $1,802$ $18,061$ $17,322$ $17,790$ 2007 $6,149$ $100$ $1,802$ $18,061$ $17,60$ $2.366$ $18,061$ 2008 $6,121$ $1256$ $1,268$ $1256$ $2.204$ $17,6$ $0$ $7,915$ 2010 $6,139$ $1256$ $1256$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,400$ 2011 $6,156$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,400$ 2012 $6,139$ $1256$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,400$ 2013 $6,156$ $125$ $2.204$ $17,6$ <td< td=""><th></th><td>1997</td><td>6,097</td><td>65</td><td>866</td><td>13.3</td><td>0</td><td>6,963</td><td>2.394</td><td>16,671</td><td></td></td<>		1997	6,097	65	866	13.3	0	6,963	2.394	16,671	
1999 $6,181$ $65$ $866$ $13.3$ $0$ $7,047$ $2.394$ $16,872$ 2001 $6,019$ $65$ $999$ $17.4$ $0$ $7,079$ $2.387$ $16,899$ 2002 $6,031$ $64$ $11267$ $19.8$ $0$ $7,079$ $2.387$ $16,899$ 2003 $6,031$ $64$ $11267$ $19.8$ $0$ $7,079$ $2.387$ $16,899$ 2004 $6,117$ $65$ $1,133$ $12,67$ $17,195$ $2.367$ $17,195$ 2005 $6,147$ $65$ $1,610$ $21,66$ $0$ $7,517$ $2.367$ $17,790$ 2006 $6,147$ $65$ $1,636$ $15,35$ $2,16$ $0$ $7,517$ $2.367$ $17,790$ 2006 $6,147$ $156$ $1,802$ $18,00$ $7,517$ $2.367$ $17,790$ 2007 $6,149$ $1000$ $1,802$ $18,00$ $7,517$ $2.367$ $17,790$ 2007 $6,149$ $1000$ $1,802$ $18,00$ $7,517$ $2.367$ $17,790$ 2008 $6,142$ $1256$ $1260$ $17,66$ $0$ $7,951$ $2.326$ $19,406$ 2009 $6,121$ $125$ $2.204$ $17,6$ $0$ $8,191$ $2.332$ $19,406$ 2011 $6,163$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,410$ 2012 $6,163$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,436$ 2013 $6,163$ $125$ $2.2$		1998	6,134	65	866	13.3	0	6,999	2.394	16,758	
20006,1166586613.306,9822.39416,7172001 $6,079$ 6599915,407,0792.38716,8992002 $6,031$ 641,26719,807,2332.33717,3222003 $6,031$ 651,40121,607,5172.36718,0962005 $6,134$ 651,40121,607,5172.36717,7902006 $6,147$ 651,66825,707,5172.36718,0962007 $6,149$ 1001,80218,007,5172.36018,0962008 $6,142$ 1201,93016,108,0772.33918,3872008 $6,121$ 1252.04417,608,0772.33918,3872010 $6,139$ 1252.20417,608,3432.32519,4002011 $6,156$ 1252.20417,608,3592.32519,4002012 $6,138$ 1252.20417,608,3592.32519,4302013 $6,158$ 1252.20417,608,3592.32519,4302014 $6,169$ 1252.20417,608,3592.32519,4302013 $6,158$ 1252.20417,608,3592.32519,4302014 $6,169$ 1252.20417,608,359 <td< td=""><th></th><td>1999</td><td>6,181</td><td>65</td><td>866</td><td>13.3</td><td>0</td><td>7,047</td><td>2.394</td><td>16,872</td><td></td></td<>		1999	6,181	65	866	13.3	0	7,047	2.394	16,872	
2001 $6,079$ $65$ 999 $15,4$ 0 $7,079$ $2.387$ $16,899$ 2002 $6,031$ $65$ $1,133$ $17,4$ 0 $7,073$ $2.380$ $17,195$ 2003 $6,031$ $65$ $1,401$ $21,6$ $9,8$ $0$ $7,517$ $2.367$ $17,302$ 2004 $6,147$ $65$ $1,635$ $2356$ $0$ $7,669$ $2.360$ $18,096$ 2005 $6,147$ $65$ $1,636$ $25,7$ $0$ $7,669$ $2.366$ $18,096$ 2006 $6,147$ $65$ $1,636$ $25,7$ $0$ $7,617$ $2.339$ $18,096$ 2007 $6,149$ $100$ $1,802$ $18,00$ $7,617$ $2.339$ $18,992$ 2008 $6,142$ $125$ $2,040$ $17,6$ $0$ $7,951$ $2.336$ $19,997$ 2010 $6,139$ $125$ $2,044$ $17,6$ $0$ $8,9191$ $2.332$ $19,397$ 2011 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,349$ $2.325$ $19,436$ 2012 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ 2013 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ 2014 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ 2014 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ 2014 $6,163$ <th></th> <th>2000</th> <th>6,116</th> <th>65</th> <th>866</th> <th>13.3</th> <th>0</th> <th>6,982</th> <th>2.394</th> <th>16,717</th> <th></th>		2000	6,116	65	866	13.3	0	6,982	2.394	16,717	
2002 $6,090$ $65$ $1,133$ $17,4$ $0$ $7,223$ $2.380$ $17,195$ $2004$ $6,117$ $65$ $1,267$ $19,8$ $0$ $7,517$ $2.367$ $17,790$ $2005$ $6,147$ $65$ $1,533$ $23,6$ $0$ $7,692$ $2.367$ $17,790$ $2006$ $6,147$ $65$ $1,668$ $25,7$ $0$ $7,617$ $2.367$ $18,096$ $2006$ $6,147$ $65$ $1,668$ $25,7$ $0$ $7,815$ $2.333$ $18,892$ $2007$ $6,149$ $100$ $1,802$ $16,1$ $0$ $7,951$ $2.346$ $18,696$ $2008$ $6,142$ $125$ $2.070$ $16,6$ $0$ $8,077$ $2.339$ $18,892$ $2010$ $6,139$ $125$ $2.004$ $17,6$ $0$ $8,191$ $2.332$ $19,100$ $2011$ $6,158$ $125$ $2.204$ $17,6$ $0$ $8,307$ $2.325$ $19,436$ $2012$ $6,158$ $125$ $2.204$ $17,6$ $0$ $8,336$ $2.325$ $19,436$ $2013$ $6,158$ $125$ $2.204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ $2014$ $6,163$ $125$ $2.204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ $2013$ $6,158$ $125$ $2.204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ $2014$ $6,163$ $125$ $2.2204$ $17,6$ $0$ $8,376$ $2.325$ $19,436$ </th <th></th> <th>2001</th> <th>6,079</th> <th>65</th> <th>666</th> <th>15.4</th> <th>0</th> <th>7,079</th> <th>2.387</th> <th>16,899</th> <th></th>		2001	6,079	65	666	15.4	0	7,079	2.387	16,899	
2003 $6,031$ $64$ $1,267$ $19,8$ $0$ $7,298$ $2.373$ $17,320$ $2004$ $6,117$ $65$ $1,401$ $21,6$ $0$ $7,517$ $2.367$ $17,790$ $2005$ $6,114$ $65$ $1,535$ $23,6$ $0$ $7,669$ $2.360$ $18,096$ $2007$ $6,149$ $100$ $1,802$ $18,00$ $7,669$ $2.360$ $18,096$ $2007$ $6,149$ $100$ $1,802$ $18,0$ $0$ $7,915$ $2.333$ $18,387$ $2008$ $6,121$ $125$ $2.070$ $16,6$ $0$ $8,077$ $2.332$ $19,006$ $2009$ $6,139$ $125$ $2.070$ $16,6$ $0$ $8,943$ $2.325$ $19,400$ $2011$ $6,156$ $125$ $2.204$ $17,6$ $0$ $8,343$ $2.325$ $19,400$ $2012$ $6,158$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ $2014$ $6,156$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ $2014$ $6,163$ $125$ $2.204$ $17,6$ $0$ $8,366$ $2.325$ $19,430$ $2014$ $6,156$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ $2014$ $6,163$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ $2014$ $6,156$ $125$ $2.204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ <td< td=""><th></th><td>2002</td><td>6,090</td><td>65</td><td>1,133</td><td>17.4</td><td>0</td><td>7,223</td><td>2.380</td><td>17,195</td><td></td></td<>		2002	6,090	65	1,133	17.4	0	7,223	2.380	17,195	
2004 $6,117$ $65$ $1,401$ $21.6$ $0$ $7,517$ $2.367$ $17,790$ $2005$ $6,134$ $65$ $1,535$ $23.6$ $0$ $7,669$ $2.360$ $18,096$ $2006$ $6,147$ $65$ $1,668$ $25.7$ $0$ $7,669$ $2.360$ $18,096$ $2007$ $6,149$ $100$ $1,802$ $18,00$ $0$ $7,951$ $2.346$ $18,096$ $2008$ $6,121$ $125$ $1,900$ $16,10$ $0$ $8,077$ $2.332$ $19,100$ $2010$ $6,139$ $125$ $2,070$ $16,61$ $0$ $8,977$ $2.332$ $19,100$ $2011$ $6,139$ $125$ $2,204$ $17,6$ $0$ $8,339$ $2.325$ $19,440$ $2012$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,440$ $2012$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,440$ $2013$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2014$ $6,168$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,440$ $2014$ $6,168$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,440$ $2014$ $6,168$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,440$ $2014$ $6,168$ $17,6$ $0$ $8,366$ $2.325$ $19,440$ $2014$		2003	6,031	64	1,267	19.8	0	7,298	2.373	17,322	
2005 $6,134$ $65$ $1,535$ $23.6$ $0$ $7,669$ $2.360$ $18,06$ 2006 $6,147$ $65$ $1,668$ $25.7$ $0$ $7,815$ $2.333$ $18,387$ 2006 $6,147$ $65$ $1,668$ $25.7$ $0$ $7,815$ $2.333$ $18,387$ 2008 $6,142$ $120$ $1,802$ $18,00$ $7,951$ $2.346$ $18,651$ 2009 $6,121$ $125$ $2,070$ $16,6$ $0$ $8,077$ $2.339$ $18,892$ 2010 $6,139$ $125$ $2,070$ $16,6$ $0$ $8,191$ $2.332$ $19,100$ 2011 $6,156$ $125$ $2,204$ $17,6$ $0$ $8,339$ $2.325$ $19,436$ 2012 $6,158$ $125$ $2,204$ $17,6$ $0$ $8,339$ $2.325$ $19,430$ 2013 $6,156$ $125$ $2,204$ $17,6$ $0$ $8,336$ $2.325$ $19,436$ 2014 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,336$ $2.325$ $19,440$ 2015 $6,166$ $125$ $2,204$ $17,6$ $0$ $8,336$ $2.325$ $19,440$ 2015 $6,166$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,445$ 2014 $6,166$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,465$ 2015 $6,166$ $125$ $2,204$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ 2020 $6,186$ <td< td=""><th></th><td>2004</td><td>6,117</td><td>65</td><td>1,401</td><td>21.6</td><td>0</td><td>7,517</td><td>2.367</td><td>17,790</td><td></td></td<>		2004	6,117	65	1,401	21.6	0	7,517	2.367	17,790	
2006 $6,147$ $65$ $1,668$ $25.7$ $0$ $7,815$ $2.353$ $18,387$ $2007$ $6,149$ $100$ $1,802$ $18,00$ $0$ $7,951$ $2.346$ $18,651$ $2008$ $6,142$ $120$ $1,936$ $16,1$ $0$ $8,077$ $2.339$ $18,892$ $2009$ $6,121$ $125$ $2,070$ $16,6$ $0$ $8,191$ $2.332$ $19,100$ $2010$ $6,139$ $125$ $2,204$ $17,6$ $0$ $8,343$ $2.325$ $19,437$ $2012$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,339$ $2.325$ $19,440$ $2013$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2015$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2014$ $17,6$ $0$ $8,339$ $2.325$ $19,440$ $19,440$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,336$ $2.325$ $19,440$ $2020$ $6,168$ $125$ $2,224$ $17,6$ $0$ $8,41$ $2.325$ $19,445$ $2020$		2005	6,134	65	1,535	23.6	0	7,669	2.360	18,096	
2007 $6,149$ $100$ $1,802$ $18,0$ $0$ $7,951$ $2.346$ $18,651$ $2008$ $6,121$ $125$ $2,070$ $16,6$ $0$ $8,077$ $2.339$ $18,892$ $2009$ $6,121$ $125$ $2,070$ $16,6$ $0$ $8,191$ $2.332$ $19,100$ $2010$ $6,139$ $125$ $2,204$ $17,6$ $0$ $8,343$ $2.325$ $19,400$ $2011$ $6,156$ $125$ $2,204$ $17,6$ $0$ $8,339$ $2.325$ $19,400$ $2012$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,430$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,430$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,430$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,436$ $2014$ $6,166$ $126$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,465$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,465$ $2015$ $6,166$ $126$ $2,204$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,224$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ <th></th> <td>2006</td> <td>6,147</td> <td>65</td> <td>1,668</td> <td>25.7</td> <td>0</td> <td>7,815</td> <td>2.353</td> <td>18,387</td> <td></td>		2006	6,147	65	1,668	25.7	0	7,815	2.353	18,387	
2008 $6,142$ $120$ $1,936$ $16.1$ $0$ $8,077$ $2.339$ $18,892$ $2009$ $6,121$ $125$ $2,070$ $16.6$ $0$ $8,191$ $2.332$ $19,100$ $2010$ $6,139$ $125$ $2,204$ $17.6$ $0$ $8,339$ $2.325$ $19,397$ $2011$ $6,156$ $125$ $2,204$ $17.6$ $0$ $8,359$ $2.325$ $19,430$ $2012$ $6,158$ $125$ $2,204$ $17.6$ $0$ $8,351$ $2.325$ $19,430$ $2013$ $6,153$ $125$ $2,204$ $17.6$ $0$ $8,356$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17.6$ $0$ $8,356$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17.6$ $0$ $8,356$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17.6$ $0$ $8,356$ $2.325$ $19,465$ $2014$ $17.6$ $0$ $8,356$ $2.325$ $19,465$ $19,465$ $2015$ $6,169$ $125$ $2,204$ $17.6$ $0$ $8,412$ $2.325$ $19,465$ $2015$ $6,169$ $125$ $2,204$ $17.6$ $0$ $8,412$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,224$ $17.6$ $0$ $8,412$ $2.325$ $19,465$ $2033$ $6,256$ $127$ $2,224$ $17.6$ $0$ $8,412$ $2.325$ $19,649$ $2035$ <td< td=""><th></th><td>2007</td><td>6,149</td><td>100</td><td>1,802</td><td>18.0</td><td>0</td><td>7,951</td><td>2.346</td><td>18,651</td><td></td></td<>		2007	6,149	100	1,802	18.0	0	7,951	2.346	18,651	
2009 $6,121$ $125$ $2,070$ $16,6$ $0$ $8,191$ $2.332$ $19,100$ $2010$ $6,139$ $125$ $2,204$ $17,6$ $0$ $8,343$ $2.325$ $19,397$ $2011$ $6,156$ $125$ $2,204$ $17,6$ $0$ $8,343$ $2.325$ $19,430$ $2012$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2013$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2013$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,440$ $2014$ $17,6$ $0$ $8,372$ $2.325$ $19,440$ $9,461$ $2014$ $17,6$ $0$ $8,372$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2.224$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2030$ $6,256$ $127$ $2,235$ $17,6$ $0$ $8,491$ $2.325$ $19,741$ $2030$ $6,286$ $127$ $2,245$ $17,6$ $0$ $8,491$ $2.325$ $19,741$ $2031$ $6,315$ $127$ $2,245$		2008	6,142	120	1,936	16.1	0	8,077	2.339	18,892	
2010 $6,139$ 125 $2,204$ $17,6$ 0 $8,343$ $2.325$ $19,397$ 2011 $6,156$ 125 $2,204$ $17,6$ 0 $8,359$ $2.325$ $19,436$ 2012 $6,158$ 125 $2,204$ $17,6$ 0 $8,359$ $2.325$ $19,436$ 2013 $6,158$ 125 $2,204$ $17,6$ 0 $8,359$ $2.325$ $19,440$ 2014 $6,163$ 125 $2,204$ $17,6$ 0 $8,359$ $2.325$ $19,440$ 2015 $6,169$ 125 $2,204$ $17,6$ 0 $8,366$ $2.325$ $19,440$ 2015 $6,169$ 125 $2,204$ $17,6$ 0 $8,366$ $2.325$ $19,465$ 2020 $6,198$ 125 $2,204$ $17,6$ 0 $8,412$ $2.325$ $19,465$ 2021 $6,198$ 126 $2,224$ $17,6$ 0 $8,412$ $2.325$ $19,465$ 2030 $6,256$ $127$ $2,235$ $17,6$ 0 $8,412$ $2.325$ $19,465$ 2030 $6,256$ $127$ $2,235$ $17,6$ 0 $8,412$ $2.325$ $19,465$ 2030 $6,256$ $127$ $2,235$ $17,6$ 0 $8,491$ $2.325$ $19,469$ 2030 $6,315$ $127$ $2,235$ $17,6$ 0 $8,491$ $2.325$ $19,469$ 2031 $6,315$ $127$ $2,235$ $17,6$ 0 $8,491$ $2.325$ $19,469$ 2040 $6,315$ $127$ $2,245$		2009	6,121	125	2,070	16.6	0	8,191	2.332	19,100	
2011 $6,156$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,435$ $2012$ $6,158$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,430$ $2013$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,431$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,431$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,372$ $2.325$ $19,465$ $2020$ $6,198$ $125$ $2,214$ $17,6$ $0$ $8,372$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2020$ $6,266$ $127$ $2,224$ $17,6$ $0$ $8,412$ $2.325$ $19,649$ $2030$ $6,286$ $127$ $2,235$ $17,6$ $0$ $8,412$ $2.325$ $19,649$ $2030$ $6,286$ $127$ $2,245$ $17,6$ $0$ $8,491$ $2.325$ $19,649$ $2040$ $6,315$ $128$ $2,245$ $17,6$ $0$ $8,531$ $2.325$ $19,649$ $2040$ $6,315$ $127$ $2,245$ $17,6$ $0$ $8,71$ $2.325$ $19,649$ $2040$ $6,315$ $128$ $2,245$ $17,6$ $0$ $8,71$ $2.325$ $19,741$		2010	6,139	125	2,204	17.6	0	8,343	2.325	19,397	
2012 $6,158$ $125$ $2,204$ $17,6$ $0$ $8,361$ $2.325$ $19,440$ $2013$ $6,155$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,434$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,451$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,372$ $2.325$ $19,451$ $2020$ $6,198$ $125$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2025$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2025$ $6,286$ $127$ $2,224$ $17,6$ $0$ $8,412$ $2.325$ $19,649$ $2030$ $6,286$ $127$ $2,235$ $17,6$ $0$ $8,491$ $2.325$ $19,649$ $2035$ $6,286$ $127$ $2,245$ $17,6$ $0$ $8,491$ $2.325$ $19,649$ $2040$ $6,315$ $128$ $2,245$ $17,6$ $0$ $8,531$ $2.325$ $19,834$		2011	6,156	125	2,204	17.6	0	8,359	2.325	19,435	
2013 $6,155$ $125$ $2,204$ $17,6$ $0$ $8,359$ $2.325$ $19,434$ $2014$ $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,465$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2025$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,649$ $2025$ $6,256$ $127$ $2,224$ $17,6$ $0$ $8,412$ $2.325$ $19,741$ $2030$ $6,256$ $127$ $2,235$ $17,6$ $0$ $8,491$ $2.325$ $19,741$ $2035$ $6,286$ $127$ $2,245$ $17,6$ $0$ $8,531$ $2.325$ $19,741$ $2040$ $6,315$ $128$ $2,256$ $17,6$ $0$ $8,571$ $2.325$ $19,741$	<	2012	6,158	125	2,204	17.6	0	8,361	2.325	19,440	<
2014 $6,163$ $125$ $2,204$ $17,6$ $0$ $8,366$ $2.325$ $19,451$ $2015$ $6,169$ $125$ $2,204$ $17,6$ $0$ $8,372$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,465$ $2025$ $6,198$ $126$ $2,214$ $17,6$ $0$ $8,412$ $2.325$ $19,649$ $2025$ $6,256$ $127$ $2,224$ $17,6$ $0$ $8,451$ $2.325$ $19,649$ $2030$ $6,256$ $127$ $2,235$ $17,6$ $0$ $8,491$ $2.325$ $19,649$ $2035$ $6,286$ $127$ $2,245$ $17,6$ $0$ $8,491$ $2.325$ $19,741$ $2040$ $6,315$ $128$ $2,256$ $17,6$ $0$ $8,571$ $2.325$ $19,781$	_	2013	6,155	125	2,204	17.6	0	8,359	2.325	19,434	
2015 $6,169$ $125$ $2,204$ $17,6$ $0$ $8,372$ $2.325$ $19,465$ $2020$ $6,198$ $126$ $2,214$ $17.6$ $0$ $8,412$ $2.325$ $19,649$ $2025$ $6,227$ $126$ $2,224$ $17.6$ $0$ $8,412$ $2.325$ $19,649$ $2030$ $6,256$ $127$ $2,235$ $17.6$ $0$ $8,491$ $2.325$ $19,649$ $2035$ $6,286$ $127$ $2,245$ $17.6$ $0$ $8,491$ $2.325$ $19,741$ $2040$ $6,315$ $128$ $2,256$ $17.6$ $0$ $8,571$ $2.325$ $19,834$	ACTUAL	2014	6,163	125	2,204	17.6	0	8,366	2.325	19,451	ACTUAL
6,198         126         2,214         17.6         0         8,412         2.325           6,227         126         2,224         17.6         0         8,451         2.325           6,256         127         2,235         17.6         0         8,491         2.325           6,286         127         2,245         17.6         0         8,491         2.325           6,286         127         2,245         17.6         0         8,531         2.325           6,315         128         2,256         17.6         0         8,571         2.325	ROJECTED	2015	6,169	125	2,204	17.6	0	8,372	2.325	19,465	PROJECTED
6,227         126         2,224         17.6         0         8,451         2.325           6,256         127         2,235         17.6         0         8,491         2.325           6,286         127         2,245         17.6         0         8,491         2.325           6,286         127         2,245         17.6         0         8,531         2.325           6,315         128         2,256         17.6         0         8,571         2.325	_	2020	6,198	126	2,214	17.6	0	8,412	2.325	19,557	
6,256         127         2,235         17.6         0         8,491         2.325           6,286         127         2,245         17.6         0         8,531         2.325           6,315         128         2,256         17.6         0         8,571         2.325	>	2025	6,227	126	2,224	17.6	0	8,451	2.325	19,649	>
6,286         127         2,245         17.6         0         8,531         2.325           6,315         128         2,256         17.6         0         8,571         2.325		2030	6,256	127	2,235	17.6	0	8,491	2.325	19,741	
6,315 128 2,256 17.6 0 8,571 2.325		2035	6,286	127	2,245	17.6	0	8,531	2.325	19,834	
		2040	6,315	128	2,256	17.6	0	8,571	2.325	19,928	

Notes: linear extrapolation used to estimated MFR-DU from 2000. Estimate extend until 2010 due to reclassification, afterwards a constant MFR Unit Density is used.

Population

## Blanusa, Danilo

From: Sent: To: Cc: Subject: Attachments:	Blanusa, Danilo Monday, August 24, 2015 1:36 PM 'Jay T. Spurgin (jspurgin@toaks.org)' Salzano, Tom; Bolzowski, Michael R.; Keck, Je Cal Water Urban Water Management Plan (UN Westlake District Letter to City Planning Officials - Attachmet - V	WMP) growth forecast for your review -
Tracking:	Recipient	Delivery
	'Jay T. Spurgin (jspurgin@toaks.org)'	
	Salzano, Tom	Delivered: 8/24/2015 1:36 PM
	Bolzowski, Michael R.	Delivered: 8/24/2015 1:36 PM
	Keck, Jonathan	Delivered: 8/24/2015 1:36 PM
	Varney, Douglas	Delivered: 8/24/2015 1:36 PM

### Dear Mr. Spurgin,

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 Westlake District provides water service to the City of Thousand Oaks.

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 <u>tsalzano@calwater.com</u>.

Thank you for your assistance in this effort.

Respectfully,

Thomas A. Salzano

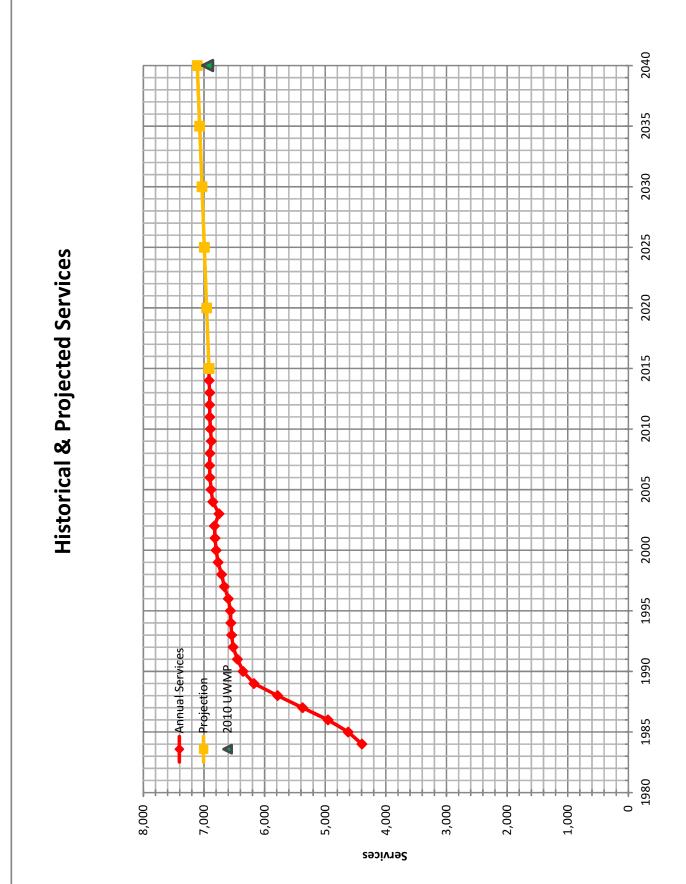
Thomas A. Salzano Water Resource Planning Supervisor

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



Attachment A (Sheet 1 of 2)

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Worksheet 8

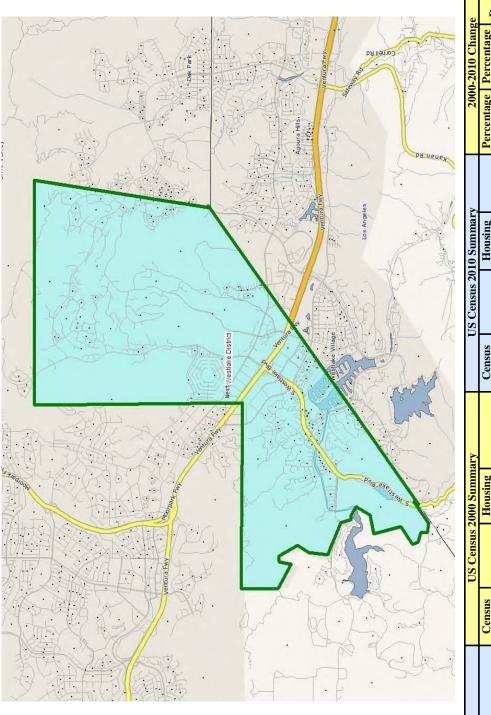
Attachment A (Sheet 2 of 2)

# California Water Service Company - Westlake District Water Supply and Demand Analysis and Projections Actual & Projected Annual Average Services

Customer		Selected Trand	Growth		Actual Services	rvices				Projected Services	ervices		
Calegory		perected 1 tella	Rate	2000	2005	2010	2015	2015	2020	2025	2030	2035	2040
SFR	SFR_B	5 Yr. Avg.	%60.0	6,116	6,134	6,139	6,169	6,169	6,198	6,227	6,256	6,286	6,315
MFR	MFR_B	SFR 5 Yr. Avg.	0.09%	65	65	125	125	125	126	126	127	127	128
COM	COM_D	COM_D 15 Yr. Avg.	0.28%	510	576	536	527	527	535	542	550	557	565
IND	IND_A	Zero Growth Rate	0.00%	14	15	0	0	0	0	0	0	0	0
GOV	GOV_C	GOV_C 10 Yr. Avg.	0.23%	84	87	89	89	89	06	91	92	93	94
OTH	OTH_E	OTH_E 20 Yr. Avg.	0.02%	6	9	5	8	8	8	8	8	8	8
TOTAL	Average	Average growth rate 2011-2040	0.11%	6,798	6,883	6,895	6,918	6,918	6,956	6,994	7,032	7,071	7,110

Serv Proj

California Water Service Company - Westlake District Water Supply and Demand Analysis and Projections MarPlot Summary



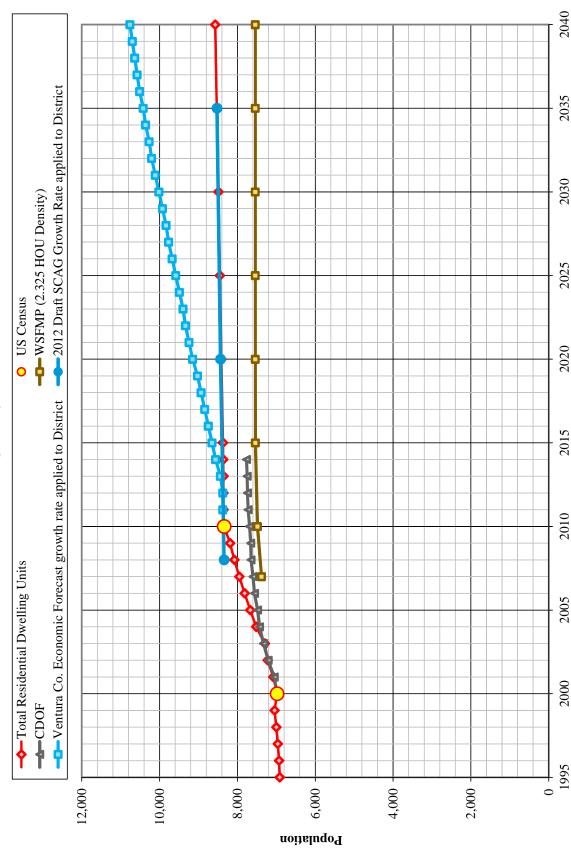
	Dancity	Change	CIIAIIge	97.1%	97.1%	
2000-2010 Change	Percentage	НU	Change	119.5%	119.5%	
2000	Percentage	Population	Change	116.0%	116.0%	
7		Density		2.32	2.32	
10 Summary	Housing	Units	(HU)	8,343	8,343	
<b>US Census 2010 Summa</b>		Population		19,397	19,397	
	Census	Tract	Blocks	133	133	
ary		Density		2.39	2.39	
Census 2000 Summar	Housing	Units	(HU)	6,982	6,982	
<b>US Census</b> 2		Population		16,717	16,717	
	Census	Tract	Blocks	111	111	
		System		Westlake		

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 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 object. selected objects.

Marplot Summary

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Housing Projections

WLK PAWS 2014

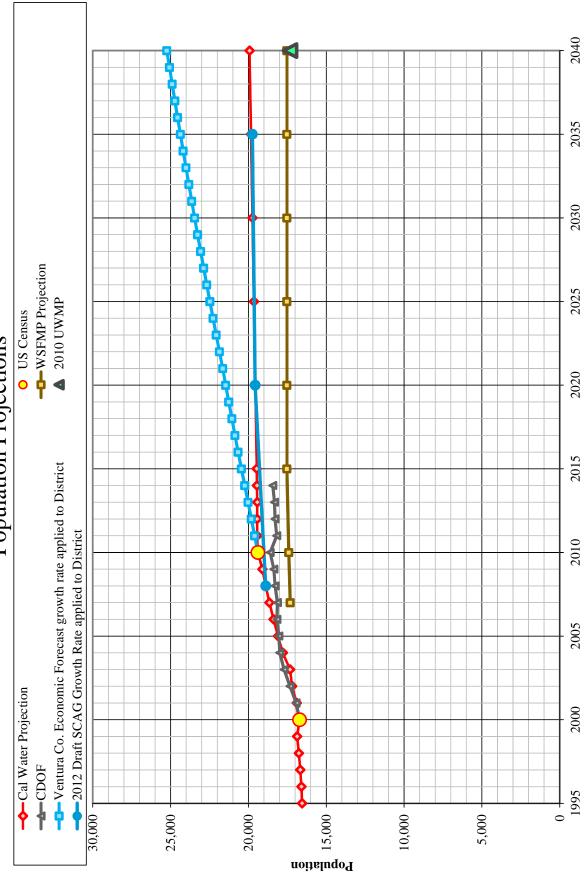
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Year





POP



POP

Year

Worksheet 14

# California Water Service Company - Westlake District Water Supply and Demand Analysis and Projections Population Estimate

Ectimated		$T_{\alpha \pm \alpha}$	Elat Data	atiol	Multi Eamily Dasidantial	i+lN	Cincle Lemily	
0.0%	32.4%	154.6%	92.3%	0.4%	-2.9%	19.5%	16.0%	
0	17.6	2,204	125	6,139	2.325	8,343	19,397	2010
0	13.3	866	65	6,116	2.394	6,982	16,717	2000
Services (DU)	Density	Units (DU)	Services	Services (DU)	TIO SIIISDOTT	Housing Units	Population	Year
Residential	Unit	Residential		Residential	I CISUIS PCI			
Flat Rate	ntial	Multi Family Residential	Mı	Single Family	Darcone nar	ensus	US C	

I6.0%         19.5%           Single Family         Multi Far           Residential         Services         Nulti Far           Services (DU)         6,048         65         0           6,048         6,048         65         10           6,048         6,007         65         10           6,048         6,031         65         6           6,117         65         6         6           6,117         65         6         6           6,117         65         6         6           6,117         65         6         100           6,121         125         6         126           6,139         125         6,126         125           6,169         125         6,158         125           6,169         125         6,169         125           6,169         125         6,169         125           6,198         125         6,169         125           6,198         126         125         6,169           6,198         125         6,169         125           6,198         125         6,126         125         126	1			i i		101					
Single Family       Single Family         Residential       Residential         Year       Services (DU)         1995       6,048       65         1995       6,048       65         1997       6,048       65         1997       6,037       65         1999       6,116       65         1999       6,116       65         2001       6,117       65         2002       6,117       65         2003       6,117       65         2004       6,117       65         2005       6,147       65         2006       6,147       65         2007       6,147       65         2008       6,147       65         2009       6,134       65         2001       6,134       65         2003       6,134       65         2004       6,147       65         2005       6,147       65         2008       6,149       100         2009       6,149       125         2010       6,134       6,155         2013       6,155       125         <			16.0%	19.5%	-2.9%	0.4%	92.3%	154.6%	32.4%	0.0%	
Single Family Residential         Services (DU)           Year         Services (DU)         Services           1995 $6,048$ $65$ 1995 $6,048$ $65$ 1996 $6,048$ $65$ 1997 $6,097$ $65$ 1997 $6,097$ $65$ 1998 $6,116$ $65$ 1999 $6,116$ $65$ 2001 $6,079$ $65$ 2001 $6,117$ $65$ 2002 $6,117$ $65$ 2003 $6,117$ $65$ 2004 $6,117$ $65$ 2005 $6,134$ $61$ 2006 $6,147$ $65$ 2007 $6,149$ $1100$ 2008 $6,121$ $125$ 2009 $6,134$ $612$ 2010 $6,134$ $612$ 2011 $6,134$ $125$ 2012 $6,155$ $125$ 2014 $6,155$ $125$ </th <th></th>											
Residential YearResidential Services (DU)Services $6,048$ Services $6,048$ Services $6,048$ 1995 $6,048$ $6,048$ $65$ $6,065$ $65$ 1996 $6,007$ $6,097$ $65$ $65$ $6,097$ $65$ 1999 $6,134$ $65$ $6,097$ $65$ $6,090$ $65$ 2001 $6,019$ $6,117$ $65$ $6,031$ $65$ $6,031$ $65$ 2002 $6,031$ $6,031$ $6,147$ $65$ $6,147$ $65$ $6,147$ 2003 $6,117$ $6,134$ $65$ $6,149$ $100$ $65$ $6,149$ $100$ 2003 $6,149$ $6,149$ $6,121$ $125$ $125$ $125$ $125$ $125$ 2010 $6,139$ $6,158$ $125$ $126$ $125$ $126$ $126$ $126$ $126$ $125$ $126$ <th>[</th> <th></th> <th>Single Family</th> <th>Multi</th> <th>Family Residen</th> <th>utial</th> <th>Flat Rate</th> <th>Total</th> <th>Domona non</th> <th>Estimated</th> <th></th>	[		Single Family	Multi	Family Residen	utial	Flat Rate	Total	Domona non	Estimated	
YearServices (DU)Services (DU)1995 $6,048$ $65$ $65$ 1996 $6,065$ $6,065$ $65$ 1997 $6,007$ $65$ $65$ 1998 $6,134$ $65$ $65$ 1999 $6,116$ $65$ $65$ 2001 $6,019$ $6,019$ $65$ 2002 $6,090$ $6,117$ $65$ 2003 $6,031$ $6,147$ $65$ 2004 $6,117$ $65$ $6,147$ 2005 $6,031$ $6,147$ $65$ 2006 $6,147$ $65$ $6,142$ 2007 $6,149$ $100$ $65$ 2008 $6,121$ $125$ $125$ 2010 $6,134$ $6,139$ $125$ 2011 $6,156$ $125$ $125$ 2012 $6,158$ $125$ $125$ 2013 $6,169$ $125$ $125$ 2014 $6,169$ $125$ $125$ 2015 $6,169$ $125$ $125$ 2015 $6,169$ $125$ $126$ 2015 $6,169$ $125$ $126$ 2015 $6,169$ $126$ $126$ 2015 $6,198$ $126$ $126$			Residential	Services	Residential	Unit	Residential	Residential	Leisous per	District	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Year	Services (DU)		Units (DU)	Density	Services (DU)	<b>Dwelling Units</b>	nousing Ome	Population	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1995	6,048	65	866	13.3	0	6,913	2.394	16,553	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1996	6,065	65	866	13.3	0	6,930	2.394	16,593	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1997	6,097	65	866	13.3	0	6,963	2.394	16,671	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1998	6,134	65	866	13.3	0	6,999	2.394	16,758	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1999	6,181	65	866	13.3	0	7,047	2.394	16,872	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		2000	6,116	65	866	13.3	0	6,982	2.394	16,717	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		2001	6,079	65	666	15.4	0	7,079	2.387	16,899	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		2002	6,090	65	1,133	17.4	0	7,223	2.380	17,195	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		2003	6,031	64	1,267	19.8	0	7,298	2.373	17,322	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		2004	6,117	65	1,401	21.6	0	7,517	2.367	17,790	
2006     6,147     65       2007     6,149     100       2008     6,149     100       2009     6,139     125       2010     6,139     125       2011     6,156     125       2013     6,156     125       2013     6,158     125       2014     6,163     125       2015     6,163     125       2016     6,198     125       2013     6,163     125       2014     6,163     125       2015     6,169     125       2015     6,198     125       2020     6,198     126		2005	6,134	65	1,535	23.6	0	7,669	2.360	18,096	
2007     6,149     100       2008     6,142     120       2009     6,132     125       2010     6,139     125       2011     6,156     125       2012     6,158     125       2013     6,158     125       2014     6,163     125       2015     6,169     125       2016     6,198     125       2013     6,169     125       2014     6,169     125       2015     6,198     126       2015     6,198     126		2006	6,147	65	1,668	25.7	0	7,815	2.353	18,387	
2008     6,142     120       2009     6,121     125       2010     6,139     125       2011     6,156     125       2012     6,156     125       2013     6,155     125       2014     6,163     125       2015     6,163     125       2015     6,169     125       2020     6,198     126       2025     6,227     126		2007	6,149	100	1,802	18.0	0	7,951	2.346	18,651	
2009     6,121     125       2010     6,139     125       2011     6,156     125       2012     6,158     125       2013     6,153     125       2014     6,163     125       2015     6,169     125       2015     6,169     125       2020     6,198     126		2008	6,142	120	1,936	16.1	0	8,077	2.339	18,892	
2010         6,139         125           2011         6,156         125           2012         6,158         125           2013         6,155         125           2014         6,163         125           2015         6,163         125           2014         6,169         125           2020         6,198         126           2025         6,227         126		2009	6,121	125	2,070	16.6	0	8,191	2.332	19,100	
2011     6,156     125       2012     6,158     125       2012     6,158     125       2013     6,155     125       2014     6,163     125       2015     6,169     125       2020     6,198     126       2025     6,227     126		2010	6,139	125	2,204	17.6	0	8,343	2.325	19,397	
2012     6,158     125       2013     6,155     125       2014     6,163     125       2015     6,169     125       2020     6,198     126       2025     6,227     126		2011	6,156	125	2,204	17.6	0	8,359	2.325	19,435	
2013     6,155     125       2014     6,163     125       2015     6,169     125       2020     6,198     126       2025     6,227     126	<	2012	6,158	125	2,204	17.6	0	8,361	2.325	19,440	<
2014         6,163         125           2015         6,169         125           2020         6,198         126           2025         6,227         126	_	2013	6,155	125	2,204	17.6	0	8,359	2.325	19,434	
2015         6,169         125           2020         6,198         126           2025         6,227         126	CTUAL	2014	6,163	125	2,204	17.6	0	8,366	2.325	19,451	ACTUAL
6,198 126 6.227 126	OJECTED	2015	6,169	125	2,204	17.6	0	8,372	2.325	19,465	PROJECTED
6.227 126	_	2020	6,198	126	2,214	17.6	0	8,412	2.325	19,557	
	>	2025	6,227	126	2,224	17.6	0	8,451	2.325	19,649	>
2030 6,256 127 2,235		2030	6,256	127	2,235	17.6	0	8,491	2.325	19,741	
2035 6,286 127 2,245		2035	6,286	127	2,245	17.6	0	8,531	2.325	19,834	
2040 6,315 128 2,256		2040	6,315	128	2,256	17.6	0	8,571	2.325	19,928	

### Blanusa, Danilo

From: Sent: To: Cc: Subject:	Bradley Bussell <bbussell@toaks.org> Friday, September 04, 2015 11:52 AM Salzano, Tom Blanusa, Danilo; Bolzowski, Michael R.; Shahamiri, Shamir; Spurgin, Jay RE: Fwd: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Westlake District</bbussell@toaks.org>
Follow Up Flag: Flag Status:	Follow up Flagged
Categories:	Blue Category

Tom,

If you're looking for an exact number of future service connections, I don't believe we can provide you with that number. The only data we can provide is an acreage of undeveloped land, that has the potential for development, or areas of potential developed land that may be redeveloped to a higher density. We use our Water Master Plan to provide a future water consumption based on the type of development. If you want we can have a conference call next week with our planning department to clarify the type of data your looking for.

--brad--

Brad Bussell, PE, MPPA Associate Civil Engineer City of Thousand Oaks Phone: (805)449-2423 bbussell@toaks.org



Brad,

I don't think that the table you attached will be of much to us since we do not have a way to equate the increase in developed acreage to customer service connections. Thanks for your suggestion though. 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: Bradley Bussell [mailto:BBussell@toaks.org]
Sent: Monday, August 31, 2015 12:06 PM
To: Salzano, Tom
Cc: Shahamiri, Shamir; Spurgin, Jay
Subject: Re: Fwd: Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Westlake District

Thomas,

I've discussed your request with the City's Planning Department, and I believe we can provide you with projected future projects by land use. I've attached a copy of the City's future water demands by land use, which was

incorporated in our 2010 UWMP. Before I ask them to prepare the data, please review the table and let me know if this is what you are looking for.

Brad Bussell, PE, MPPA Associate Civil Engineer City of Thousand Oaks Phone: (805)449-2423 bbussell@toaks.org



From:	"Blanusa, Danilo" < <u>dblanusa@calwater.com</u> >
To:	"Jay T. Spurgin (jspurgin@toaks.org)" <jspurgin@toaks.org></jspurgin@toaks.org>
CC:	"Salzano, Tom" < <u>TSalzano@calwater.com</u> >, "Bolzowski, Michael R." < <u>mbolzowski@calwater.com</u> >, "Keck, Jonathan" < <u>jkeck@calwater.com</u> >, "Varney,Douglas" < <u>DVarney@calwater.com</u> >
Date:	8/24/2015 1:36 PM
Subject:	Cal Water Urban Water Management Plan (UWMP) growth forecast for your review - Westlake District

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Dear Mr. Spurgin,
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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 Westlake District provides water service to the City of Thousand Oaks.

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 <u>tsalzano@calwater.com</u>.

Thank you for your assistance in this effort.

Respectfully,

Thomas a. Salzano

Thomas A. Salzano Water Resource Planning Supervisor





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# **Appendix C: Correspondences**

• UWMP Public Draft Comments

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