

# 3

## SYSTEM DEMANDS

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### 3.1 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, provides the legislative framework to implement the conservation goals, and requires retail water suppliers to detail their strategy for achieving the reduction requirement in their 2010 Urban Water Management Plan Updates. The Urban Water Management Planning Act and SBx7-7 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." The City of Paramount utilized the DWR methods when determining its baseline, interim, and water use target values, the steps of which are described in detail in the following sections.

The methodologies laid out by DWR instruct urban water suppliers to determine their baseline and target water use values through performing four main steps, which are as follows:

- Step 1: Determine Base Daily Per Capita Water Use
- Step 2: Determine Urban Water Use Target
- Step 3: Compare Urban Water Use Target to the 5-year Baseline (verification of 95% minimum reduction requirement)

- Step 4: Determine Interim Urban Water Use Target

Water suppliers are given the option of determining their 20x2020 target values either individually, or through a regional alliance. The City of Paramount is part of the Los Angeles Gateway Region that has formed a regional alliance, and has thus determined its baseline and target values both individually and as part of the alliance.

### **3.1.1 Step 1: Determine Base Daily Per Capita Water Use**

Baseline daily per capita water use is defined as an urban water supplier's estimate of its average gross water use, reported in gallons per capita per day (GPCD) and calculated over a continuous base period.

#### *Steps 1A – 1C: Determine Supplier 10- to 15-year, and 5-year Base Periods*

Urban retail water suppliers are required to choose a continuous, 10-year baseline period ending no earlier than December 31, 2004 and no later than December 31, 2010 when determining Base Daily Per Capita Water Use. The option to extend the baseline to a 15-year period is given to water suppliers if recycled water accounts for at least 10 percent of their 2008 retail water deliveries. The City of Paramount's recycled water deliveries were approximately five percent of its 2008 total, and therefore a 10-year baseline period was chosen; July 1<sup>st</sup>, 2000 through June 30<sup>th</sup>, 2010.

The 5-year baseline period is used to determine the retail water supplier's minimum water use reduction, and the period must end no earlier than December 31<sup>st</sup>, 2007 and no later than December 31<sup>st</sup>, 2010. July 1<sup>st</sup>, 2003 through June 30<sup>th</sup>, 2008 was chosen as the 5-year baseline period for the City of Paramount. Table 3.1.1 summarizes the City of Paramount's baseline period selections.

<b>Table 3.1.1 Base Period Ranges</b>			
<b>Base</b>	<b>Parameter</b>	<b>Value</b>	<b>Units</b>
10- to 15- year base period	2008 total water deliveries	7,501	acre-ft
	2008 total volume of delivered recycled water	394.5	acre-ft
	2008 recycled water as a percent of total deliveries	5.26%	percent
	Number of years in base period	10	years
	Fiscal Year beginning base period range	2001	
	Fiscal Year ending base period range	2010	
5-year base period	Number of years in base period	5	years
	Fiscal Year beginning base period range	2004	
	Fiscal Year ending base period range	2008	

Units: acre-feet per year

**Steps 1D – 1E: Estimate Service Area Population**

The City of Paramount Water Department’s service area encompasses more than 95% of the City’s limits. Therefore, the California Department of Finance (DOF) E-4 Population Estimates for the City of Paramount were used to estimate the service area’s total population for the baseline years (2001 – 2010).

**Step 1F: Calculate Gross Water Use**

The City of Paramount receives potable water from two sources; imported water, purchased through the Central Basin Municipal Water District (CBMWD), and groundwater, extracted via a series of wells. Recycled water is used exclusively for irrigation and industrial purposes, and was therefore excluded from the gross water use calculations. Total annual volumes (reported for each fiscal year) of groundwater and imported water entering the City’s distribution system were obtained from the Central Basin’s Watermaster Service Reports. A summary of the calculations, highlighting the steps described in DWR’s guidance document, is shown in Table 3.1.2.

<b>Table 3.1.2</b>												
<b>Gross Water Use Calculations</b>												
<b>Utility Name: City of Paramount</b>			12-month period from: 1-Jul to 30-Jun					Volume Units: Million Gallons				
			<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
1	Volume from Own Sources (raw data)		1458	1465	1056	1798	1379	1670	1000	1362	1607	1366
2	Volume from Imported Sources (raw data)		887	933	1409	736	819	791	1434	1082	758	820
<b>3</b>	<b>Total Volume Into Distribution System = Line 1 + Line 2</b>		<b>2346</b>	<b>2398</b>	<b>2464</b>	<b>2534</b>	<b>2198</b>	<b>2461</b>	<b>2434</b>	<b>2444</b>	<b>2365</b>	<b>2187</b>
4	Volume Exported to Other Utilities (raw data)		-	-	-	-	-	-	-	-	-	-
5	Change in Distribution System Storage (+/-)		-	-	-	-	-	-	-	-	-	-
<b>6</b>	<b>Gross Water Use Before Indirect Recycled Water Use Deductions = Line 3 - Line 4 - Line 5</b>		<b>2346</b>	<b>2398</b>	<b>2464</b>	<b>2534</b>	<b>2198</b>	<b>2461</b>	<b>2434</b>	<b>2444</b>	<b>2365</b>	<b>2187</b>
7	Indirect Recycled Water Use Deduction		-	-	-	-	-	-	-	-	-	-
<b>8</b>	<b>Gross Water Use After Indirect Recycled Water Use Deductions = Line 6 - Line 7</b>		<b>2346</b>	<b>2398</b>	<b>2464</b>	<b>2534</b>	<b>2198</b>	<b>2461</b>	<b>2434</b>	<b>2444</b>	<b>2365</b>	<b>2187</b>
9	Water Delivered for Agricultural Use (optional deduction)		-	-	-	-	-	-	-	-	-	-
10	Process Water Use (optional deduction)		-	-	-	-	-	-	-	-	-	-
<b>11</b>	<b>Gross Water Use After Optional Deductions</b>		<b>2346</b>	<b>2398</b>	<b>2464</b>	<b>2534</b>	<b>2198</b>	<b>2461</b>	<b>2434</b>	<b>2444</b>	<b>2365</b>	<b>2187</b>

*Steps 1G – 1I: Determine Annual and Base Daily Per Capita Water Use*

Annual daily per capita water use for the City of Paramount was estimated by dividing the gross water use by the service area’s total population for each year of the baseline period. The average of these values over the 10-year baseline was then determined, giving the Base Daily Per Capita Water Use for the City of Paramount; **114 GPCD**.

Table 3.1.3 summarizes the data used to determine the City’s Base Daily Per Capita Water Use.

<b>Table 3.1.3</b>				
<b>Base Daily Per Capita Water Use — 10-Year Range</b>				
<b>Base period year</b>		<b>Distribution System Population</b>	<b>Daily System Gross Water Use (MGD)</b>	<b>Annual Daily Per Capita Water Use (GPCD)</b>
<b>Sequence Year</b>	<b>Fiscal Year Ending</b>			
Year 1	2001	55,929	6.43	115
Year 2	2002	56,663	6.57	116
Year 3	2003	57,210	6.75	118
Year 4	2004	57,577	6.94	121
Year 5	2005	57,723	6.02	104
Year 6	2006	57,626	6.74	117
Year 7	2007	57,601	6.67	116
Year 8	2008	57,638	6.70	116
Year 9	2009	57,874	6.48	112
Year 10	2010	57,989	5.99	103
<b>Base Daily Per Capita Water Use</b>				<b>114</b>

**3.1.2 Determine Urban Water Use Target**

The Water Conservation Act of 2009 provides the retail water supplier the choice of four methods for determining the urban water use target value. The four methods are:

- Method 1: 80% of Base Daily Per Capita Water Use Value
- Method 2: Performance Standards
- Method 3: 95% of the Hydrologic Region 2020 Target Value
- Method 4: Water Savings (developed by DWR)

The City of Paramount decided upon Method 3 for determining its water use reduction target, as

it provides a goal that is most appropriate for the City’s future plans. Paramount is located in the South Coast hydrologic region, which was assigned a 149 GPCD water use target. Ninety five percent of the region’s target, or **142 GPCD**, was therefore chosen as the City of Paramount’s Urban Water Use Target.

**3.1.3 Confirm Urban Water Use Target**

The Water Conservation Act of 2009 sets a minimum reduction requirement the water supplier’s urban water use target must meet or exceed. The minimum reduction is defined as 95 percent of the 5-year baseline period’s Base Daily Per Capita Water Use. Table 3.1.4 provides a summary of the 5-year baseline calculations.

<b>Table 3.1.4</b>				
<b>Base Daily Per Capita Water Use — 5-Year Range</b>				
<b>Base period year</b>		<b>Distribution System Population</b>	<b>Daily system gross water use (mgd)</b>	<b>Annual daily per capita water use (gpcd)</b>
<b>Sequence Year</b>	<b>Fiscal Year Ending</b>			
Year 1	2004	57,577	6.94	121
Year 2	2005	57,723	6.02	104
Year 3	2006	57,626	6.74	117
Year 4	2007	57,601	6.67	116
Year 5	2008	57,638	6.70	116
<b>Base Daily Per Capita Water Use</b>				<b>115</b>

The urban water use target of 142 GPCD calculated by Method 3 does not meet the minimum reduction requirement of **109 GPCD** (95% of the 5-year Base Daily Per Capita Water Use), and it was therefore replaced by the minimum reduction water use value as the City’s Urban Water Use Target. The City’s final Urban Water Use Target Value is **109 GPCD**.

**3.1.4 Determine Interim Urban Water Use Target**

The interim urban water use target is defined as the water use goal the water supplier is to achieve and report in the 2015 UWMP Update, and equals half of the target 2020 reduction. The interim urban water use target for the City of Paramount is **112 GPCD**.

### 3.1.5 Regional Alliance Calculations

The City of Paramount is part of the Los Angeles Gateway Region Integrated Water Management Authority that has formed a 20x2020 regional alliance to meet water conservation requirements. Additional members of the alliance include the Bellflower-Somerset Mutual Water Company; Bell Gardens, Cerritos, Downey, Huntington Park, Lakewood, Long Beach, Lynwood, Norwalk, Paramount, Pico Rivera, Pico Water District, Santa Fe Springs, Signal Hill, South Gate, Vernon, and Whittier.

The “Gateway Regional Water Conservation Alliance Report” is located in Appendix C of this report and includes all calculations performed on a regional basis. Based upon these calculations the regional interim target in 2015 is **108.2 GPCD** and the target for 2020 compliance is **103.1 GPCD**.

## 3.2 WATER DEMANDS

**Urban Water Management Planning Act Requirement:**

*10608.20(e)(1)&(2) Quantify, to the extent records are available, past and current water use, and projected water use (over the same five-year increments described in subdivision (a)), identifying the uses among water use sectors, including, but not necessarily limited to, all of the following uses: (A) Single-family residential; (B) Multifamily; (C) Commercial; (D) Industrial; (E) Institutional and governmental; (F) Landscape; (G) Sales to other agencies; (H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof; (I) Agricultural.*

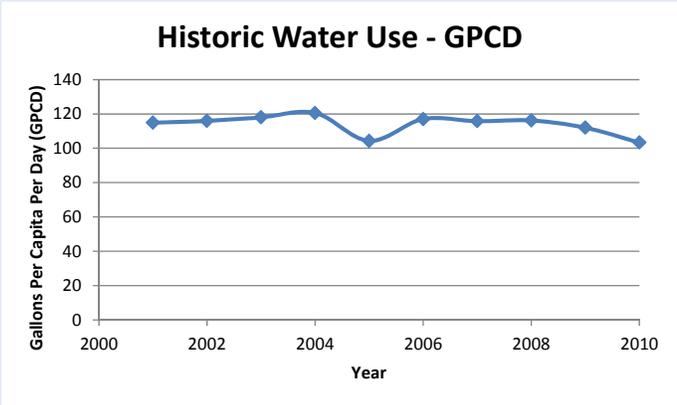
### 3.2.1 Historic Water Use

The City of Paramount’s Water System currently serves approximately 58,000 people within its service area. With the City being almost completely built-out, significant growth or increase in water demands are not anticipated in future years.

Key factors that affect water demands are; population growth, increases in land

use development, industrial growth and reductions in annual rainfall. For the City of Paramount, population and rainfall exhibit the greatest influence. Usage of water per capita day has remained relatively stable throughout the past ten years, as shown in Figure 3.2.1. Consumption has ranged from a low 103 GPCD in 2010 to a maximum of 121 GPCD in 2004. The average use per day during the period from 2001 through 2010 was 114 gallons per person.

**Figure 3.2.1 – Historic Water Use**



<b>Fiscal Year</b>	<b>Gross Water Use (MGY)</b>	<b>Population</b>	<b>Usage Per Capita Day (GPCD)</b>
<b>2001</b>	2,346	55,929	115
<b>2002</b>	2,398	56,663	116
<b>2003</b>	2,464	57,210	118
<b>2004</b>	2,534	57,577	121
<b>2005</b>	2,198	57,723	104
<b>2006</b>	2,461	57,626	117
<b>2007</b>	2,434	57,601	116
<b>2008</b>	2,444	57,638	116
<b>2009</b>	2,365	57,874	112
<b>2010</b>	2,187	57,989	103

The City of Paramount's past water use and number of customer connections for the 2005 calendar year are shown in Table 3.2.2, separated by water use sector.

<b>Water Use Sectors</b>	<b>2005</b>				
	<b>Metered</b>		<b>Not Metered</b>		<b>Total</b>
	<b># of Accounts</b>	<b>Volume</b>	<b># of Accounts</b>	<b>Volume</b>	<b>Volume</b>
Single family	4,602	2,089	0	0	2,089
Multi-family	1,664	2,933	0	0	2,933
Commercial	504	827	0	0	827
Industrial	596	1,267	0	0	1,267
Institutional/governmental	0	0	0	0	0
Landscape	502	519	0	0	519
Agriculture	0	0	0	0	0
Other	0	0	0	0	0
<b>Total</b>	<b>7,868</b>	<b>7,635</b>	<b>0</b>	<b>0</b>	<b>7,635</b>

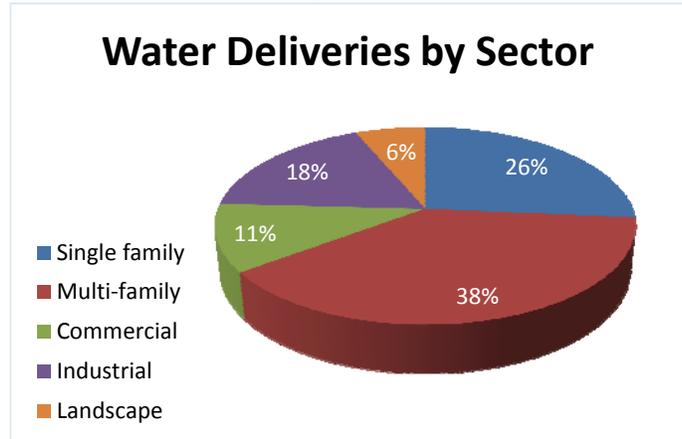
Units: acre-feet per year

### 3.2.2 Current and Projected Water Use by Sector

In 2010, the City used 6,177 acre-feet of water, as measured by metered sales and reported in the City's Public Water System Statistics (PWSS) annual filings. Average water deliveries, shown in Figure 3.2.2, are broken down into the following sectors:

- Single Family Residential
- Multi-Family Residential
- Commercial
- Industrial
- Landscape

Figure 3.2.2 –Water Deliveries



The number of connections and water use are projected for the next 20 years, in five year increments, and are broken down by sector. The future estimations of water use and connections (by sector) are extrapolated based on the current (2010) values, anticipated population growth, and the Interim (2015) and Final (2020) Target Water Use Reduction Goals.

#### *Residential Sector*

As Tables 3.2.3 – 3.2.6 indicate, the majority of the water demand in the community will continue to be in the residential sector. Due to the lack of available space, the City of Paramount does not have plans for new residential development in the near future. In the next 20 years, some form of residential redevelopment may occur; however, such development is not expected to place a heavy demand on the City's water supply. Additionally, reclaimed water use is not expected to expand to the residential sector during the planning period.

#### *Commercial Sector*

Commercial water demand has remained fairly stable over the past few years. Since 2005, commercial development requires developers to estimate water use for landscape irrigation. Water Conservation in Landscaping Ordinance No. 825 of the Paramount Municipal Code requires that contractors complete a water use audit, which includes the designation of low water use plants and water conserving sprinklers. If the development is located within 150 feet of a public reclaimed water distribution system, the contractor will be required to connect to it for landscape irrigation. Current and projected water demands for the City's commercial sector are shown in Tables 3.2.3 – 3.2.6.

*Industrial Sector*

Industrial water demand has also remained fairly stable over the past few years. Similar to residential development, no new form of large industrial development is anticipated in the near future that will increase industrial water demand. However, should a large form of industrial redevelopment occur, it would likely occur in the City’s “industrial belt” located on and around Garfield Avenue. Fortunately, this “industrial belt” is parallel to CBMWD’s reclaimed water distribution line in the City. The City would encourage any new form of industrial development to connect to this reclaimed line, thereby relieving any large demand on the City’s potable water supply. Additionally, opportunities to connect existing industrial customers, such as the Paramount Refinery, to the reclaimed water line are available, and may reduce the potable water demand of the sector during the planning horizon of the UWMP.

*Institutional / Governmental Sector*

The City of Paramount does not have any institutional / governmental connections.

*Landscape Sector*

The current and projected water demands for landscape irrigation are shown in Tables 3.2.3 – 3.2.6. Consistent with the Water Conservation in Landscaping Ordinance No. 825 discussed in the Commercial Sector above, current landscaping water demand has fallen below past (2005) levels. Additionally, the CBMWD has expressed interest to the City in expanding the recycled water system to connect other landscape and industrial customers.

*Agricultural Sector*

The City of Paramount does not provide potable water for agricultural uses. However, there are currently four customers receiving recycled water for agricultural purposes.

<b>Table 3.2.3</b>					
<b>Water Deliveries — Actual, 2010</b>					
	<b>2010</b>				
	<b>Metered</b>		<b>Not metered</b>		<b>Total</b>
<b>Water use sectors</b>	<b># of accounts</b>	<b>Volume</b>	<b># of accounts</b>	<b>Volume</b>	<b>Volume</b>
Single family	4,386	1,631	0	0	1,631
Multi-family	1,629	2,372	0	0	2,372
Commercial	525	680	0	0	680
Industrial	545	1,101	0	0	1,101
Institutional/governmental	0	0	0	0	0
Landscape	238	393	0	0	393
Agriculture	0	0	0	0	0
Other	0	0	0	0	0
<b>Total</b>	<b>7,323</b>	<b>6,177</b>	<b>0</b>	<b>0</b>	<b>6,177</b>

Units: acre-feet per year

<b>Table 3.2.4</b>					
<b>Water Deliveries — Projected, 2015</b>					
	<b>2015</b>				
	<b>Metered</b>		<b>Not metered</b>		<b>Total</b>
<b>Water use sectors</b>	<b># of accounts</b>	<b>Volume</b>	<b># of accounts</b>	<b>Volume</b>	<b>Volume</b>
Single family	4,493	1,921	0	0	1,921
Multi-family	1,669	2,794	0	0	2,794
Commercial	538	802	0	0	802
Industrial	558	1,297	0	0	1,297
Institutional/governmental	0	0	0	0	0
Landscape	244	463	0	0	463
Agriculture	0	0	0	0	0
Other	0	0	0	0	0
<b>Total</b>	<b>7,501</b>	<b>7,277</b>	<b>0</b>	<b>0</b>	<b>7,277</b>

Units: acre-feet per year

<b>Table 3.2.5</b>					
<b>Water Deliveries — Projected, 2020</b>					
	<b>2020</b>				
	<b>Metered</b>		<b>Not metered</b>		<b>Total</b>
<b>Water use sectors</b>	<b># of accounts</b>	<b>Volume</b>	<b># of accounts</b>	<b>Volume</b>	<b>Volume</b>
Single family	4,602	1,915	0	0	1,915
Multi-family	1,709	2,786	0	0	2,786
Commercial	551	799	0	0	799
Industrial	572	1,293	0	0	1,293
Institutional/governmental	0	0	0	0	0
Landscape	250	461	0	0	461
Agriculture	0	0	0	0	0
Other	0	0	0	0	0
<b>Total</b>	<b>7,684</b>	<b>7,254</b>	<b>0</b>	<b>0</b>	<b>7,254</b>

Units: acre-feet per year

<b>Table 3.2.6</b>				
<b>Water Deliveries — Projected 2025 and 2030</b>				
	<b>2025</b>		<b>2030</b>	
	<b>metered</b>		<b>metered</b>	
<b>Water use sectors</b>	<b># of accounts</b>	<b>Volume</b>	<b># of accounts</b>	<b>Volume</b>
Single family	4,714	1,962	4,829	2,010
Multi-family	1,751	2,853	1,793	2,923
Commercial	564	819	578	838
Industrial	586	1,325	600	1,357
Institutional/governmental	0	0	0	0
Landscape	256	473	262	484
Agriculture	0	0	0	0
Other	0	0	0	0
<b>Total</b>	<b>7,871</b>	<b>7,431</b>	<b>8,062</b>	<b>7,612</b>

Units: acre-feet per year

### 3.2.3. Sales to Outside Agencies

The City of Paramount does not sell wholesale water to other agencies. Table 3.2.7 is provided to quantify that Paramount does not intend to sell water to other water agencies within the planning period.

Table 3.2.7 Sales to Other Water Agencies						
Water Distributed	2005	2010	2015	2020	2025	2030
Not Applicable	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0

Units: acre-feet per year

### 3.2.4. Other Water Uses and Losses

Recycled water is delivered to the City by CBMWD through the Los Angeles County Sanitation District’s Los Coyotes Reclamation Plant and is currently used for irrigation and industrial uses. The demand on the recycled water system is largely dependent on the development of the system by CBMWD. CBMWD has expressed interest in expanding the system to connect other landscape and industrial customers, and total deliveries of recycled water are expected to increase modestly throughout the planning period, shown in Table 3.2.8.

Systems losses were estimated by subtracting the total metered deliveries for the year from the total water volume into the system (well production and imported water). The remainder was considered water losses and/or other, unaccounted-for water uses. Over the years 2005 – 2010, water losses averaged 2.2%. Projected system losses were estimated based on this average throughout the planning period. The system losses are summarized in Table 3.2.8.

Table 3.2.8 Additional Water Uses and Losses						
Water Use	2005	2010	2015	2020	2025	2030
Saline barriers	N/A					
Groundwater recharge	N/A					
Conjunctive use	N/A					
Raw water	N/A					
Recycled water	360	354	363	371	380	390
System losses	150	149	175	175	179	183
Other (define)	N/A					
<b>Total</b>	510	503	538	546	559	573

Units: acre-feet per year

### 3.2.5 Total Water Demands

The total past, current, and future water demands for the City of Paramount are summarized in Table 3.2.9.

<b>Water Use</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>
Total water deliveries (Tables 3.2.2 to 3.2.6)	7,635	6,177	7,277	7,254	7,431	7,612
Sales to other water agencies (Table 3.2.7)	N/A	N/A	N/A	N/A	N/A	N/A
Additional water uses and losses (Table 3.2.8)	510	503	538	546	559	573
<b>Total</b>	<b>7,896</b>	<b>6,680</b>	<b>7,815</b>	<b>7,800</b>	<b>7,990</b>	<b>8,185</b>

*Units: acre-feet per year*

### 3.2.6 Lower Income Housing Projections

***Urban Water Management Planning Act Requirement:***

*10631.1(a) The water use projections required by Section 10631 shall include projected water use for single-family and multi-family residential housing needed for lower income households, as defined in Section 50079.5 of the Health and Safety Code, as identified in the housing element of any city, county, or city and county in the service area of the supplier.*

Table 3.2.10 summarizes the lower income water use projections for the City of Paramount, and the lower income water demands are also included as part of the total residential water demand estimates and projections in Tables 3.2.3 – 3.2.6. The Housing Element of the City of Paramount's General Plan was used to obtain the lower income housing data, and estimates through 2014 were provided. Demand projections beyond 2014 were estimated based on 2014 values and overall population growth to determine lower income housing needs throughout the entire UWMP planning horizon.

<b>Table 3.2.10</b>				
<b>Low-Income Projected Water Demands</b>				
<b>Low Income Water Demands</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>
Single-family residential	11	16	22	5
Multi-family residential	4	6	8	2
<b>Total</b>	15	22	30	7

Units: acre-feet per year

### 3.3 WATER DEMAND PROJECTIONS

**Urban Water Management Planning Act Requirement:**

*10631(k) Urban water suppliers that rely upon a wholesale agency for a source of water shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for the inclusion in the urban water supplier’s plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (c). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (c).*

The City of Paramount relies on wholesale water from the Central Basin Municipal Water District as one of the primary sources of water. Table 3.3.1 is provided to quantify the district demand projections provided to CBMWD for incorporation into the CBMWD’s Urban Water Management Plan.

<b>Table 3.3.1</b>					
<b>Retail Agency Demand Projections Provided to Wholesale Suppliers</b>					
<b>Wholesaler</b>	<b>2010</b>	<b>2015</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>
CBMWD	2,518	3,018	3,009	3,082	3,157
<b>Total</b>	2,518	3,018	3,009	3,082	3,157

Units: acre-feet per year

### 3.4 WATER USE REDUCTION PLAN

***Urban Water Management Planning Act Requirement:***

*CWC §10608.29 Urban wholesale water suppliers shall include in the urban water management plans ... an assessment of their present and proposed future measures, programs, and policies to help achieve the water use reductions required by this part (10608.36). Urban retail water suppliers are to prepare a plan for implementing the Water Conservation bill of 2009 requirements and conduct a public meeting which includes consideration of economic impacts.*

The City of Paramount has implemented an economical, yet sound, water use reduction plan in order to meet the 20x2020 water use reduction requirements. Options to reduce water demand in the City include:

- Working with CBMWD to expand offerings of recycled water for irrigation purposes and to existing industrial customers, such as the Paramount Refinery.
- Increasing public awareness regarding water conservation requirements and efforts that can be easily implemented to conserve water.
- Complying with the 14 Demand Management Measures for water conservation.