

5 SB X7-7 Baselines and Targets

5.1 WATER CONSERVATION BILL OF 2009 - BASELINES AND TARGETS

Urban Water Management Planning Act Requirement:

10608.20(e) An urban retail water supplier shall include in its urban water management plan ... due in 2010 the baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.

In order to improve the Sacramento-San Joaquin Delta, in 2008 Governor Schwarzenegger directed State water agencies to develop a plan to achieve a twenty percent per capita water use reduction by the year 2020. The Water Conservation Act of 2009 (Senate Bill X7-7), passed in November 2009, provided the legislative framework to implement the conservation goals, and required retail water suppliers to detail their strategy for achieving the reduction requirement in their 2010 Urban Water Management Plan Updates. For 2015, water agencies may update their 2020 Target and may change the target method from the one used in 2010. The Urban Water Management Planning Act and SB X7-7 can be found in Appendices C and D of this document, respectively.

Explicit methodologies were developed by the California Department of Water Resources (DWR) to assist retail water suppliers in complying with the Water Conservation Act of 2009, and they are detailed in the technical document, *Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use*, DWR, February 2016. The Triunfo Sanitation District/Oak Park Water Service (District) utilized the DWR methods when determining its baseline, interim, and water use target values (20x2020 targets), the steps of which are described in detail in the *Methodologies* document, Appendix K. A summary of the calculations is provided in DWR's SB X7-7 Verification Form, Appendix J.

Water suppliers are given the option of determining their 20x2020 target values either individually, or through a regional alliance. The District elected not to join a regional alliance, and has determined its baseline and target values individually.

For the 2015 UWMP Update, DWR determined that significant discrepancies existed between the Department of Finance (DOF) projected populations for 2010 (based on 2000 U.S. Census data) and actual populations for 2010, based on 2010 U.S. Census data (released in 2012). Therefore, the District recalculated its baseline population numbers for years 1997 – 2006 during the 2015 UWMP Update using 2000 and 2010 Census data in conjunction with 2011 Ventura County population/dwelling unit data. A summary of the revised baselines and targets is provided in Table 5.1.1.

Table 5.1.1: Baselines and Targets Summary

Baseline Period	Start Year	End Year	Average Baseline GPCD*	2015 Interim Target *	Confirmed 2020 Target*
10-15 year	1997	2006	229	206	183
5 Year	2003	2007	233		

Note: All values are in Gallons per Capita per Day (GPCD)

Compliance Year 2015 – Interim Water Use Target

Table 5.1.2 on the following page summarizes the District’s compliance year 2015 water use, which illustrates that the District has met its 2015 Interim Target and is currently on track to achieve its 2020 target.

Table 5.1.2: 2015 Compliance - Optional Adjustments to 2015 GPCD

Actual 2015 GPCD*	2015 Interim Target GPCD*	Extraordinary Events*	Economic Adjustment*	Weather Normalization*	TOTAL Adjustments*	Adjusted 2015 GPCD*	2015 GPCD* (Adjusted if applicable)	Did Supplier Achieve Targeted Reduction for 2015? Y/N
158	206	0	0	0	0	158	158	Yes

Note: All values are in Gallons per Capita per Day (GPCD)

Note: GPCD values are in terms of CUWCC projections 2018/2020. The values used are gross/collective values and not adjusted for percent residential (89%).

Note: Values were determined utilizing the Methodology 8 document