

# WATER USE REPORT

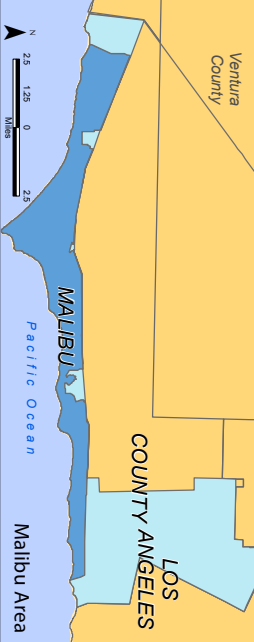
Fiscal Year 2010-2011



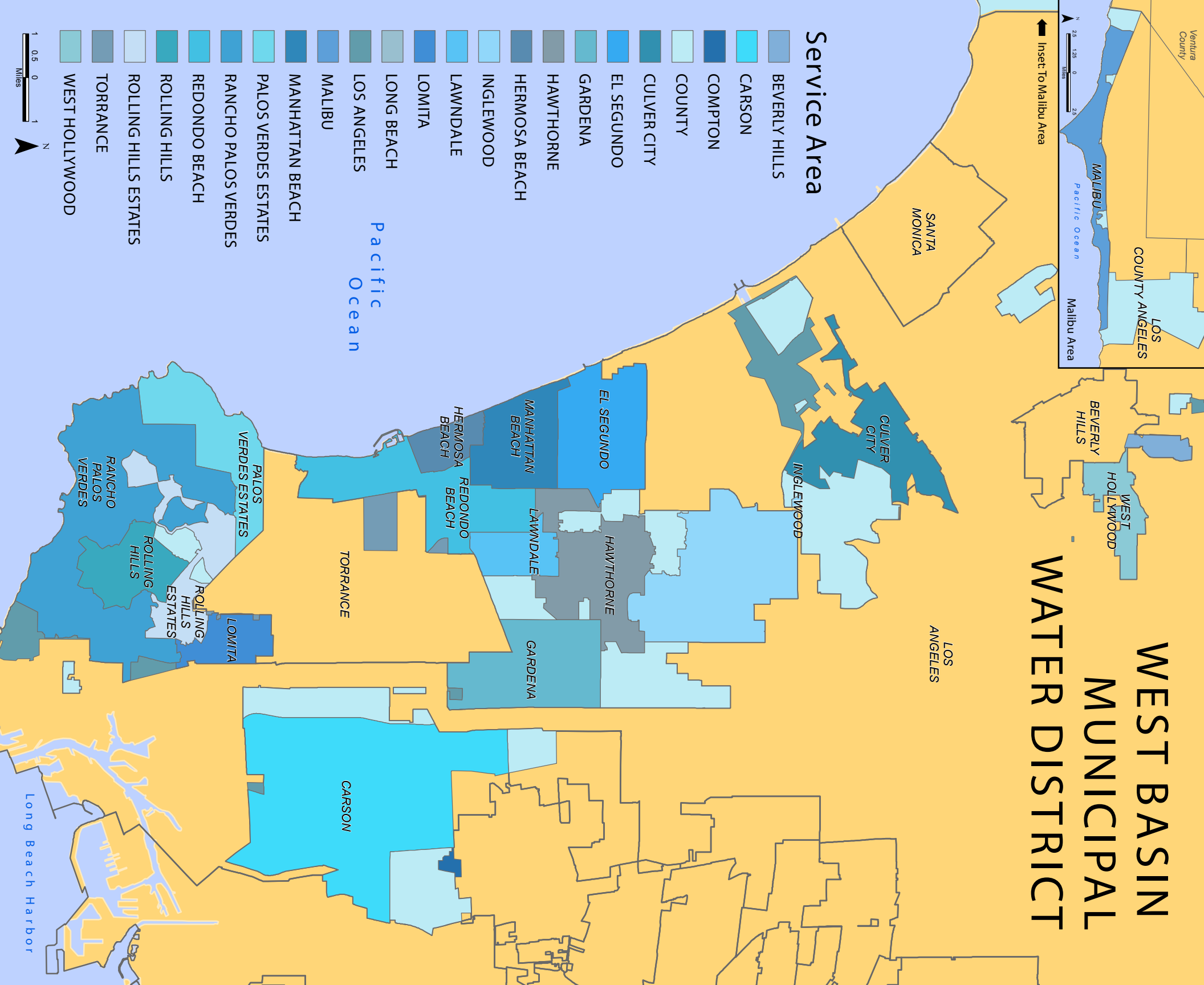
[www.westbasin.org](http://www.westbasin.org)



# WEST BASIN MUNICIPAL WATER DISTRICT



Inset To Malibu Area



# 2010-2011 Accomplishments

## Finance

- Completed replacement liquidity facility that supports the 2008A Adjustable Rate Revenue Certificates of Participation;
- Utilized the E-procurement system (The Network) to facilitate the bidding process on over 50 solicitations and increased the vendor audience with over 100 referrals during the fiscal year;
- Board approved a comprehensive Swap Policy;
- Effectively utilize the Commercial Paper Program to provide interim financing for capital projects;
- Received Excellence in Budget Recognition from GFOA and the California Society Municipal Finance Officers (CSMFO); and
- Received an Excellence in Financial Reporting Award notification for West Basin's Comprehensive Annual Financial Report (CAFR) for the FY 2010 from the Government Finance Officers Association (GFOA).

## Capital Improvement Program

- Completed construction of the Phase II Anza Lateral. The Phase II Anza Lateral will provide over 200 acre-feet per year of recycled water for landscape irrigation usage to various customers throughout the City of Torrance;
- Completed construction of the Ocean-Water Desalination Demonstration Project and Water Education Center;
- Completed preliminary design efforts and awarded Design-



*Water Education Center at the Ocean-Water Desalination Demonstration Facility in Redondo Beach*

Build contracts for the Phase V ECLWRF Expansion Project to serve an additional 5 million gallons per day (MGD) of Barrier Water, 0.5 MGD of boiler-feed water to NRG, and expand Title 22 water capacity;

- Initiated design efforts for the NRG recycled water and potable water pipelines to serve low-pressure boiler feed quality water to the NRG Power Plant in El Segundo;
- Completed construction of the Brewer Desalter Discharge-to-Waste Improvement System that will allow for improved equalization of well startup and waste discharge to local sewer connection;
- Completed construction of multiple Cathodic Protection improvements to District's overall distribution system in order to ensure integrity of recycled water facilities;
- Completed construction of a disinfection facility within the ExxonMobil Water Recycling Facility; and
- Initiated construction of the Dominguez and Torrance Booster Pump Stations to provide adequate hydraulic system pressure and water quality to planned customers.

## **Public Information & Conservation**

- Opened West Basin Water Education Center in conjunction with the Temporary Ocean-Water Desalination Demonstration Project which includes multi-media exhibits, under water video feed and water tasting area;
- Continued Water Reliability 2020 program and obtained over 5,000 community supporters for the program, including several legislative supporters, business and community groups, as well as individuals willing to testify before regulatory agencies on behalf of WR 2020;
- Attracted over 3,000 attendees to the 12th Annual Water Harvest educational festival;
- Obtained more than \$100,000 of sponsorship for West Basin Water Education Center in conjunction with the Temporary Ocean-Water Desalination Demonstration Project;



*Water Harvest Festival 2010*



- Implemented 15 “Ocean Friendly Garden” Workshops to provide residents with information on how they can develop a water-conserving and sustainable garden; and
- Held the 3<sup>rd</sup> Water and Energy Expo for local citizens wishing to learn more about conserving water outdoors.

## **Resources Planning**

- Conducted a workshop with West Basin’s customer agencies to assist with preparation of Urban Water Management Plans, discussed the Water Shortage Allocation Plan, and reviewed West Basin’s proposed FY 2011-12 budget and water rates;
- Actively participated in supporting the MWD board’s adoption of the 2010 Integrated Resources Plan;
- Played a key role in assisting the Greater Los Angeles County Region to apply for a \$32 million implementation grant and was awarded a \$1 million planning grant under the Integrated Regional Water Management Program;
- Awarded 3 additional street median retrofit grants to cities within service area and conducted 6 out of 7 recognition ceremonies for the completed retrofits; and
- Submitted CY 2009 greenhouse gas emissions from all West Basin operations to The Climate Registry.

## **Water Quality Monitoring Program**

- Completed annual customer water quality reports for 3 participating retailers;
- Completed laboratory services required to comply with federal Safe Drinking Water Act and California Title 22 Drinking Water regulation such as analyses of all inorganic, organic compounds, and radioactivity; and
- Provided groundwater quality data to the West Basin Watermaster for inclusion in the annual Watermaster report.



## **Water Recycling Operations**

- Received approximately \$60,000 from the Demand Response Program that West Basin enrolled in, where we cut power use at the ECLWRF when requested by SCE during times of high power demand;
- Completed and submitted over 50 compliance reports to the regulatory agencies;
- Started ferric chloride demonstration test at the Hyperion Wastewater Plant;
- Performed approximately 100 annual visual inspections and over 35 periodic cross-connection tests of recycled water sites;
- Completed draft Asset Management Assessment Report with prioritized recommendations to move forward with enhanced information that lead to informed decision-making;
- Installed 810 microfiltration (MF) membranes at the Carson satellite plant;
- Repaired the nitrification product tank at the Carson satellite plant;
- Completed antiscalant testing to determine most cost-effective antiscalant;
- Concluded negotiations on the LADWP Harbor Agreement that will have West Basin provide 9,300 AFY to the LADWP Harbor customers;
- Completed and signed the Source Control Implementation Plan which is an integral part of the Blue Ribbon Panel Recommendation for providing 100% recycled water to the West Coast Barrier; and
- Concluded Hyperion Pump Station Expansion which enables West Basin to increase the water supply from Hyperion to support these projects and others.

## **Coming in FY 2011 - 2012**

### **Finance**

- Conduct semi-annual review of Strategic Business Plan to assess completion status of projects and activities to meet West Basin's mission;
- Evaluate capital needs requirements to assess when West Basin should seek long-term financing;



- Meet with rating agencies to discuss upcoming debt issuances for the continued expansion of the recycled water system;
- Review the designated fund policy for appropriate funds and target levels; and
- Continue to enhance and utilize Long-Range Financial Model to project revenue needs, capital funding and appropriate rates and charges.

## **Capital Improvement Program**

- Complete construction of multiple pipeline and pump stations as part of the Harbor-South Bay Project;
- Continue with demonstrating the Ocean-Water Desalination Demonstration Project;
- Award consulting contract and initiate efforts for development of an Ocean-Water Desalination Program Master Plan;
- Initiate Design-Build efforts for implementation of the Phase V ECLWRF Expansion Project;
- Initiate Design efforts for the Los Angeles Harbor Area Expansion project to serve LADWP refinery customers with over 9,000 AFY of high-quality nitrified Title 22 water;
- Complete construction of a filter station to serve multiple recycled water use sites within the Toyota Campus;
- Begin planning and pre-design efforts for the Hyperion Effluent Pumping Station Expansion and Second Electrical Feed projects; and
- Complete construction of Disinfection Station Facilities and other system water quality improvement to improve distribution system water quality.



*Toyota Campus*

## Public Information & Conservation

- Develop a plan to improve our education programs, including pre and post-testing, add additional information on the West Basin Web site and an audit by an outside education expert;
- Plan to publish a new value brochure to provide our customers with information about how West Basin efficiently plans, invests and builds cutting edge water facilities;
- Within the next couple of years, plan to initiate a Speakers Bureau, Water 101 class for local colleges, talking point cards for Board and staff;
- Begin entry into “new media” outlets, such as, YouTube and Facebook;
- Continue to implement the WR2020 outreach program and expand WR2020 section on the West Basin Web site;
- Continue to provide cities support with implementation of AB1881 – the state’s new Model Landscape Ordinance; and
- Finish development of West Basin’s and our customer agencies’ Water Use Efficiency Master Plans through a collaborative approach.



## Resources Planning

- Monitor customer agencies’ retail water use post-allocation to evaluate effectiveness of past conservation messaging and programs, and to plan for degree of same efforts going forward;
- Secure policy and financial commitment from MWD for local/regional ocean desalination program development partnership, beginning with West Basin’s Ocean Desalination Program Master Plan;
- Continue pursuing grant opportunities for West Basin and its customer agencies;
- Continue leadership role in the Greater Los Angeles County Integrated Regional Water Management Program, including administration, on behalf of Region, of new consultant contract to develop updated Plan; and
- Submit CY 2010 greenhouse gas emissions from all West Basin operations to The Climate Registry.



## Water Quality Monitoring Program

- Include federal Unregulated Contaminant Monitoring Rule (UCMR) sampling in the Water Quality Monitoring Program.

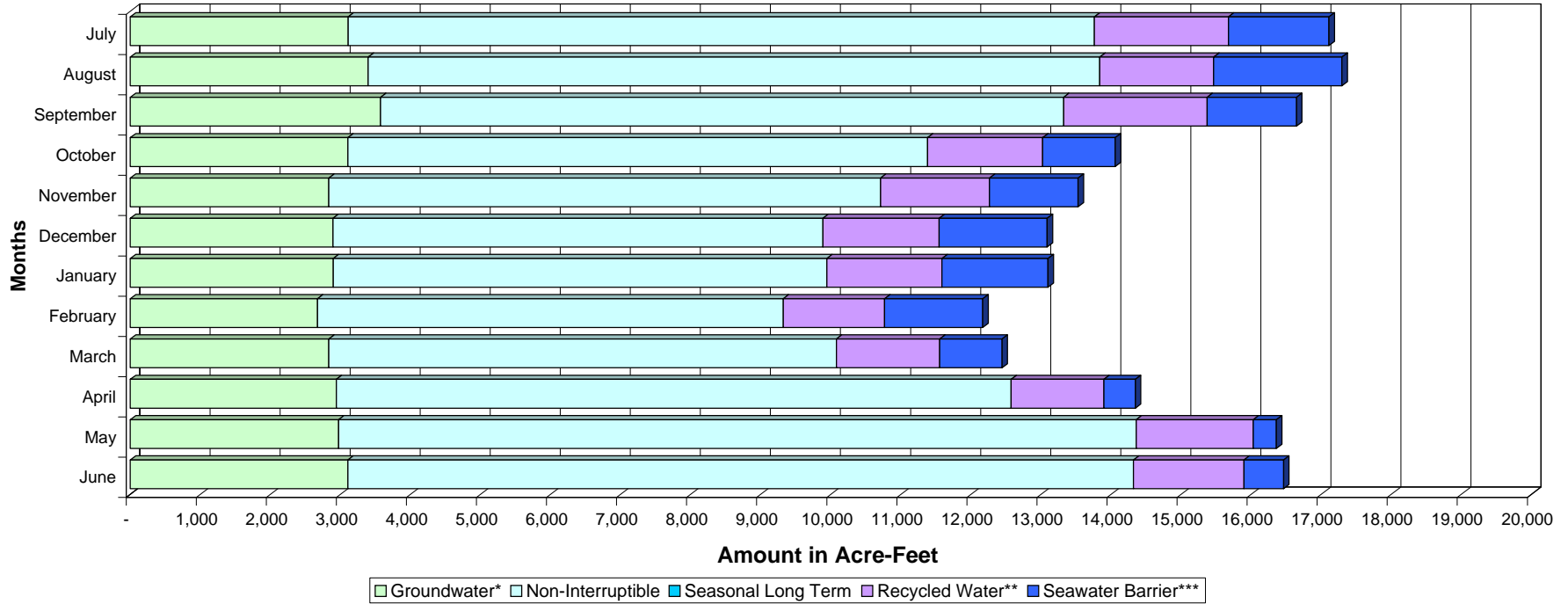
## Water Recycling Operations

- Implement the prioritized asset management recommendations to maximize the asset life and optimize maintenance activities;
- Install 1,584 reverse osmosis (RO) elements at the Carson satellite plant;
- Replace RO elements in Barrier trains 1, 2, 3, and 9 at the ECLWRF in El Segundo;
- Complete ferric chloride addition test at Hyperion to improve water quality; and
- Complete Phase II of the Ozone pilot test at ECLWRF to improve water quality.



*Ozone Pilot Testing*

**WEST BASIN MUNICIPAL WATER DISTRICT  
FY 2010-11**



West Basin MWD	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater*	3,109.95	3,396.18	3,572.63	3,105.24	2,835.62	2,892.10	2,896.00	2,672.60	2,835.61	2,940.75	2,972.37	3,105.00	36,334.05
Desalter	86.60	10.00	24.90	95.40	79.80	91.00	70.50	50.50	98.90	97.00	83.60	93.40	881.60
Non-Interruptible	10,650.24	10,441.21	9,749.00	8,273.38	7,872.76	6,994.23	7,046.91	6,647.92	7,242.19	9,632.84	11,385.92	11,214.84	107,151.44
Seasonal Shift	-	-	-	-	-	-	-	-	-	-	-	-	-
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water**	1,913.32	1,625.15	2,047.77	1,645.20	1,556.56	1,658.04	1,642.30	1,445.52	1,476.36	1,323.20	1,670.22	1,575.33	19,578.97
Seawater Barrier***	1,434.56	1,831.89	1,276.20	1,033.92	1,263.54	1,543.17	1,514.29	1,402.18	888.71	448.36	329.78	567.06	13,533.66
<b>Total</b>	<b>17,194.67</b>	<b>17,304.43</b>	<b>16,670.50</b>	<b>14,153.14</b>	<b>13,608.28</b>	<b>13,178.54</b>	<b>13,170.00</b>	<b>12,218.72</b>	<b>12,541.77</b>	<b>14,442.15</b>	<b>16,441.89</b>	<b>16,555.63</b>	<b>177,479.72</b>

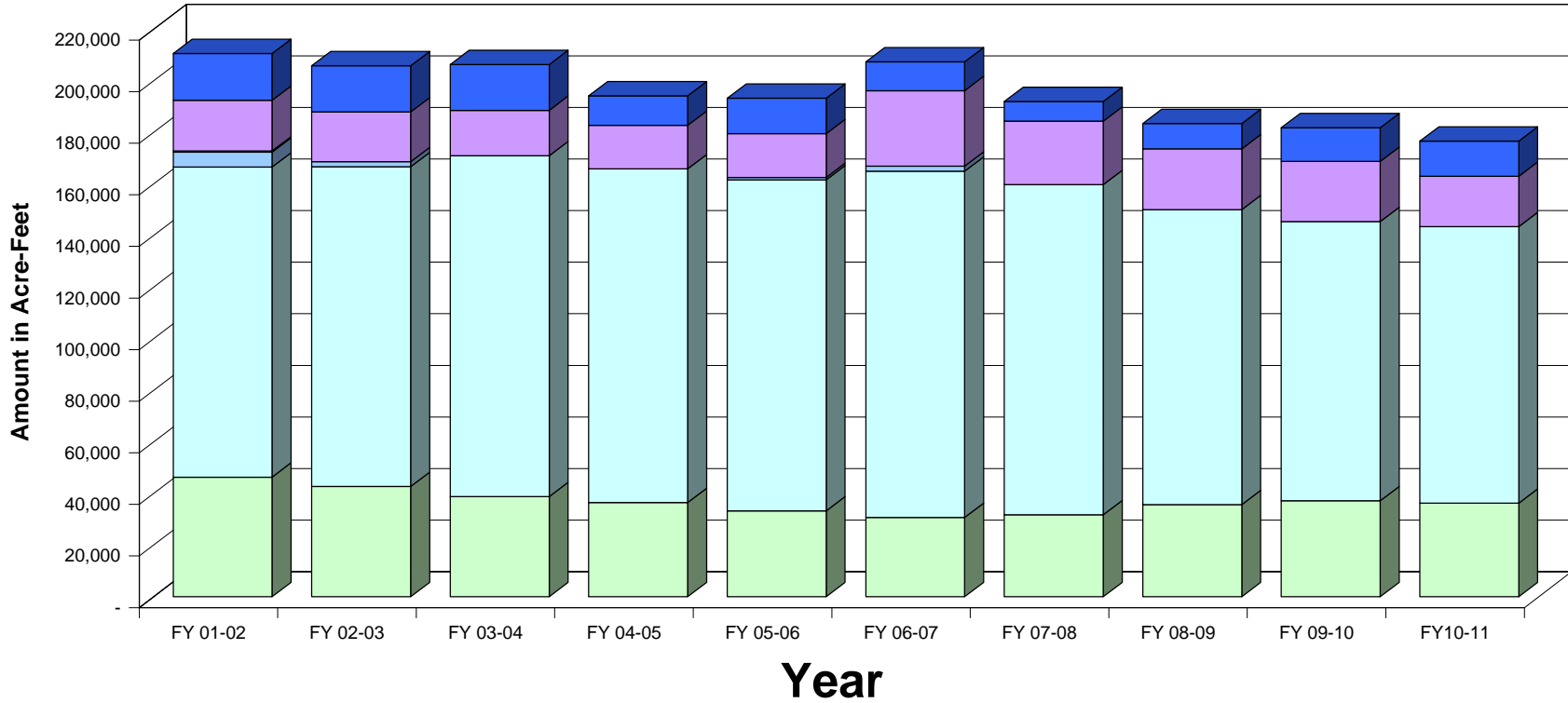
\*Source: WBMWD Database for groundwater production (inside service area only and pumping from Central Basin).

\*\*Source: WBMWD Database (excludes City of Torrance, Torrance - Mobil Recycled Water, and LADWP).

\*\*\*Includes imported sales to WRD-West Coast Barrier and Dominguez Gap.



### WEST BASIN MUNICIPAL WATER DISTRICT 10 Year Water Use



■ Groundwater\* 
 ■ Non-Interruptible 
 ■ Seasonal Long Term 
 ■ Seasonal Shift 
 ■ Recycled Water\*\* 
 ■ Seawater Barrier\*\*\*

Type of Water Supply	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY10-11	Ten Year Averages
Groundwater*	46,423.25	42,740.75	38,871.42	36,583.44	33,256.68	30,740.78	31,831.10	35,773.30	37,230.53	36,334.05	36,978.53
Non-Interruptible	120,195.17	124,021.63	132,143.84	129,315.41	128,346.84	134,244.32	127,925.33	114,293.23	108,260.92	107,151.44	122,589.81
Seasonal Long Term	5,725.60	1,864.20	-	-	910.50	1,981.50	-	-	-	-	1,048.18
Seasonal Shift	493.50	-	-	-	-	-	-	-	-	-	49.35
Recycled Water**	19,660.08	19,364.01	17,578.10	16,863.27	16,987.18	29,250.02	24,594.11	23,587.89	23,331.35	19,578.97	21,079.50
Seawater Barrier***	18,124.43	17,876.77	17,737.01	11,399.72	13,722.31	11,161.68	7,608.68	9,773.57	13,054.18	13,533.66	13,399.20
<b>Total</b>	<b>210,622.03</b>	<b>205,867.36</b>	<b>206,330.37</b>	<b>194,161.84</b>	<b>193,223.51</b>	<b>207,378.30</b>	<b>191,959.22</b>	<b>183,427.99</b>	<b>181,876.98</b>	<b>176,598.12</b>	<b>195,144.57</b>

\*Source: WBMWD Database for groundwater production (inside service area only and pumping from Central Basin).

\*\*Source: WBMWD Database (excludes City of Torrance, Torrance - Mobil Recycled Water, and LADWP).

\*\*\*Includes imported sales to WRD-West Coast Barrier and Dominguez Gap.

## California American Water Company

### Total Water Use

**California American Water Company**  
8657 Grand Ave.  
Rosemead, CA 91770

**Contact: Mr. Garry Hofer, Operations Manager**  
Office: (626) 614-2510

#### 2012 Capacity Reservation Charge (cfs)\*

2008 = 6.7

2009 = 1.2

2010 = 5.2

**Peak = 6.7**

\*Note: The 2012 CRC is the highest daily average flow for the past three years.

#### Imported Connections

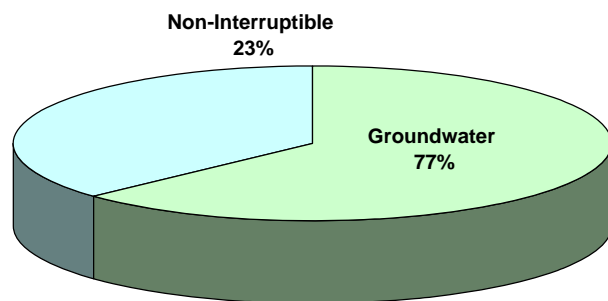
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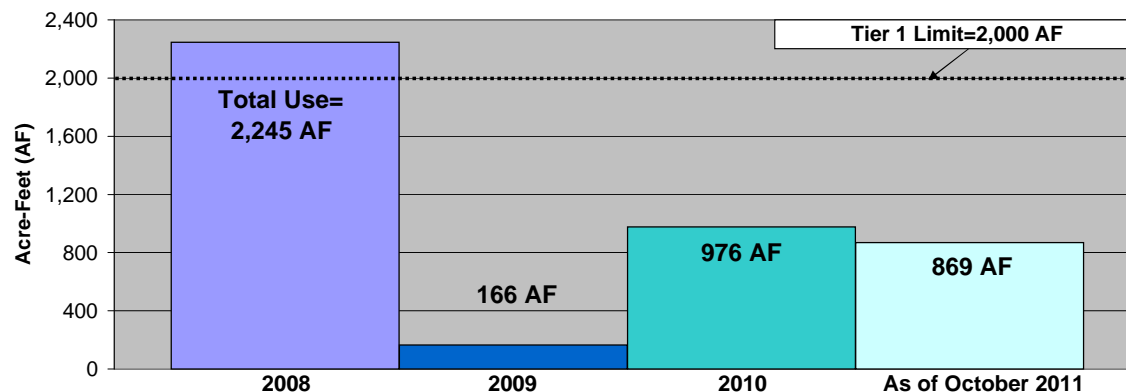
#### Adjudicated Water Rights

2,067 AF

### FY 2010/11 Sources of Water Supplies

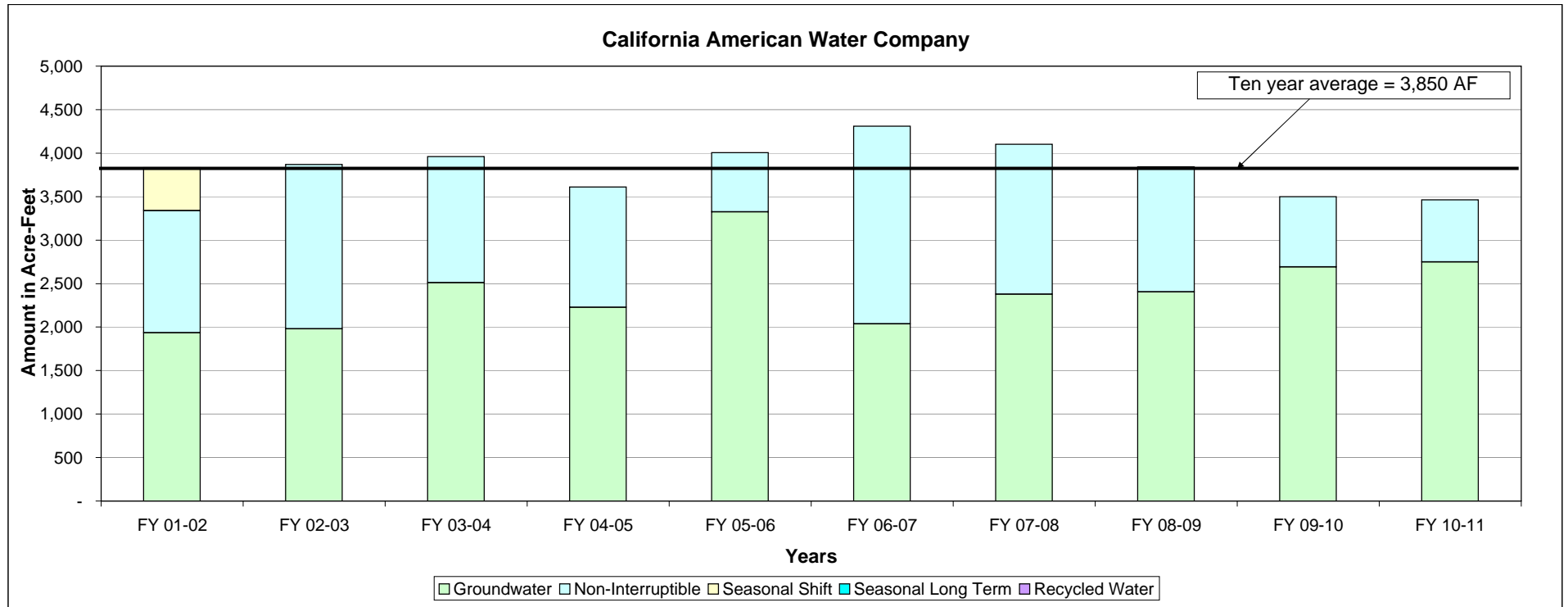


### California American Water Company Imported Water Usage for Purchase Agreement



Type of Water Supply	FY 20010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater*	247.43	216.18	371.89	282.20	235.83	282.31	202.03	219.52	156.73	146.35	170.63	218.86	2,749.96
Non-Interruptible	145.40	113.80	11.30	1.40	-	-	0.10	-	93.30	96.70	117.90	131.90	711.80
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>392.83</b>	<b>329.98</b>	<b>383.19</b>	<b>283.60</b>	<b>235.83</b>	<b>282.31</b>	<b>202.13</b>	<b>219.52</b>	<b>250.03</b>	<b>243.05</b>	<b>288.53</b>	<b>350.76</b>	<b>3,461.76</b>

\*All groundwater is pumped from Central Basin and imported into Cal American service area within West Basin.



Type of Water Supply	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	Ten Year Averages
Groundwater	1,934.90	1,978.62	2,509.49	2,228.07	3,324.46	2,036.60	2,377.74	2,405.98	2,691.70	2,749.96	2,423.75
Non-Interruptible	1,404.00	1,892.20	1,450.60	1,383.80	681.80	2,271.90	1,725.30	1,435.80	808.80	711.80	1,376.60
Seasonal Shift	493.50	-	-	-	-	-	-	-	-	-	49.35
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>3,832.40</b>	<b>3,870.82</b>	<b>3,960.09</b>	<b>3,611.87</b>	<b>4,006.26</b>	<b>4,308.50</b>	<b>4,103.04</b>	<b>3,841.78</b>	<b>3,500.50</b>	<b>3,461.76</b>	<b>3,849.70</b>



## California Water Service Company- Dominguez

### Total Water Use

#### California Water Service Company- Dominguez

2632 West 237th Street  
Torrance, CA 90505-5272

#### Contact: Mr. Henry Wind, District Manager

Office: (310) 257-1436

Fax: (310) 325-4605

#### 2012 Capacity Reservation Charge (cfs)\*

2008 = 52.4

2009 = 43.0

2010 = 52.1

**Peak = 52.4**

\*Note: The 2012 CRC is the highest daily average flow for the past three years.

#### Imported Connections

WB-9 WB-21

WB-10 WB-35

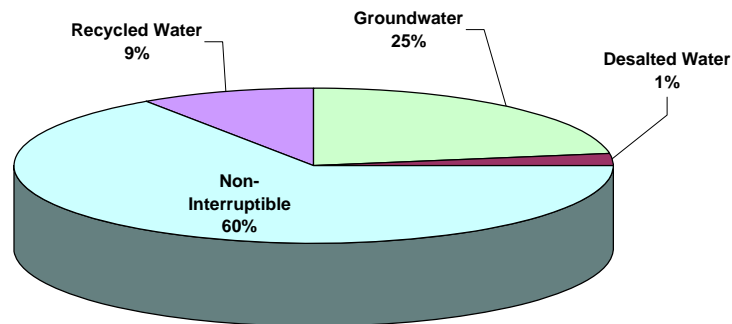
WB-14 WB-36

WB-19 WB-39

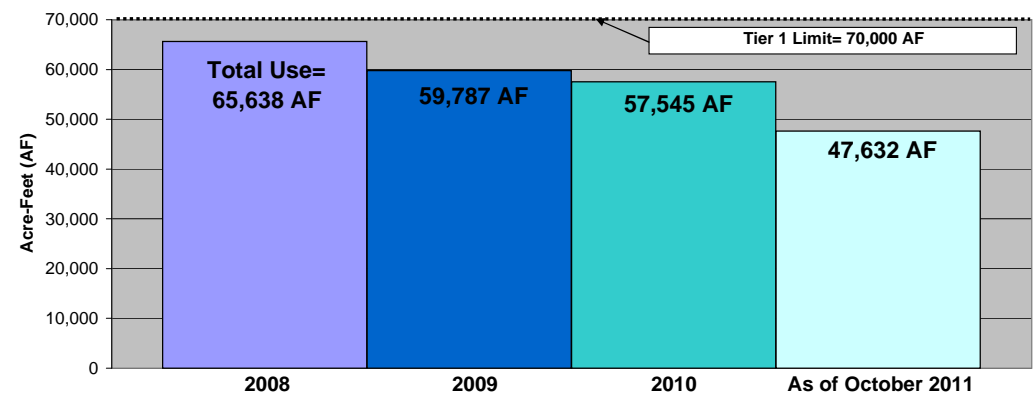
#### Adjudicated Water Rights

10,417 AF

### FY 2010/11 Sources of Water Supplies



#### California Water Service Company\* Imported Water Usage for Purchase Agreement



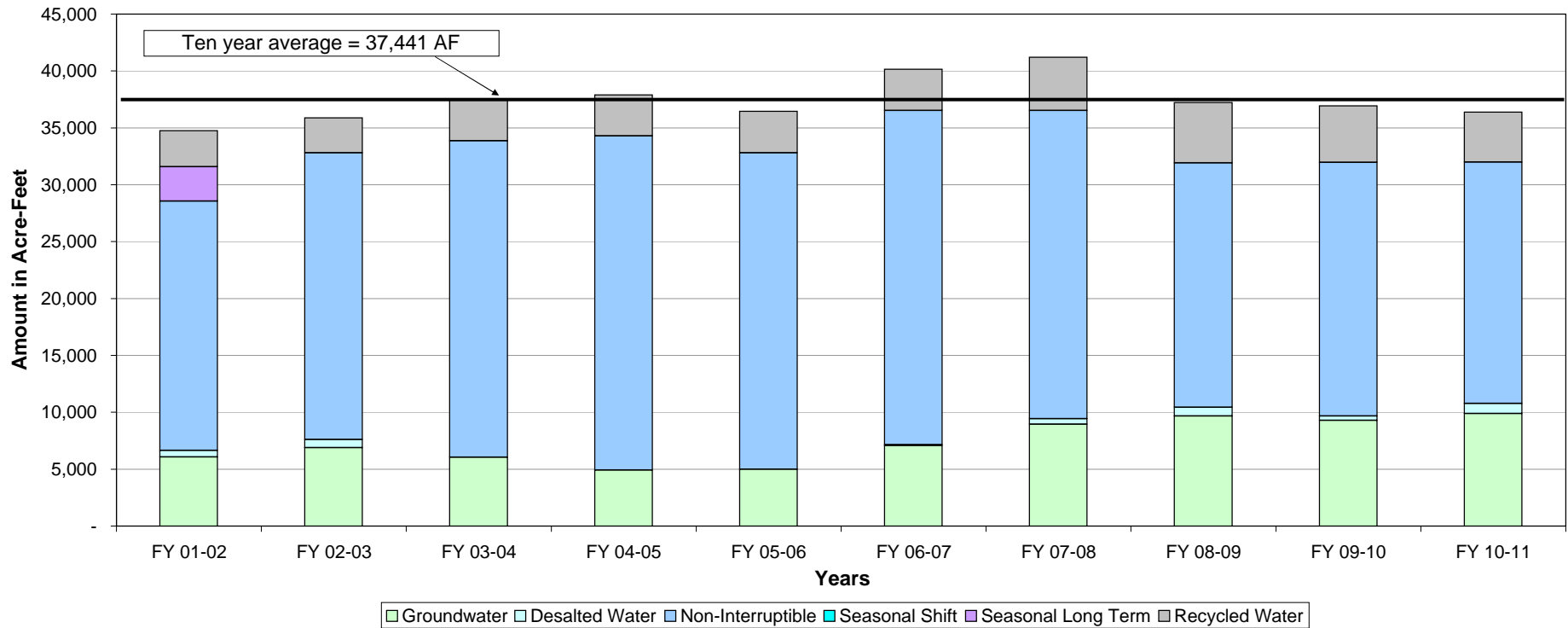
\* This reflects all Cal Water Service Co. customers for West Basin.

Type of Water Supply	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater*	772.29	894.63	802.63	897.96	810.29	784.95	780.00	723.38	778.90	873.55	902.56	864.02	9,885.16
Desalted Water**	86.60	10.00	24.90	95.40	79.80	91.00	70.50	50.50	98.90	97.00	83.6	93.4	881.60
Non-Interruptible	2,245.80	2,144.50	2,225.40	1,791.90	1,618.00	1,560.90	1,495.90	1,358.80	1,480.70	1,657.40	1,852.30	1,794.40	21,226.00
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	323.66	398.96	446.88	287.13	408.70	369.63	366.34	338.59	308.5	337.62	328.71	477.15	4,391.87
<b>Total</b>	<b>3,428.35</b>	<b>3,448.09</b>	<b>3,499.81</b>	<b>3,072.39</b>	<b>2,916.79</b>	<b>2,806.48</b>	<b>2,712.74</b>	<b>2,471.27</b>	<b>2,667.00</b>	<b>2,965.57</b>	<b>3,167.17</b>	<b>3,228.97</b>	<b>36,384.63</b>

\*Cal Water Dominguez has groundwater rights within the West Coast Basin and Central Basin. The number shown is the amount pumped from both West Coast Basin and Central Basin.

\*\* The Desalted Water is not pumped but rather sold to Cal Water Dominguez.

### California Water Service Company- Dominguez



Type of Water Supply*	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	Ten Year Averages
Groundwater	6,067.54	6,890.54	6,036.94	4,912.07	4,992.43	7,069.66	8,962.43	9,666.29	9,297.84	9,885.16	7,378.09
Desalted Water	571.10	716.00	-	-	-	88.60	467.37	770.70	371.90	881.60	386.73
Non-Interruptible	21,911.10	25,190.40	27,836.20	29,378.90	27,804.70	29,372.00	27,094.80	21,482.80	22,309.70	21,226.00	25,360.66
Seasonal Shift	-	-	-	-	-	-	-	-	-	-	-
Seasonal Long Term	3,031.20	-	-	-	-	-	-	-	-	-	303.12
Recycled Water	3,165.26	3,092.31	3,639.38	3,615.50	3,665.49	3,610.23	4,690.03	5,292.89	4,958.66	4,391.87	4,012.16
<b>Total</b>	<b>34,746.20</b>	<b>35,889.25</b>	<b>37,512.52</b>	<b>37,906.47</b>	<b>36,462.62</b>	<b>40,140.49</b>	<b>41,214.63</b>	<b>37,212.68</b>	<b>36,938.10</b>	<b>36,384.63</b>	<b>37,440.76</b>

\*California Water Service merged with Dominguez Water Company in mid-2000 and renamed Dominguez Water Co. as California Water Service Company- Dominguez District.

## California Water Service Company- Hawthorne

### Total Water Use

#### California Water Service Company- Hawthorne

2632 West 237th Street  
Torrance, CA 90505-5272

#### Contact: Mr. Henry Wind, District Manager

Office: (310) 257-1436

Fax: (310) 325-4605

#### 2012 Capacity Reservation Charge (cfs)\*

2008 = 7.7

2009 = 9.1

2010 = 7.7

**Peak = 9.1**

\*Note: The 2012 CRC is the highest daily average flow for the past three years.

#### Imported Connections

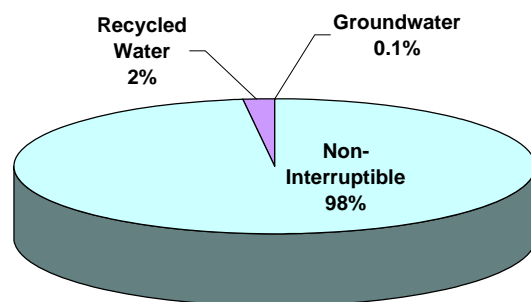
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WB-20

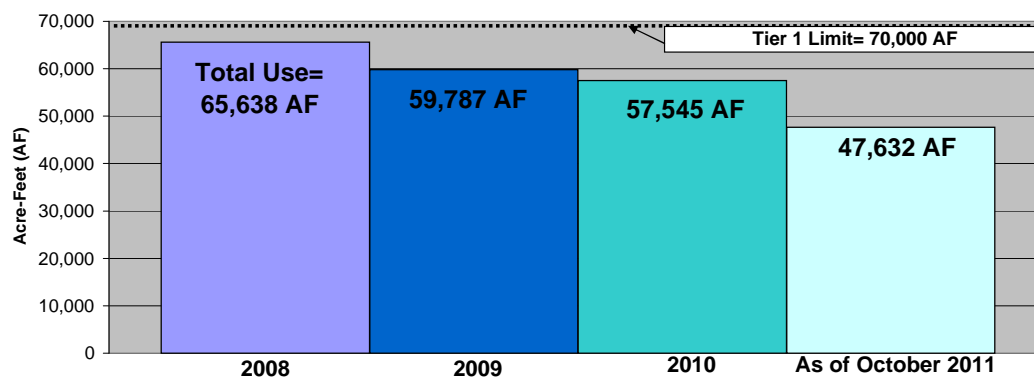
#### Adjudicated Water Rights

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### FY 2010/11 Sources of Water Supplies



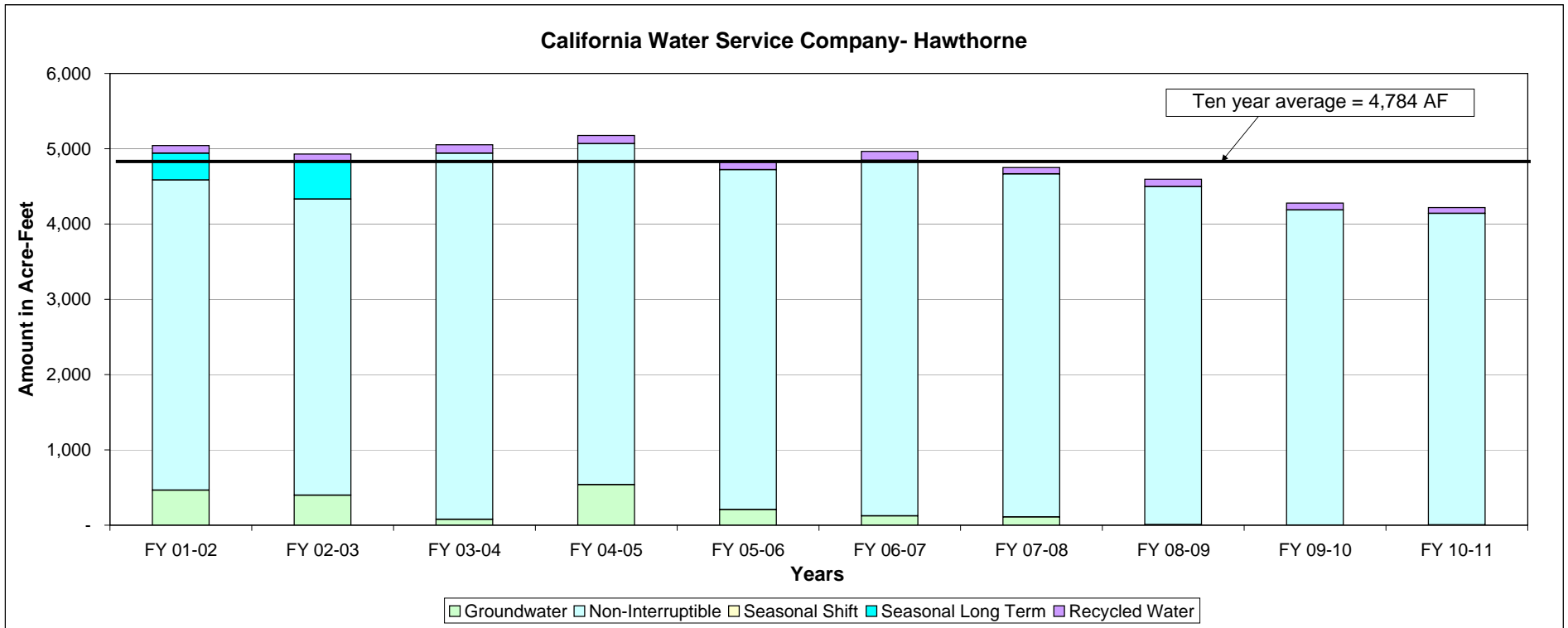
### California Water Service Company\* Imported Water Usage for Purchase Agreement



\* This reflects all Cal Water Service Co. customers for West Basin.

Type of Water Supply	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	3.07	-	-	-	-	3.07
Non-Interruptible	391.90	380.50	367.70	341.70	333.90	332.70	326.50	292.10	325.00	332.80	357.00	355.40	4,137.20
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	11.05	10.86	13.05	8.01	5.14	4.19	1.21	3.43	2.16	2.60	8.07	9.43	79.20
<b>Total</b>	<b>402.95</b>	<b>391.36</b>	<b>380.75</b>	<b>349.71</b>	<b>339.04</b>	<b>336.89</b>	<b>327.71</b>	<b>298.60</b>	<b>327.16</b>	<b>335.40</b>	<b>365.07</b>	<b>364.83</b>	<b>4,219.47</b>





Type of Water Supply	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	Ten Year Averages
Groundwater	465.19	398.85	77.56	539.30	207.84	123.09	110.04	8.21	0.92	3.07	193.41
Non-Interruptible	4,119.00	3,931.00	4,862.80	4,526.80	4,514.10	4,723.30	4,554.10	4,488.80	4,186.10	4,137.20	4,404.32
Seasonal Shift	-	-	-	-	-	-	-	-	-	-	-
Seasonal Long Term	354.30	497.60	-	-	-	-	-	-	-	-	85.19
Recycled Water	102.20	100.58	111.77	110.64	111.04	117.72	84.79	98.61	90.38	79.20	100.69
<b>Total</b>	<b>5,040.69</b>	<b>4,928.03</b>	<b>5,052.13</b>	<b>5,176.74</b>	<b>4,832.98</b>	<b>4,964.11</b>	<b>4,748.93</b>	<b>4,595.62</b>	<b>4,277.40</b>	<b>4,219.47</b>	<b>4,783.61</b>

## California Water Service Company- Hermosa Redondo

### Total Water Use

#### California Water Service Company- Hermosa Redondo

2632 West 237th Street  
Torrance, CA 90505-5272

**Contact: Mr. Henry Wind, District Manager**

Office: (310) 257-1436

Fax: (310) 325-4605

#### 2012 Capacity Reservation Charge (cfs)\*

2008 = 25.9

2009 = 23.4

2010 = 22.0

**Peak = 25.9**

\*Note: The 2012 CRC is the highest daily average flow for the past three years.

#### Imported Connections

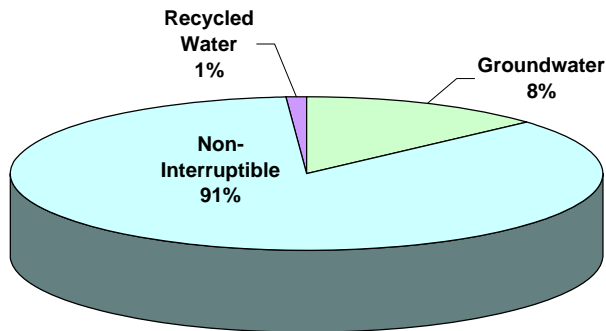
WB-2B    WB-16

WB-5     WB-29

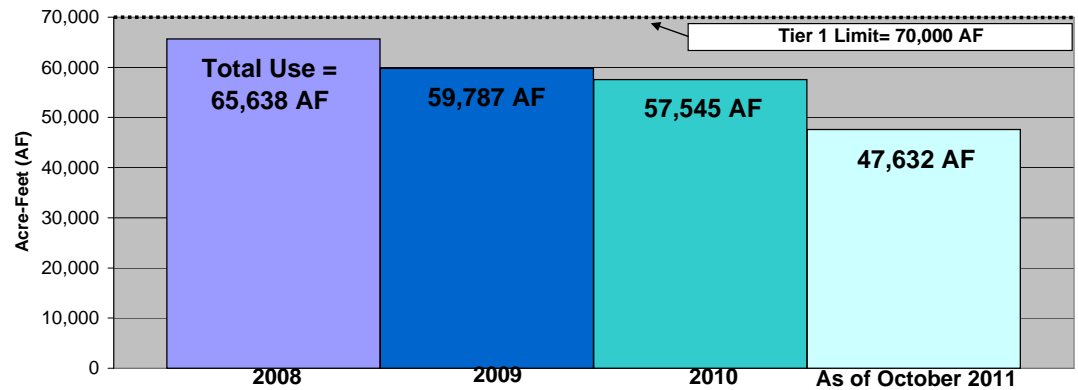
#### Adjudicated Water Rights

4,070 AF

### FY 2010/11 Sources of Water Supplies

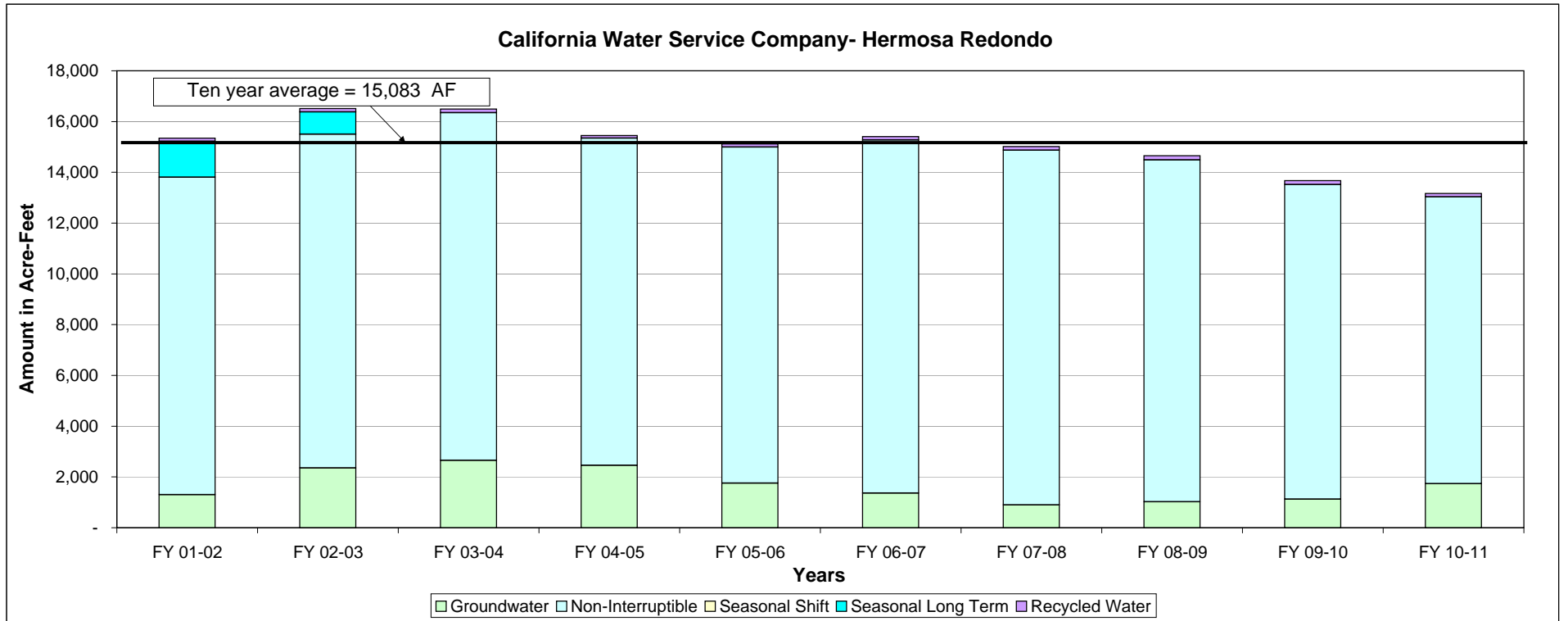


### California Water Service Company\* Imported Water Usage for Purchase Agreement



\* This reflects all Cal Water Service Co. customers for West Basin.

Type of Water Supply	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	133.88	190.77	179.78	120.00	100.52	100.19	101.31	97.29	156.50	172.97	190.82	194.50	1,738.53
Non-Interruptible	1,071.00	1,090.20	1,019.40	938.10	911.10	819.10	871.90	809.10	826.60	897.40	1,017.00	1,024.30	11,295.20
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	18.08	16.13	18.04	12.89	5.33	6.85	1.63	7.11	4.45	6.05	17.03	19.14	132.73
<b>Total</b>	<b>1,222.96</b>	<b>1,297.10</b>	<b>1,217.22</b>	<b>1,070.99</b>	<b>1,016.95</b>	<b>926.14</b>	<b>974.84</b>	<b>913.50</b>	<b>987.55</b>	<b>1,076.42</b>	<b>1,224.85</b>	<b>1,237.94</b>	<b>13,166.46</b>



Type of Water Supply	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	Ten Year Averages
Groundwater	1,300.28	2,358.06	2,653.41	2,454.17	1,756.05	1,362.27	898.67	1,018.36	1,130.05	1,738.53	1,666.99
Non-Interruptible	12,508.40	13,145.60	13,695.90	12,888.30	13,239.50	13,907.10	13,970.90	13,470.90	12,392.50	11,295.20	13,051.43
Seasonal Shift	-	-	-	-	-	-	-	-	-	-	-
Seasonal Long Term	1,411.60	876.60	-	-	-	-	-	-	-	-	228.82
Recycled Water	130.38	130.49	143.63	106.89	119.05	140.88	144.52	162.55	150.20	132.73	136.13
<b>Total</b>	<b>15,350.66</b>	<b>16,510.75</b>	<b>16,492.94</b>	<b>15,449.36</b>	<b>15,114.60</b>	<b>15,410.25</b>	<b>15,014.09</b>	<b>14,651.81</b>	<b>13,672.75</b>	<b>13,166.46</b>	<b>15,083.37</b>



## California Water Service Company- Palos Verdes

### Total Water Use

#### California Water Service Company- Palos Verdes

2632 West 237th Street  
Torrance, CA 90505-5272

#### 2012 Capacity Reservation Charge (cfs)\*

2008 = 51.9

2009 = 52.7

2010 = 45.5

**Peak = 52.7**

\*Note: The 2012 CRC is the highest daily average flow for the past three years.

#### Contact: Mr. Henry Wind, District Manager

Office: (310) 257-1436

Fax: (310) 325-4605

#### Imported Connections

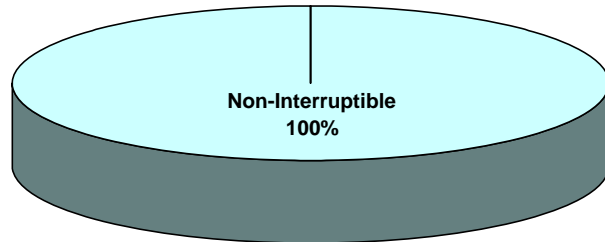
WB-6A WB-32

WB-6B WB-40

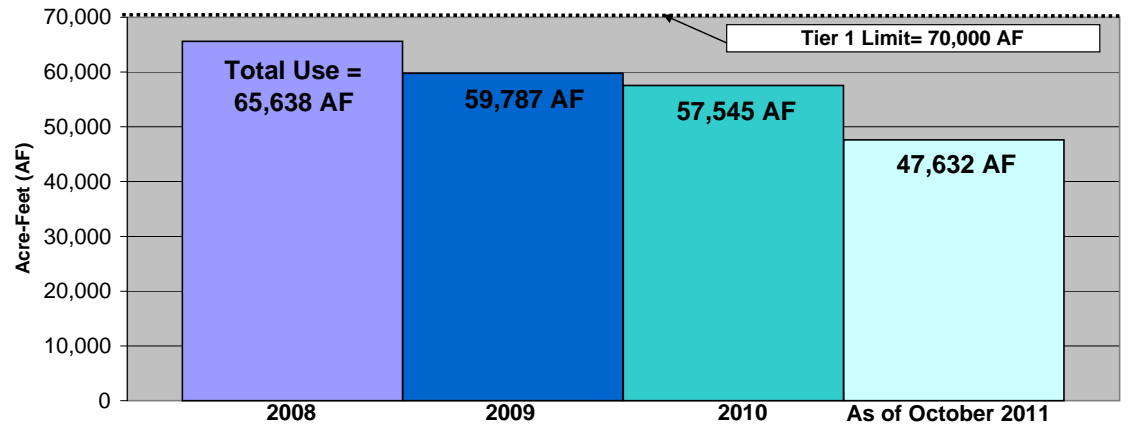
#### Adjudicated Water Rights

-

### FY 2010/11 Sources of Water Supplies

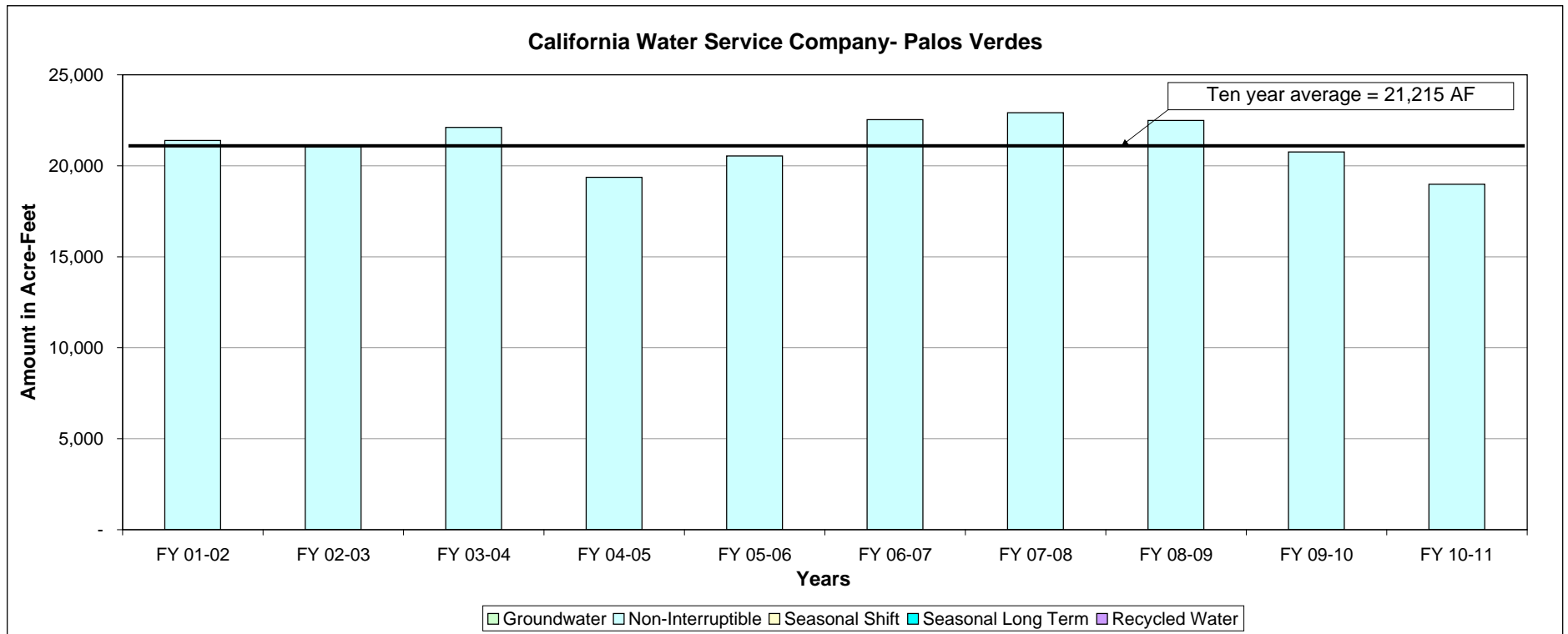


### California Water Service Company\* Imported Water Usage for Purchase Agreement



\* This reflects all Cal Water Service Co. customers for West Basin.

Type of Water Supply	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	2,104.30	2,219.10	2,074.90	1,389.70	1,353.80	1,062.40	1,166.10	1,118.70	1,147.30	1,578.70	1,855.80	1,912.70	18,983.50
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>2,104.30</b>	<b>2,219.10</b>	<b>2,074.90</b>	<b>1,389.70</b>	<b>1,353.80</b>	<b>1,062.40</b>	<b>1,166.10</b>	<b>1,118.70</b>	<b>1,147.30</b>	<b>1,578.70</b>	<b>1,855.80</b>	<b>1,912.70</b>	<b>18,983.50</b>



Type of Water Supply	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	Ten Year Averages
Groundwater	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	21,389.50	21,052.00	22,105.80	19,370.90	20,544.80	22,538.40	22,910.50	22,485.30	20,765.00	18,983.50	21,214.57
Seasonal Shift	-	-	-	-	-	-	-	-	-	-	-
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>21,389.50</b>	<b>21,052.00</b>	<b>22,105.80</b>	<b>19,370.90</b>	<b>20,544.80</b>	<b>22,538.40</b>	<b>22,910.50</b>	<b>22,485.30</b>	<b>20,765.00</b>	<b>18,983.50</b>	<b>21,214.57</b>

## City of El Segundo Total Water Use

**City of El Segundo**  
350 Main Street  
El Segundo, CA 90245-3895

**Contact: Mr. James Turner, Utilities Manager**  
Office: (310) 524-2742  
Fax: (310) 322-4070

**2012 Capacity Reservation Charge (cfs)\***

2008 = 25.7  
2009 = 24.0  
2010 = 13.7  
**Peak = 25.7**

**Imported Connections**

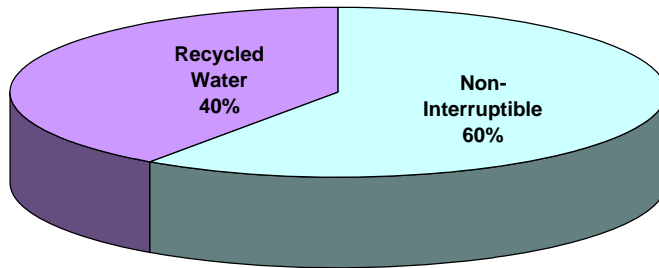
WB-03  
WB-28

**Adjudicated Water Rights**

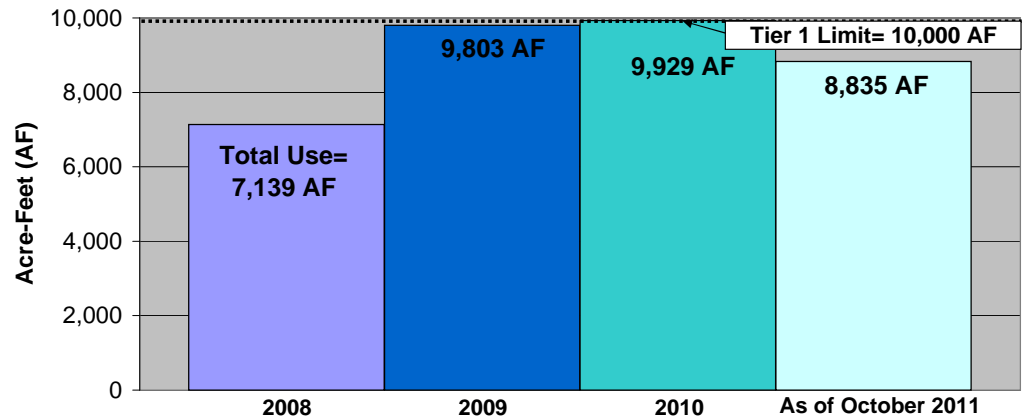
953 AF

\*Note: The 2012 CRC is the highest daily average flow for the past three years.

**FY 2010/11 Sources of  
Water Supplies**

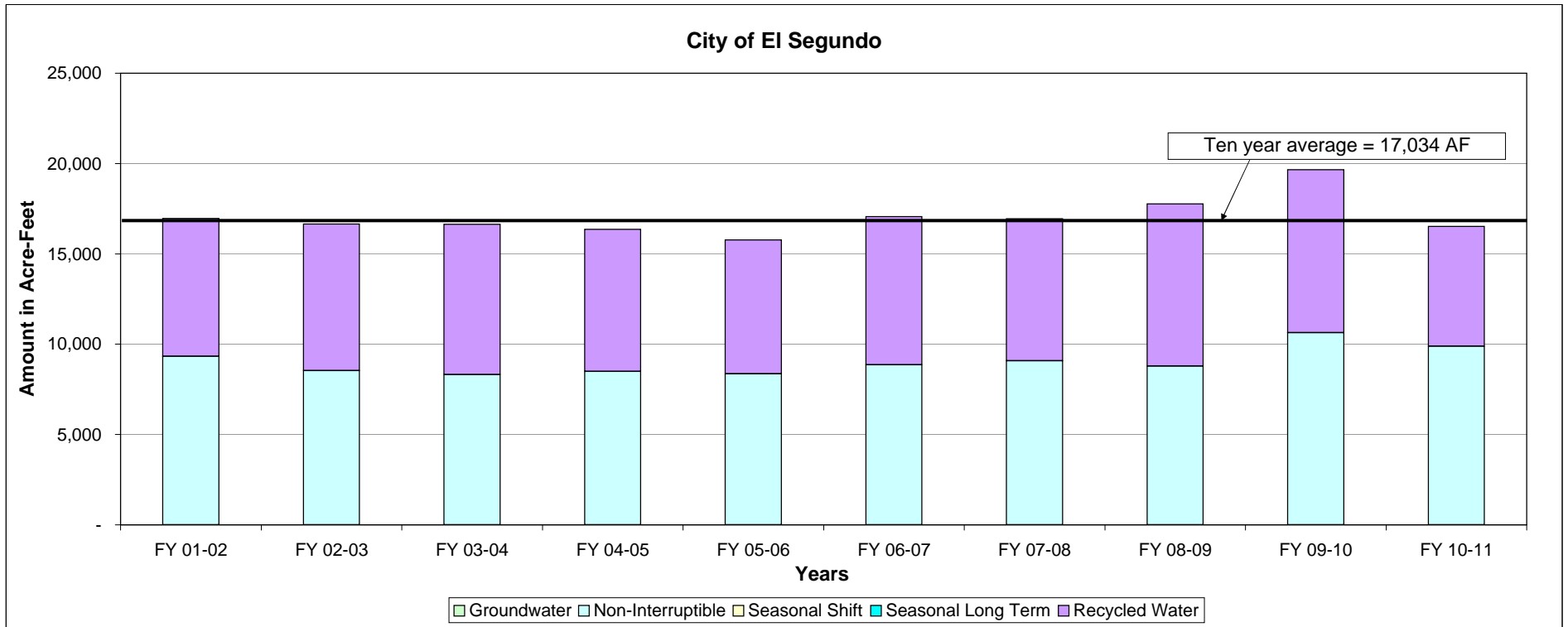


**City of El Segundo  
Imported Water Usage for Purchase Agreement**



Type of Water Supply	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	846.64	783.01	700.90	964.78	879.66	723.03	749.91	707.12	790.89	792.54	984.02	962.24	9,884.74
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	847.62	792.53	790.10	461.78	437.69	525.32	560.7	472.49	413.5	369.11	490.52	476.16	6,637.52
<b>Total</b>	<b>1,694.26</b>	<b>1,575.54</b>	<b>1,491.00</b>	<b>1,426.56</b>	<b>1,317.35</b>	<b>1,248.35</b>	<b>1,310.61</b>	<b>1,179.61</b>	<b>1,204.39</b>	<b>1,161.65</b>	<b>1,474.54</b>	<b>1,438.40</b>	<b>16,522.26</b>





Type of Water Supply	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	Ten Year Averages
Groundwater	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	9,331.17	8,542.93	8,320.39	8,491.91	8,362.64	8,861.42	9,084.93	8,794.73	10,631.62	9,884.74	9,030.65
Seasonal Shift	-	-	-	-	-	-	-	-	-	-	-
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	7,632.14	8,102.17	8,310.17	7,868.41	7,404.51	8,200.97	7,864.89	8,977.91	9,034.50	6,637.52	8,003.32
<b>Total</b>	<b>16,963.31</b>	<b>16,645.10</b>	<b>16,630.56</b>	<b>16,360.32</b>	<b>15,767.15</b>	<b>17,062.39</b>	<b>16,949.82</b>	<b>17,772.64</b>	<b>19,666.12</b>	<b>16,522.26</b>	<b>17,033.97</b>

## City of Inglewood

### Total Water Use

**City of Inglewood**  
One Manchester Blvd  
Inglewood, CA 90301

**Contact: Mr. Jim Davis, Acting Public Works Director**  
Office: (310) 412-5333  
Fax: (310) 412-5552

#### 2012 Capacity Reservation Charge (cfs)\*

2008 = 18.4

2009 = 16.7

2010 = 14.1

**Peak = 18.4**

\*Note: The 2012 CRC is the highest daily average flow for the past three years.

#### Imported Connections

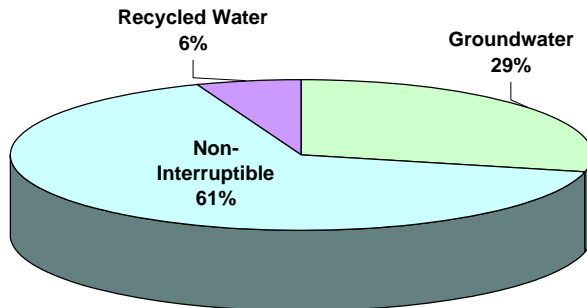
WB-17

WB-38

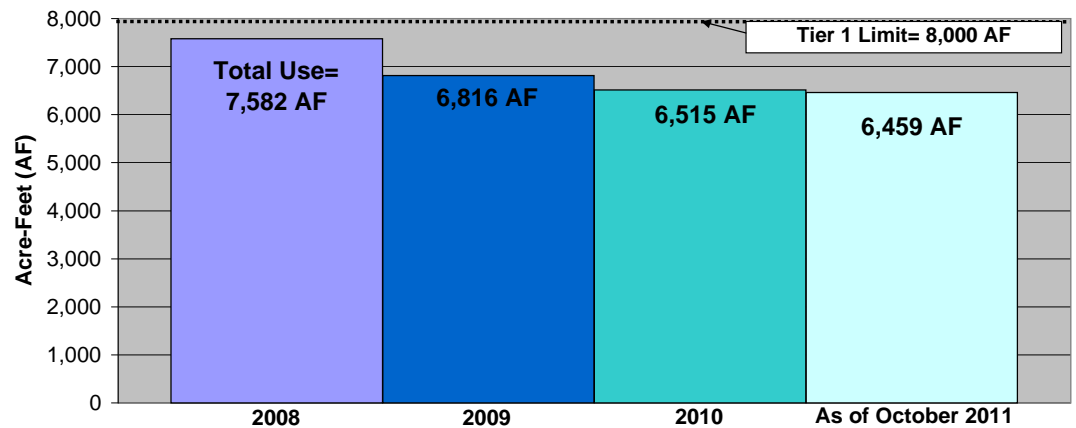
#### Adjudicated Water Rights

4,450 AF

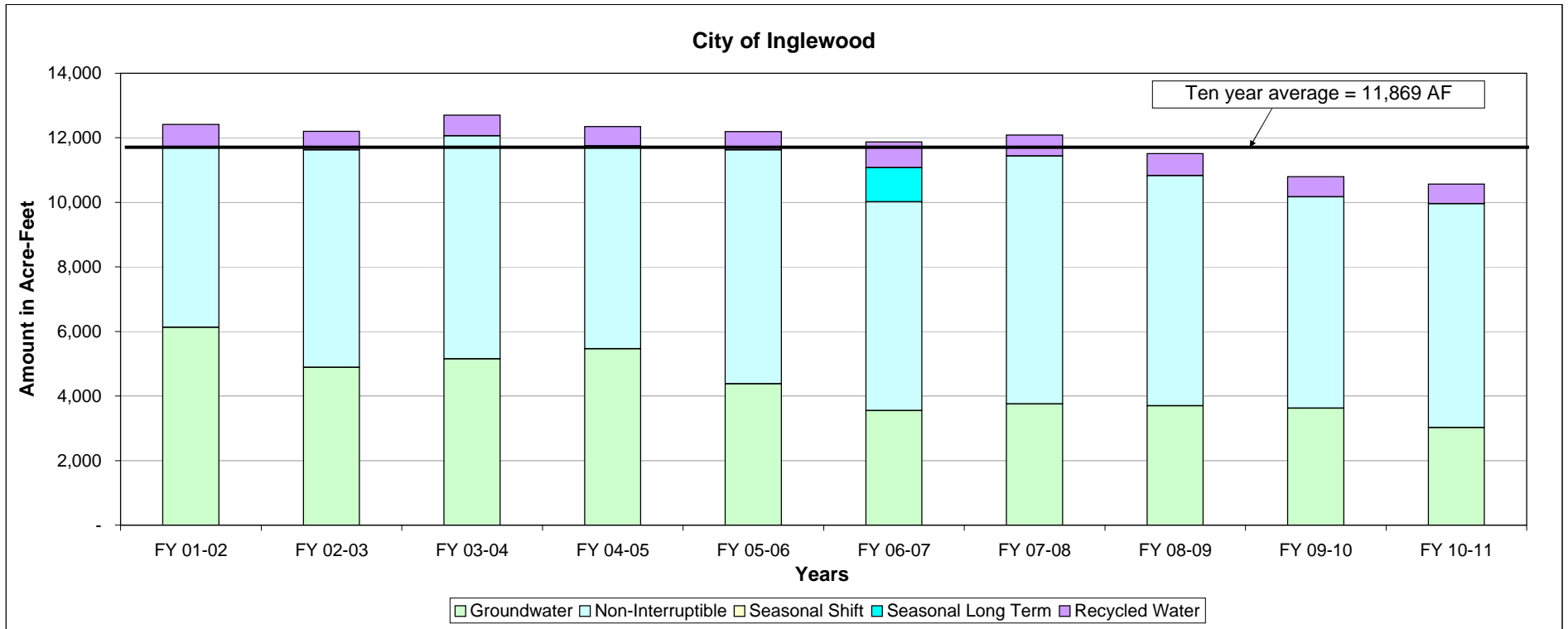
### FY 2010/11 Sources of Water Supplies



### City of Inglewood Imported Water Usage for Purchase Agreement



Type of Water Supply	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	315.24	281.95	273.02	272.12	261.02	242.67	260.73	237.84	232.67	215.98	196.78	230.32	3,020.34
Non-Interruptible	624.50	676.50	618.70	525.50	521.40	525.80	509.10	464.70	516.90	587.00	690.40	678.00	6,938.50
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	80.73	125.00	89.73	30.59	37.60	16.46	5.84	18.64	3.96	45.80	97.79	54.28	606.42
<b>Total</b>	<b>1,020.47</b>	<b>1,083.45</b>	<b>981.45</b>	<b>828.21</b>	<b>820.02</b>	<b>784.93</b>	<b>775.67</b>	<b>721.18</b>	<b>753.53</b>	<b>848.78</b>	<b>984.97</b>	<b>962.60</b>	<b>10,565.26</b>



Type of Water Supply	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	Ten Year Averages
Groundwater	6,126.35	4,892.06	5,149.05	5,461.95	4,377.27	3,551.28	3,751.00	3,695.39	3,622.15	3,020.34	4,364.68
Non-Interruptible	5,578.30	6,734.50	6,911.50	6,289.50	7,248.30	6,464.80	7,688.70	7,136.80	6,551.80	6,938.50	6,754.27
Seasonal Shift	-	-	-	-	-	-	-	-	-	-	-
Seasonal Long Term	-	-	-	-	-	1,062.30	-	-	-	-	106.23
Recycled Water	706.74	577.13	637.95	594.53	568.00	797.06	649.96	679.84	621.30	606.42	643.89
<b>Total</b>	<b>12,411.39</b>	<b>12,203.69</b>	<b>12,698.50</b>	<b>12,345.98</b>	<b>12,193.57</b>	<b>11,875.44</b>	<b>12,089.66</b>	<b>11,512.03</b>	<b>10,795.25</b>	<b>10,565.26</b>	<b>11,869.08</b>

# Los Angeles County Waterworks District 29 and Marina Del Rey

## Total Water Use

**Los Angeles County Waterworks District 29 & Marina Del Rey**  
 900 S. Freemont Ave  
 Alhambra, CA 91803

**Contact: Mr. David Rydman, Water Resource Engineer**  
 Office: (626) 300-3351  
 Fax: (626) 300-3385

### 2012 Capacity Reservation Charge (cfs)\*

2008 = 19.6  
 2009 = 17.9  
 2010 = 17.2  
**Peak = 19.6**

### Imported Connections

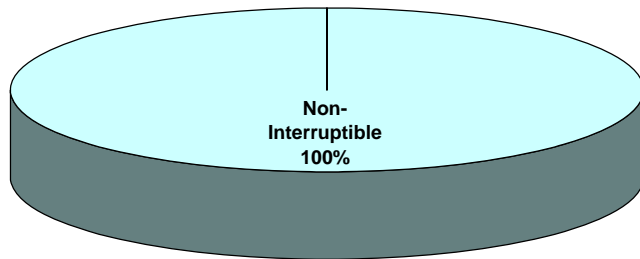
WB-26A  
 WB-26B

### Adjudicated Water Rights

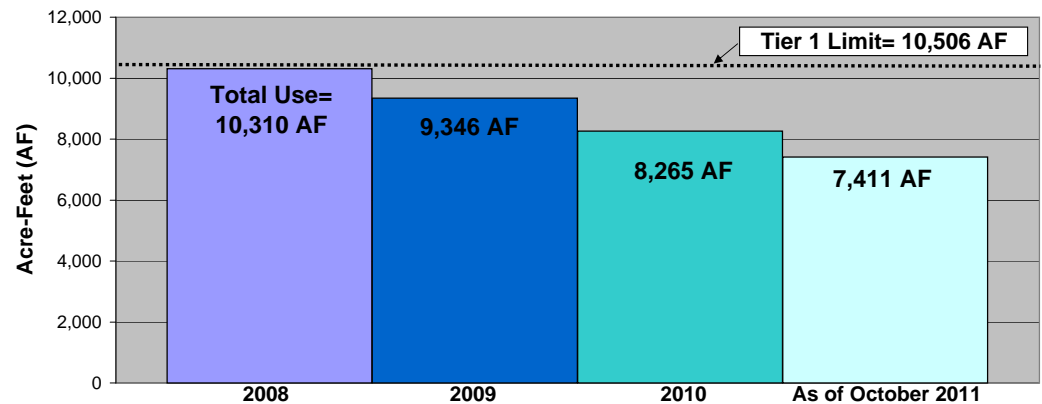
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\*Note: The 2012 CRC is the highest daily average flow for the past three years.

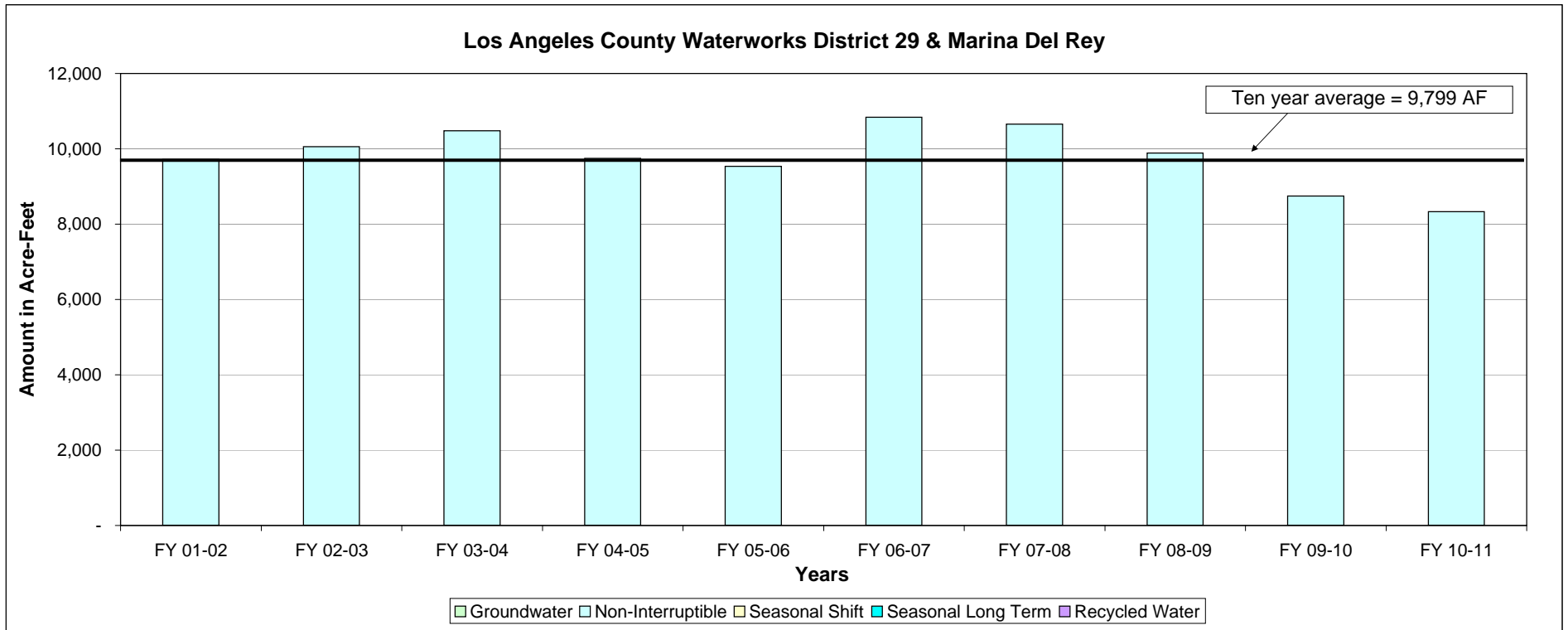
### FY 2010/11 Sources of Water Supplies



### Los Angeles County Waterworks District 29 & Marina Del Rey Imported Water Usage for Purchase Agreement



Type of Water Supply	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	860.10	911.90	848.00	625.80	647.40	511.00	572.20	527.40	514.20	694.10	822.00	796.60	8,330.70
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>860.10</b>	<b>911.90</b>	<b>848.00</b>	<b>625.80</b>	<b>647.40</b>	<b>511.00</b>	<b>572.20</b>	<b>527.40</b>	<b>514.20</b>	<b>694.10</b>	<b>822.00</b>	<b>796.60</b>	<b>8,330.70</b>



Type of Water Supply	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	Ten Year Averages
Groundwater	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	9,720.40	10,055.50	10,478.30	9,747.50	9,532.90	10,835.90	10,653.70	9,886.00	8,749.60	8,330.70	9,799.05
Seasonal Shift	-	-	-	-	-	-	-	-	-	-	-
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>9,720.40</b>	<b>10,055.50</b>	<b>10,478.30</b>	<b>9,747.50</b>	<b>9,532.90</b>	<b>10,835.90</b>	<b>10,653.70</b>	<b>9,886.00</b>	<b>8,749.60</b>	<b>8,330.70</b>	<b>9,799.05</b>



## City of Lomita

### Total Water Use

**City of Lomita**  
P.O. Box 339  
Lomita, CA 90717

**Contact: Mr. Vince Demasse, Public Works Director**  
Office: (310) 325-7110 Ext.124  
Fax: (310) 325-4024

#### 2012 Capacity Reservation Charge (cfs)\*

2008 = 4.4

2009 = 4.0

2010 = 4.3

**Peak = 4.4**

\*Note: The 2012 CRC is the highest daily average flow for the past three years.

#### Imported Connections

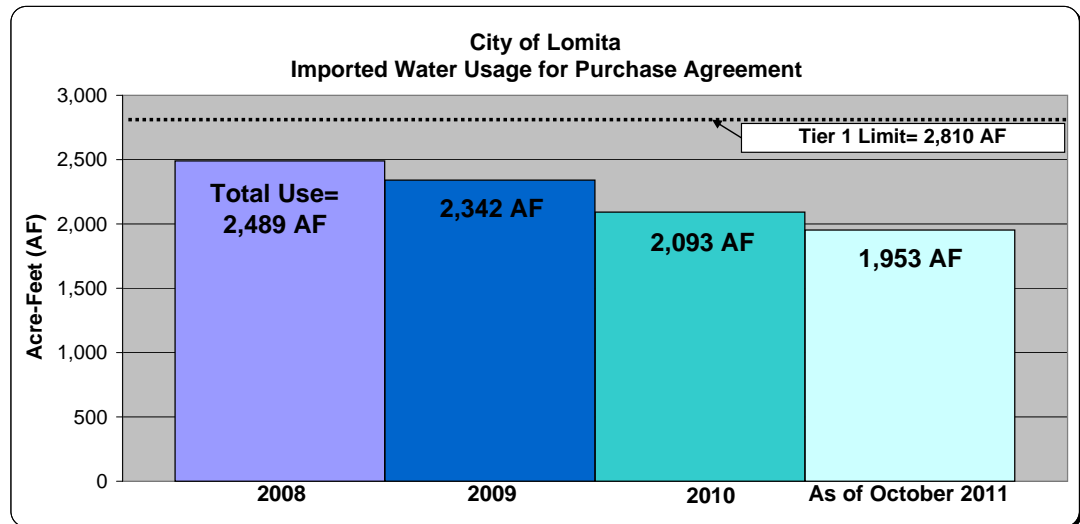
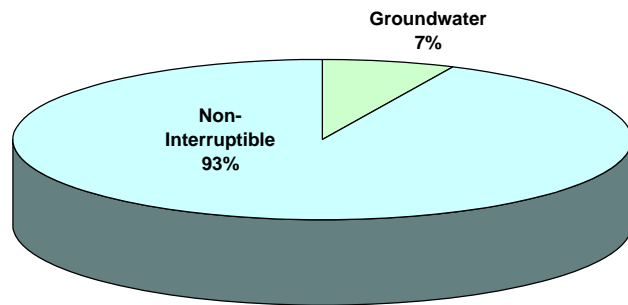
WB-07

WB-08

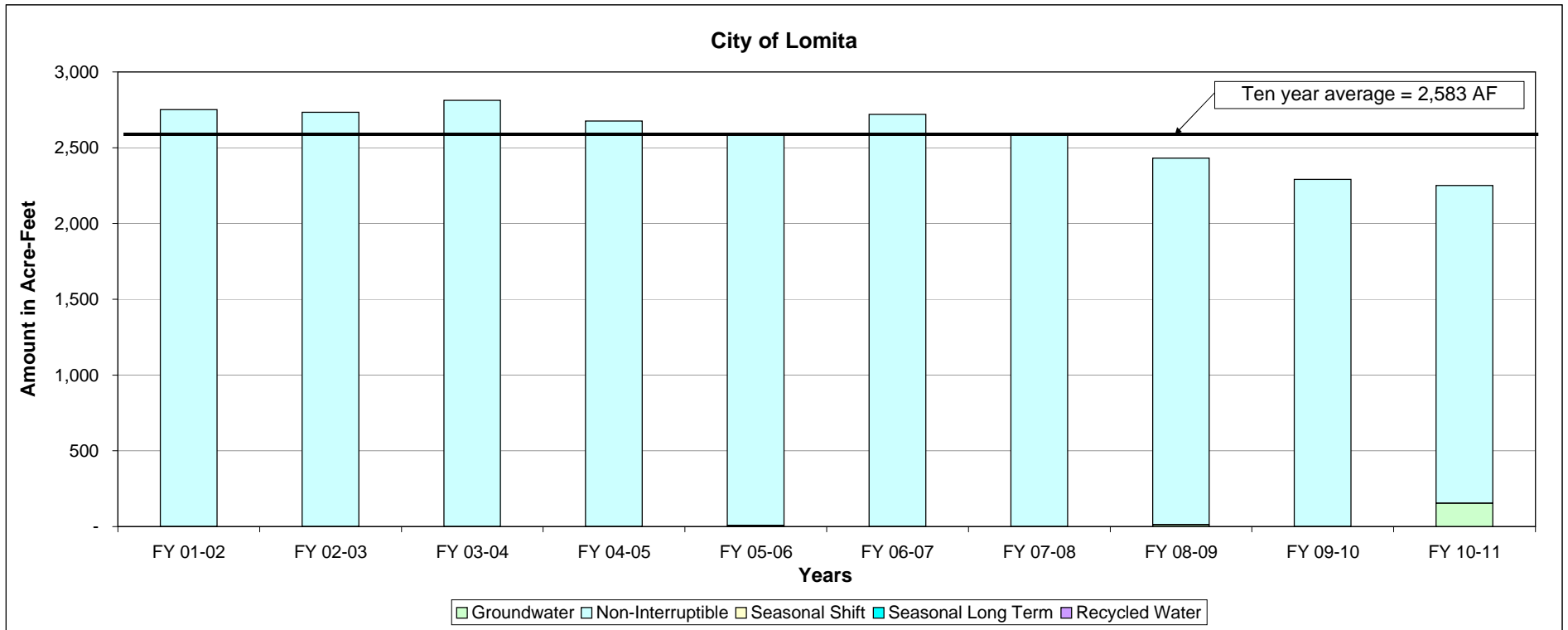
#### Adjudicated Water Rights

1,352 AF

### FY 2010/11 Sources of Water Supplies



Type of Water Supply	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	34.6	38.36	68.78	7.57	2.16	2.43	-	-	-	0.15	0.61	-	154.66
Non-Interruptible	192.80	156.20	151.00	175.90	175.20	163.30	164.10	152.40	166.00	179.50	201.80	218.00	2,096.20
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>227.40</b>	<b>194.56</b>	<b>219.78</b>	<b>183.47</b>	<b>177.36</b>	<b>165.73</b>	<b>164.10</b>	<b>152.40</b>	<b>166.00</b>	<b>179.65</b>	<b>202.41</b>	<b>218.00</b>	<b>2,250.86</b>



Type of Water Supply	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	Ten Year Averages
Groundwater	-	-	-	-	7.62	-	-	11.60	-	154.66	17.39
Non-Interruptible	2,751.90	2,734.10	2,813.40	2,676.40	2,575.50	2,720.00	2,582.50	2,420.30	2,290.30	2,096.20	2,566.06
Seasonal Shift	-	-	-	-	-	-	-	-	-	-	-
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>2,751.90</b>	<b>2,734.10</b>	<b>2,813.53</b>	<b>2,676.40</b>	<b>2,583.12</b>	<b>2,720.00</b>	<b>2,582.50</b>	<b>2,431.90</b>	<b>2,290.30</b>	<b>2,250.86</b>	<b>2,583.45</b>

## City of Manhattan Beach

### Total Water Use

#### City of Manhattan Beach

3621 Bell Ave.  
Manhattan Beach, CA 90266

**Contact: Mr. Jim Arndt, Public Works Director**

Office: (310) 802-5302

Fax: (310) 802-5301

#### 2012 Capacity Reservation Charge (cfs)\*

2008 = 11.1

2009 = 10.2

2010 = 10.1

**Peak = 11.1**

\*Note: The 2012 CRC is the highest daily average flow for the past three years.

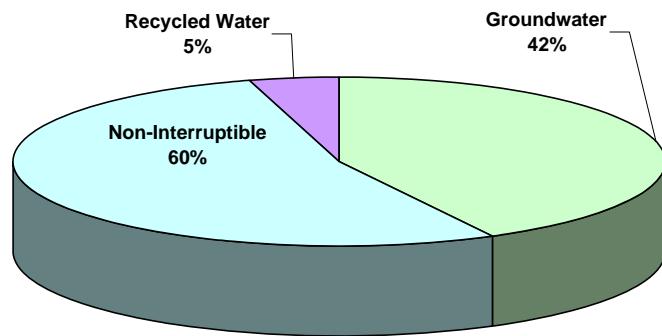
#### Imported Connections

WB-4

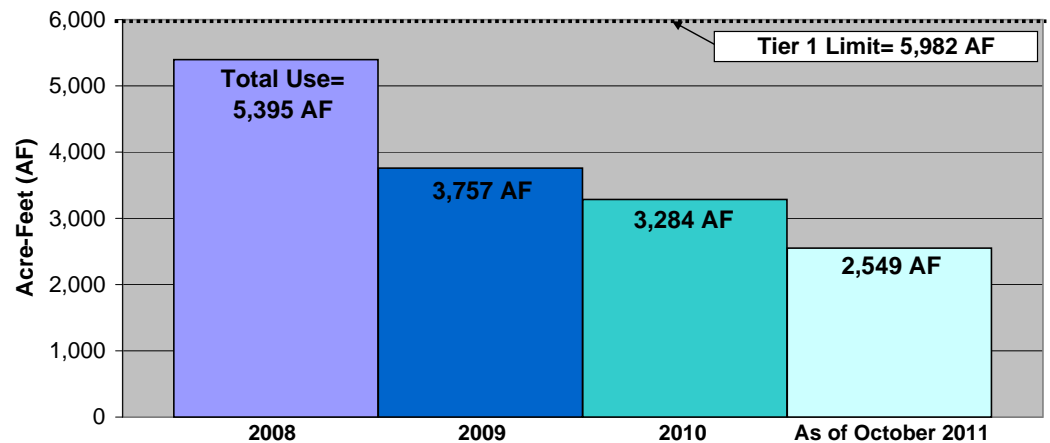
#### Adjudicated Water Rights

1,131 AF

### FY 2010/11 Sources of Water Supplies

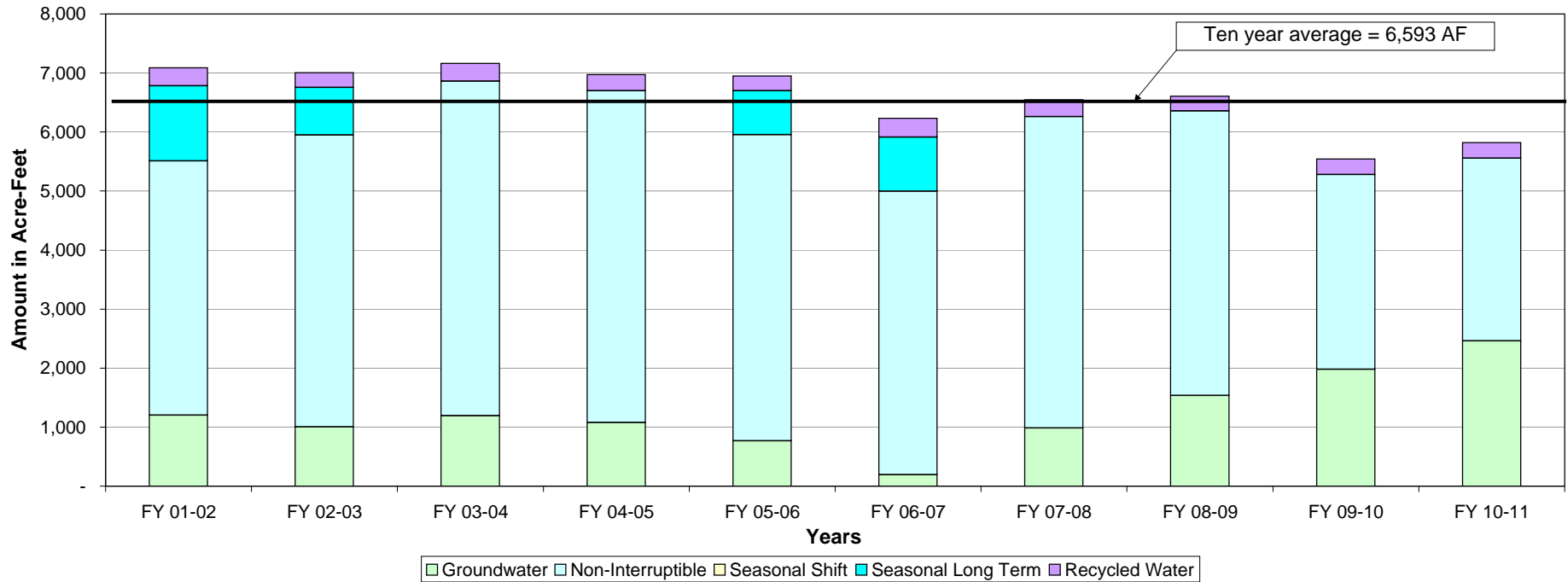


### City of Manhattan Beach Imported Water Usage for Purchase Agreement



Type of Water Supply	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	182.80	307.13	188.99	241.42	198.89	233.61	220.6	224.65	230.29	206.65	225.08	2,460.11
Non-Interruptible	544.50	356.00	227.50	226.50	189.60	202.20	181.80	165.90	197.10	225.30	295.70	282.70	3,094.80
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	37.39	39.22	30.54	20.51	15.20	14.75	5.66	12.16	11.55	21.48	20.55	34.92	263.93
<b>Total</b>	<b>581.89</b>	<b>578.02</b>	<b>565.17</b>	<b>436.00</b>	<b>446.22</b>	<b>415.84</b>	<b>421.07</b>	<b>398.66</b>	<b>433.30</b>	<b>477.07</b>	<b>522.90</b>	<b>542.70</b>	<b>5,818.84</b>

### City of Manhattan Beach



Type of Water Supply	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	Ten Year Averages
Groundwater	1,201.59	1,004.88	1,193.21	1,079.13	769.92	194.11	983.66	1,534.08	1,978.56	2,460.11	1,239.93
Non-Interruptible	4,307.70	4,944.60	5,670.10	5,619.50	5,184.70	4,802.00	5,277.70	4,821.60	3,301.00	3,094.80	4,702.37
Seasonal Shift	-	-	-	-	-	-	-	-	-	-	-
Seasonal Long Term	1,274.50	803.80	-	-	744.70	919.20	-	-	-	-	374.22
Recycled Water	306.69	254.10	301.45	273.63	249.48	316.25	287.93	251.37	264.00	263.93	276.88
<b>Total</b>	<b>7,090.48</b>	<b>7,007.38</b>	<b>7,164.76</b>	<b>6,972.26</b>	<b>6,948.80</b>	<b>6,231.56</b>	<b>6,549.29</b>	<b>6,607.05</b>	<b>5,543.56</b>	<b>5,818.84</b>	<b>6,593.40</b>

## Golden State Water Company

### Total Water Use

**Golden State Water Company**  
1600 W. Redondo Beach Blvd., #101  
Carson, CA 90746-1296

**Contact: Mr. Shad Rezai, District Manager**  
Office: (310) 767-8201  
Fax: (310) 907-7060

#### 2012 Capacity Reservation Charge (cfs)\*

2008 = 37.1

2009 = 30.5

2010 = 34.9

**Peak = 37.1**

\*Note: The 2012 CRC is the highest daily average flow for the past three years.

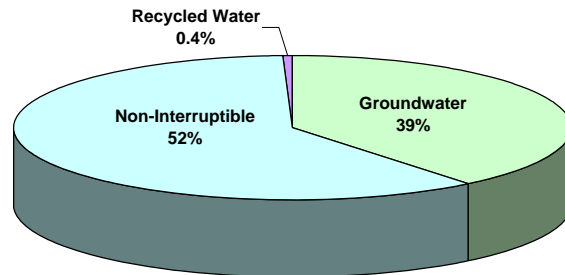
#### Imported Connections

WB-1	WB-15	WB-31
WB-2A	WB-23	WB-33
WB-11	WB-24	WB-34
WB-12	WB-25	
WB-13	WB-30	

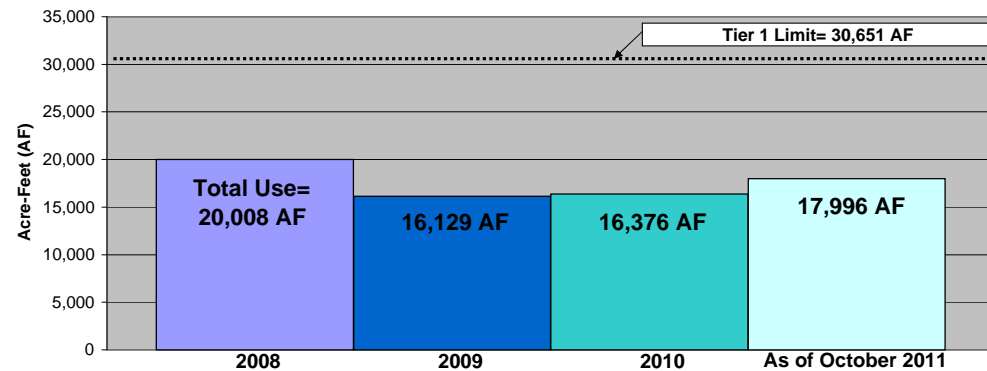
#### Adjudicated Water Rights

7,502 AF

### FY 2010/11 Sources of Water Supplies

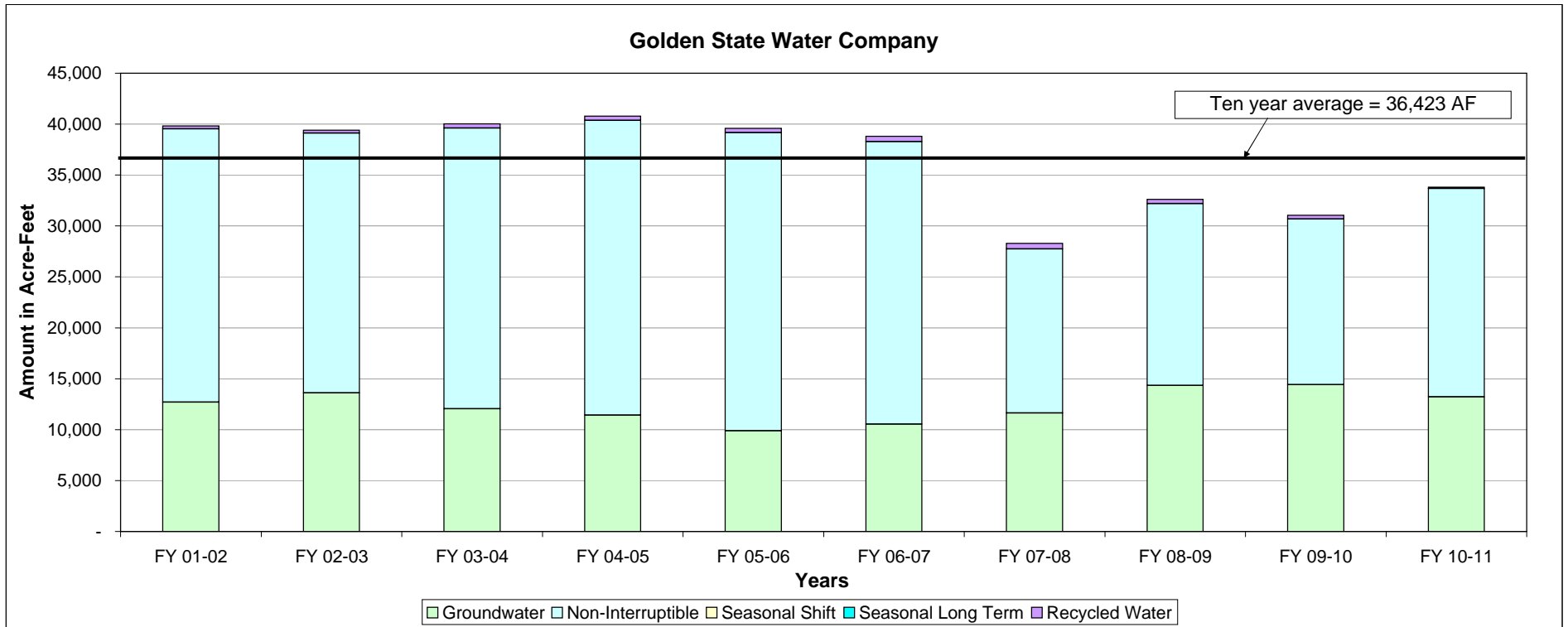


### Golden State Water Company Imported Water Usage for Purchase Agreement



Type of Water Supply	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	1,312.58	1,285.48	1,200.25	1,114.03	978.35	1,076.89	1,099.49	969.76	1,074.19	1,047.58	1,001.95	1,052.88	13,213.43
Non-Interruptible*	1,623.30	1,609.50	1,504.20	1,292.10	1,242.70	1,093.80	1,009.30	1,051.70	1,184.20	2,591.40	3,192.00	3,058.60	20,452.80
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	25.59	22.55	21.23	13.29	9.60	6.64	2.22	9.20	4.94	8.14	18.55	5.55	147.50
<b>Total</b>	<b>2,961.47</b>	<b>2,917.53</b>	<b>2,725.68</b>	<b>2,419.42</b>	<b>2,230.65</b>	<b>2,177.33</b>	<b>2,111.01</b>	<b>2,030.66</b>	<b>2,263.33</b>	<b>3,647.12</b>	<b>4,212.50</b>	<b>4,117.03</b>	<b>33,813.73</b>

\* This includes Culver City Imported Deliveries.



Type of Water Supply	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	Ten Year Averages
Groundwater	12,713.71	13,622.22	12,048.79	11,416.11	9,899.49	10,540.24	11,638.10	14,334.55	14,408.21	13,213.43	12,383.49
Non-Interruptible	26,828.30	25,485.00	27,555.30	28,941.90	29,261.10	27,747.50	16,103.40	17,870.20	16,274.50	20,452.80	23,652.00
Seasonal Shift	-	-	-	-	-	-	-	-	-	-	-
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	281.17	307.08	432.58	434.84	429.41	522.75	552.42	410.00	360.07	147.50	387.78
<b>Total</b>	<b>39,823.18</b>	<b>39,414.30</b>	<b>40,036.67</b>	<b>40,792.85</b>	<b>39,590.00</b>	<b>38,810.49</b>	<b>28,293.92</b>	<b>32,614.75</b>	<b>31,042.78</b>	<b>33,813.73</b>	<b>36,423.27</b>



## Water Replenishment District of Southern California

### Total Water Use

**Water Replenishment District of Southern California**  
 4040 Paramount Blvd  
 Lakewood, CA 90712

**Contact: Mr. Robb Whitaker, General Manager**  
 Office: (562) 407-1925  
 Fax: (562) 921-6101

#### 2012 Capacity Reservation Charge (cfs)\*

2008 = 13.2

2009 = 30.7

2010 = 33.7

**Peak = 33.7**

\*Note: The 2012 CRC is the highest daily average flow for the past three years.

#### Imported Connections

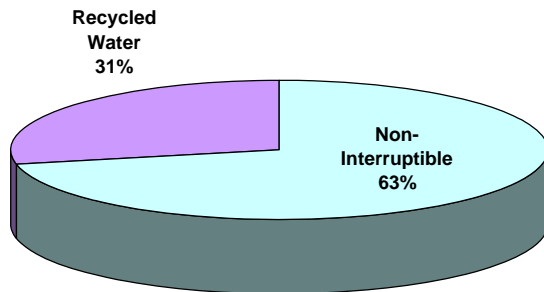
WB-28

WB-37

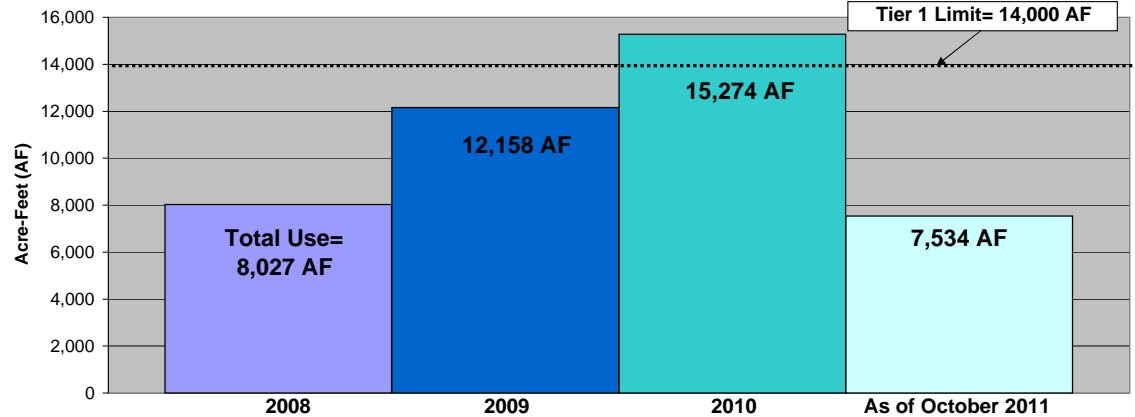
#### Adjudicated Water Rights

-

### FY 2010/11 Sources of Water Supplies



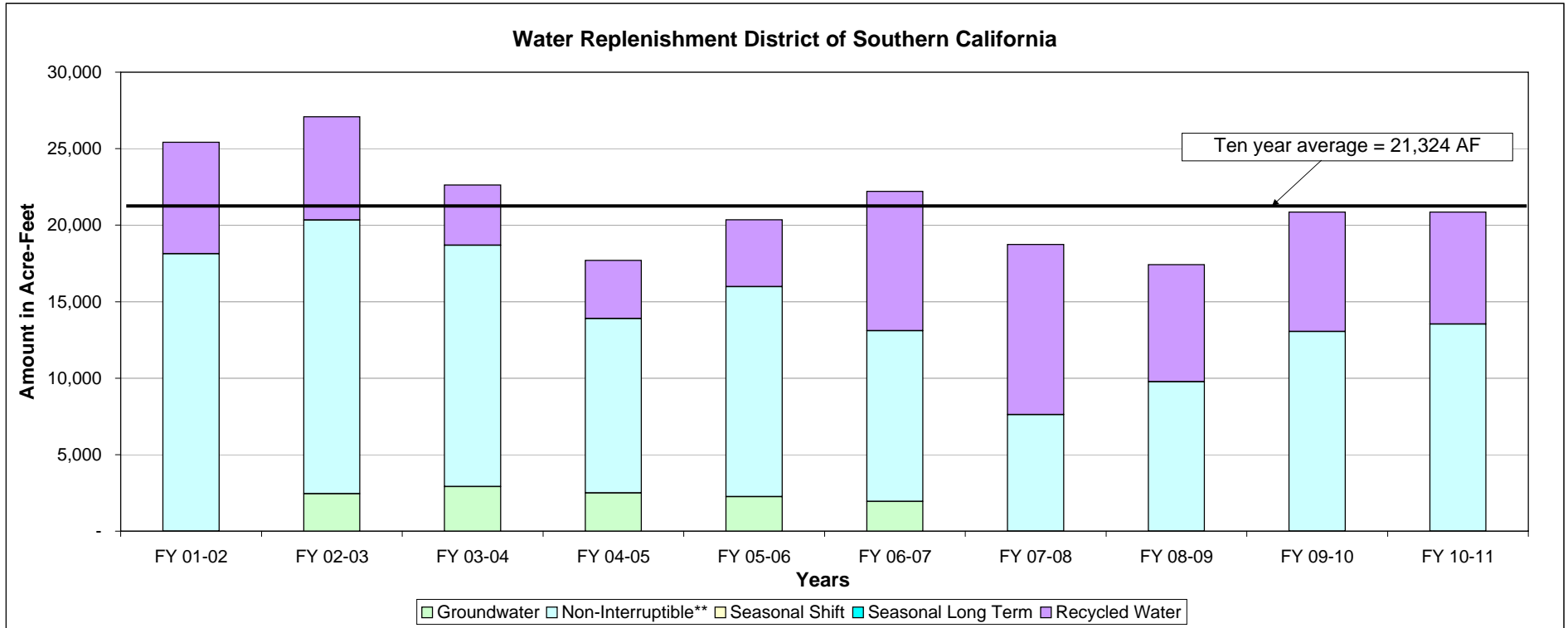
### Water Replenishment District of Southern California Barrier Water Usage for Purchase Agreement



Type of Water Supply	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater*	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	1,434.56	1,831.89	1,276.20	1,033.92	1,263.54	1,543.17	1,514.29	1,402.18	888.71	448.36	329.78	567.06	13,533.66
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-
Recycled Water**	569.20	219.90	638.20	811.00	637.30	714.20	698.70	583.90	727.30	532.40	689.00	498.70	7,319.80
<b>Total</b>	<b>2,003.76</b>	<b>2,051.79</b>	<b>1,914.40</b>	<b>1,844.92</b>	<b>1,900.84</b>	<b>2,257.37</b>	<b>2,212.99</b>	<b>1,986.08</b>	<b>1,616.01</b>	<b>980.76</b>	<b>1,018.78</b>	<b>1,065.76</b>	<b>20,853.46</b>

\*Groundwater usage is part of the Goldsworthy Desalter project.

\*\* All recycled water purchased is for the West Coast Seawater Barrier.



Type of Water Supply	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	Ten Year Averages
Groundwater*	-	2,451	2,917.87	2,497.05	2,250.46	1,936.07	-	-	-	-	1,205.29
Non-Interruptible**	18,124.43	17,876.77	15,769.16	11,399.72	13,722.31	11,161.68	7,608.68	9,773.57	13,054.18	13,533.66	13,202.42
Seasonal Shift	-	-	-	-	-	-	-	-	-	-	-
Seasonal Long Term	-	-	-	-	-	-	-	-	-	-	-
Recycled Water***	7,289.50	6,754.30	3,934.70	3,799.20	4,383.10	9,104.00	11,129.00	7,652.30	7,796.60	7,319.80	6,916.25
<b>Total</b>	<b>25,413.93</b>	<b>27,082.53</b>	<b>22,621.73</b>	<b>17,695.97</b>	<b>20,355.87</b>	<b>22,201.75</b>	<b>18,737.68</b>	<b>17,425.87</b>	<b>20,850.78</b>	<b>20,853.46</b>	<b>21,323.96</b>

\*Groundwater purchased is for the WRD Goldsworthy Desalter.

\*\*Non-Interruptible water purchased is for the West Coast and Dominguez Gap Seawater Barriers.

\*\*\*All recycled water purchased is for the West Coast Seawater Barrier.

# West Basin Local Supply Program

## *Current & Planned Projects*

In 2009, West Basin completed a Capital Implementation Master Program (CIMP). The CIMP includes all of the planned projects for recycled water and desalination through the year 2030. The WR2020 program includes doubling recycled water deliveries by the year 2020, and the projects that will achieve this goal are described in detail in the CIMP. The major recycled water capital projects taking place in the more immediate term are explained in further detail below.

### **ECLWRF Phase V Expansion**

With the completion of the ECLWRF Phase V Expansion in 2012, West Basin is looking toward increasing its ability to provide enough recycled water to meet 100 percent of the West Coast Seawater Barrier's needs. The Phase V Expansion Project will increase barrier water production at the ECLWRF by up to an additional 5 mgd and serve the El Segundo Energy Center with 0.5 mgd of single-pass RO water. The Phase V Expansion will also expand ECLWRF's tertiary treatment system by an additional 10 mgd.

### **Hyperion Secondary Effluent Pump Station Expansion**

As West Basin's recycled water production continues to increase, the demand for Hyperion's effluent will eventually exceed the capacity of the Hyperion Secondary Effluent Pump Station. A pump station expansion would be able to provide a capacity of up to 70 mgd for ECLWRF. West Basin is working closely with Los Angeles Department of Water & Power, the provider of electrical power to the pump station, to also construct a second electrical feeder to the pump station that will also increase the reliability of the pumping facilities.

## **Harbor-South Bay Recycled Water Expansion Project**

The Harbor-South Bay Recycled Water Expansion Project is a partnership between West Basin and the United States Army Corps of Engineers (USACE) to both expand West Basin's current recycled water distribution system as well as to provide an improvement in overall system reliability. This expansion will be able to bring additional recycled water supplies to the cities of Carson, Torrance, Palos Verdes, Gardena, and unincorporated areas of Los Angeles County.

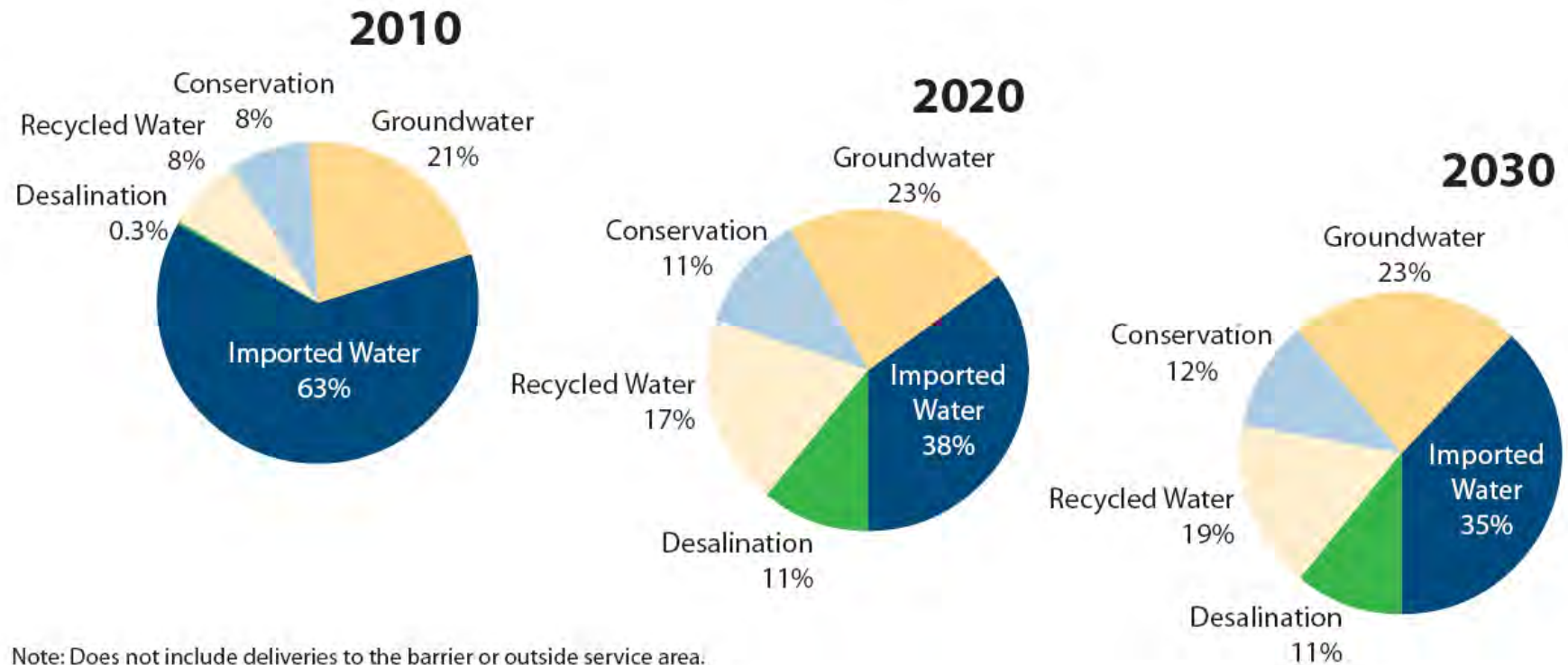
## **Treatment/Conveyance Facility Repair, Replacement, and Improvements**

Multiple improvements are under consideration for West Basin's treatment and conveyance system facilities. These improvements will enhance the safety, operability and efficiency of both the distribution system and treatment facilities. Some improvements will be made to comply with safety, water quality or other regulatory requirements or will be done to lower operating costs or improve equipment life.

## **Conveyance Facility Corrosion Protection Improvements**

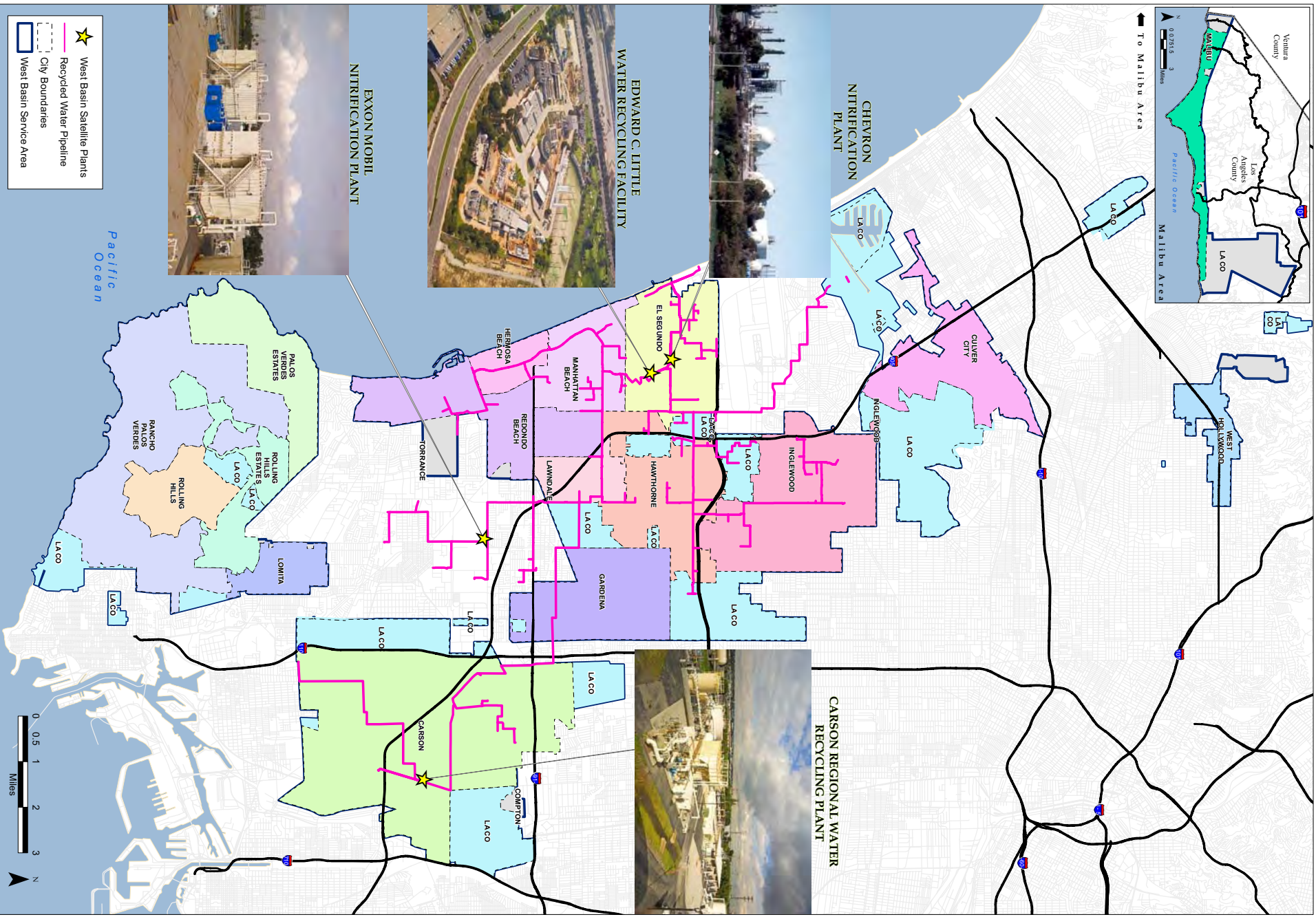
As a result of a study completed by West Basin, various cathodic protection improvements were identified that would ensure the integrity of West Basin's recycled water facilities. These improvements will be implemented periodically.

The expansion of local supplies will enable West Basin to meet its goal of a diversified water supply portfolio to enhance the region's reliability.



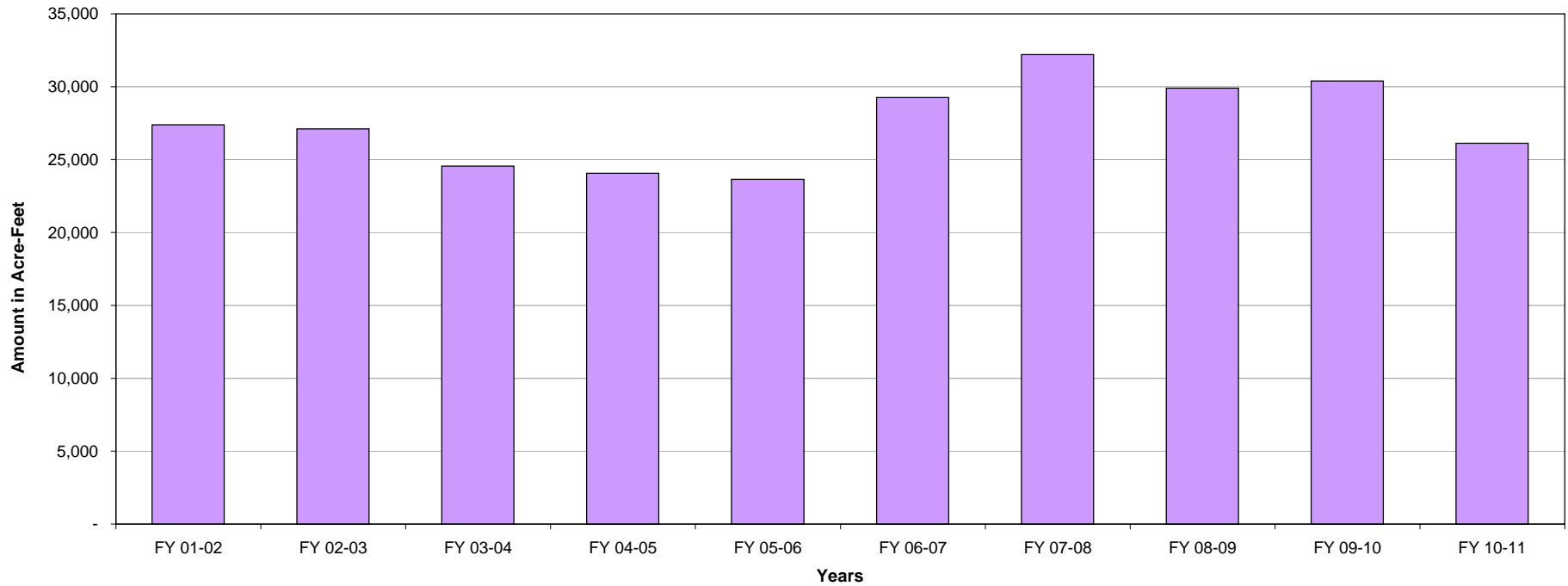


# West Basin Municipal Water District Satellite Plants





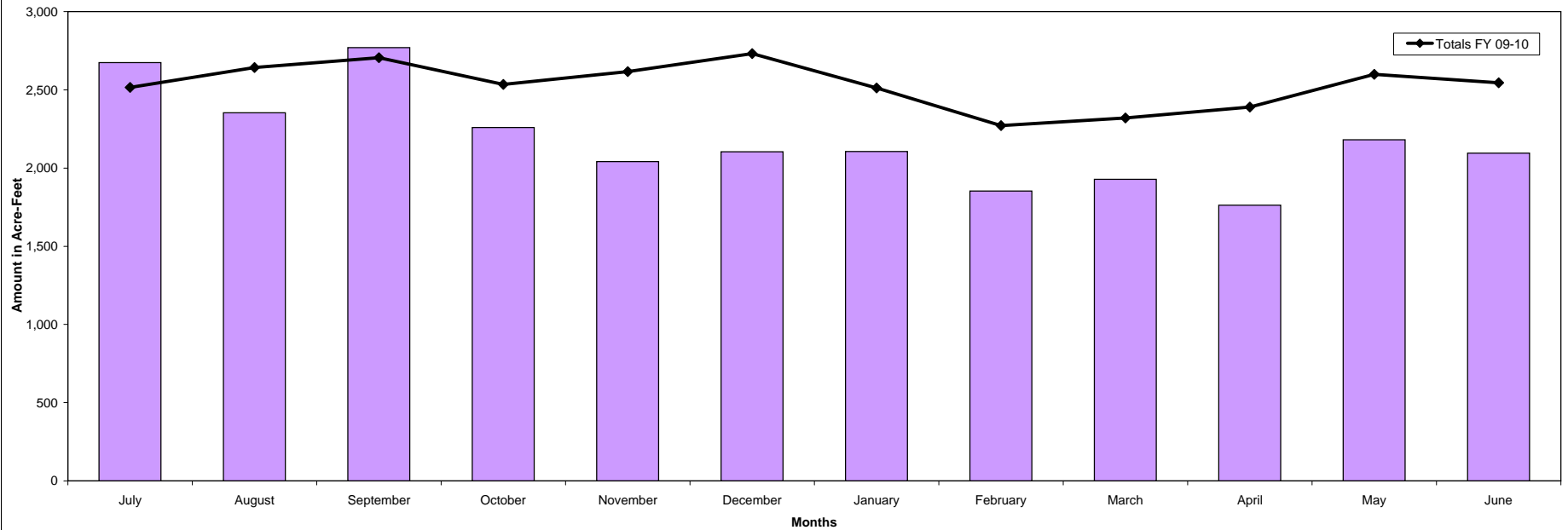
**West Basin MWD  
10 Year Recycled Water Sales**



West Basin MWD	FY 01-02	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	TOTAL
CWS - Dominguez	3,165.26	3,100.51	3,639.38	3,615.50	3,665.49	3,610.23	4,690.03	5,292.89	4,958.66	4,391.87	40,129.82
CWS - Hawthorne	116.45	100.58	111.77	110.64	111.04	117.72	84.79	98.61	90.38	79.20	1,021.18
CWS - Hermosa Redondo	130.38	130.49	143.63	106.89	119.05	140.88	144.52	162.55	150.20	132.73	1,361.32
City of El Segundo	7,632.14	8,102.17	8,310.17	7,868.41	7,404.51	8,200.97	7,864.89	8,977.91	9,034.50	6,637.52	80,033.19
City of Inglewood	706.74	577.13	637.95	594.53	568.00	797.06	649.96	679.84	621.30	606.42	6,438.93
City of Manhattan Beach	306.69	254.10	301.45	273.63	249.48	316.25	287.93	251.37	264.00	263.93	2,768.83
City of Torrance	116.96	144.18	195.72	186.48	253.31	284.75	311.30	277.42	271.97	234.42	2,276.51
City of Torrance - Mobil	7,211.74	7,328.49	6,385.24	6,734.75	6,155.87	5,774.39	6,077.87	5,598.73	6,172.62	5,550.53	62,990.23
Golden State Water Company	282.36	314.76	431.66	434.84	429.41	522.75	552.42	410.00	360.07	147.50	3,885.77
Inglewood Unified School District*	30.56	29.97	67.39	59.63	57.10	67.74	55.91	62.42	55.64	-	486.36
LA Dept. of Water and Power	398.24	277.31	393.90	283.31	256.60	313.28	360.35	444.11	608.21	762.80	4,098.11
Water Replenishment District	7,289.50	6,754.30	3,934.70	3,799.20	4,383.10	9,104.00	11,129.00	7,652.30	7,796.60	7,319.80	69,162.50
West Basin Inland Use	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>27,387.02</b>	<b>27,113.99</b>	<b>24,552.96</b>	<b>24,067.81</b>	<b>23,652.96</b>	<b>29,250.02</b>	<b>32,208.97</b>	<b>29,908.15</b>	<b>30,384.15</b>	<b>26,126.72</b>	<b>274,652.75</b>

\* The value for FY 10-11 is included in the value for the City of Inglewood as of this year.

**West Basin MWD  
Recycled Water Sales  
FY 2010-11**

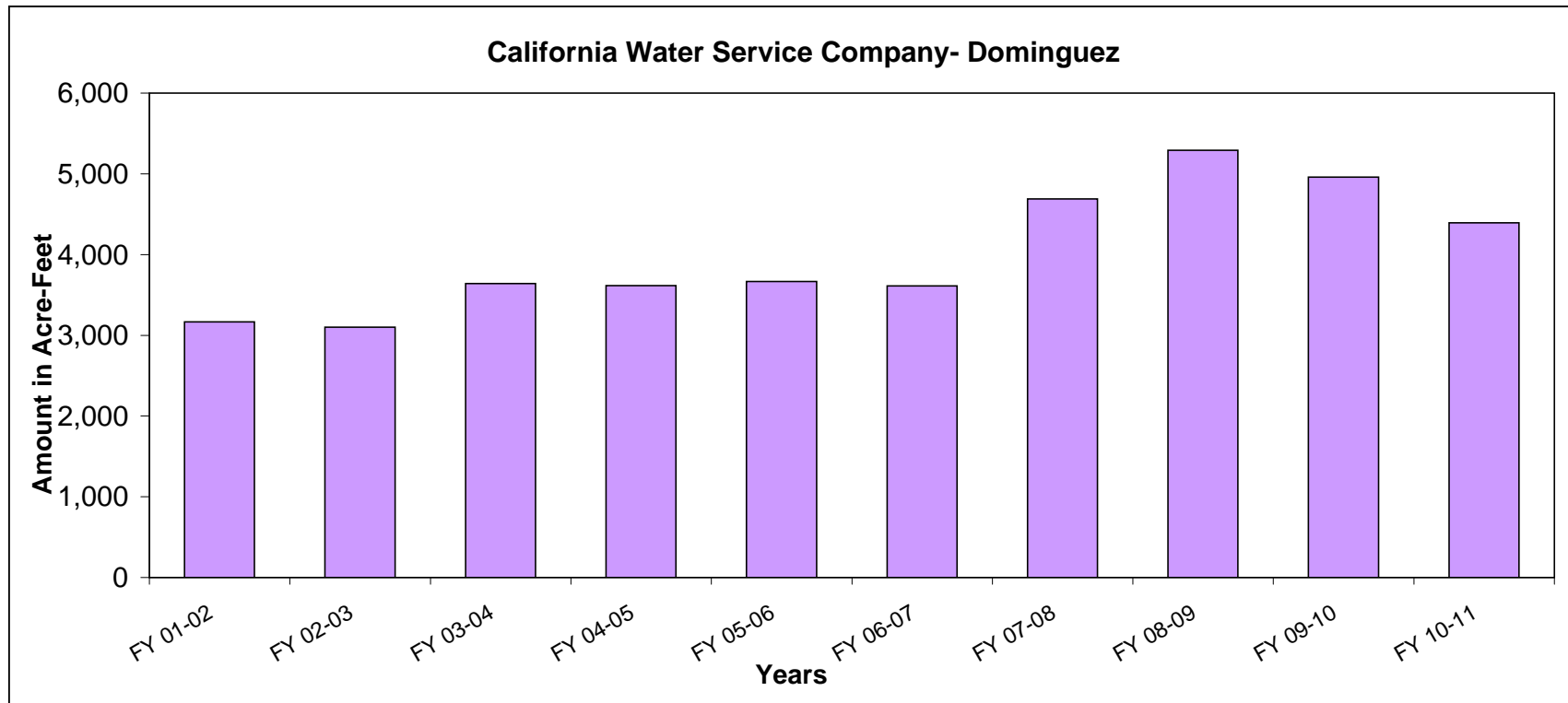


West Basin MWD	FY 2010-11												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
CWS - Dominguez	323.66	398.96	446.88	287.13	408.70	369.63	366.34	338.59	308.50	337.62	328.71	477.15	4,391.87
CWS - Hawthorne	11.05	10.86	13.05	8.01	5.14	4.19	1.21	3.43	2.16	2.60	8.07	9.43	79.20
CWS - Hermosa Redondo	18.08	16.13	18.04	12.89	5.33	6.85	1.63	7.11	4.45	6.05	17.03	19.14	132.73
City of El Segundo	847.62	792.53	790.10	461.78	437.69	525.32	560.70	472.49	413.50	369.11	490.52	476.16	6,637.52
City of Inglewood	80.73	125.00	89.73	30.59	37.60	16.46	5.84	18.64	3.96	45.80	97.79	54.28	606.42
City of Manhattan Beach	37.39	39.22	30.54	20.51	15.20	14.75	5.66	12.16	11.55	21.48	20.55	34.92	263.93
City of Torrance	31.86	26.59	35.13	27.07	12.06	13.08	8.29	14.81	5.29	20.06	26.71	13.47	234.42
City of Torrance - Mobil	626.74	621.75	594.80	542.94	373.98	410.00	429.14	359.10	412.20	371.28	398.90	409.70	5,550.53
Golden State Water Company	25.59	22.55	21.23	13.29	9.60	6.64	2.22	9.20	4.94	8.14	18.55	5.55	147.50
LA Dept. of Water and Power	101.61	79.84	92.66	43.83	98.58	22.59	26.75	32.91	34.79	47.19	85.28	96.77	762.80
Water Replenishment District	569.20	219.90	638.20	811.00	637.30	714.20	698.70	583.90	727.30	532.40	689.00	498.70	7,319.80
<b>Total</b>	<b>2,673.53</b>	<b>2,353.33</b>	<b>2,770.36</b>	<b>2,259.04</b>	<b>2,041.18</b>	<b>2,103.71</b>	<b>2,106.48</b>	<b>1,852.34</b>	<b>1,928.64</b>	<b>1,761.73</b>	<b>2,181.11</b>	<b>2,095.27</b>	<b>26,126.72</b>

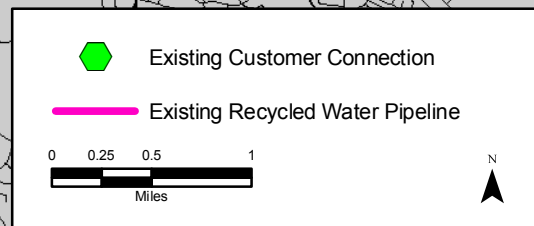
## Recycled Water Use

California Water Service Company- Dominguez		Total Use FY 2010-11
1	Anschutz So Cal Sports	46.74
2	Avalon Median N/Elsmere	12.88
3	BP Refinery - Nitrification	887.46
4	BP Refinery - R/O	3,085.17
5	Cal State Univ Dominguez	150.73
6	Goodyear	42.63
7	Sunny Glenn Park	8.79
8	Victoria Golf Course	157.47
<b>Total</b>		<b>4,391.87</b>

The map on the following page corresponds to the numbers listed in the left column in the table above.



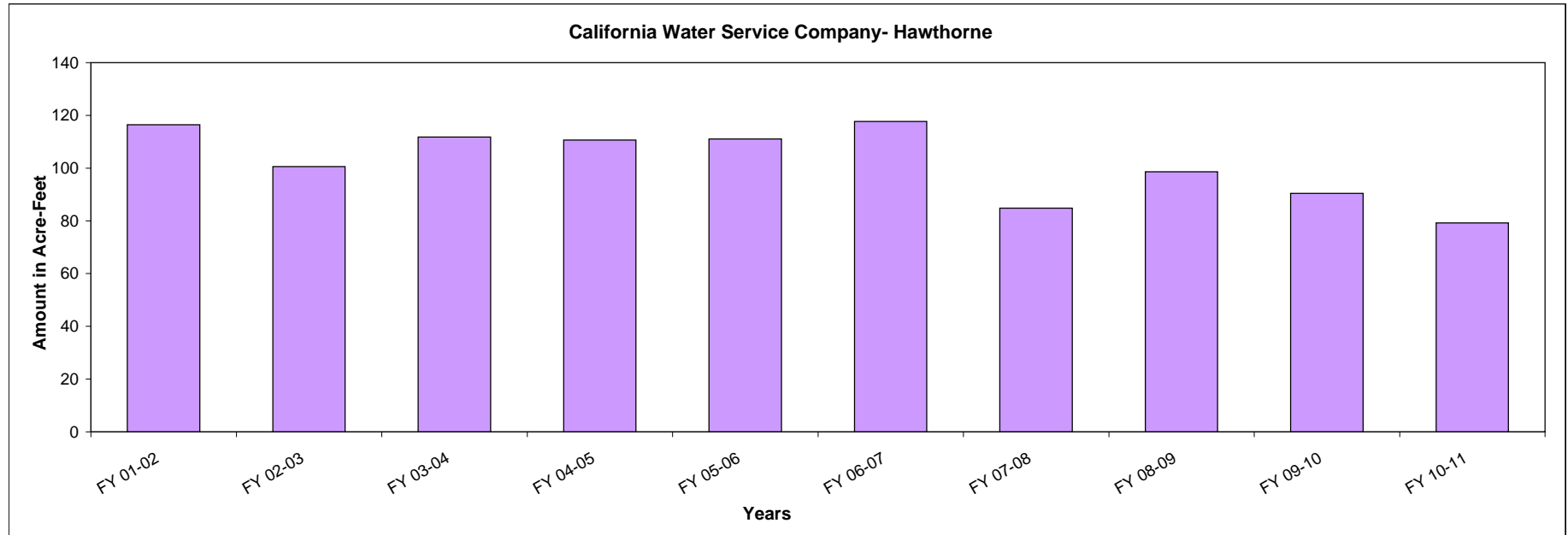
# CALIFORNIA WATER SERVICE COMPANY - DOMINGUEZ



## Recycled Water Use

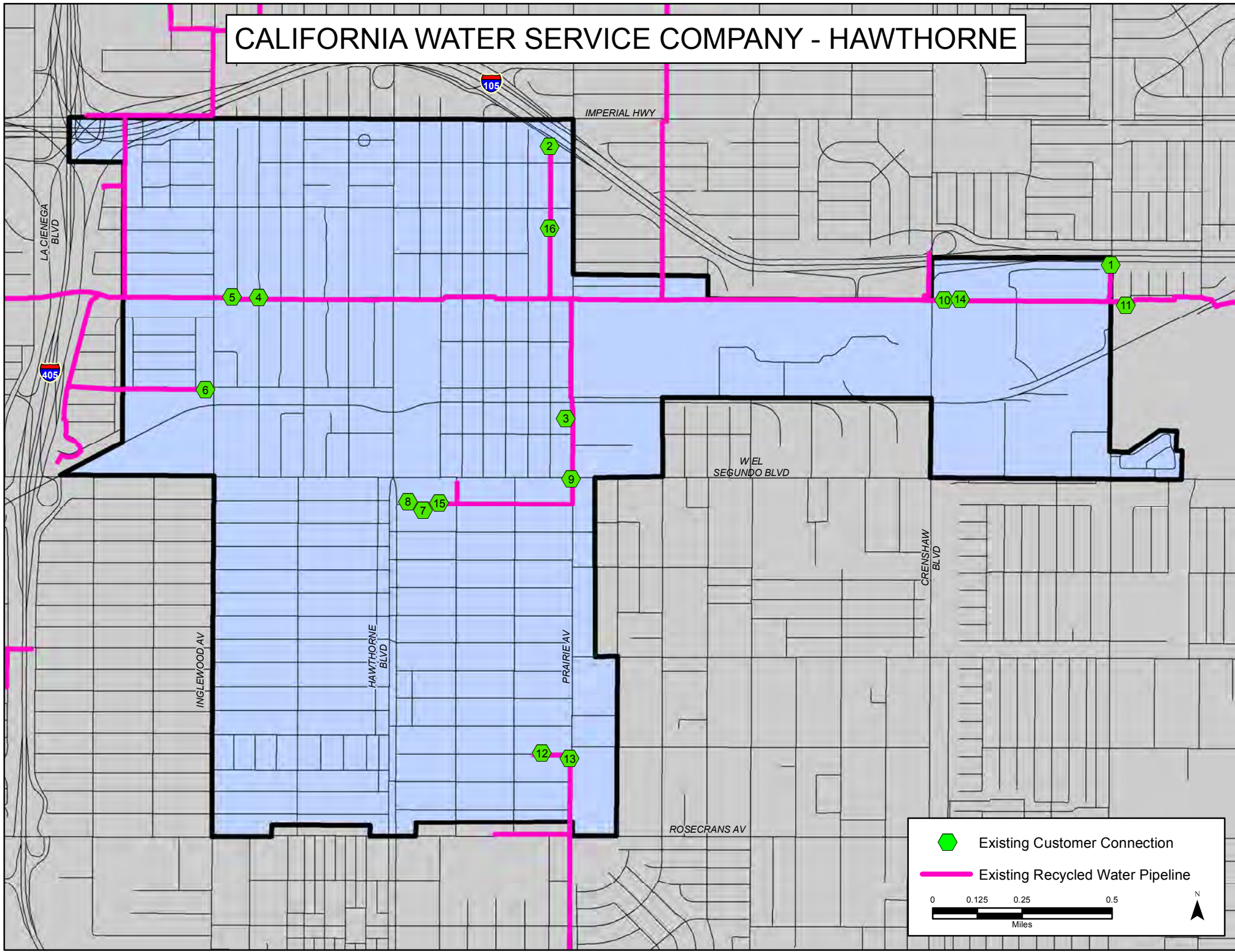
California Water Service Company- Hawthorne		Total Use FY 2010-11
1	Caltrans (I-105/Van Ness)	-
2	Caltrans (I-105/York St.)	-
3	City of Hawthorne	3.72
4	Eucalyptus Avenue School	6.35
5	Eucalyptus Park	5.95
6	Hawthorne High School	13.96
7	Hawthorne Intermediate School	4.14
8	Hawthorne Medians	9.22
9	Hawthorne Memorial Park	-
10	Hawthorne Municipal Airport	0.37
11	Holly Park	16.47
12	Jefferson School	2.23
13	Jim Thorpe Park	9.55
14	Lowe's	1.44
15	Washington Avenue School	1.78
16	York Avenue School	4.02
<b>Total</b>		<b>79.20</b>


The map on the following page corresponds to the numbers listed in the left column in the table above.






# CALIFORNIA WATER SERVICE COMPANY - HAWTHORNE




 Existing Customer Connection

 Existing Recycled Water Pipeline

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Miles

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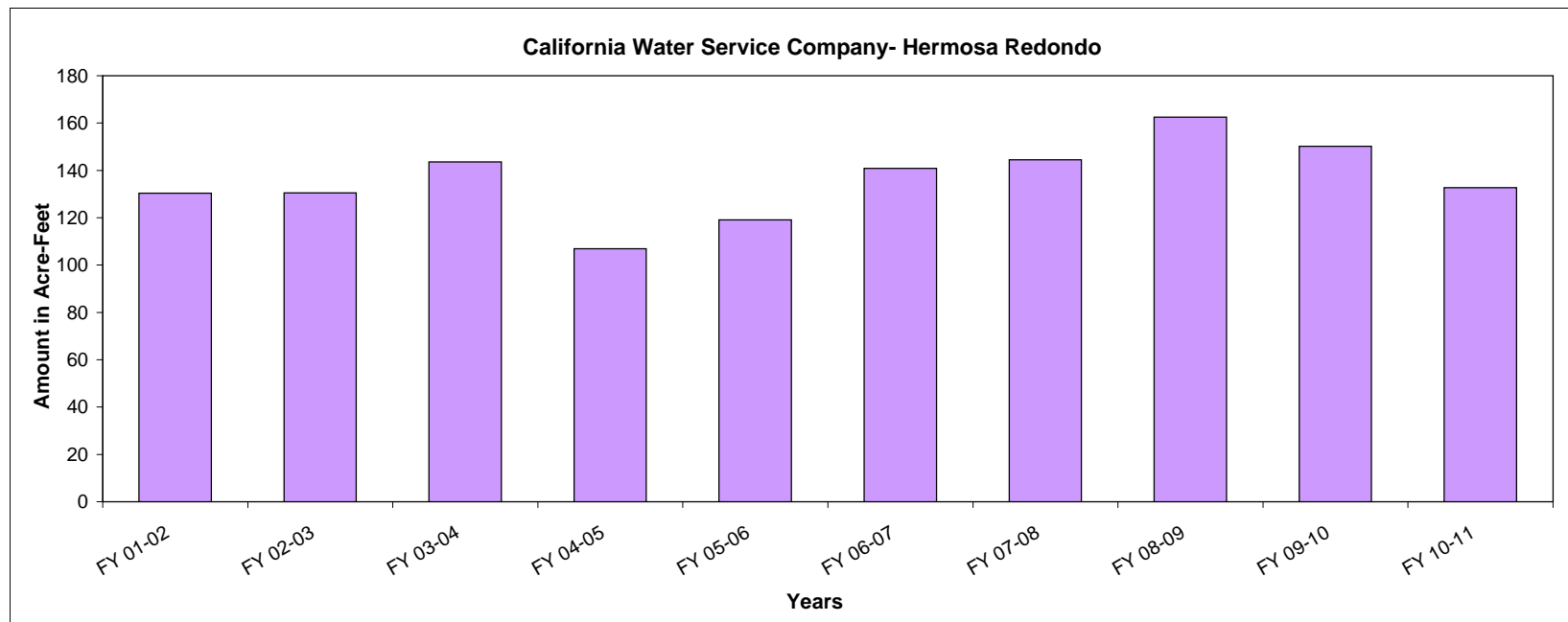


## Recycled Water Use

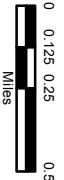
California Water Service Company- Hermosa Redondo		Total Use FY 2010-11
1	190th St./Prospect Ave Medians (400 Blk)	1.19
2	Aviation Park	7.92
3	City of Hermosa Beach*	0.95
4	Clark Park	6.81
5	Dominguez Park	24.49
6	Hermosa Beach Greenbelt	22.84
7	Hermosa Beach Community Center	3.50
8	Hermosa Beach Library And City Hall	0.38
9	Hermosa Valley Elementary School	9.51
10	Hermosa Valley Park II	25.49
11	Herondo/Francisca Median	0.60
12	PCH/190th St. Median	0.10
13	PCH/Herondo-King Harbor Park	1.62
14	Redondo Beach School District	14.71
15	Redondo Technology Center	3.35
16	South Park -Hermosa Beach	9.27
<b>Total</b>		<b>132.73</b>

\* This is a new customer connection.

The map on the following page corresponds to the numbers listed in the left column in the table above.



## ROSECRANS AV



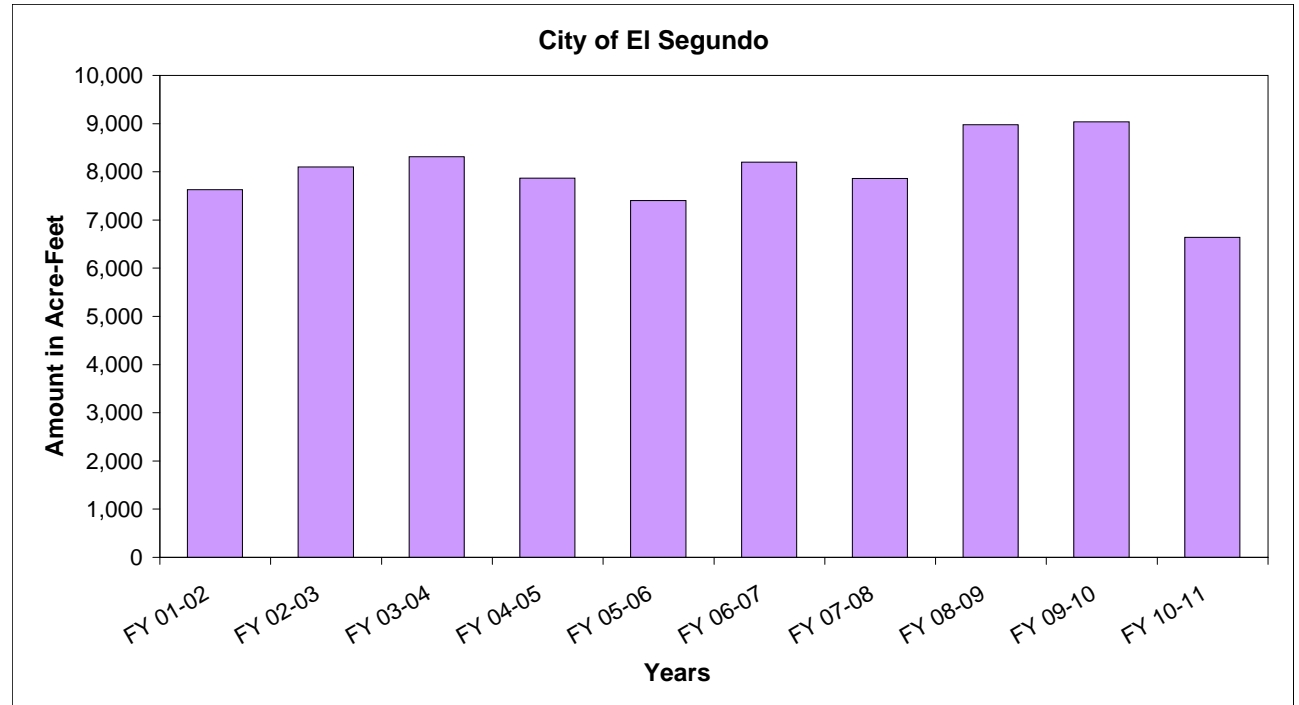
## New FY 10/11 Customer Connection

## Existing Recycled Water Pipeline

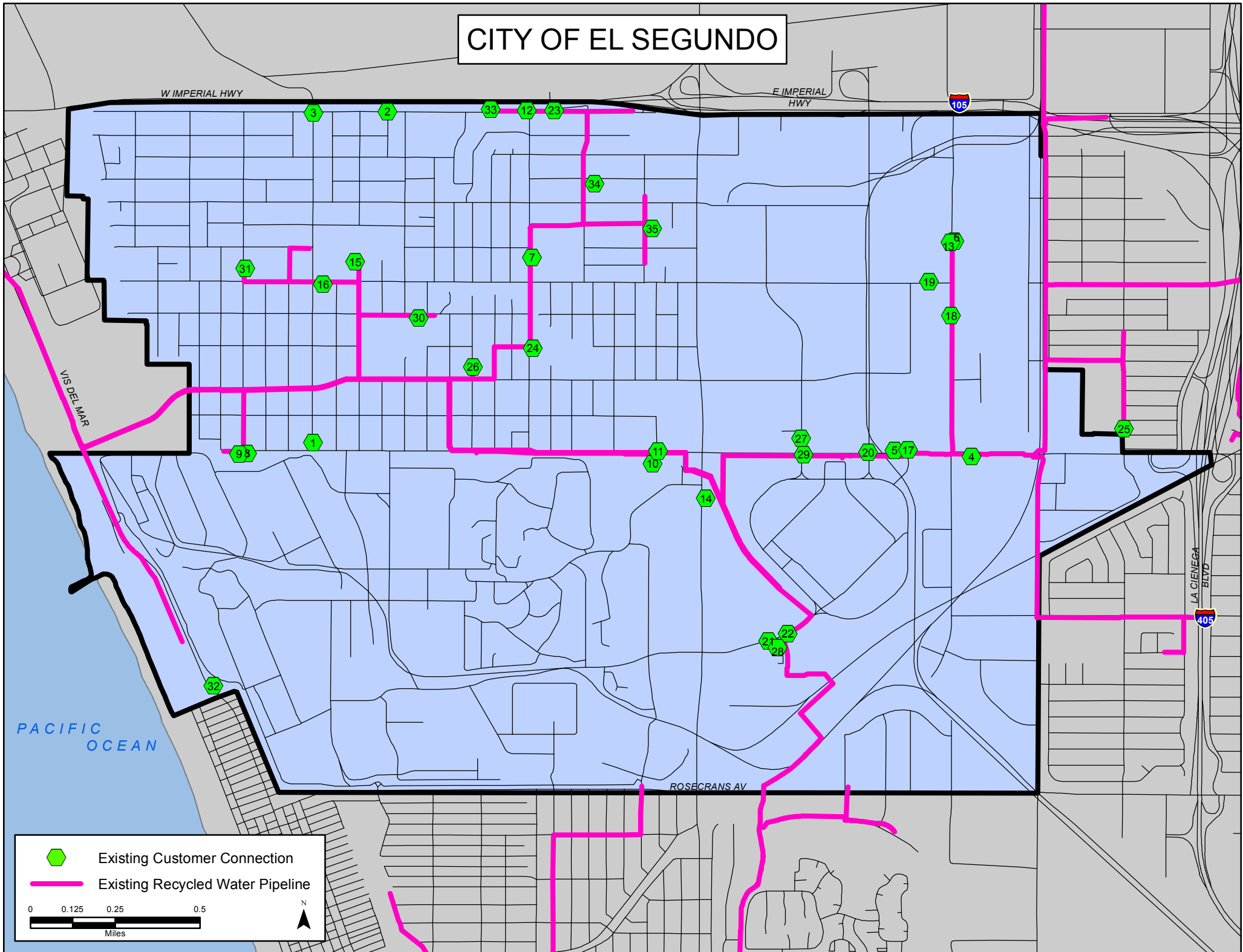
## Recycled Water Use

City of El Segundo		Total Use FY 2010-11
1	350 Main St/Parks	21.31
2	351 Main St/Parks	7.73
3	352 Main St/Parks	0.25
4	Aerospace Corp.	48.18
5	Bell Industries	2.23
6	Campus El Segundo	9.93
7	Center Elementary School	15.00
8	Chevron (HP)	2,481.10
9	Chevron (LP)	1,548.40
10	Chevron Irrigation	76.92
11	Chevron Nitrification Plant	2,133.40
12	City Storm Water Detention	-
13	El Segundo Association	11.38
14	El Segundo Golf Course	54.54
15	El Segundo High School	12.55
16	El Segundo Library Park	5.38
17	El Segundo Medians	1.66
18	Equinox Operating Co.	16.79
19	Fire Station #2	0.72
20	Hughes Way	14.07
21	Hughes Way Median	4.34
22	Hughes Way Storm Drain Plant # 18	1.10
23	Imperial Ave. Parkway	3.64
24	LA Raiders Headquarters	13.95
25	LAAFB	2.24
26	Maryland Hilltop Park	1.87
27	Nash & Continental Medians	6.76
28	Plaza El Segundo	16.25
29	Raytheon	51.81
30	Recreation Park -El Segundo	30.92
31	Richmond School	6.03
32	So. Cal Edison -El Segundo Generation Station	16.55
33	Storm Drain Plant 17	-
34	Sycamore Park	2.07
35	Washington Park	18.45
<b>Total</b>		<b>6,637.52</b>

The map on the following page corresponds to the numbers listed in the left column in the table above.



# CITY OF EL SEGUNDO

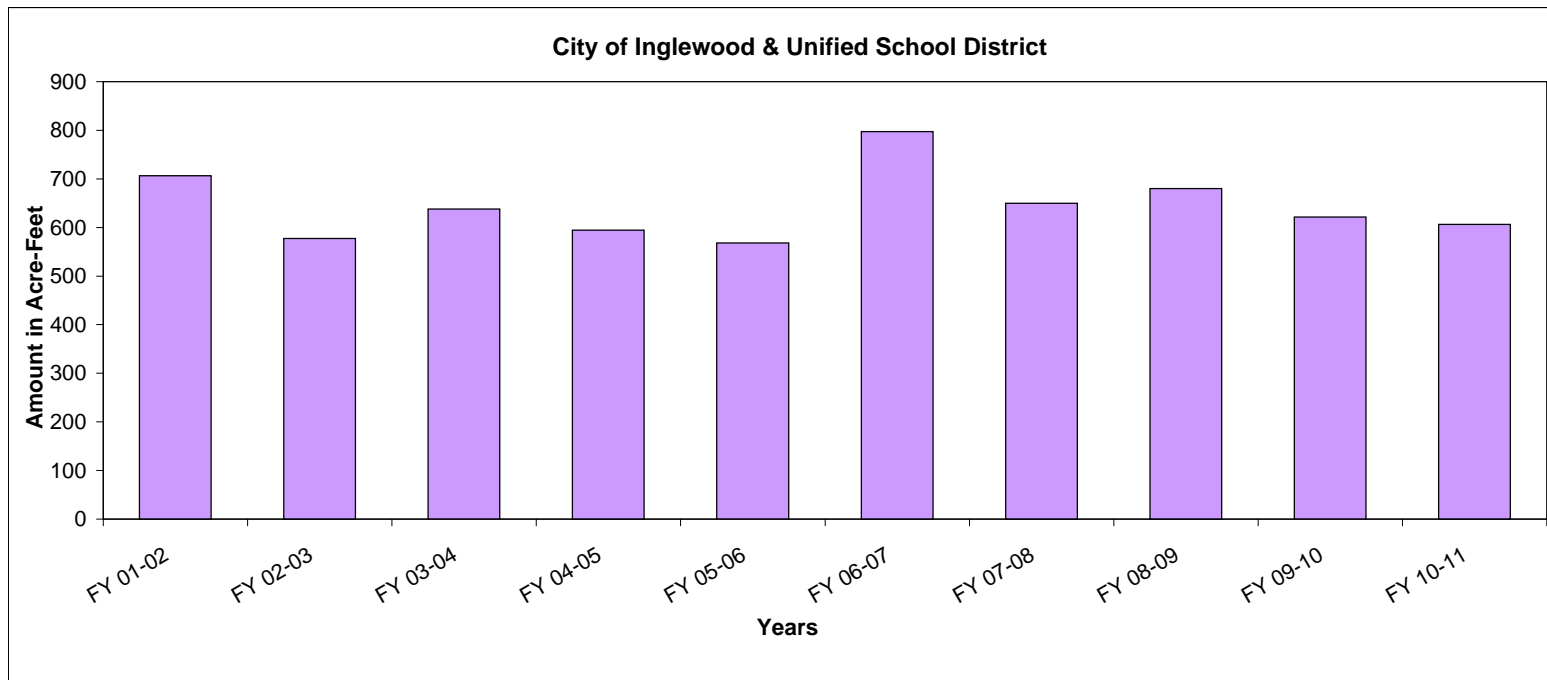


## Recycled Water Use

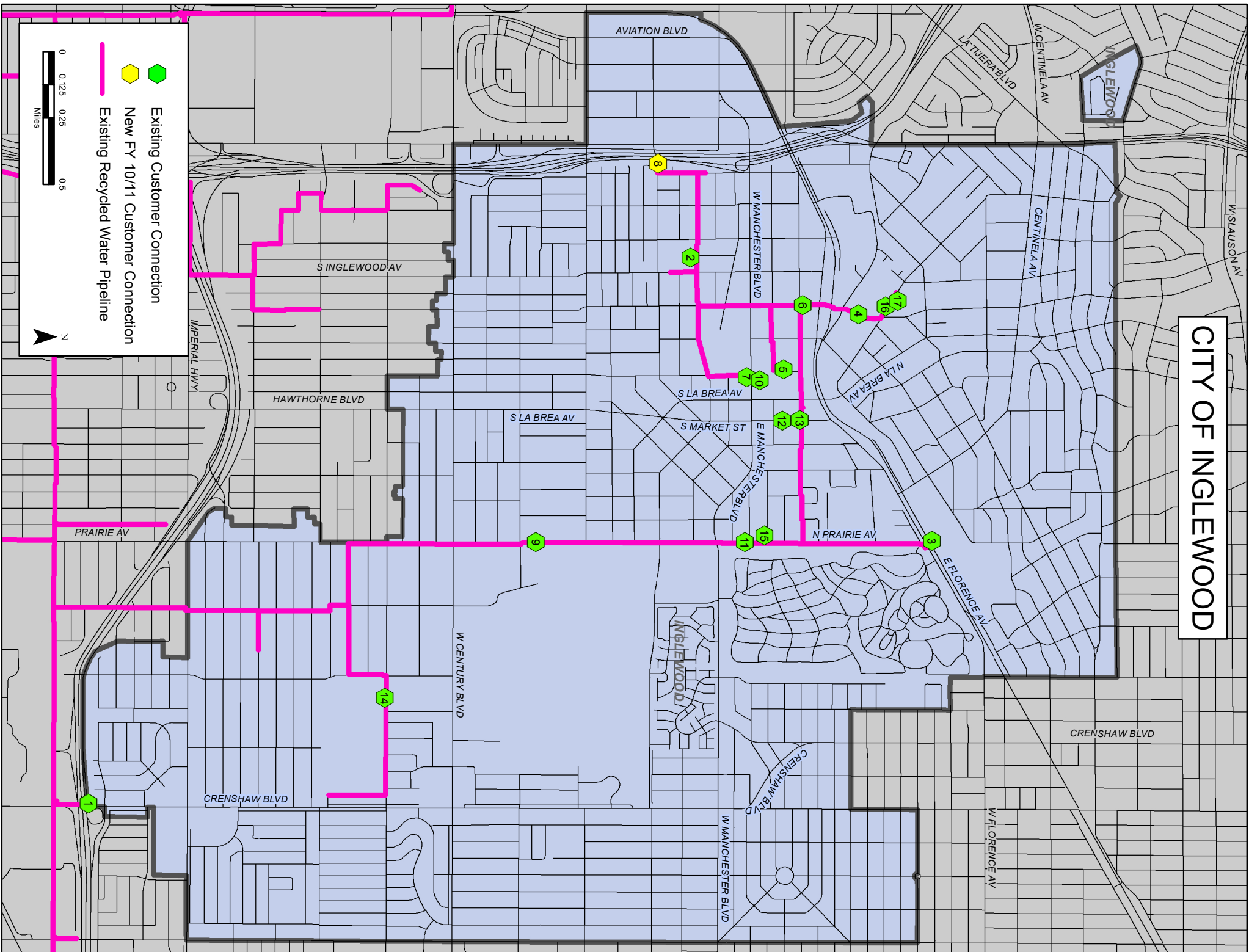
City of Inglewood & Unified School District		Total Use FY 2010-11
1	Caltrans (I-105/Crenshaw)	-
2	Caroline Coleman Stadium	9.55
3	Centinela (Vincent) Park	83.06
4	City Service Yard	0.06
5	Crozier Jr. High	6.15
6	Florence Median	1.27
7	Grevillea Mall Park	5.23
8	Hillcrest*	0.03
9	Hollywood Park	15.82
10	Inglewood City Hall	7.68
11	Inglewood Park Cemetery	396.52
12	Manchester	24.48
13	Market Street Medians	2.65
14	Morningside School	38.13
15	Queen Park	-
16	Rogers Park	12.42
17	Water Treatment Plant	3.37
<b>Total</b>		<b>606.42</b>

\* This is a new customer connection.

The map on the following page corresponds to the numbers listed in the left column in the table above.



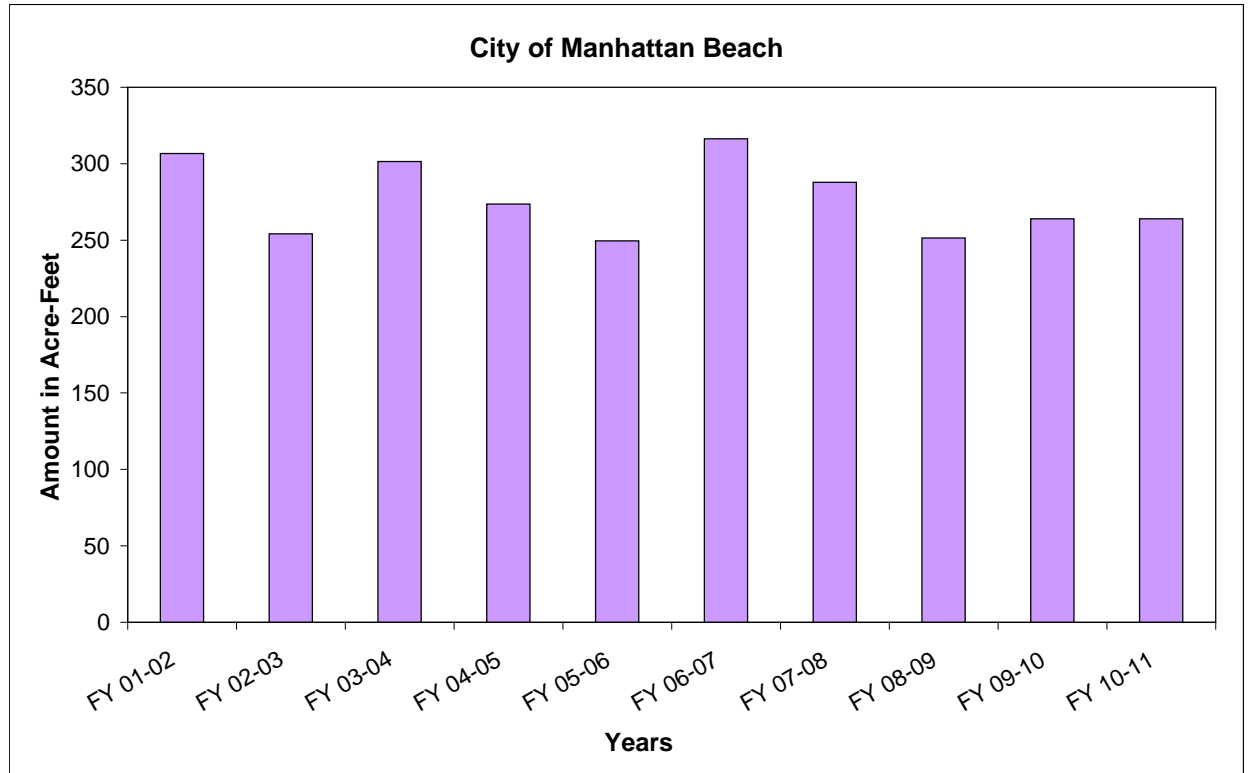
# CITY OF INGLEWOOD



## Recycled Water Use

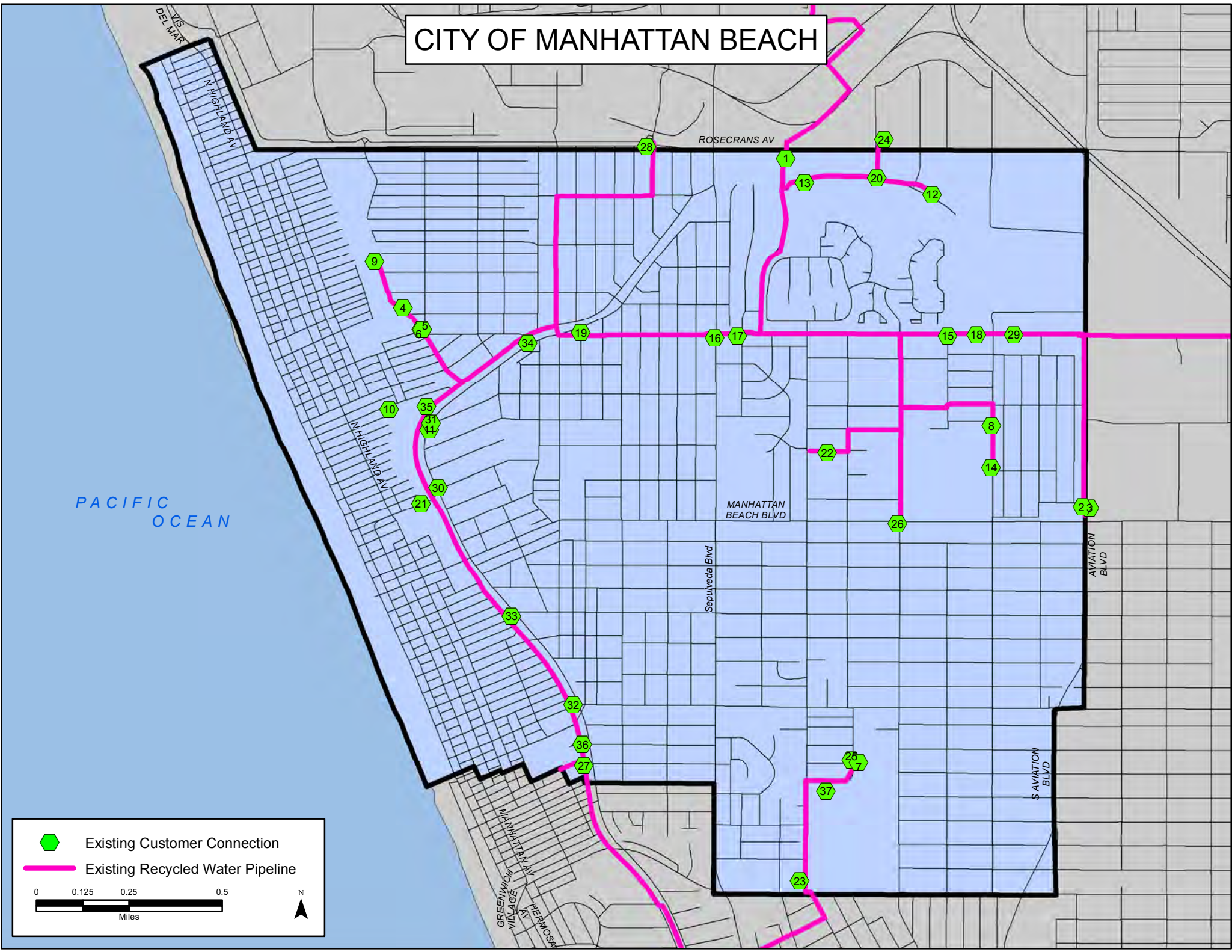
City of Manhattan Beach		Total Use FY 2010-11
1	1230 Rosecrans	4.98
2	1508 Aviation	0.14
3	2202 Aviation	0.20
4	2511 Bell Ave., (Grand View/Ladera)	7.39
5	2632 Bell Ave. E, (Grand View/Ladera)	6.61
6	2632 Bell Ave. W, (Grand View/Ladera)	0.60
7	325 S. Peck	4.07
8	Begg Elementary School	5.38
9	Bell Ave. S. of Park	10.41
10	Dorsey Field	5.91
11	Live Oak Park	1.91
12	Manhattan Studios	10.90
13	Manhattan Village Park	2.31
14	Mar Brad Middle School - La Marina Field	10.99
15	Marine & Herrin Median	1.43
16	Marine & Sepulveda Median	2.15
17	Marine Avenue Median	2.99
18	Marine Avenue Park	14.81
19	Marine Triangle Median	0.55
20	Marriott Golf	39.93
21	MB Fire & Police Landscape	2.41
22	Meadows Elementary School	5.34
23	Mira Costa High School	25.20
24	Parkview	-
25	Pennekamp Elementary School	12.95
26	Polliwog Park	28.89
27	Robinson Elementary School	5.48
28	Rosecrans Medians @ Pine	0.98
29	Sports Park	12.85
30	Valley/Ardmore Greenbelt @ 15Th St.	4.98
31	Valley/Ardmore Greenbelt @ 19Th St.	7.23
32	Valley/Ardmore Greenbelt @ 2nd	9.21
33	Valley/Ardmore Greenbelt @ 8Th St.	2.68
34	Valley/Ardmore Greenbelt @ Ardmore	7.95
35	Valley/Ardmore Greenbelt @ M.B.B.S.E.	4.01
36	Valley/Ardmore Greenbelt @ S. of Homer	-
37	Voorhees Sump	0.11
<b>Total</b>		<b>263.93</b>

The map on the following page corresponds to the numbers listed in the left column in the table above.





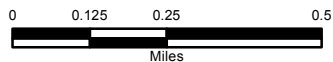
# CITY OF MANHATTAN BEACH



Existing Customer Connection



Existing Recycled Water Pipeline



N



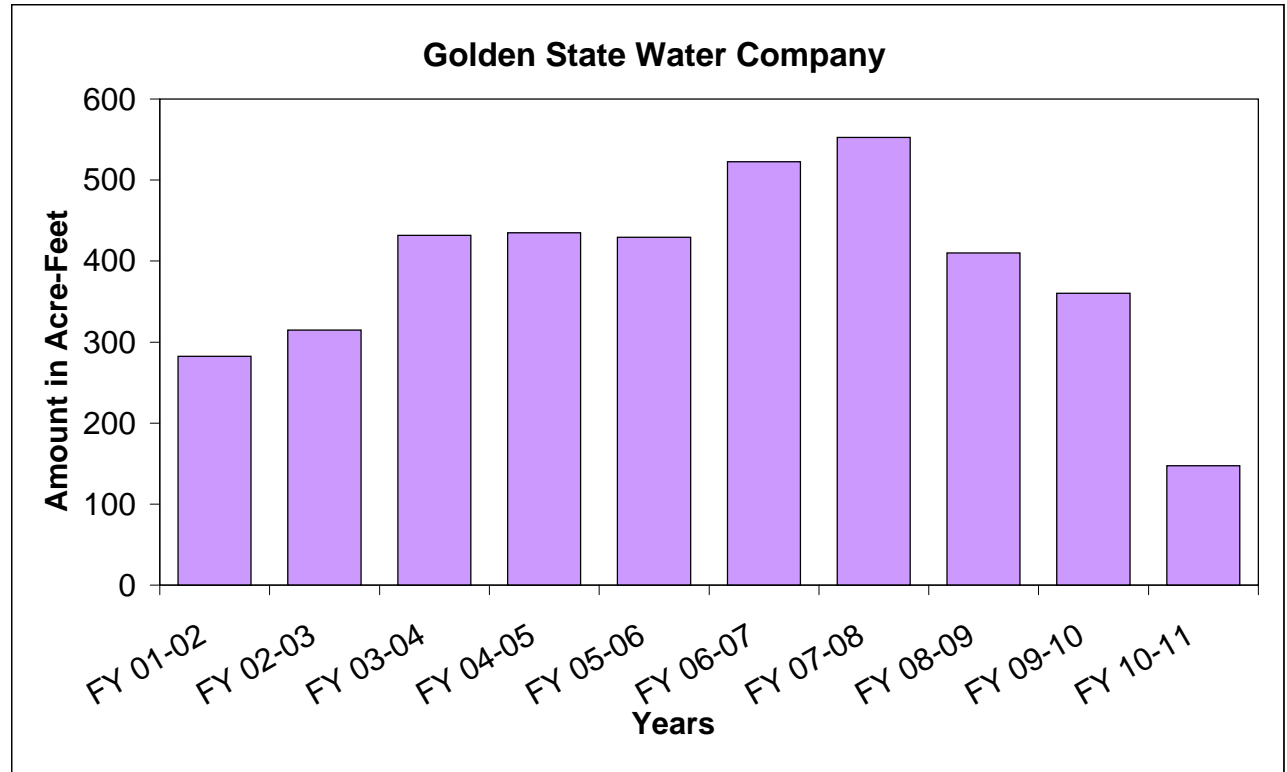
## Recycled Water Use

Golden State Water Company		Total Use FY 2010-11
1	13500 Glasgow	10.15
2	Aerospace Corp.*	5.61
3	Alondra Golf Course	-
4	Alondra Park (West)	25.76
5	Anza Elementary School	7.05
6	Buford Elementary School	3.97
7	Cabrillo Elementary School	5.09
8	Caltrans**	3.43
9	Center Park	4.94
10	Chester Washington Golf Course	6.99
11	City of Lawndale	0.04
12	Condon Park (Lennox Park)	5.70
13	Crenshaw Lumber	0.37
14	Dana-Burnett Elementary School	10.11
15	Del Air Park	3.81
16	Del Aire Assembly of God	1.51
17	Del Taco DT895	4.92
18	El Camino College	1.48
19	Federal Building - Hawthorne	0.53
20	Felton Elementary School	-
21	Hawthorne Blvd/Marine	17.80
22	Holly Glen Park	1.64
23	Jane Addams Park	5.71
24	Lawndale Union High School District Office	8.88
25	Lennox Middle School	1.84
26	Leuzinger High School	0.98
27	Rogers Anderson Park	1.64
28	Sepulveda Elementary School	7.55
<b>Total</b>		<b>147.50</b>

\* This is a new customer connection.

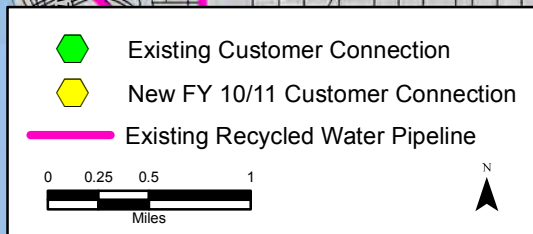
\*\*This data reflects the total for multiple meter connections.

The map on the following page corresponds to the numbers listed in the left column in the table above.





GOLDEN STATE WATER COMPANY





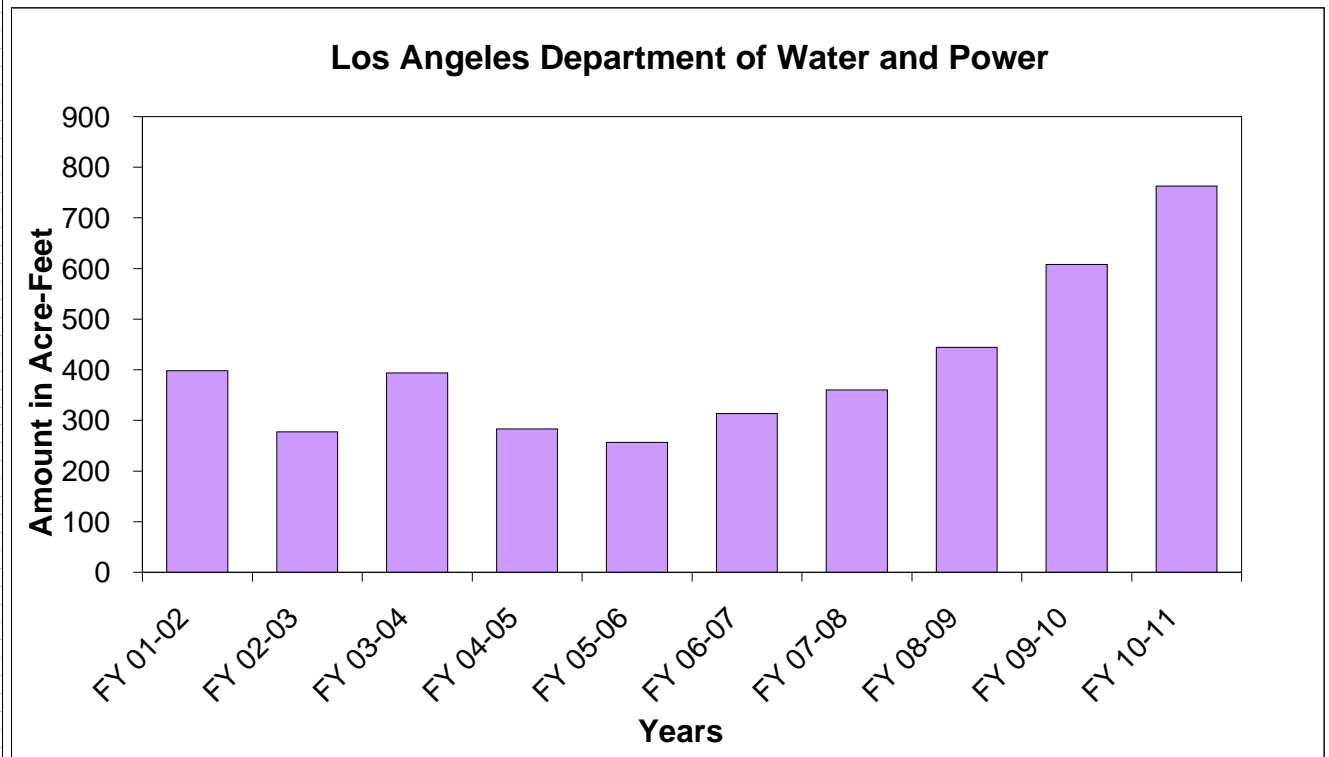
Los Angeles Department of Water and Power		Total Use FY 2010-11
1	11310 Aviation Blvd.	5.34
2	7055 Imperial Hwy - a*	7.42
3	7055 Imperial Hwy - b*	8.95
4	Avalon Maintenance	0.85
5	Bridgeway Mills HOA-1	1.28
6	Bridgeway Mills HOA-2	1.22
7	Bridgeway Mills HOA-3	2.48
8	Campus at Playa -A	8.59
9	Campus at Playa -A1	-
10	Campus at Playa -B	-
11	Campus at Playa Parcel 8	-
12	Campus at Playa Vista	3.75
13	Capri Court HOA	0.48
14	Capri Court II Corp.	1.95
15	Carabella Community	5.06
16	Carl Neilson Youth Park	11.62
17	Catalina Maintenance Corp.	2.55
18	Chatelaine	0.50
19	Coldwell Banker	1.81
20	Coronado Maintenance Corp.	1.24
21	Crescent Park	0.51
22	Crescent Park East	1.42
23	Crescent Park West	1.26
24	Crescent Walk at Playa	3.07
25	Dreamworks Interactive -1	2.78
26	Dreamworks Interactive -2	0.84
27	Dreamworks Interactive -3	6.68
28	Esplanade Assoc.	1.86
29	Essec Property Trust-1	-
30	Essec Property Trust-2	6.52
31	Finvest Playa -1	3.31
32	Finvest Playa -2	1.18
33	Hyperion Treatment Plant	27.82
34	JLH Realty Constr-1	1.08
35	JLH Realty Constr-2	0.97
36	LA City Bureau Pub Bldgs -1	0.81
37	LA City Bureau Pub Bldgs -2	0.77
38	LAX **	146.92
39	Lincoln ASB - Playa Vista - a*	2.47
40	Lincoln ASB - Playa Vista - b*	2.51
41	Loyola Marymount University	119.74
42	Loyola Marymount University - 2*	28.46
43	Maintenance-6758 Manchester	0.46
44	Maintenance-6930 Manchester	0.44
45	Maintenance-7050 Manchester	0.51
46	Maintenance-7102 Manchester	-
47	Metro Condo Assoc.	2.45
48	Off-Crescent	1.42
49	Paraiso	1.80
50	PH & L Community-1	0.75
51	PH & L Community-2	1.29
52	Playa Capital Co.**	13.64
53	Playa Phase 1	6.08
54	Playa Vista Parks**	67.47
55	Promenade at Playa	1.57
56	PV Campus Parcel 3	7.68
57	PV Campus Parcel 3 LP	6.78
58	PV Campus Parcel 3 LP-a	0.88
59	PV Campus Parcel 3 LP-b	0.95
60	Scattergood -11000 Vista	13.52
61	Scattergood- 7501 Grand	9.71
62	Scattergood- 7515 Grand	5.55
63	Serenade Community Assoc.	1.95
64	Sunrise Playa Vista Senior	1.24
65	Tapestry Maint.	1.39
66	Tapestry Maint - 2	1.98
67	Tempo Comm. Ctr.	1.60
68	The Lee Group	0.88
69	The Parking Spot	0.78
70	Villa D'Este Corp.	1.19
71	Villa Savona Maint Corp.	0.89
72	Warmington PV	1.47
73	Waterstone Condo Assoc.	1.13
74	Westchester Golf Course	146.94
75	Westchester Park	31.56
76	William J. Hoffman-Receiver*	0.78
<b>Total</b>		<b>762.80</b>

\* This is a new customer connection.

\*\*This data reflect the total for multiple meter connections.

The map on the following page corresponds to the numbers listed in the left column in the table above.

## Recycled Water Use



**LOS ANGELES DEPARTMENT OF WATER AND POWER**

**Legend:**

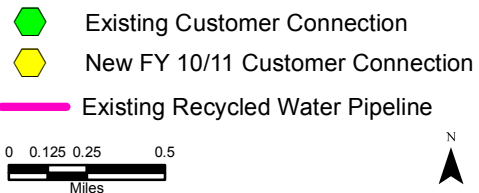
- Existing Customer Connection (Green hexagon)
- New FY 10/11 Customer Connection (Yellow hexagon)
- Existing Recycled Water Pipeline (Pink line)

**Scale:** 0 0.125 0.25 0.5 Miles

**North Arrow:** N

**Map Labels:** PACIFIC OCEAN, VIS DEL MAR, PERSHING DR, CULVER BLVD, W JEFFERSON BLVD, W CENTINELA AV, CENTINELA AV, W MANCHESTER BLVD, S SEPULVEDA BLVD, LA TIJERA BLVD, AIRPORT BLVD, W MANCHESTER AV, W CENTURY BLVD, AVIATION BLVD, E IMPERIAL HWY, W IMPERIAL HWY, S SINGLEWOOD AV.

**Map Features:** The map shows a network of pink lines representing recycled water pipelines and numbered green and yellow hexagons representing customer connections. The map is bounded by the Pacific Ocean to the west and the Los Angeles River to the south. Major streets like E Imperial Hwy and W Century Blvd are shown.

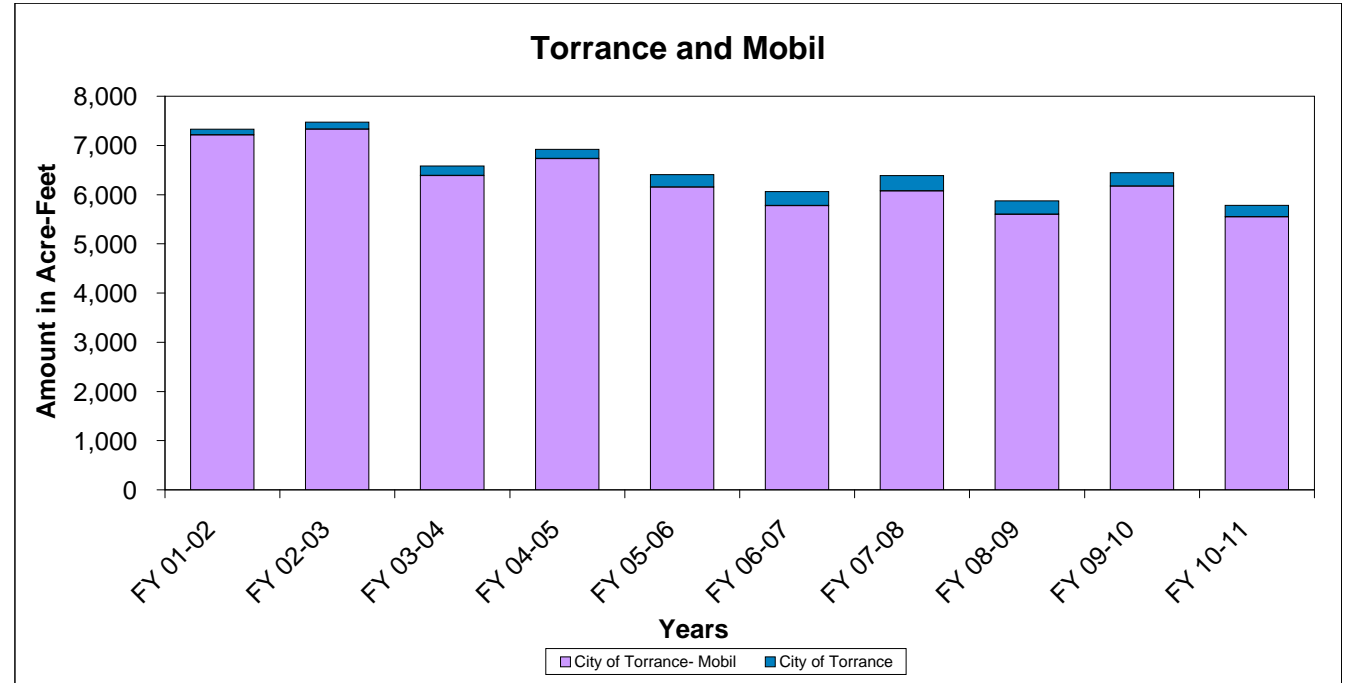




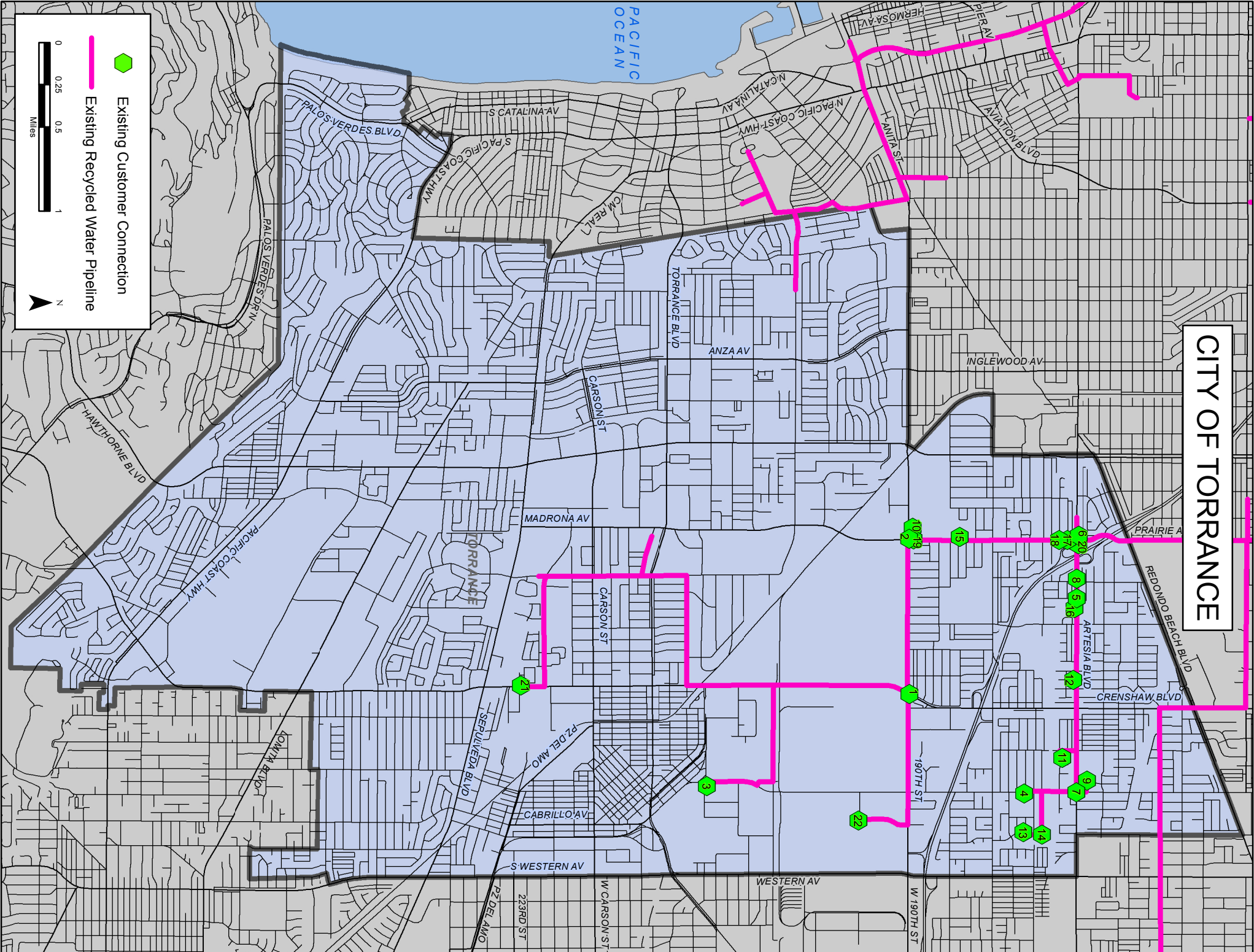
## Recycled Water Use

Torrance and Mobil		Total Use FY 2010-11
<u>City of Torrance</u>		
1	190th St, 3403 - Median	-
2	190th St, 3403-Median	-
3	American Honda-A	12.98
3	American Honda-B	17.46
4	Arlington School	5.86
5	Artesia Blvd / Kornblum	1.99
6	Artesia Blvd / Prairie	1.18
7	Artesia Blvd / Van Ness	1.04
8	Artesia Blvd Median	1.98
9	Casimir School	6.15
10	Columbia Park	57.40
11	Descanso Park	4.59
12	Falda Ave	0.15
13	Guenser Park	37.53
14	Kobata Growers	7.62
15	Magruder Middle School	2.88
16	McMaster Park	4.54
17	Prairie Ave. @ 175th Place	-
18	Prairie Ave. @ 175th Street	-
19	Prairie Ave. @ 190th Street	-
20	Prairie Ave. @ Artesia Blvd.	-
21	Torrance Business Center	7.29
22	Toyota Motor Sales	63.70
<b>Total</b>		<b>234.34</b>
<u>City of Torrance - Mobil</u>		
23	Mobil Boiler Feed	2,088.60
24	Mobil Cooling Towers	3,449.21
25	Mobil Irrigation	12.72
<b>Total</b>		<b>5,550.53</b>

The map on the following page corresponds to the numbers listed in the left column in the table above.



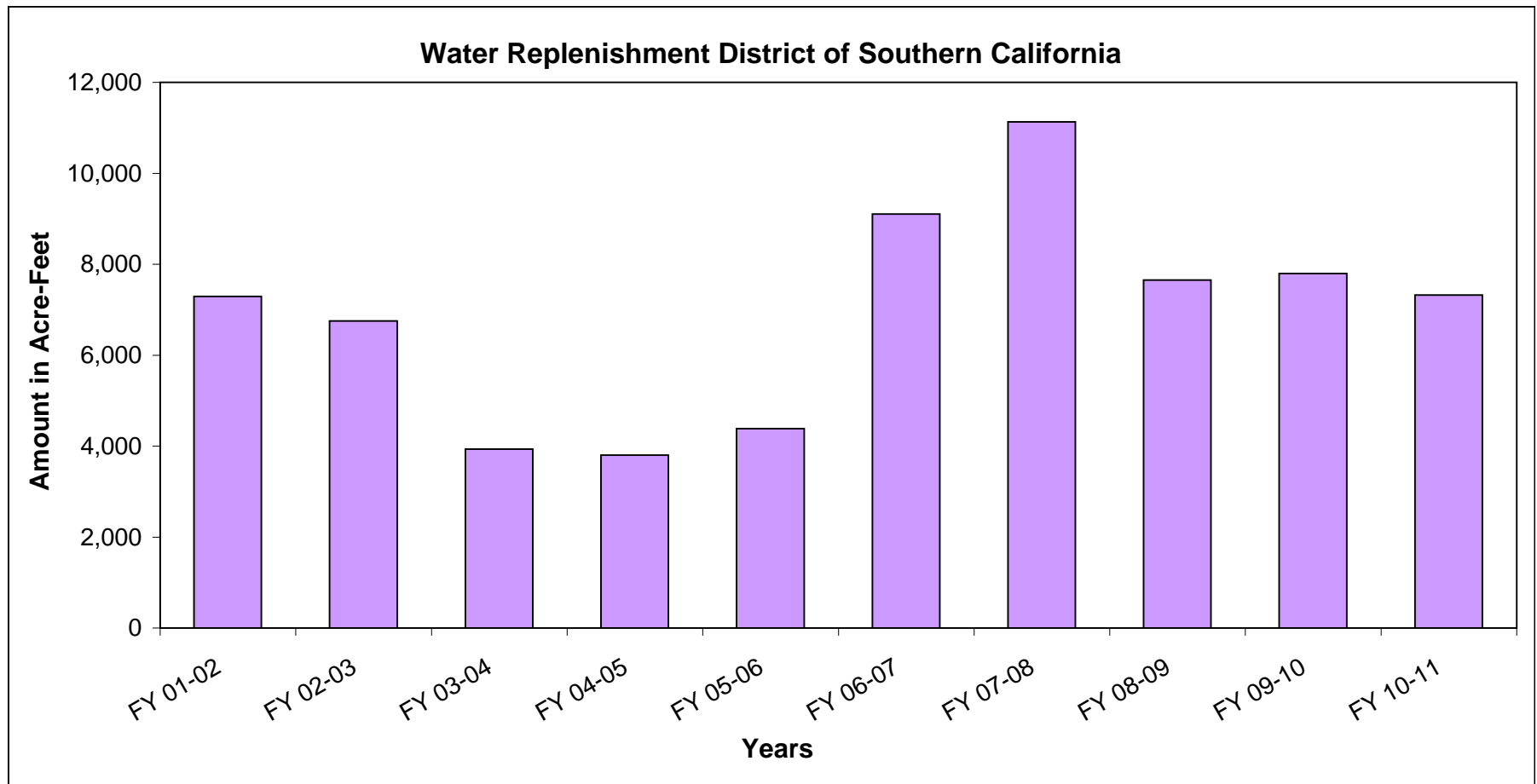
# CITY OF TORRANCE





## Recycled Water Use

Water Replenishment District of Southern California	Total Use FY 2010-11
West Coast Barrier	7,319.80
<b>Total</b>	<b>7,319.80</b>



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## *West Basin Municipal Water District*

### FY 2011-12 Water Rates and Charges

#### Rates Effective July 1, 2011 to December 31, 2011

	MWD Commodity	MWD	RTS	Reliability Svc Charge	Total
Non-Interruptible & Barrier ( <i>Tier 1</i> )	\$744/AF	\$125/AF		\$95/AF	<b>\$964/AF</b>
Non-Interruptible & Barrier ( <i>Tier 2</i> )	\$869/AF	\$125/AF		\$95/AF	<b>\$1,089/AF</b>
Seasonal Storage Long Term	\$601/AF	-		\$95/AF	<b>\$696/AF</b>
<b>Rates Effective January 1, 2012</b>					
	MWD Commodity	MWD	RTS	Reliability Svc Charge	Total
Non-Interruptible & Barrier ( <i>Tier 1</i> )	\$794/AF	\$135/AF		\$95/AF	<b>\$1,024/AF</b>
Non-Interruptible & Barrier ( <i>Tier 2</i> )	\$920/AF	\$135/AF		\$95/AF	<b>\$1,150/AF</b>
Seasonal Storage Long Term	\$651/AF	-		\$95/AF	<b>\$746/AF</b>

#### MWD Non-Interruptible Commodity Rate

	<i>Effective Dates</i>	
	<u>7/1/11</u>	<u>1/1/12</u>
Supply Rate Tier 1	\$104	\$106
Supply Rate Tier 2	\$280	\$290
System Access Rate	\$204	\$217
Water Stewardship Rate	\$41	\$43
Delta Supply Surcharge	\$51	\$58
Treatment Rate	\$217	\$234
Power Rate	<u>\$127</u>	<u>\$136</u>
<b>Total Tier 1</b>	<b>\$744</b>	<b>\$794</b>
<b>Total Tier 2</b>	<b>\$869</b>	<b>\$920</b>

#### Capacity Charge Designated Amount<sup>1</sup>

Effective July 1, 2011 to Dec 31, 2011	Effective Jan 1, 2012
<b>\$6,350/cfs</b>	<b>\$6,500/cfs</b>

<sup>(1)</sup> Designated amount is an Agency's highest peak (per cfs) from the past three summer periods (May 1-Sept. 30)

#### Monthly Water Service Charge *Effective July 1, 2011*

WBWMD Water Service Charge
<b>\$38/cfs<sup>2</sup></b>

<sup>(2)</sup> Per cfs as determined by agency's meter capacity

#### WBWMD Recycled Water Rates

*Effective July 1, 2011*

Volume (AF/Month)	WBWMD Service Area	West Coast Barrier	Industrial R/O (WB Svc Area)	Nitrified (Ind R/O usage)	Industrial R/O Ultra (WB Svc Area)	Torrance / LADWP Service Areas
0-25	\$775/AF	\$553/AF	\$1,003/AF	\$755/AF	\$1,359/AF	\$817/AF
25-50	\$765/AF	\$553/AF	\$1,003/AF	\$755/AF	\$1,359/AF	\$807/AF
50-100	\$755/AF	\$553/AF	\$1,003/AF	\$755/AF	\$1,359/AF	\$797/AF
100-200	\$745/AF	\$553/AF	\$1,003/AF	\$755/AF	\$1,359/AF	\$787/AF
200+	\$735/AF	\$553/AF	\$1,003/AF	\$755/AF	\$1,359/AF	\$777/AF

**District Contact Information**

General Number    310.217.2411  
General Fax        310.217.2414

General Manager	Rich Nagel	310.660.6210
Assistant General Manager	Shivaji Deshmukh	310.660.6234

**Department Managers**

Administration	Charlene Jensen	310.660.6229
Communications	Ron Wildermuth	310.660.6258
Engineering	Marc Serna	310.660.6213
Finance/Billing	Margaret Moggia	310.660.6256
Human Resources	Michelle Green	310.660.6228
Operations/Water Quality	Wyatt Won	310.660.6203
Planning/Water Resources	Fernando Paludi	310.660.6214
Customer Development and Environmental Compliance	Joe Walters	310.660.6208





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