



WATER USE REPORT

Fiscal year 2012-2013

WEST BASIN MUNICIPAL WATER DISTRICT

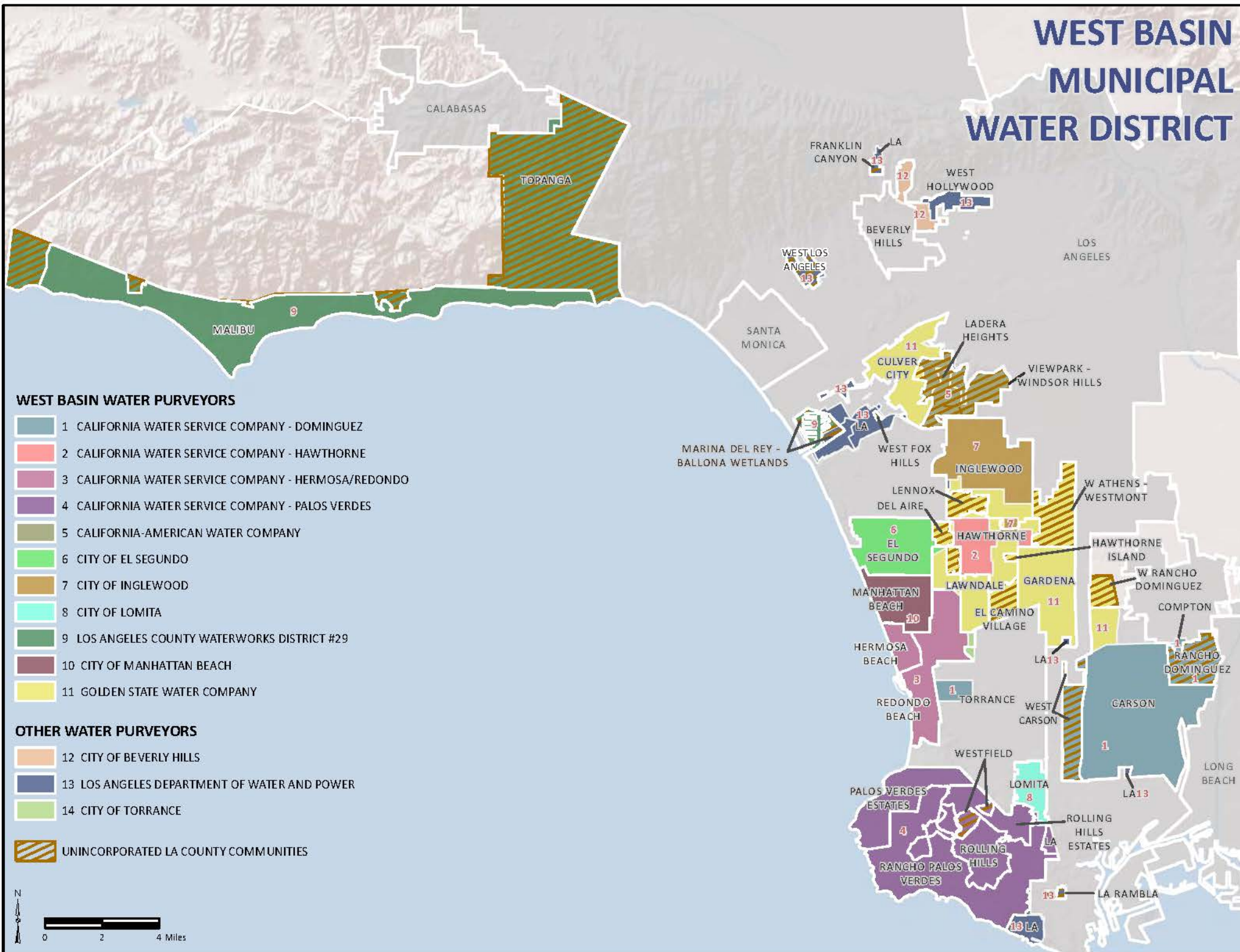
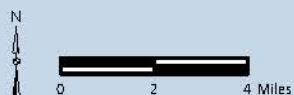
WEST BASIN WATER PURVEYORS

- 1 CALIFORNIA WATER SERVICE COMPANY - DOMINGUEZ
- 2 CALIFORNIA WATER SERVICE COMPANY - HAWTHORNE
- 3 CALIFORNIA WATER SERVICE COMPANY - HERMOSA/REDONDO
- 4 CALIFORNIA WATER SERVICE COMPANY - PALOS VERDES
- 5 CALIFORNIA-AMERICAN WATER COMPANY
- 6 CITY OF EL SEGUNDO
- 7 CITY OF INGLEWOOD
- 8 CITY OF LOMITA
- 9 LOS ANGELES COUNTY WATERWORKS DISTRICT #29
- 10 CITY OF MANHATTAN BEACH
- 11 GOLDEN STATE WATER COMPANY

OTHER WATER PURVEYORS

- 12 CITY OF BEVERLY HILLS
- 13 LOS ANGELES DEPARTMENT OF WATER AND POWER
- 14 CITY OF TORRANCE

 UNINCORPORATED LA COUNTY COMMUNITIES





WATER USE REPORT

Fiscal Year 2012-2013

17140 S. Avalon Blvd., Suite 210
Carson, CA 90746
www.westbasin.org



FISCAL YEAR 2012-2013 ACCOMPLISHMENTS

Finance

- Moody's and Standard & Poor's reaffirmed West Basin's ratings of Aa2 and AA-, respectively, in conjunction with each of its refunding transactions;
- Plan for refunding of approximately \$27 million in Certificates of Participation resulting with anticipated present value savings of over \$1 Million; and
- Received an Excellence in Financial Reporting Award notification for West Basin's Comprehensive Annual Financial Annual Report (CAFR) for the FY 2011-12 from the Government Finance Officers Association (GFOA).

Capital Improvement Program

- Completed Design-Build efforts for the Phase V Edward C. Little Water Recycling Facility (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, including the addition of ozonation as pretreatment to the microfiltration systems;
- Completed construction efforts for the NRG Pipeline Project to serve NRG's El Segundo Energy Center with 0.5 MGD of single-pass reverse osmosis (RO) water. The NRG Pipeline consisted of 7,500 linear feet of 10-inch diameter pipeline and will convey RO water for use as part of NRG's repowering effort;
- Completed construction of the Toyota Filter Station at the Toyota Campus in Torrance. The Filter Station will improve water quality for customers within the City of Torrance, including Toyota and future sites;
- Completed feasibility study efforts and initiated design of the Hyperion Effluent Pumping Station Expansion and Secondary Electrical Feed Project. The pump station project will provide additional capacity to serve future recycled water demands and add a second power source to the existing Hyperion Effluent Pump Station to improve reliability and redundancy to the overall supply system;

- Continued demonstration testing of the Ocean-Water Desalination Demonstration Facility to collect data that will be used to develop a basis of design for a full-scale ocean-water desalination facility by evaluating intake methods and technologies, assessing brine discharge impacts, optimizing operation and maintenance procedures using full-scale elements, evaluating energy recovery devices and energy optimization, assessing water quality, along with providing opportunities for public and stakeholder education;
- Completed the Ocean-Water Desalination Plan, which defines and assess all critical components necessary for implementing a full-scale ocean-water desalination program. The scope included plans for both a local and regional water supply to meet West Basin and regional demands; and
- Initiated Environmental Impact Report (EIR) preparation for the Ocean-Water Desalination Plan. The EIR will assess all environmental related impacts associated with implementation of a full-scale ocean-water desalination treatment facility and conveyance system. The EIR will utilize the recent Desalination Plan to support alternatives analysis and technical assessments, along with various components required for California Environmental Quality Act compliance.

Water Recycling Operations

- Worked with Los Angeles Air Force Base to develop back-up potable supply for toilet and urinal flushing using recycled water to assure reliability;
- Held first Customer Appreciation event for its irrigation and industrial sites;
- Implemented the first of a three-year Asset Management Implementation Plan including completion of the pilot facility, developed an asset failure and renewal process, developed a system-wide asset management approach, implemented short-term CMMS and maintenance enhancements;
- Installed carbon dioxide injection system at the Exxon Mobil and

Carson nitrification facilities to reduce maintenance costs and increase recycled water sales;

- Completed anti-scalant testing to determine most cost-effective anti-scalant;
- Received approximately \$84,000 from the Demand Response Program that West Basin enrolled in, where power use was reduced at the ECLWRF when requested by Southern California Edison during times of high power demand;
- Completed Phase II ferric chloride addition test at Hyperion to improve water quality; and
- Added 14 new recycled water customers including NRG of 525 AFY.

Public Information & Conservation

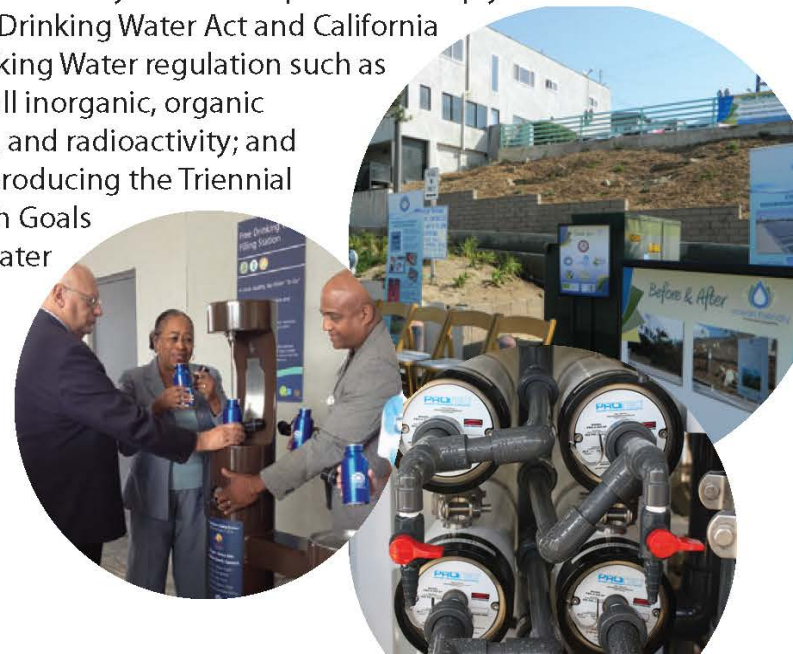
- Began the process to update the exhibits and educational facilities at the ECLWRF;
- Continued WR2020 program outreach and obtained over 10,000 community supporters for the program, including several new business and community groups, as well as individuals willing to testify before regulatory agencies on behalf of WR 2020;
- Overhauled the District community promotional item program to only include water conservation devices in the future;
- Planned and executed several special events including Water Bottle Filling Station in Redondo Beach, 100% Recycled Water to the Seawater Barrier project, second annual State of the District events and Swearing in Ceremonies for Director Dear and Director Kwan;
- Hosted several community events and groups at its new Temporary Ocean-Water Desalination Demonstration facility and Water Education Center, and initiated a public tour program;
- Completed five high-efficiency toilet exchange events;
- Constructed three Ocean Friendly Demonstration Gardens at Redondo Union High School, Bluffs Park (City of Malibu) and the Manhattan Beach Pier Strand; and
- Partnered with Home Depot to promote water efficiency at water conservation plant sales.

Resources Planning

- Educated local, state and federal elected officials on matters related to local water supply needs, and West Basin's Water Reliability 2020 program to develop new, reliable local water supplies;
- Conducted a workshop with West Basin's customer agencies to review West Basin's proposed FY 2013-14 budget, water rates and charges;
- Applied for several grant funding opportunities in support of conservation and reliability programs; and
- Provided extensive advocacy on behalf of West Basin and the region in support of an increased authorization to fund the Harbor/South Bay Water Recycling project, a regional partnership to build recycled water pipelines throughout the South Bay region.

Water Quality Monitoring Program

- Completed annual customer water quality reports for three 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
- Assisted in producing the Triennial Public Health Goals Report for water purveyors.



COMING IN FISCAL YEAR 2013-2014

Finance

- Meet with rating agencies to discuss upcoming debt issuances to support efforts towards accomplishing the goals of Water Reliability 2020;
- Adhere to arbitrage compliance regulations and complete the 5-year report for the 2003A Refunding Certificates of Participation, 2008A Adjustable Rate Certificates of Participation, and the 2008B Certificates of Participation;
- Update Long-Range Financial Model to project revenue needs capital funding and appropriate rates and charges; and
- Conduct a review of the rate structure.

Capital Improvement Program

- Finalize design efforts for the Los Angeles Harbor Area Expansion project to serve Los Angeles Department of Water and Power (LADWP) refinery customers with over 9,000 AFY of high-quality nitrified Title 22 water. Design efforts include expansion of the existing Juanita Millender-McDonald Carson Regional Water Recycling Facility and approximately 3-miles of new 30-inch diameter conveyance pipeline through the City of Carson;
- Complete design efforts for the Hyperion Effluent Pump Station Expansion and Secondary Electrical Feed Project. The pump station project will provide additional capacity to serve future recycled water demands and add a second power source to the existing Hyperion Effluent Pump Station to improve reliability and redundancy to the overall supply system;

- Implement various treatment and conveyance facility repair, replacement, and rehabilitation projects to maintain and improve facility operations and ensure a long-term reliable water supply for West Basin's customers; and
- Complete construction of Disinfection Station Facilities and other system water quality improvement to improve distribution system water quality.

Water Recycling Operations

- Work with Toyota Motor Sales USA, and the City of El Segundo Fire Station to develop back-up potable supply for toilet and urinal flushing using recycled water to assure reliability;
- Implement the prioritized asset management recommendations to maximize the asset life and optimize maintenance activities;
- Seek out and apply for grant funding to maximize opportunity for expansion of recycled water for new customers;
- Negotiate new contract for facility contract operations;
- Complete implementation of automated system for retrieval and compilation of water quality laboratory data, and submit to various regulatory agencies to improve accuracy and provide more opportunity for proactive analysis of results; and
- Evaluate existing processes to improve operations.

Public Information & Conservation

- Develop a plan to improve our education programs, including pre and post testing by adding additional information on the West Basin website and conducting an audit by an outside education expert;
- Publish a new value brochure to provide our customers with information about how West Basin efficiently plans, invests and builds cutting edge water facilities;
- Develop a one-day local water tour for community leaders;
- Continue to develop new communication vehicles to showcase West Basin's "new" brand and value;

- Launch Recycled Water Customer appreciation award program and tour event;
- Create and launch new water recycling educational game;
- Update the exhibits and educational facilities at the ECLWRF;
- Publicize West Basin's and retailer's Water Use Efficiency and Conservation Master Plans through a collaborative approach;
- Continue to implement the Water Use Efficiency and Conservation programs;
- Build seven more Ocean Friendly Demonstration Gardens throughout West Basin's service area; and
- Partner with Home Depot to promote water efficiency at five water conservation plant sales.

Resources Planning

- Continue leadership role in the Greater Los Angeles County Integrated Regional Water Management Program, including administration on behalf of the Region, and new consultant contract to develop updated Plan;
- Participate on behalf of West Basin customer agencies in developing policy recommendations to MWD regarding a potential new local storage incentive program;
- Prepare proposals to MWD seeking grants from the Foundational Actions Funding Program for research into removing barriers to future implementation of new local sources of supply such as direct potable reuse and desalination;
- Continue to play a leading role in the development of policy and legislative matters; as well as the advocacy activities for CalDesal and WaterReuse;
- Continue to provide a forum for exchange of information and perspectives on West Basin policies and programs as well as statewide water policy issues including possible 2014 Water Bond and the Bay-Delta Conservation Plan;
- Continue program to honor Legislators of the Year with Water Reliability 2020 awards;

- Continue West Basin's advocacy efforts related to West Basin's request for an increased Federal authorization for the Harbor South Bay project, through the Water Resources Development Act of 2012; and
- Continue to defend West Basin service area and MWD as a whole against litigation, legislation and other efforts intended to work against cooperative regional water management policy.

Water Quality Monitoring Program

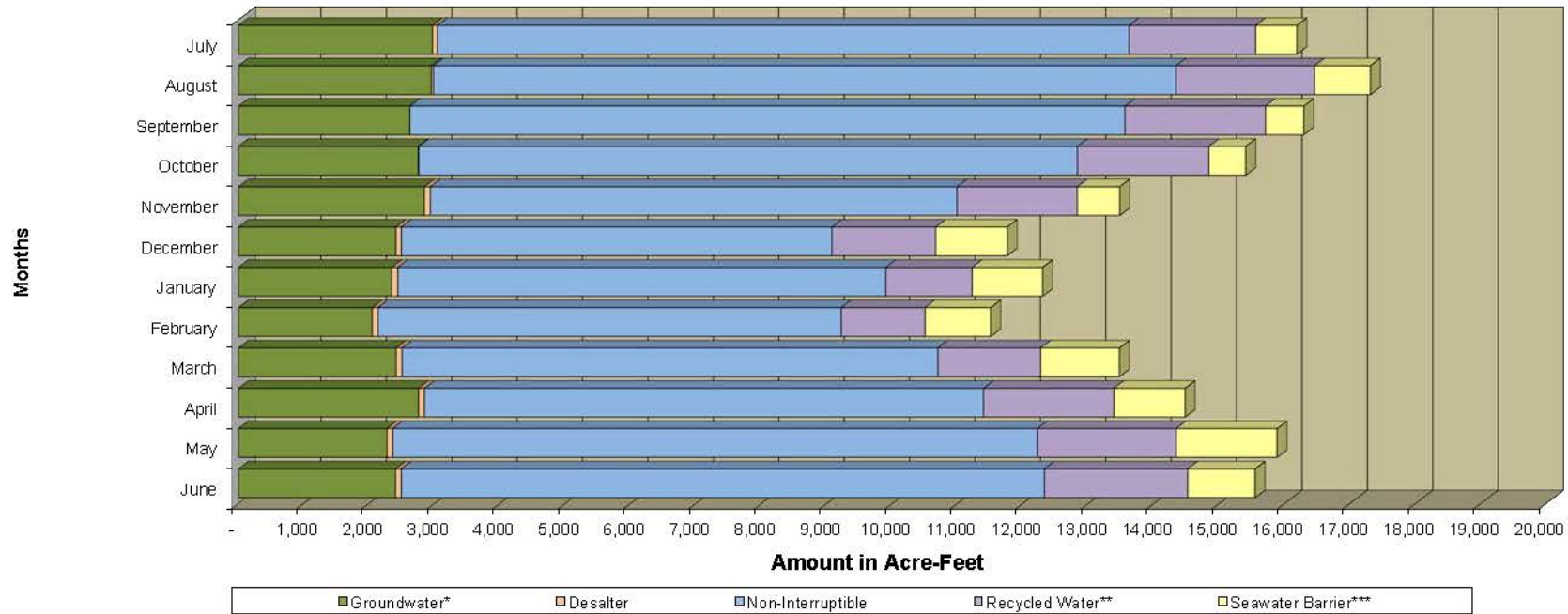
- Continue to assist water purveyors in meeting their water quality reporting requirements.



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TOTAL WATER USE

**WEST BASIN MUNICIPAL WATER DISTRICT
FY 2012-13 Total Water Use**



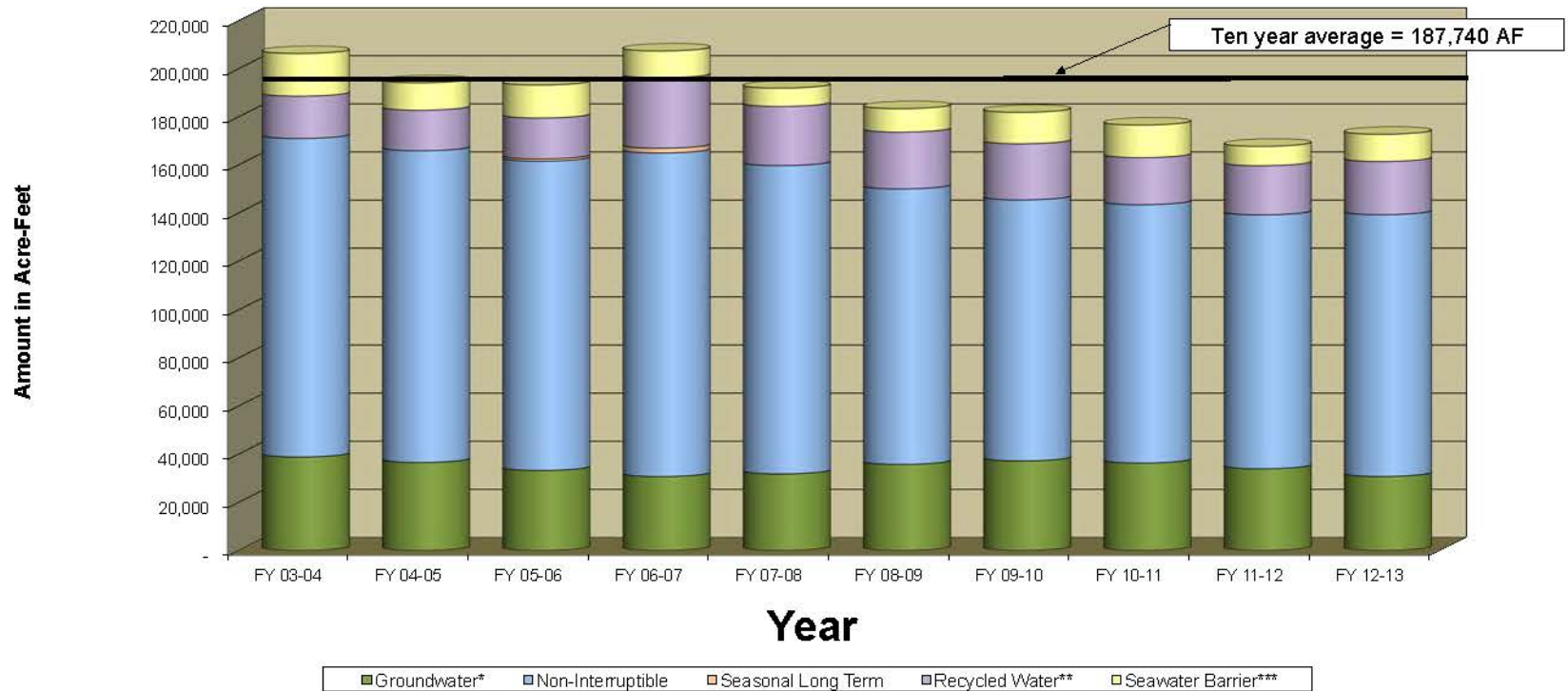
West Basin MWD	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater*	2,968.66	2,950.01	2,622.58	2,751.55	2,844.43	2,409.05	2,345.17	2,046.47	2,411.66	2,755.21	2,273.23	2,405.18	30,783.20
Desalter	74.20	32.80	-	6.50	91.80	83.80	92.50	87.20	92.50	90.60	87.40	86.00	825.30
Non-Interruptible	10,578.08	11,352.83	10,933.69	10,072.08	8,052.74	6,582.66	7,461.86	7,085.34	8,191.95	8,548.40	9,855.70	9,834.35	108,549.68
Recycled Water**	1,933.33	2,119.87	2,149.95	2,009.00	1,839.20	1,586.22	1,319.59	1,280.64	1,571.23	1,993.74	2,121.41	2,190.18	22,114.36
Seawater Barrier***	629.82	854.17	584.51	563.42	647.16	1,094.24	1,078.54	1,003.96	1,204.35	1,087.30	1,543.50	1,029.15	11,320.12
Total	16,184.09	17,309.68	16,290.73	15,402.55	13,475.33	11,755.97	12,297.66	11,503.61	13,471.69	14,475.25	15,881.24	15,544.86	173,592.66

*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 Average Total Water Use



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater*	38,871.42	36,583.44	33,256.68	30,740.78	31,831.10	35,773.30	37,230.53	36,334.05	33,953.54	30,783.20	34,535.80
Non-Interruptible	132,143.84	129,315.41	128,346.84	134,244.32	127,925.33	114,293.23	108,260.92	107,151.44	105,308.93	108,549.68	119,553.99
Seasonal Long Term	-	-	910.50	1,981.50	-	-	-	-	-	-	482.00
Recycled Water**	17,578.10	16,863.27	16,987.18	29,250.02	24,594.11	23,587.89	23,331.35	19,578.97	20,431.21	22,114.36	21,431.65
Seawater Barrier***	17,737.01	11,399.72	13,722.31	11,161.68	7,608.68	9,773.57	13,054.18	13,533.66	8,056.77	11,320.12	11,736.77
Total	206,330.37	194,161.84	193,223.51	207,378.30	191,959.22	183,427.99	181,876.98	176,598.12	167,750.45	172,767.36	187,740.21

*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
FY 12-13 Total Water Use**

California American Water Company

8657 Grand Ave.
Rosemead, CA 91770

Contact: Mr. Garry Hofer, Operations Manager

Office: (626) 614-2511

2014 Capacity Reservation Charge (cfs)*

2010 = 5.2

2011 = 4.1

2012 = 6.4

Peak = 6.4

*Note: The 2014 CRC is the highest daily average flow for the past three years.

Imported Connections

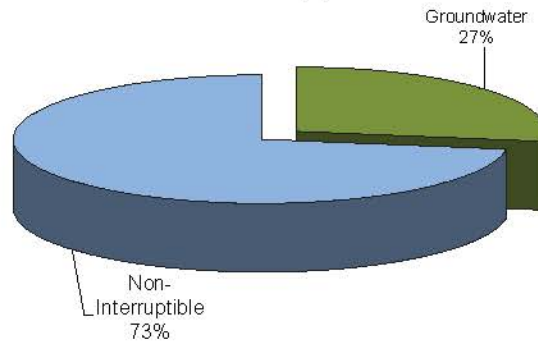
WB-22

WB-27

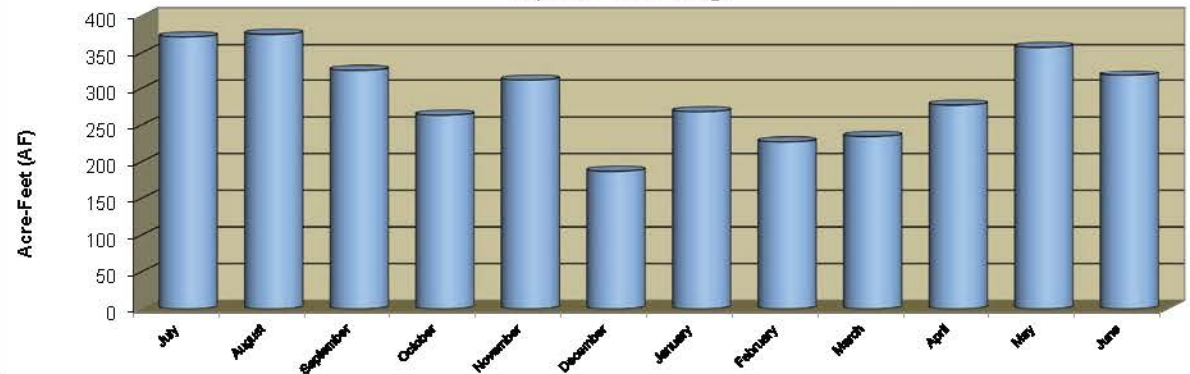
Adjudicated Water Rights

2,067 AF

**FY 2012/13 Sources of
Water Supplies**

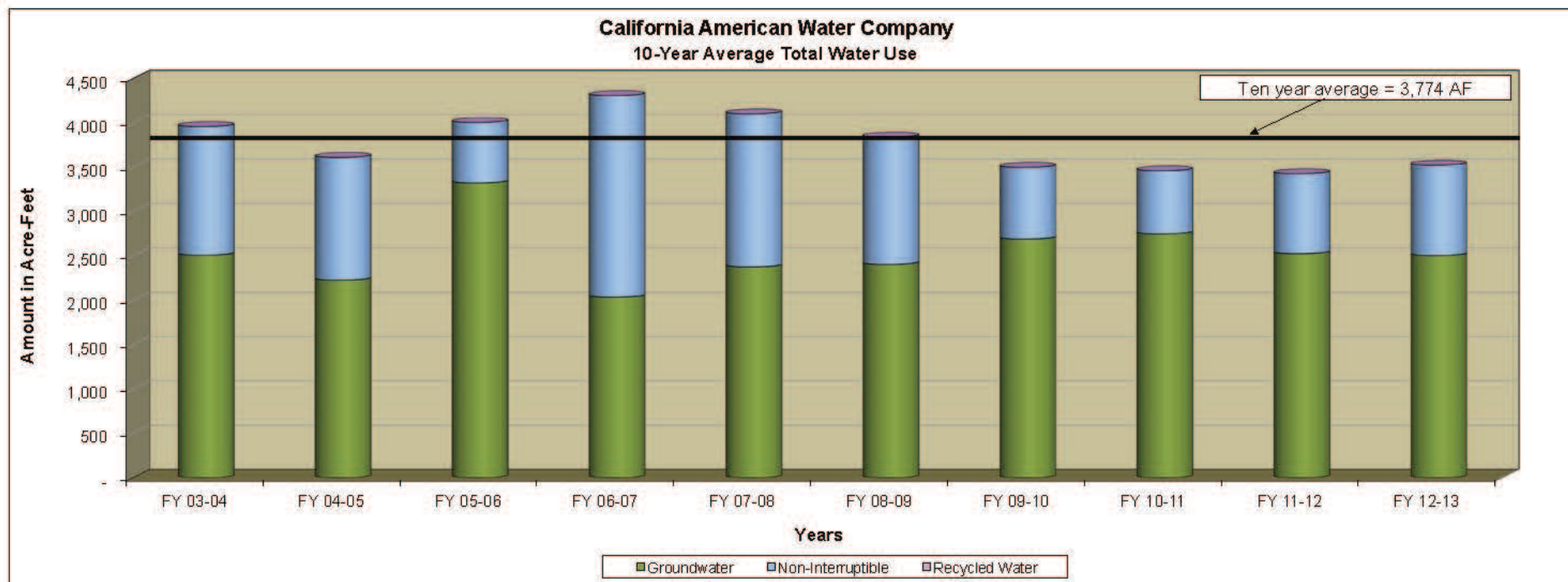


**California American Water Company
Imported Water Usage**



Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater*	102.17	55.06	52.45	182.67	292.95	187.47	266.90	227.66	235.02	262.20	351.57	289.56	2,505.68
Non-Interruptible	270.20	320.90	274.40	81.40	18.90	0.10	1.80	-	-	15.60	6.60	29.10	1,019.00
Recycled Water	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	372.37	375.96	326.85	264.07	311.85	187.57	268.70	227.66	235.02	277.80	358.17	318.66	3,524.68

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



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater	2,509.49	2,228.07	3,324.46	2,036.60	2,377.74	2,405.98	2,691.70	2,749.96	2,526.59	2,505.68	2,535.63
Non-Interruptible	1,450.60	1,383.80	681.80	2,271.90	1,725.30	1,435.80	808.80	711.80	901.80	1,019.00	1,239.06
Recycled Water	-	-	-	-	-	-	-	-	-	-	-
Total	3,960.09	3,611.87	4,006.26	4,308.50	4,103.04	3,841.78	3,500.50	3,461.76	3,428.39	3,524.68	3,774.69

California Water Service Company- Dominguez FY 12-13 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

2014 Capacity Reservation Charge (cfs)*

2010 = 52.1

2011 = 44.8

2012 = 46.6

Peak = 52.1

*Note: The 2014 CRC is the highest daily average flow for the past three years.

Imported Connections

WB-9 WB-21

WB-10 WB-35

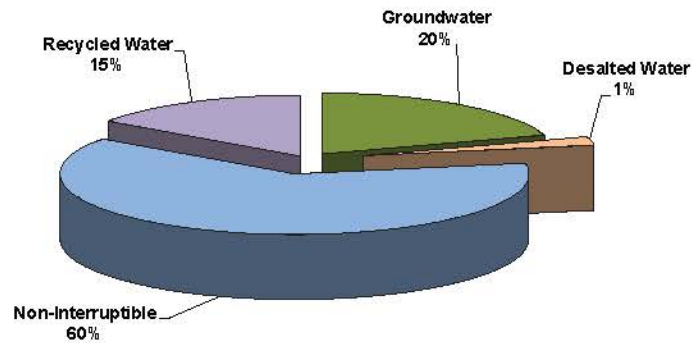
WB-14 WB-36

WB-19 WB-39

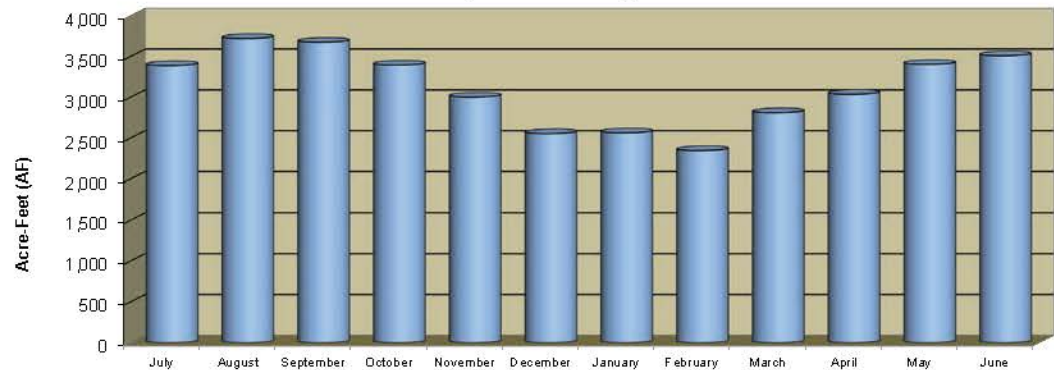
Adjudicated Water Rights

10,417 AF

FY 2012/13 Sources of Water Supplies



California Water Service Company Imported Water Usage

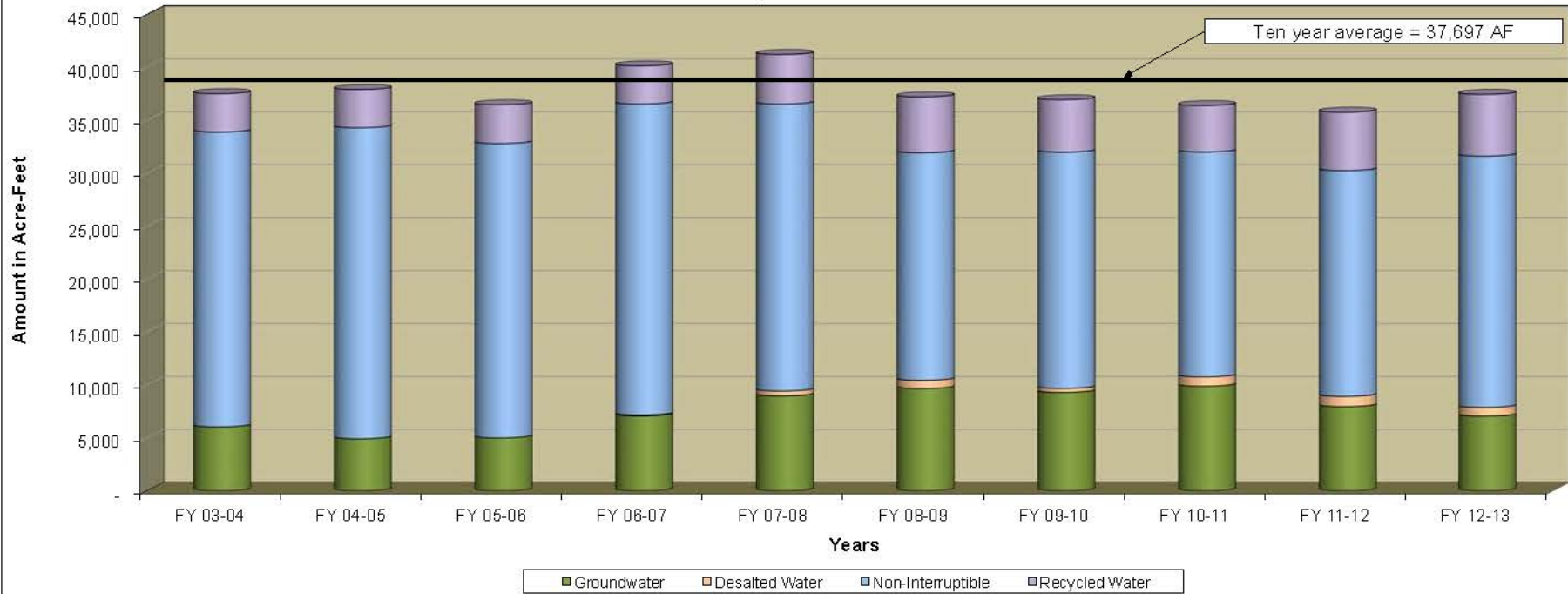


Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater*	680.15	755.62	710.74	669.32	689.23	586.83	493.45	379.94	548.55	521.06	473.32	541.60	7,049.81
Desalted Water**	74.20	32.80	-	6.50	91.80	83.80	92.50	87.20	92.50	90.60	87.40	86.00	825.30
Non-Interruptible	2,117.20	2,370.60	2,306.70	2,178.20	1,694.90	1,451.80	1,563.40	1,578.00	1,825.60	1,989.00	2,347.20	2,307.10	23,729.70
Recycled Water	519.80	564.20	660.75	543.60	529.53	435.71	417.75	305.16	348.08	439.65	498.93	577.99	5,841.15
Total	3,391.35	3,723.22	3,678.19	3,397.62	3,005.46	2,558.14	2,567.10	2,350.30	2,814.73	3,040.31	3,406.85	3,512.69	37,445.96

*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
10-Year Average Total Water Use



Type of Water Supply*	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater	6,036.94	4,912.07	4,992.43	7,069.66	8,962.43	9,666.29	9,297.84	9,885.16	7,958.57	7,049.81	7,583.12
Desalted Water	-	-	-	88.60	467.37	770.70	371.90	881.60	958.30	825.30	436.38
Non-Interruptible	27,836.20	29,378.90	27,804.70	29,372.00	27,094.80	21,482.80	22,309.70	21,226.00	21,320.40	23,729.70	25,155.52
Recycled Water	3,639.38	3,615.50	3,665.49	3,610.23	4,690.03	5,292.89	4,958.66	4,391.87	5,521.95	5,841.15	4,522.72
Total	37,512.52	37,906.47	36,462.62	40,140.49	41,214.63	37,212.68	36,938.10	36,384.63	35,759.22	37,445.96	37,697.73

*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 FY 12-13 Total Water Use

California Water Service Company- Hawthorne
2632 West 237th Street
Torrance, CA 90505-5272

2014 Capacity Reservation Charge (cfs)*

2010 = 7.7
2011 = 7.9
2012 = 7.8
Peak = 7.9

*Note: The 2014 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

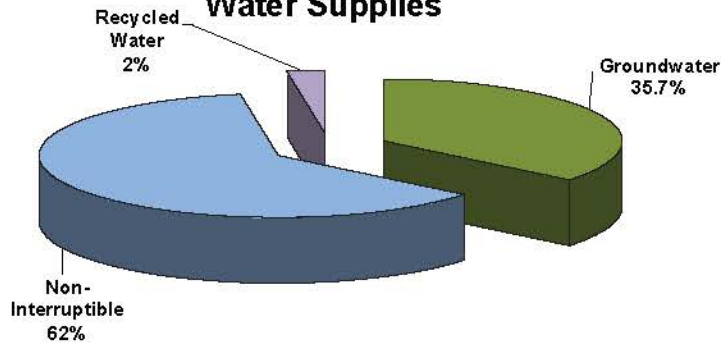
WB-18

WB-20

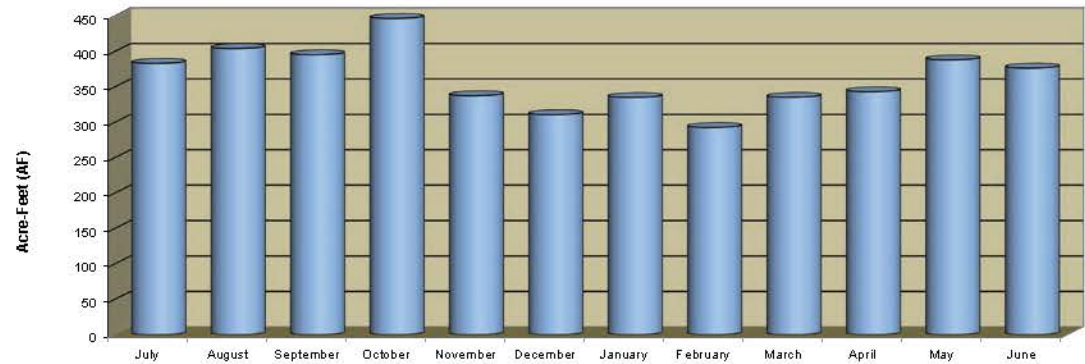
Adjudicated Water Rights

1,882 (Adjudicated water rights for the City of Hawthorne)

FY 2012/13 Sources of Water Supplies

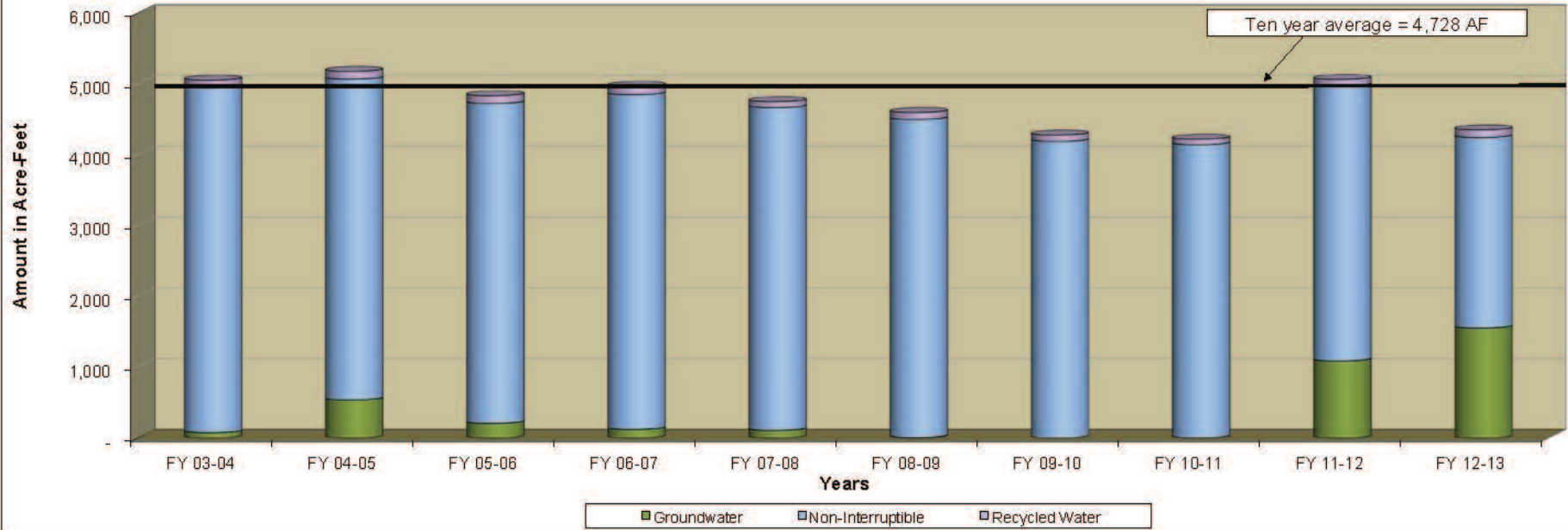


California Water Service Company
Imported Water Usage



Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	159.79	139.28	53.34	87.34	155.91	158.23	116.89	138.06	146.20	134.73	113.59	150.27	1,553.63
Non-Interruptible	212.40	251.40	328.20	348.90	169.10	148.90	215.40	150.40	184.40	201.90	264.30	214.10	2,689.40
Recycled Water	11.15	13.63	14.06	10.61	12.67	3.84	2.93	4.40	4.86	6.73	10.44	12.33	107.65
Total	383.34	404.31	395.60	446.85	337.68	310.97	335.22	292.86	335.46	343.36	388.33	376.70	4,350.68

California Water Service Company-Hawthorne
10-Year Average Total Water Use



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater	77.56	539.30	207.84	123.09	110.04	8.21	0.92	3.07	1,089.43	1,553.63	371.31
Non-Interruptible	4,862.80	4,526.80	4,514.10	4,723.30	4,554.10	4,488.80	4,186.10	4,137.20	3,883.20	2,689.40	4,256.58
Recycled Water	111.77	110.64	111.04	117.72	84.79	98.61	90.38	79.20	89.65	107.65	100.15
Total	5,052.13	5,176.74	4,832.98	4,964.11	4,748.93	4,595.62	4,277.40	4,219.47	5,062.28	4,350.68	4,728.03

California Water Service Company- Hermosa Redondo

FY 12-13 Total Water Use

California Water Service Company- Hermosa Redondo
 2632 West 237th Street
 Torrance, CA 90505-5272

2014 Capacity Reservation Charge (cfs)*

2010 = 22.0
 2011 = 22.4
 2012 = 21.3
Peak = 22.4

*Note: The 2014 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

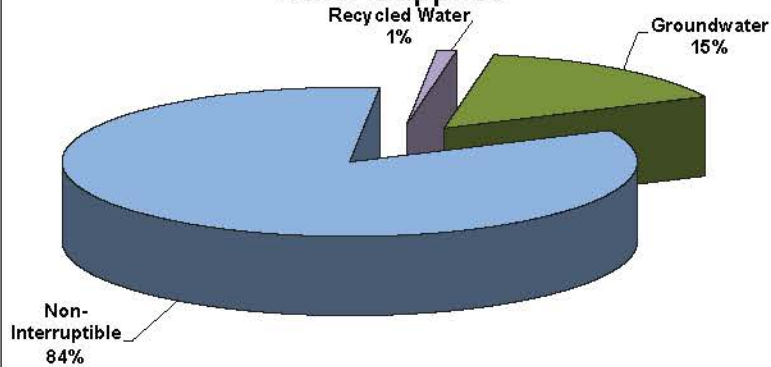
Imported Connections

WB-2B WB-16
 WB-5 WB-29

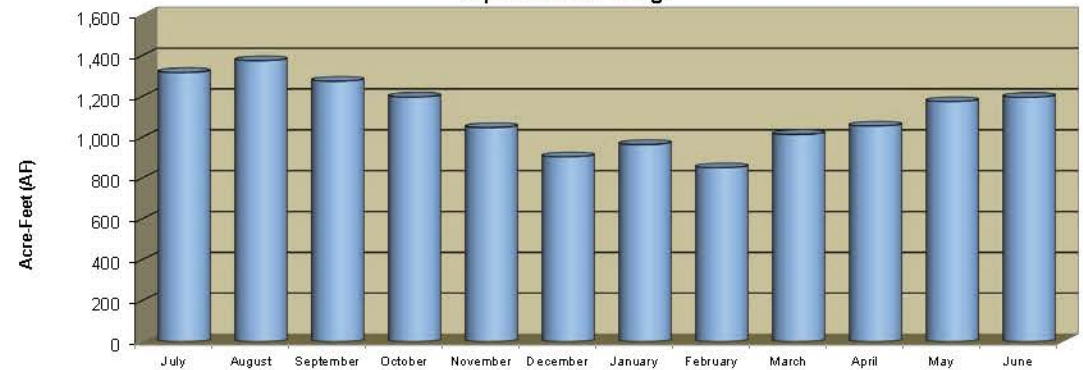
Adjudicated Water Rights

4,070 AF

FY 2012/13 Sources of Water Supplies

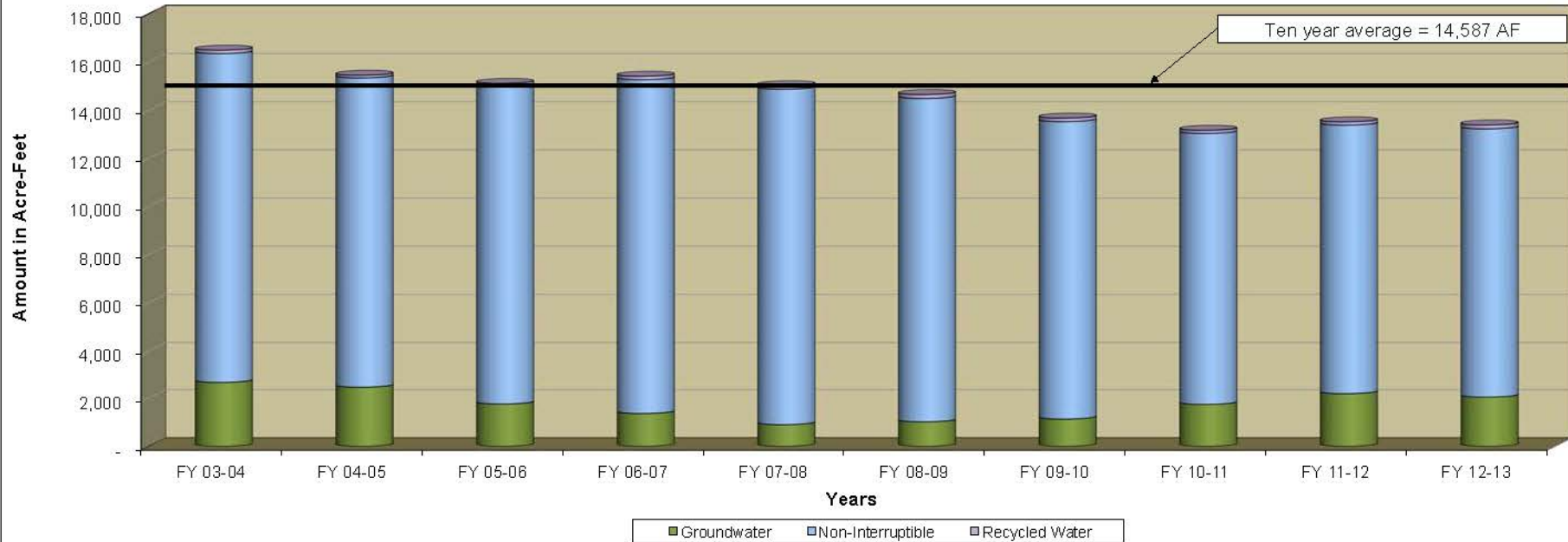


California Water Service Company Imported Water Usage



Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	184.16	188.73	180.29	182.68	146.65	171.19	125.97	154.32	175.62	175.52	182.82	175.24	2,043.19
Non-Interruptible	1,112.80	1,166.80	1,072.10	1,000.70	888.10	729.50	837.20	693.10	833.10	870.00	977.30	1,001.70	11,182.40
Recycled Water	21.60	20.77	23.64	15.25	14.01	5.11	2.48	4.95	6.60	11.13	15.90	20.49	161.93
Total	1,318.56	1,376.30	1,276.03	1,198.63	1,048.76	905.80	965.65	852.37	1,015.32	1,056.65	1,176.02	1,197.43	13,387.52

California Water Service Company-Hermosa Redondo
10-Year Average Total Water Use



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater	2,653.41	2,454.17	1,756.05	1,362.27	898.67	1,018.36	1,130.05	1,738.53	2,185.97	2,043.19	1,724.07
Non-Interruptible	13,695.90	12,888.30	13,239.50	13,907.10	13,970.90	13,470.90	12,392.50	11,295.20	11,194.70	11,182.40	12,723.74
Recycled Water	143.63	106.89	119.05	140.88	144.52	162.55	150.20	132.73	135.74	161.93	139.81
Total	16,492.94	15,449.36	15,114.60	15,410.25	15,014.09	14,651.81	13,672.75	13,166.46	13,516.41	13,387.52	14,587.62

California Water Service Company- Palos Verdes FY 12-13 Total Water Use

California Water Service Company- Palos Verdes
2632 West 237th Street
Torrance, CA 90505-5272

2014 Capacity Reservation Charge (cfs)*

2010 = 45.5

2011 = 43.7

2012 = 46.2

Peak = 46.2

*Note: The 2014 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

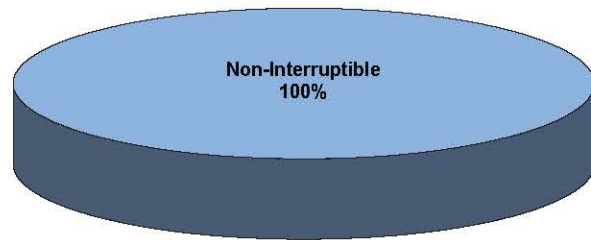
WB-6A WB-32

WB-6B WB-40

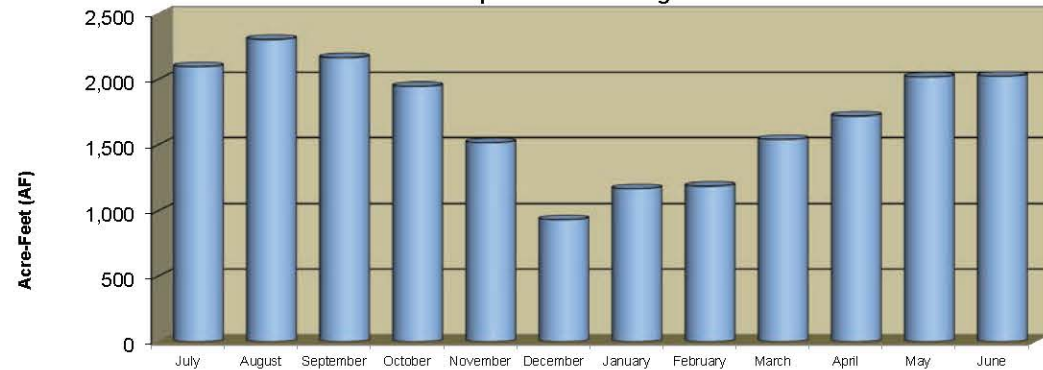
Adjudicated Water Rights

-

FY 2012/13 Sources of Water Supplies

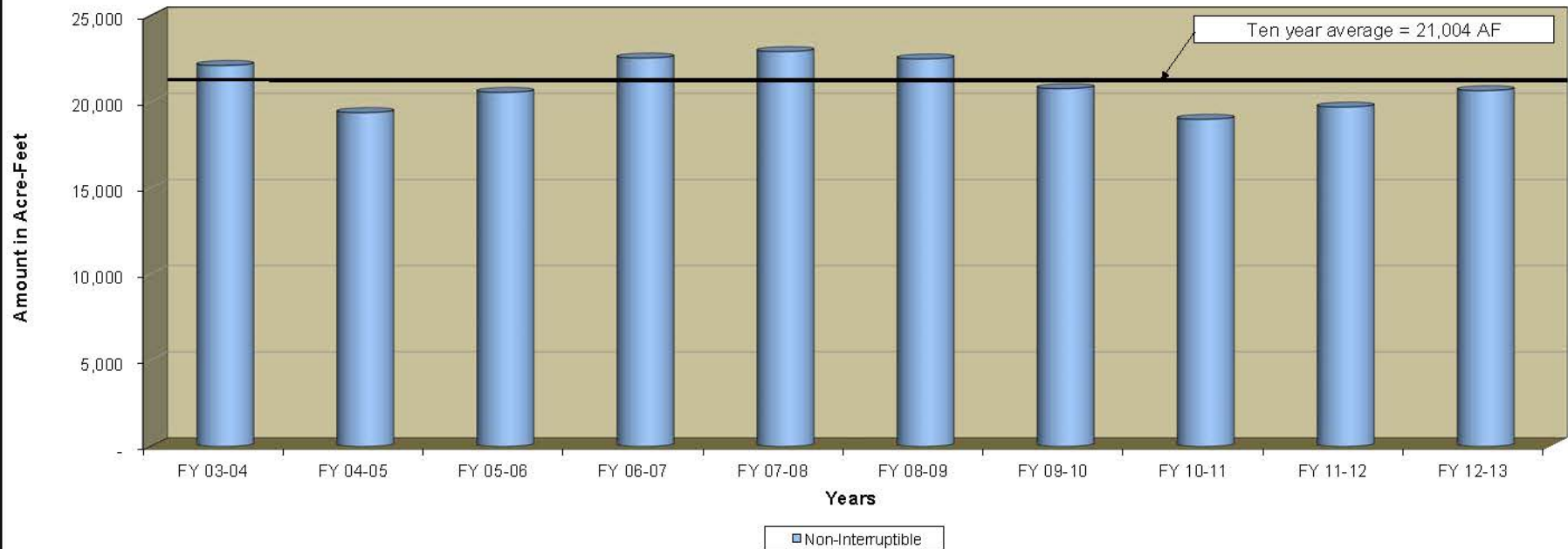


**California Water Service Company
Imported Water Usage**



Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	2,098.30	2,307.10	2,168.20	1,948.70	1,518.30	934.40	1,171.20	1,190.70	1,542.20	1,721.30	2,020.30	2,026.60	20,647.30
Recycled Water	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2,098.30	2,307.10	2,168.20	1,948.70	1,518.30	934.40	1,171.20	1,190.70	1,542.20	1,721.30	2,020.30	2,026.60	20,647.30

California Water Service Company - Palos Verdes
10-Year Average Total Water Use



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	22,105.80	19,370.90	20,544.80	22,538.40	22,910.50	22,485.30	20,765.00	18,983.50	19,693.20	20,647.30	21,004.47
Recycled Water	-	-	-	-	-	-	-	-	-	-	-
Total	22,105.80	19,370.90	20,544.80	22,538.40	22,910.50	22,485.30	20,765.00	18,983.50	19,693.20	20,647.30	21,004.47

City of El Segundo FY 12-13 Total Water Use

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

2014 Capacity Reservation Charge (cfs)*
2010 = 13.7
2011 = 18.2
2012 = 24.5
Peak = 24.5

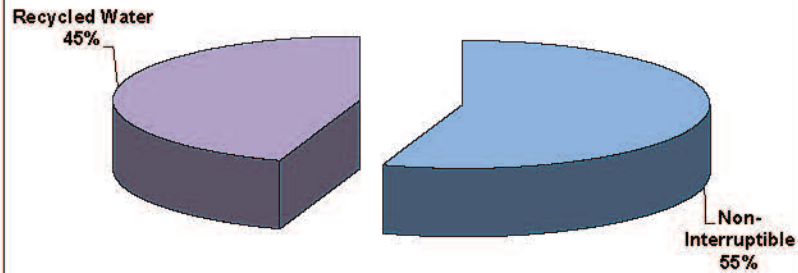
*Note: The 2014 CRC is the highest daily average flow for the past three years.

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

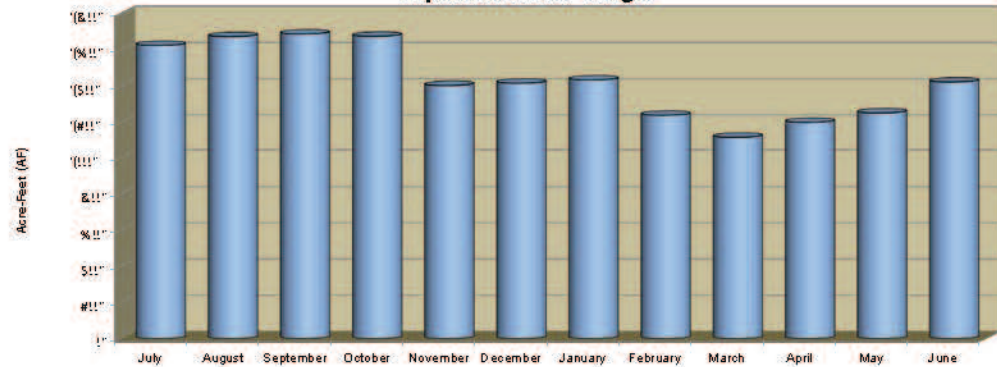
Imported Connections
WB-03
WB-28

Adjudicated Water Rights
953 AF

**FY 2012/13 Sources of
Water Supplies**

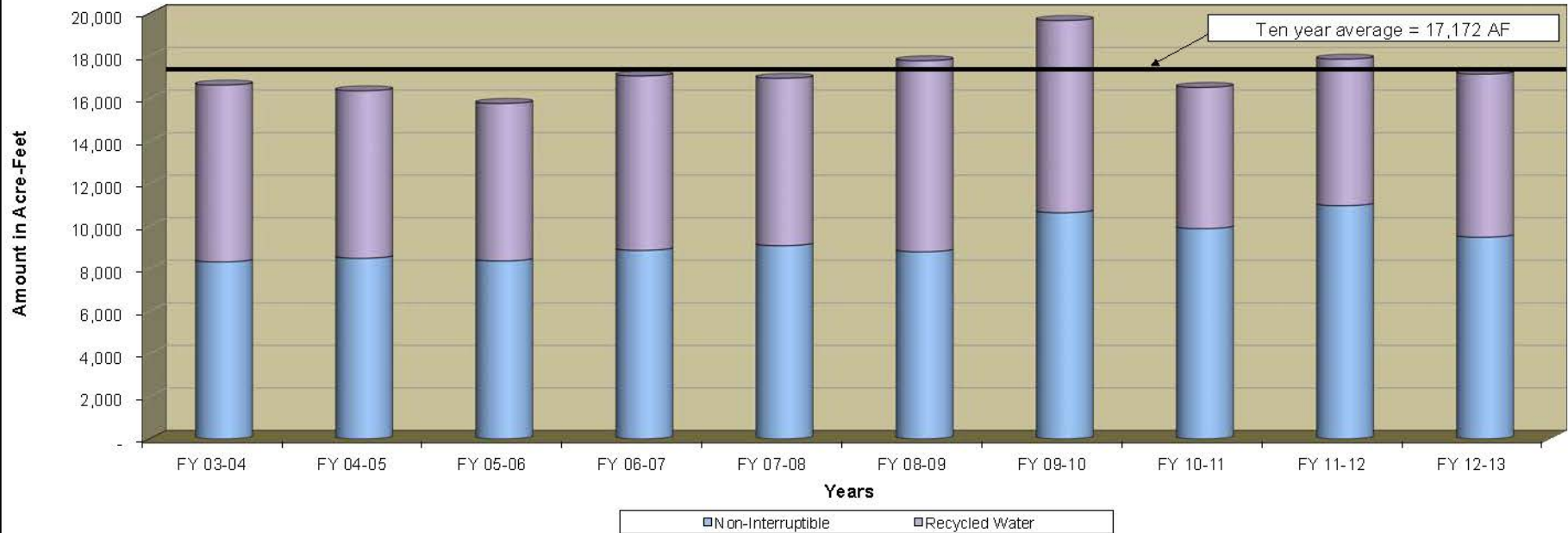


**City of El Segundo
Imported Water Usage**



Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	943.28	972.73	1,047.59	1,008.88	768.04	770.16	837.56	712.84	543.55	598.40	563.70	712.35	9,479.08
Recycled Water	681.42	701.04	640.88	666.67	635.18	645.82	596.63	525.41	573.24	600.75	687.63	710.33	7,665.00
Total	1,624.70	1,673.77	1,688.47	1,675.55	1,403.22	1,415.98	1,434.19	1,238.25	1,116.79	1,199.15	1,251.33	1,422.68	17,144.08

City of El Segundo
10-Year Average Total Water Use



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	8,320.39	8,491.91	8,362.64	8,861.42	9,084.93	8,794.73	10,631.62	9,884.74	10,960.53	9,479.08	9,287.20
Recycled Water	8,310.17	7,868.41	7,404.51	8,200.97	7,864.89	8,977.91	9,034.50	6,637.52	6,887.65	7,665.00	7,885.15
Total	16,630.56	16,360.32	15,767.15	17,062.39	16,949.82	17,772.64	19,666.12	16,522.26	17,848.18	17,144.08	17,172.35

**City of Inglewood
FY 12-13 Total Water Use**

City of Inglewood
One Manchester Blvd
Inglewood, CA 90301

Contact: Mr. Louis Atwell, Public Works Director
Office: (310) 412-5333
Fax: (310) 412-5552

2014 Capacity Reservation Charge (cfs)*

2010 = 14.1

2011 = 15.2

2012 = 14.5

Peak = 15.2

*Note: The 2014 CRC is the highest daily average flow for the past three years.

Imported Connections

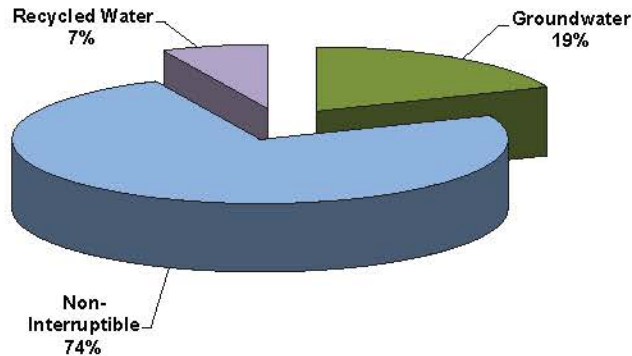
WB-17

WB-38

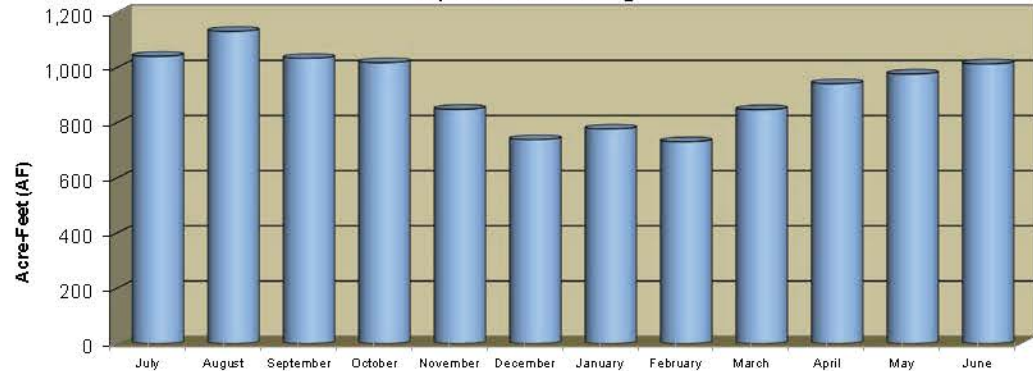
Adjudicated Water Rights

4,450 AF

**FY 2012/13 Sources of
Water Supplies**

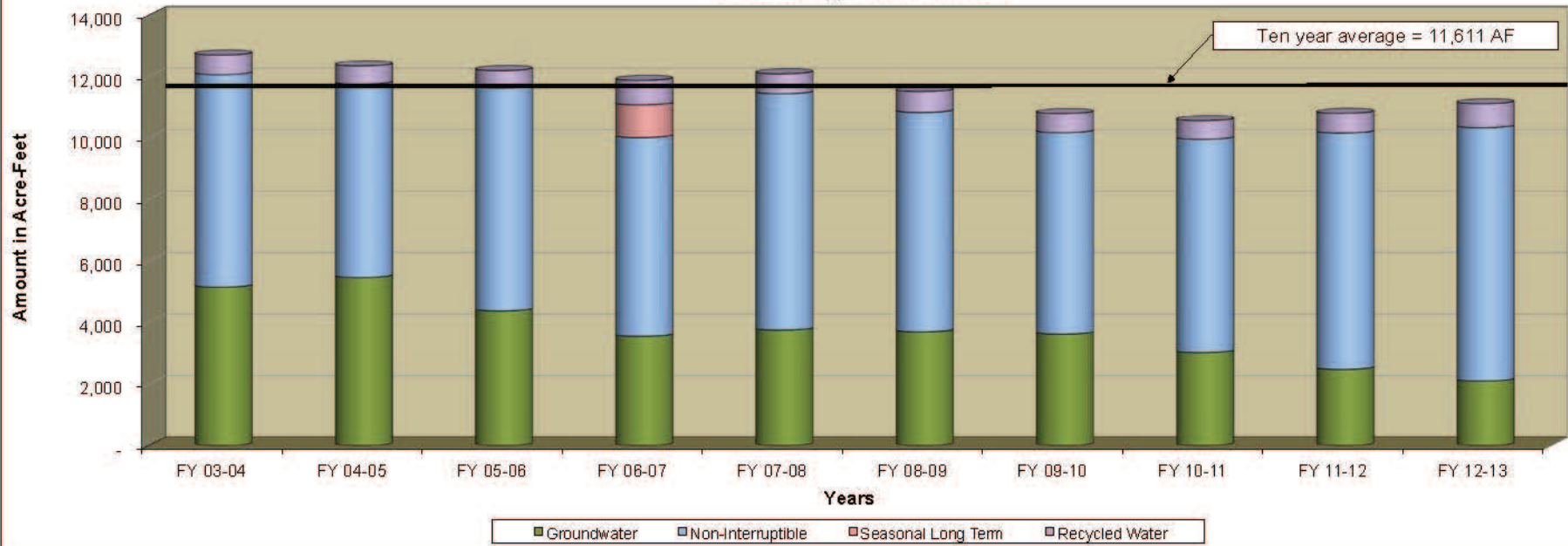


**City of Inglewood
Imported Water Usage**



Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	242.19	234.34	241.89	241.71	199.08	136.85	59.41	46.16	93.05	211.48	193.51	197.11	2,096.78
Non-Interruptible	729.20	765.60	702.20	686.60	617.60	597.00	711.10	660.00	710.40	629.10	704.50	724.60	8,237.90
Recycled Water	71.01	133.03	91.07	91.15	33.51	6.34	8.35	26.65	45.62	102.48	80.12	93.20	782.53
Total	1,042.40	1,132.97	1,035.16	1,019.46	850.19	740.19	778.86	732.81	849.07	943.06	978.13	1,014.91	11,117.21

City of Inglewood
10-Year Average Total Water Use



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater	5,149.05	5,461.95	4,377.27	3,551.28	3,751.00	3,695.39	3,622.15	3,020.34	2,475.53	2,096.78	3,720.07
Non-Interruptible	6,911.50	6,289.50	7,248.30	6,464.80	7,688.70	7,136.80	6,551.80	6,938.50	7,684.90	8,237.90	7,115.27
Seasonal Long Term	-	-	-	1,062.30	-	-	-	-	-	-	118.03
Recycled Water	637.95	594.53	568.00	797.06	649.96	679.84	621.30	606.42	641.55	782.53	657.91
Total	12,698.50	12,345.98	12,193.57	11,875.44	12,089.66	11,512.03	10,795.25	10,565.26	10,801.98	11,117.21	11,611.29

Los Angeles County Waterworks District 29 and Marina Del Rey FY 12-13 Total Water Use

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

2014 Capacity Reservation Charge (cfs)*

2010 = 17.2
2011 = 18.4
2012 = 17.7
Peak = 18.4

*Note: The 2014 CRC is the highest daily average flow for the past three years.

Contact: Ms. Aracely Jaramillo, Water Resources Manager
Office: (626) 300-3351
Fax: (626) 300-3385

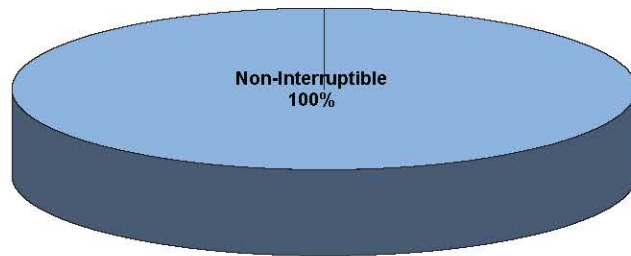
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WB-26A
WB-26B

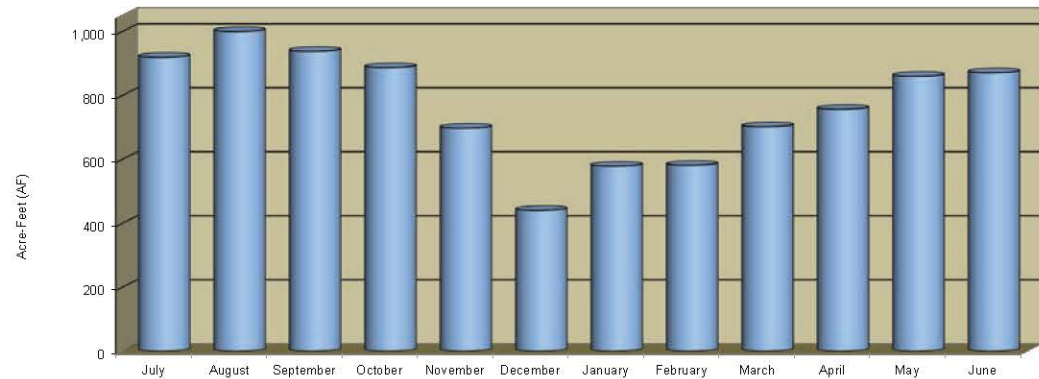
Adjudicated Water Rights

-

FY 2012/13 Sources of Water Supplies

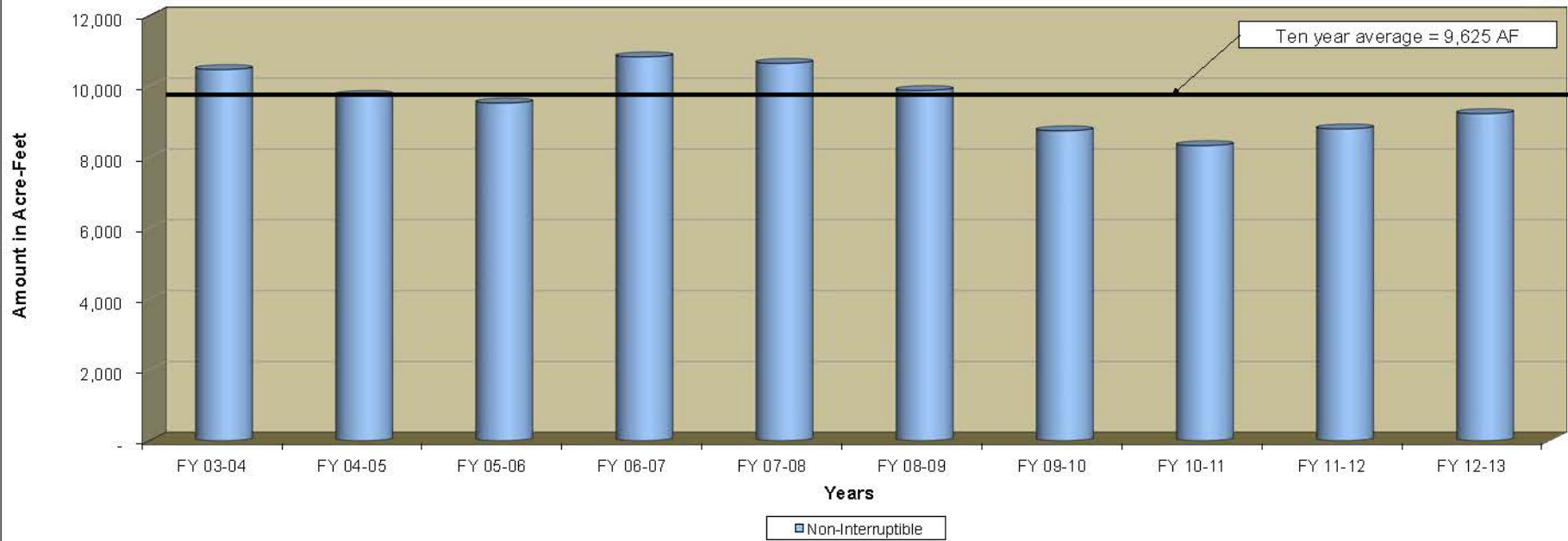


Los Angeles County Waterworks District 29 & Marina Del Rey Imported Water Usage



Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	919.50	1,000.20	938.10	887.20	697.70	440.50	578.90	581.70	702.30	757.10	860.10	871.00	9,234.30
Recycled Water	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	919.50	1,000.20	938.10	887.20	697.70	440.50	578.90	581.70	702.30	757.10	860.10	871.00	9,234.30

Los Angeles County Waterworks District 29 & Marina Del Rey
10-Year Average Total Water Use



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	10,478.30	9,747.50	9,532.90	10,835.90	10,653.70	9,886.00	8,749.60	8,330.70	8,802.40	9,234.30	9,625.13
Recycled Water	-	-	-	-	-	-	-	-	-	-	-
Total	10,478.30	9,747.50	9,532.90	10,835.90	10,653.70	9,886.00	8,749.60	8,330.70	8,802.40	9,234.30	9,625.13

**City of Lomita
FY 12-13 Total Water Use**

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

2014 Capacity Reservation Charge (cfs)*

2010 = 4.3

2011 = 5.6

2012 = 4.5

Peak = 5.6

*Note: The 2014 CRC is the highest daily average flow for the past three years.

Contact: Mr. Vince Demasse, Public Works Director

Office: (310) 325-9830

Fax: (310) 325-4025

Imported Connections

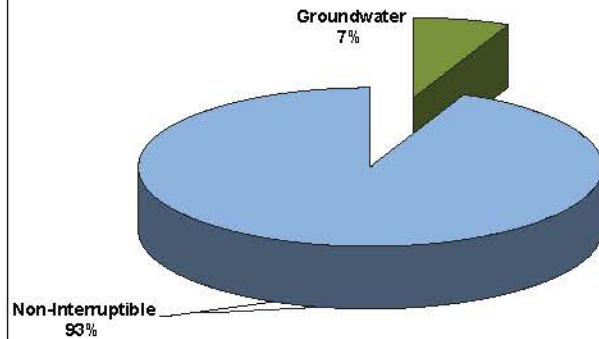
WB-07

WB-08

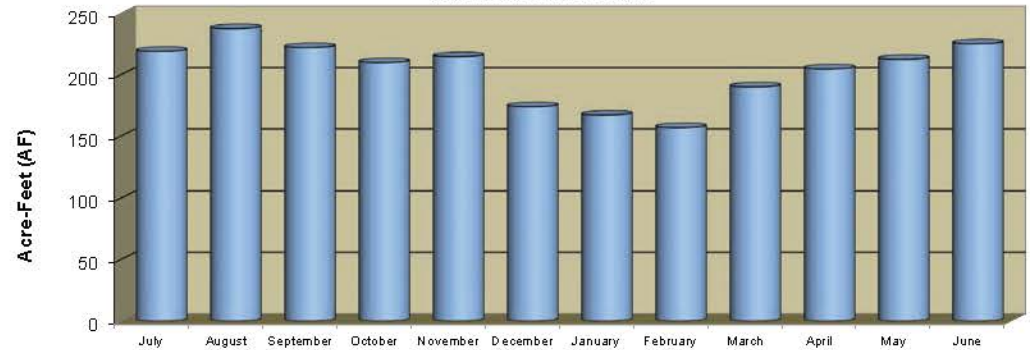
Adjudicated Water Rights

1,352 AF

**FY 2012/13 Sources of
Water Supplies**

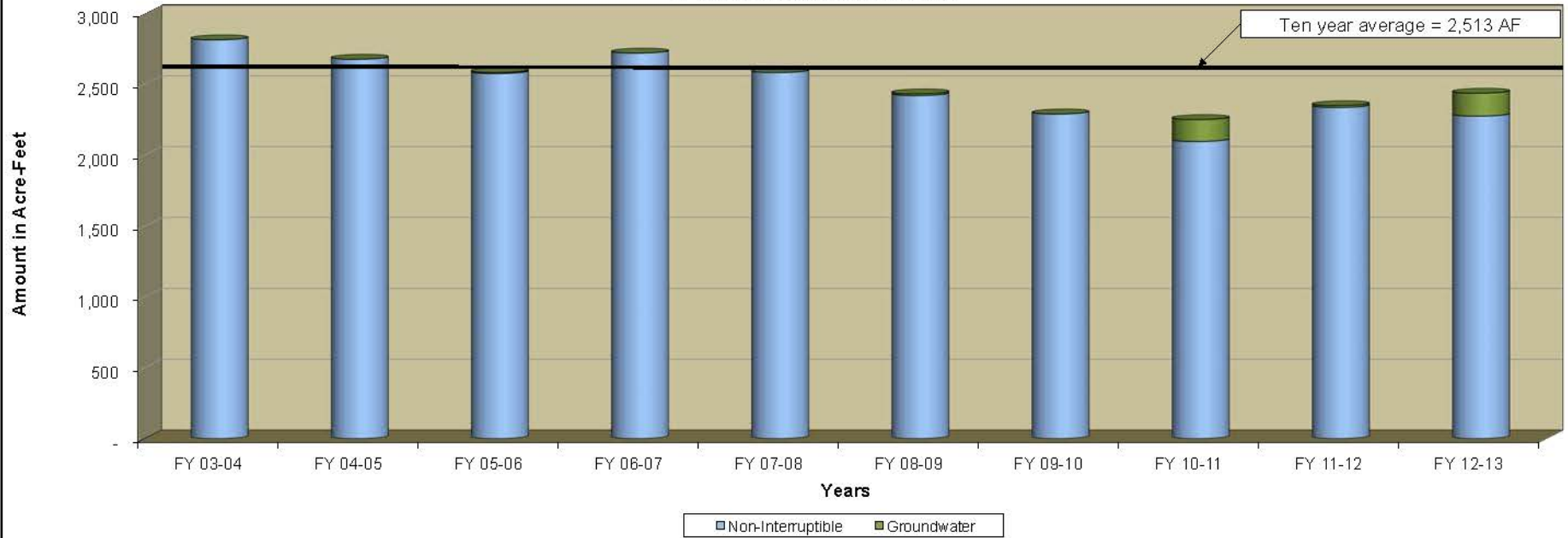


**City of Lomita
Imported Water Usage**



Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	3.80	-	-	19.66	6.67	-	0.93	4.64	30.28	37.03	58.78	161.79
Non-Interruptible	219.30	234.00	222.40	210.10	195.30	167.50	167.40	156.20	185.70	174.70	175.70	166.70	2,275.00
Recycled Water	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	219.30	237.80	222.40	210.10	214.96	174.17	167.40	157.13	190.34	204.98	212.73	225.48	2,436.79

City of Lomita
10-Year Average Total Water Use



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater	-	-	7.62	-	-	11.60	-	154.66	12.81	161.79	34.85
Non-Interruptible	2,813.40	2,676.40	2,575.50	2,720.00	2,582.50	2,420.30	2,290.30	2,096.20	2,336.00	2,275.00	2,478.56
Recycled Water	-	-	-	-	-	-	-	-	-	-	-
Total	2,813.40	2,676.40	2,583.12	2,720.00	2,582.50	2,431.90	2,290.30	2,250.86	2,348.81	2,436.79	2,513.41

**City of Manhattan Beach
FY 12-13 Total Water Use**

City of Manhattan Beach
3621 Bell Ave.
Manhattan Beach, CA 90266

2014 Capacity Reservation Charge (cfs)*

2010 = 10.1

2011 = 9.7

2012 = 9.5

Peak = 10.1

*Note: The 2014 CRC is the highest daily average flow for the past three years.

Contact: Mr. Vince Mastrosimone, Public Works Director

Office: (310) 802-5303

Fax: (310) 802-5301

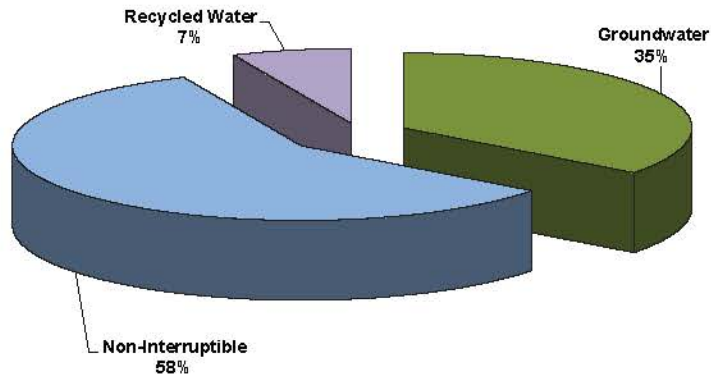
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WB-4

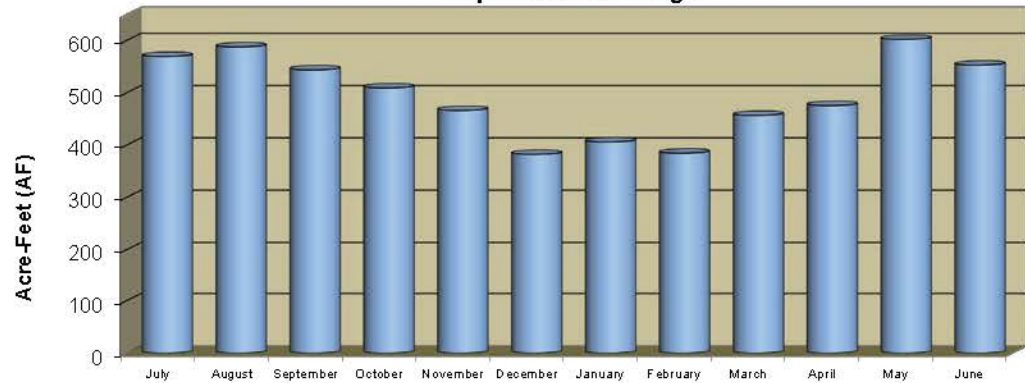
Adjudicated Water Rights

1,131 AF

**FY 2012/13 Sources of
Water Supplies**

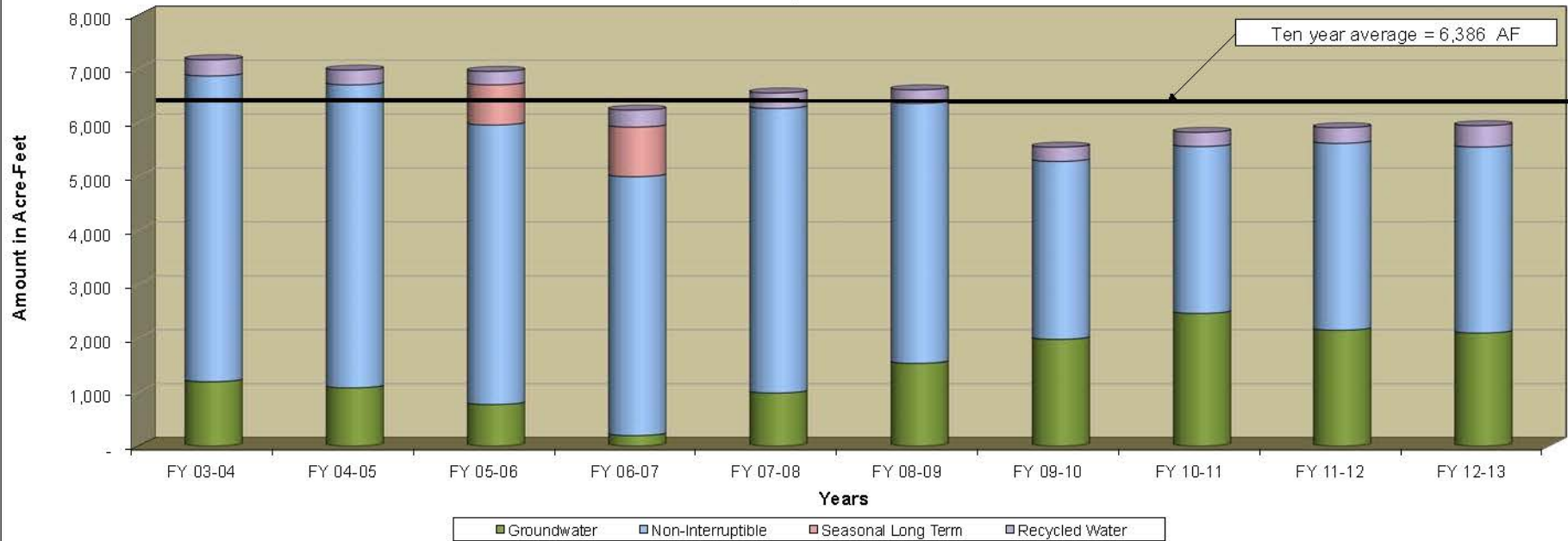


**City of Manhattan Beach
Imported Water Usage**



Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	255.89	292.24	208.40	199.19	175.72	54.71	185.71	104.85	89.12	226.25	92.94	210.70	2,095.72
Non-Interruptible	278.20	249.90	301.60	278.40	267.90	319.20	213.20	264.60	349.30	223.00	409.00	296.10	3,450.40
Recycled Water	35.88	46.07	34.25	32.13	23.13	8.89	7.51	15.63	18.85	26.74	100.73	46.61	396.42
Total	569.97	588.21	544.25	509.72	466.75	382.80	406.42	385.08	457.27	475.99	602.67	553.41	5,942.54

City of Manhattan Beach
10-Year Average Total Water Use



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater	1,193.21	1,079.13	769.92	194.11	983.66	1,534.08	1,978.56	2,460.11	2,147.87	2,095.72	1,443.64
Non-Interruptible	5,670.10	5,619.50	5,184.70	4,802.00	5,277.70	4,821.60	3,301.00	3,094.80	3,466.10	3,450.40	4,468.79
Seasonal Long Term	-	-	744.70	919.20	-	-	-	-	-	-	184.88
Recycled Water	301.45	273.63	249.48	316.25	287.93	251.37	264.00	263.93	290.65	396.42	289.51
Total	7,164.76	6,972.26	6,948.80	6,231.56	6,549.29	6,607.05	5,543.56	5,818.84	5,904.62	5,942.54	6,386.82

Golden State Water Company FY 12-13 Total Water Use

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

Contact: Mr. Fred Adjarian, District Manager
Office: (310) 767-8200 ext 502
Fax: (310) 436-6065

2014 Capacity Reservation Charge (cfs)*

2010 = 34.9
2011 = 31.4
2012 = 34.6

Peak = 34.9

*Note: The 2014 CRC is the highest daily average flow for the past three years.

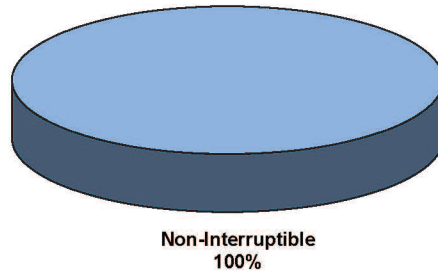
*Note: The CRC shown is for GSWC Southwest District and Culver City combined

Imported Connections

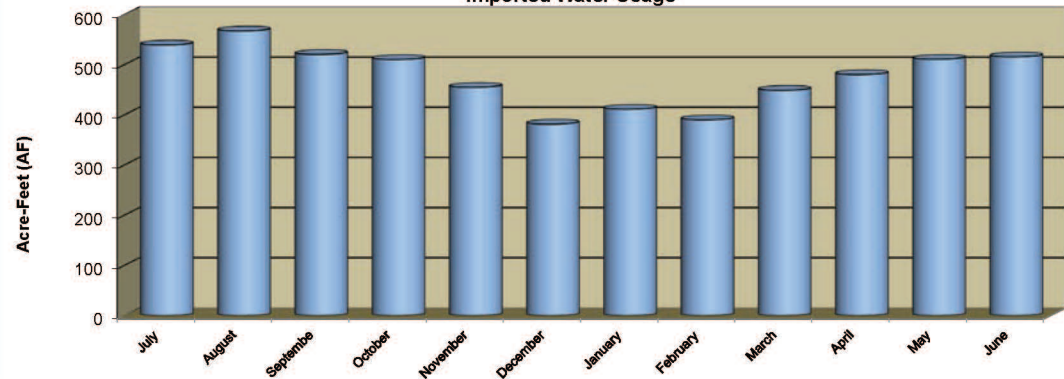
WB-23 WB-34
WB-24

Adjudicated Water Rights
7,502 AF

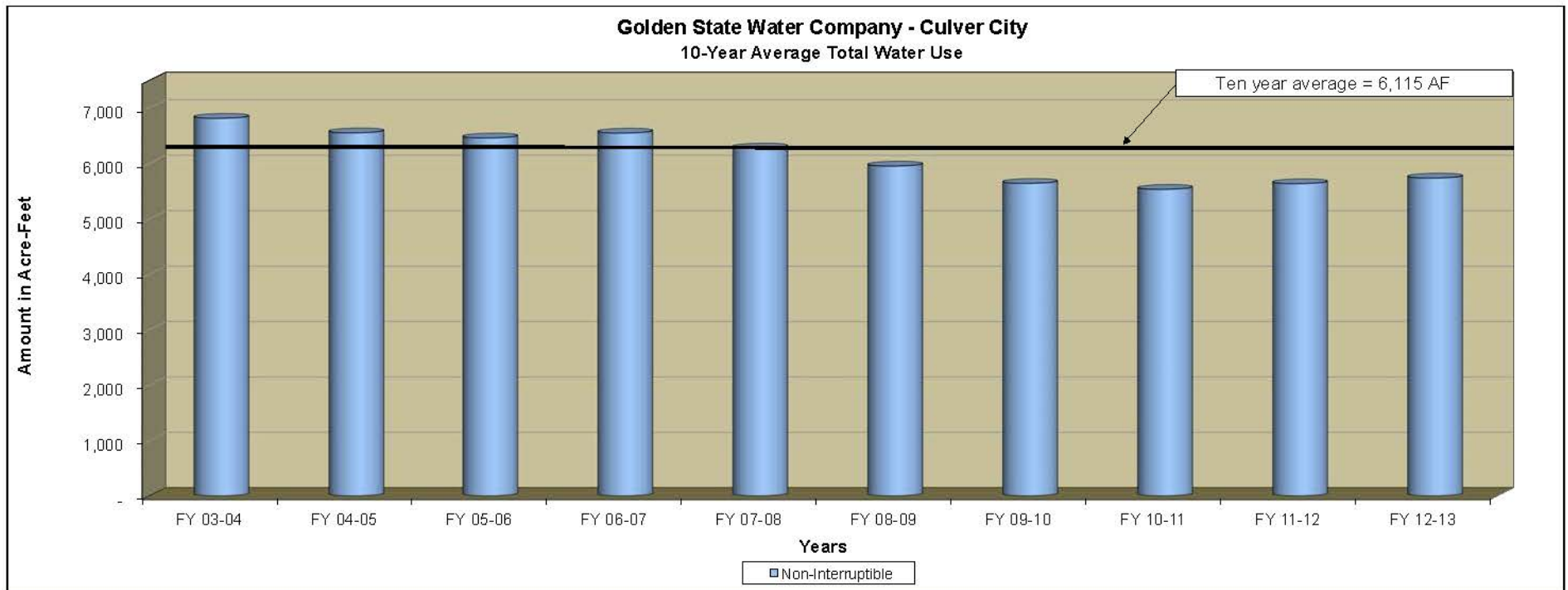
FY 2012/13 Sources of Water Supplies



**Golden State Water Company
Imported Water Usage**



Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	539.80	567.80	521.00	510.90	455.40	382.00	411.70	390.60	449.50	480.80	511.40	516.00	5,736.90
Recycled Water	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	539.80	567.80	521.00	510.90	455.40	382.00	411.70	390.60	449.50	480.80	511.40	516.00	5,736.90



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	6,815.50	6,553.00	6,460.40	6,548.80	6,278.80	5,953.20	5,640.40	5,533.10	5,635.20	5,736.90	6,115.53
Recycled Water	-	-	-	-	-	-	-	-	-	-	-
Total	6,815.50	6,553.00	6,460.40	6,548.80	6,278.80	5,953.20	5,640.40	5,533.10	5,635.20	5,736.90	6,115.53

Golden State Water Company FY 12-13 Total Water Use

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

Contact: Mr. Fred Adjarian, District Manager
Office: (310) 767-8200 ext 502
Fax: (310) 436-6065

2014 Capacity Reservation Charge (cfs)*

2010 = 34.9
2011 = 31.4
2012 = 34.6

Peak = 34.9

*Note: The 2014 CRC is the highest daily average flow for the past three years.

*Note: The CRC shown is for GSWC Southwest District and Culver City combined

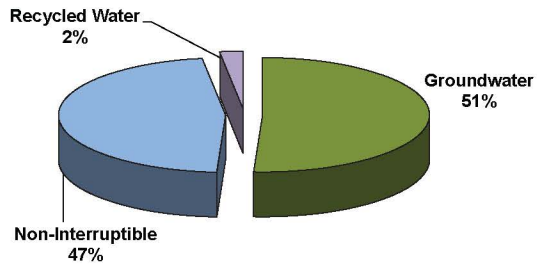
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WB-1 WB-15
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WB-11 WB-30
WB-12 WB-31
WB-13 WB-33

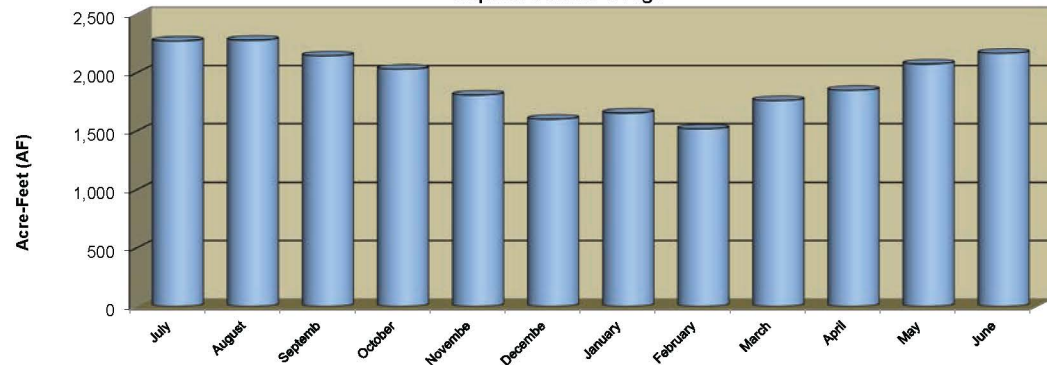
Adjudicated Water Rights

7,502 AF

FY 2012/13 Sources of Water Supplies

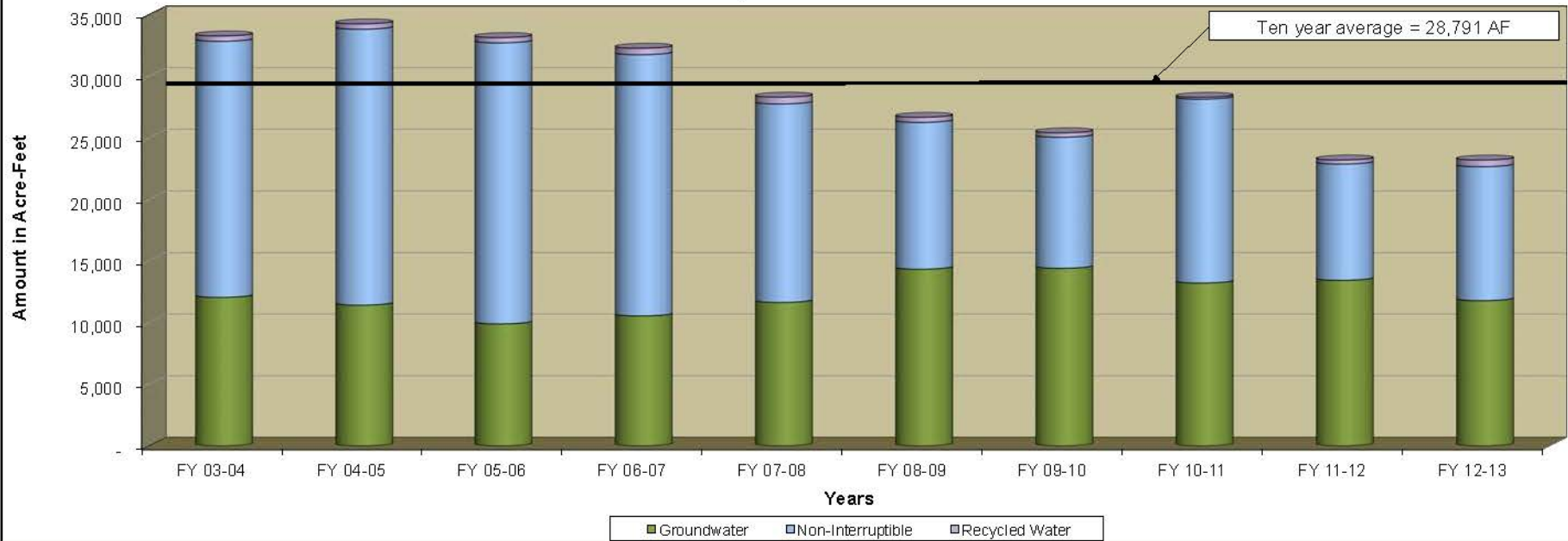


Golden State Water Company Imported Water Usage



Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	1,064.75	1,063.01	1,022.58	1,053.89	1,011.05	952.62	894.83	799.03	873.13	922.50	1,003.32	1,124.76	11,785.47
Non-Interruptible	1,137.90	1,145.80	1,051.20	932.10	761.50	641.60	753.00	707.20	865.90	887.50	1,015.60	969.00	10,868.30
Recycled Water	72.47	72.93	74.20	47.89	38.27	8.71	8.14	13.94	24.68	41.96	58.46	75.93	537.58
Total	2,275.12	2,281.74	2,147.98	2,033.88	1,810.82	1,602.93	1,655.97	1,520.17	1,763.71	1,851.96	2,077.38	2,169.69	23,191.35

Golden State Water Company - Southwest District
10-Year Average Total Water Use



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater	12,048.79	11,416.11	9,899.49	10,540.24	11,638.10	14,334.55	14,408.21	13,213.43	13,434.33	11,785.47	12,271.87
Non-Interruptible	20,777.00	22,388.90	22,799.90	21,198.70	16,103.40	11,917.00	10,634.10	14,919.70	9,430.50	10,868.30	16,103.75
Recycled Water	431.66	434.84	429.41	522.75	552.42	410.00	360.07	147.50	333.42	537.58	415.97
Total	33,257.45	34,239.85	33,128.80	32,261.69	28,293.92	26,661.55	25,402.38	28,280.63	23,198.25	23,191.35	28,791.59

Water Replenishment District of Southern California FY 12-13 Total Water Use

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

2014 Capacity Reservation Charge (cfs)*

2010 = 33.7

2011 = 46.8

2012 = 18.4

Peak = 46.8

*Note: The 2014 CRC is the highest daily average flow for the past three years.

Contact: Mr. Robb Whitaker, General Manager

Office: (562) 275-4220

Fax: (562) 275-4270

Imported Connections

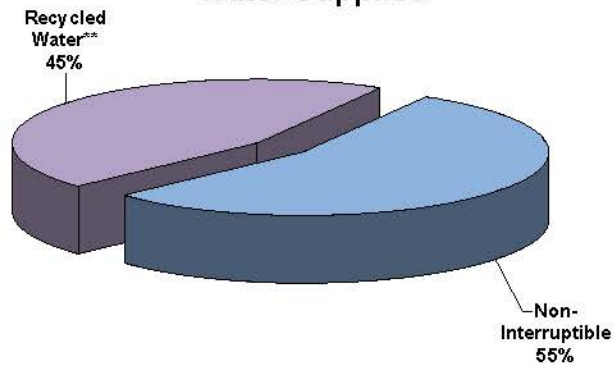
WB-28

WB-37

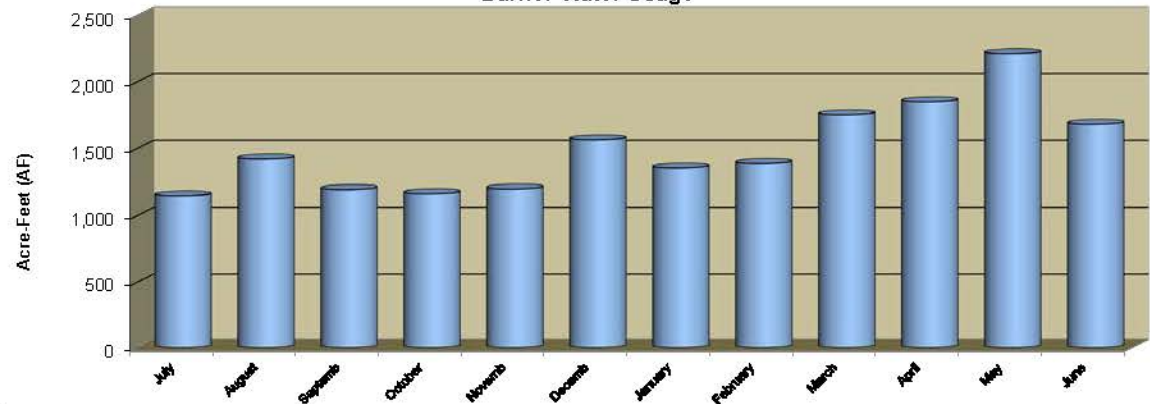
Adjudicated Water Rights

-

FY 2012/13 Sources of Water Supplies



Water Replenishment District of Southern California Barrier Water Usage

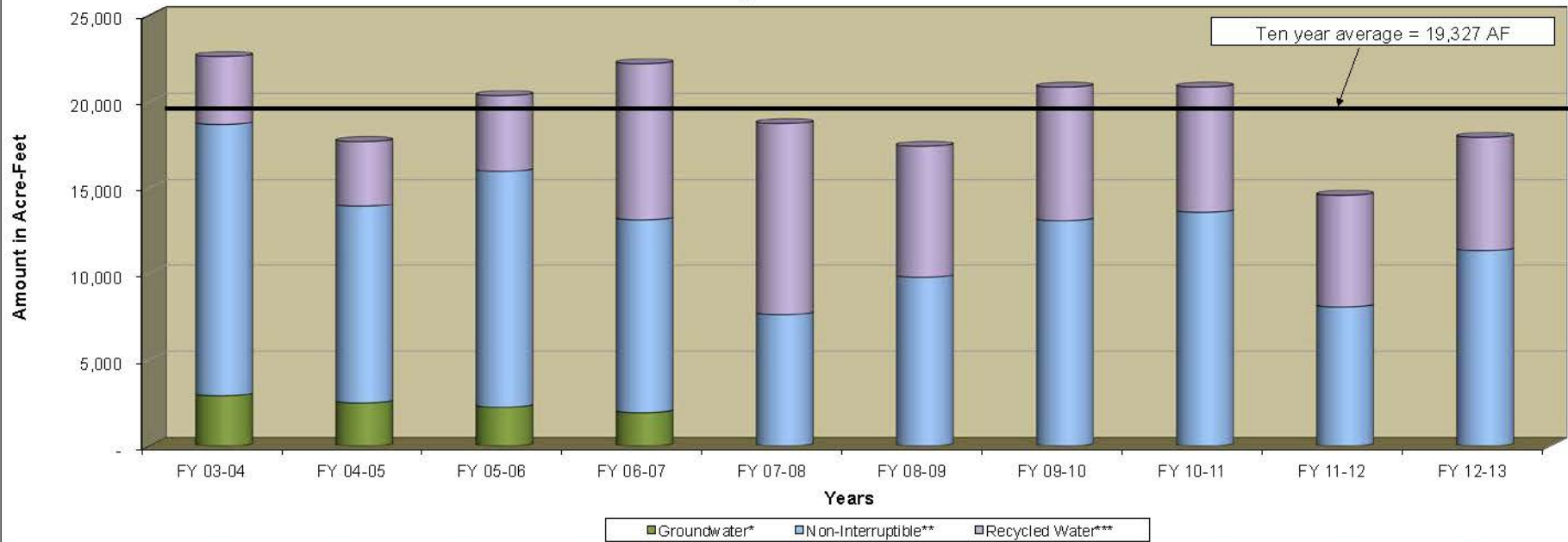


Type of Water Supply	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater*	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Interruptible	629.82	854.17	584.51	563.42	647.16	1,094.24	1,078.54	1,003.96	1,204.35	1,087.30	1,543.50	1,029.15	11,320.12
Recycled Water**	520.00	568.20	611.10	601.70	552.90	471.80	275.80	384.50	549.30	764.30	669.20	653.30	6,622.10
Total	1,149.82	1,422.37	1,195.61	1,165.12	1,200.06	1,566.04	1,354.34	1,388.46	1,753.65	1,851.60	2,212.70	1,682.45	17,942.22

*Groundwater usage is part of the Goldsworthy Desalter project.

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

Water Replenishment District of Southern California
10-Year Average Total Water Use



Type of Water Supply	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	Ten Year Averages
Groundwater*	2,917.87	2,497.05	2,250.46	1,936.07	-	-	-	-	-	-	960.15
Non-Interruptible**	15,769.16	11,399.72	13,722.31	11,161.68	7,608.68	9,773.57	13,054.18	13,533.66	8,056.77	11,320.12	11,539.99
Recycled Water***	3,934.70	3,799.20	4,383.10	9,104.00	11,129.00	7,652.30	7,796.60	7,319.80	6,530.60	6,622.10	6,827.14
Total	22,621.73	17,695.97	20,355.87	22,201.75	18,737.68	17,425.87	20,850.78	20,853.46	14,587.37	17,942.22	19,327.27

*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.

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WATER RECYCLING PROGRAM

WEST BASIN WATER RECYCLING 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.

BP REFINERY CAPACITY EXPANSION PROJECT



Project Description: Provides additional microfiltration capacity, expands reverse osmosis production, and adds additional nitrification process capacity to serve increase demands from BP.



Justification of Project: Increase overall capacity of the existing Carson Facility serving the BP Refinery.

Planned work for FY 2013-14: Preliminary and 30% level design efforts for Carson Regional Water Recycling Facility expansion.

Project Schedule:
Planning
Design
Construction

Start Date:
January 2012
January 2013
June 2014

Completion Date:
December 2013
June 2014
December 2015

HYPERION SECONDARY EFFLUENT PUMP STATION EXPANSION & ELECTRICAL FEED



Project Description: Expansion, upgrade, and backup power addition of West Basin's existing Hyperion Secondary Effluent Pump Station Facility.



Justification of Project: In order to meet the increasing demands for recycled water, the capacity of the existing Hyperion Secondary Effluent Pump Station will need to be expanded. In addition, a backup power source feed is needed to provide reliability and redundancy in the event the current power is damaged or lost in a power outage.

Planned work for FY 2013-14: Design efforts to develop plan and specifications for construction bidding.

Project Schedule:
Planning
Design
Construction

Start Date:
April 2012
March 2013
February 2014

Completion Date:
February 2013
February 2014
June 2015

WATER QUALITY FACILITY IMPROVEMENTS



Project Description: Several water quality improvements, such as treatment facility improvements, disinfection booster station facilities, and backup potable water supplies will be required throughout West Basin's distribution system to meet customer and regulatory specifications.



Justification of Project: Water quality improvements will be implemented to address customer requirements and maintain a reliable water supply source.

Planned work for FY 2013-14: Various projects including design and initial construction efforts for Inglewood Disinfection Station.

Project Schedule:
Planning
Design
Construction

Start Date:
January 2011
September 2013
February 2014

Completion Date:
August 2013
February 2014
September 2015

HARBOR AREA EXPANSION PROJECT LATERALS



Project Description: Continued expansion of West Basin Recycled Water distribution system and construct of new pipeline laterals and conveyance facilities.

Justification of Project: Meet Water Reliability 2020 goals.



Planned work for FY 2013-14: Various small diameter service laterals and conveyance facility improvements to meet customer recycled water needs.

Project Schedule:
Planning/Design/Construction

Start Date:
Ongoing

Completion Date:
Ongoing

NITRIFIED WATER ALKALINITY PROCESS UPGRADES

Project Description: Construct new Nitrified Water Alkalinity Upgrades to improve overall treatment processes at West Basin satellite facilities.

Justification of Project: Construction of the Nitrified Water Alkalinity Process Upgrades will improve water quality and enhance production capacity.

Planned work for FY 2013-14: Preliminary and initial design of facility improvements.

Project Schedule:	Start Date:	Completion Date:
Planning	February 2012	July 2013
Design	August 2013	July 2014
Construction	July 2014	March 2015



BP REFINERY TEMPORARY MF SYSTEM



Project Description: Addition of Temporary Microfiltration System (MF) to increase MF production.

Justification of Project: Reduced capacity of existing MF system requires addition of new temporary MF system until a permanent solution can be implemented.

Planned work for FY 2013-14: Design, procurement, and installation of facilities.



Project Schedule:	Start Date:	Completion Date:
Planning	January 2013	March 2013
Design	April 2013	June 2013
Construction	August 2013	December 2013

- ★ WEST BASIN SATELLITE PLANTS
- RECYCLED WATER PIPELINE
- BRINE LINE
- WEST BASIN SERVICE AREA
- CITY BOUNDARIES
- UNINCORPORATED LA COUNTY COMMUNITIES

WEST BASIN MUNICIPAL WATER DISTRICT SATELLITE PLANTS



EDWARD C. LITTLE WATER RECYCLING FACILITY



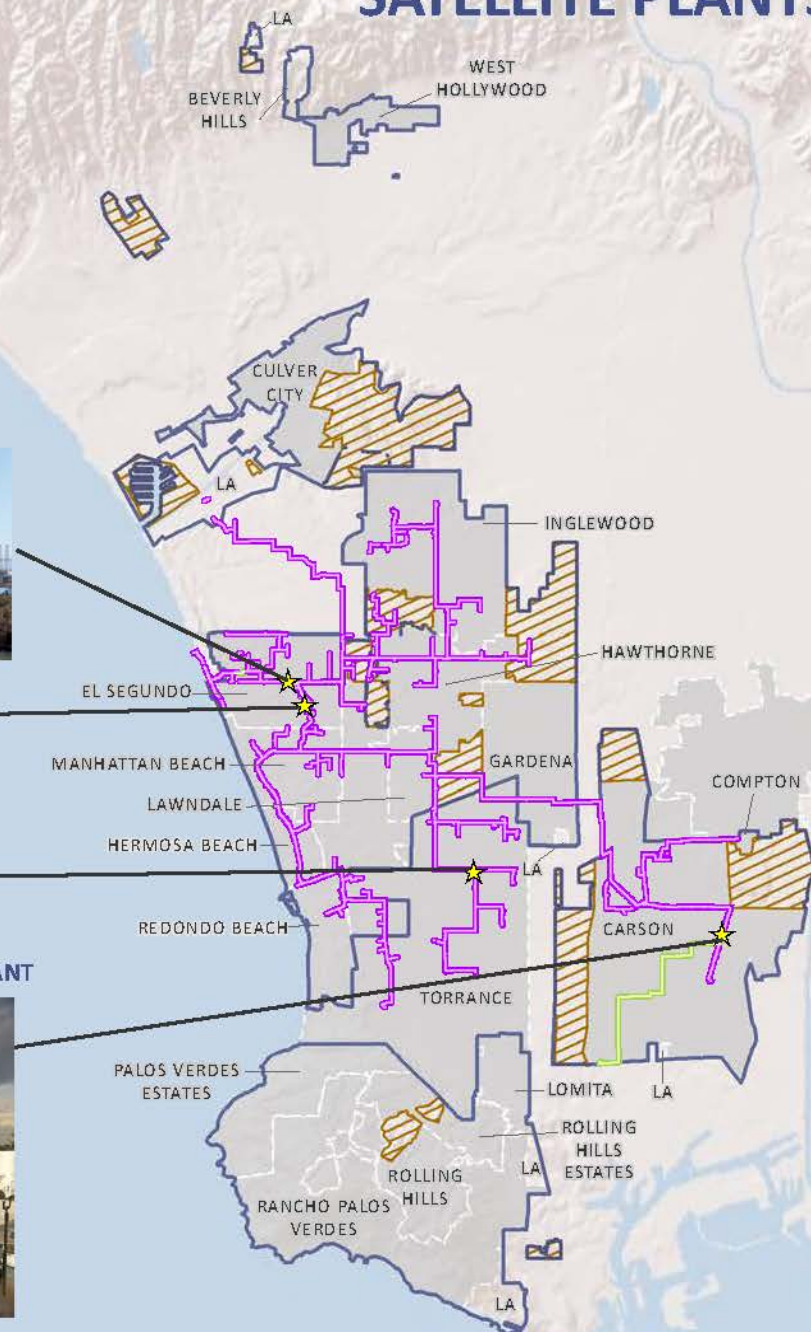
CHEVRON NITRIFICATION PLANT



EXXON MOBIL NITRIFICATION PLANT

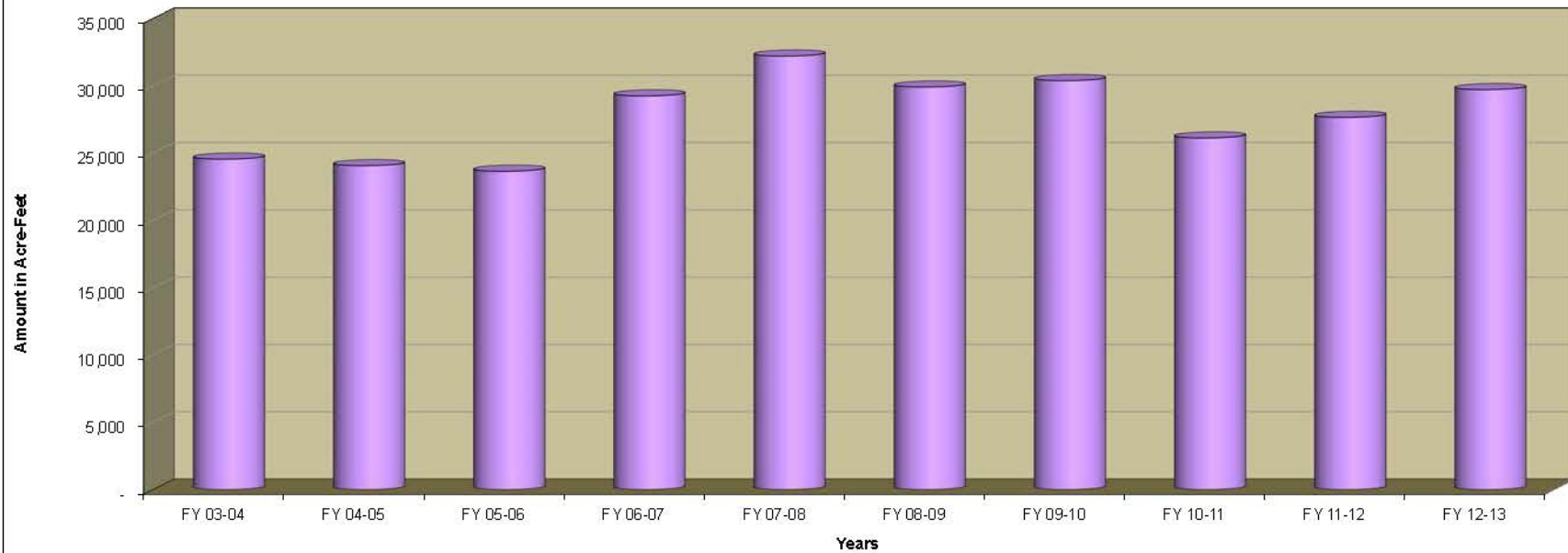


CARSON REGIONAL WATER RECYCLING PLANT



0 2 4 Miles

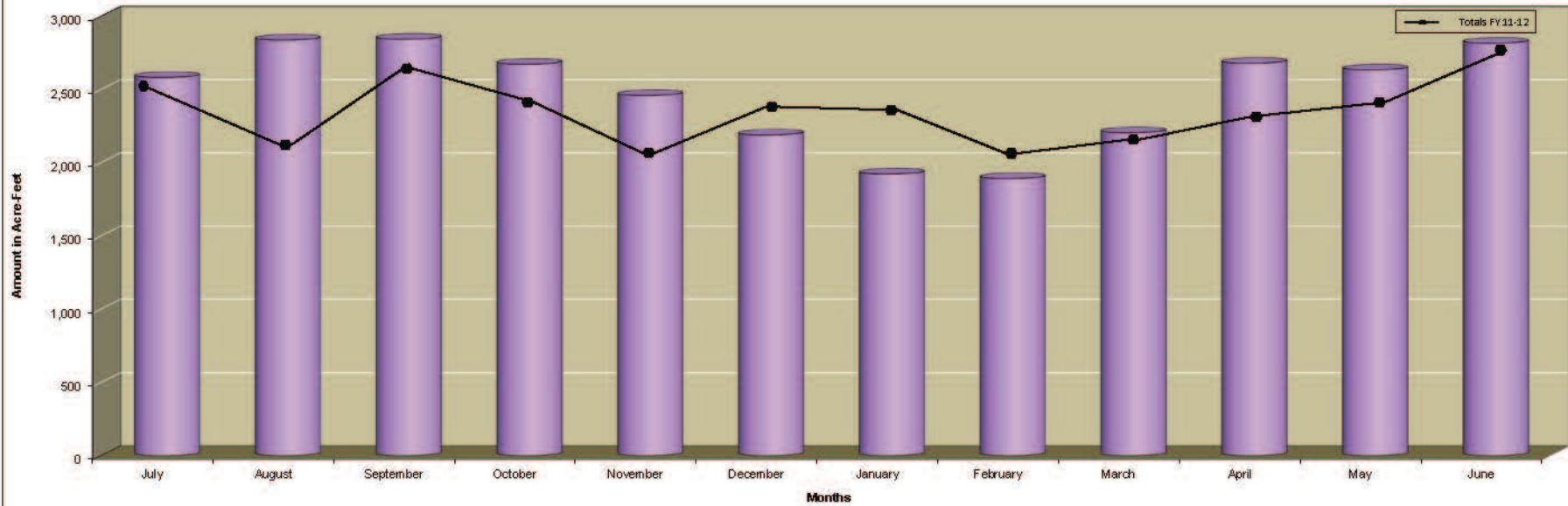
West Basin MWD 10 Year Recycled Water Sales



West Basin MWD	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	TOTAL
CWS - Dominguez	3,639.38	3,615.50	3,665.49	3,610.23	4,690.03	5,292.89	4,958.66	4,391.87	5,521.95	5,841.15	45,227.15
CWS - Hawthorne	111.77	110.64	111.04	117.72	84.79	98.61	90.38	79.20	89.65	107.65	1,001.45
CWS - Hermosa Redondo	143.63	106.89	119.05	140.88	144.52	162.55	150.20	132.73	135.74	161.93	1,396.12
City of El Segundo	8,310.17	7,868.41	7,404.51	8,200.97	7,864.89	8,977.91	9,034.50	6,837.52	6,887.65	7,665.00	78,851.53
City of Inglewood	637.95	594.53	568.00	797.06	649.96	679.84	621.30	606.42	641.55	782.53	6,579.14
City of Manhattan Beach	301.45	273.63	249.48	316.25	287.93	251.37	264.00	263.93	290.65	396.42	2,895.11
City of Torrance	195.72	186.48	253.31	284.75	311.30	277.42	271.97	234.42	283.24	270.57	2,569.18
City of Torrance - Mobil	6,385.24	6,734.75	6,155.87	5,774.39	6,077.87	5,598.73	6,172.62	5,550.53	6,068.83	6,363.65	60,882.48
Golden State Water Company	431.66	434.84	429.41	522.75	552.42	410.00	360.07	147.50	333.42	537.58	4,159.65
Inglewood Unified School District*	67.39	59.63	57.10	67.74	55.91	62.42	55.64	-	-	-	425.83
LA Dept. of Water and Power	393.90	283.31	256.60	313.28	360.35	444.11	608.21	762.80	875.59	967.81	5,265.96
Water Replenishment District	3,934.70	3,799.20	4,383.10	9,104.00	11,129.00	7,652.30	7,796.60	7,319.80	6,530.60	6,622.10	68,271.40
West Basin Inland Use	-	-	-	-	-	-	-	-	-	-	-
Total	24,552.96	24,067.81	23,652.96	29,250.02	32,208.97	29,908.15	30,384.15	26,126.72	27,658.87	29,716.39	277,527.00

* The values for FY 10-11, 11-12 and 12-13 are included in the value for the City of Inglewood

West Basin MWD Recycled Water Sales FY 2012-13



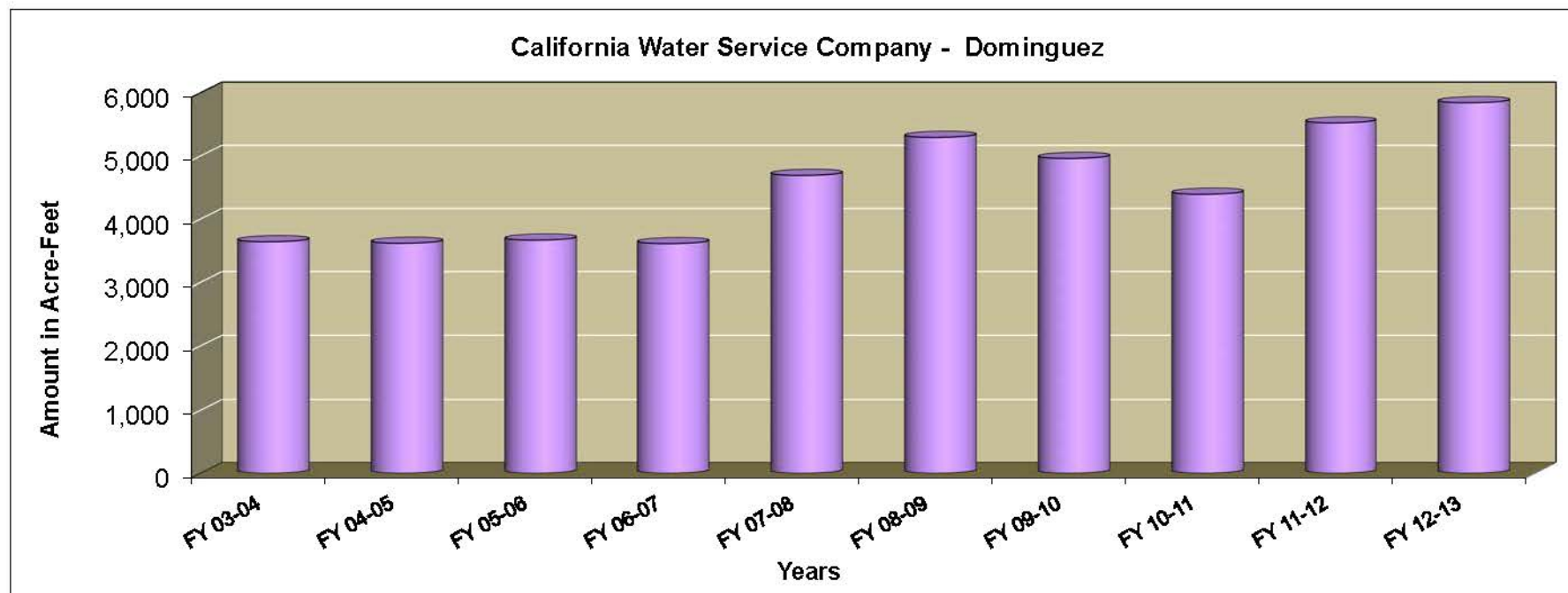
West Basin MWD	FY 2012-13												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
CWS - Dominguez	519.80	564.20	660.75	543.60	529.53	435.71	417.75	305.16	348.08	439.65	498.93	577.99	5,841.15
CWS - Hawthorne	11.15	13.63	14.06	10.61	12.67	3.84	2.93	4.40	4.86	6.73	10.44	12.33	107.65
CWS - Hermosa Redondo	21.60	20.77	23.64	15.25	14.01	5.11	2.48	4.95	6.60	11.13	15.90	20.49	161.93
City of El Segundo	681.42	701.04	640.88	666.67	635.18	645.82	596.63	525.41	573.24	600.75	687.63	710.33	7,665.00
City of Inglewood	71.01	133.03	91.07	91.15	33.51	6.34	8.35	26.65	45.62	102.48	80.12	93.20	782.53
City of Manhattan Beach	35.88	46.07	34.25	32.13	23.13	8.89	7.51	15.63	18.85	26.74	100.73	46.61	396.42
City of Torrance	35.65	33.48	33.00	30.42	20.57	11.37	7.39	11.56	11.29	19.59	30.47	25.78	270.57
City of Torrance - Mobil	501.90	581.47	554.00	545.11	538.16	530.25	548.20	538.62	579.98	559.78	388.90	497.28	6,363.65
Golden State Water Company	72.47	72.93	74.20	47.89	38.27	8.71	8.14	13.94	24.68	41.96	58.46	75.93	537.58
LA Dept. of Water and Power	110.21	101.20	104.75	86.44	59.76	60.61	46.76	59.91	41.00	104.41	91.52	101.24	967.81
Water Replenishment District	520.00	568.20	611.10	601.70	552.90	471.80	275.80	384.50	549.30	764.30	669.20	653.30	6,622.10
Total	2,581.09	2,836.02	2,841.70	2,670.97	2,457.69	2,168.45	1,921.94	1,890.73	2,203.50	2,677.52	2,632.30	2,814.48	29,716.39

Recycled Water Use

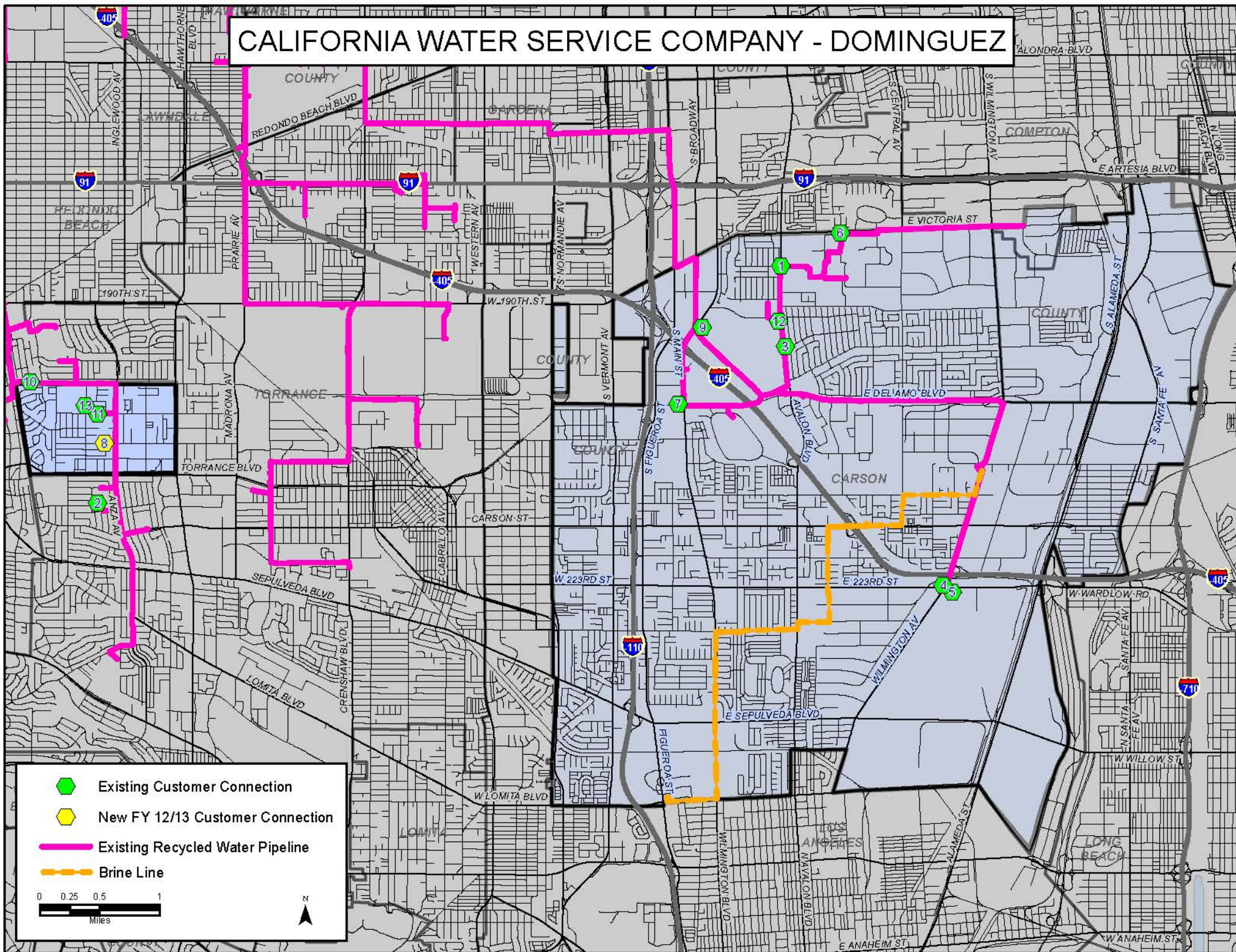
California Water Service Company - Dominguez		Total Use FY 2012-13
1	Anschutz So Cal Sports	63.51
2	Anza Elementary	15.95
3	Avalon Median N/Elsmere	11.20
4	BP Refinery - Nitrification	1,178.92
5	BP Refinery - R/O	4,028.65
6	Cal State Univ Dominguez	169.49
7	City of Carson	3.09
8	City of Torrance*	10.22
9	Goodyear	51.26
10	Sunny Glenn Park	11.27
11	Torrance USD	18.65
12	Victoria Golf Course	242.21
13	West High School	36.73
Total		5,841.15

* 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.



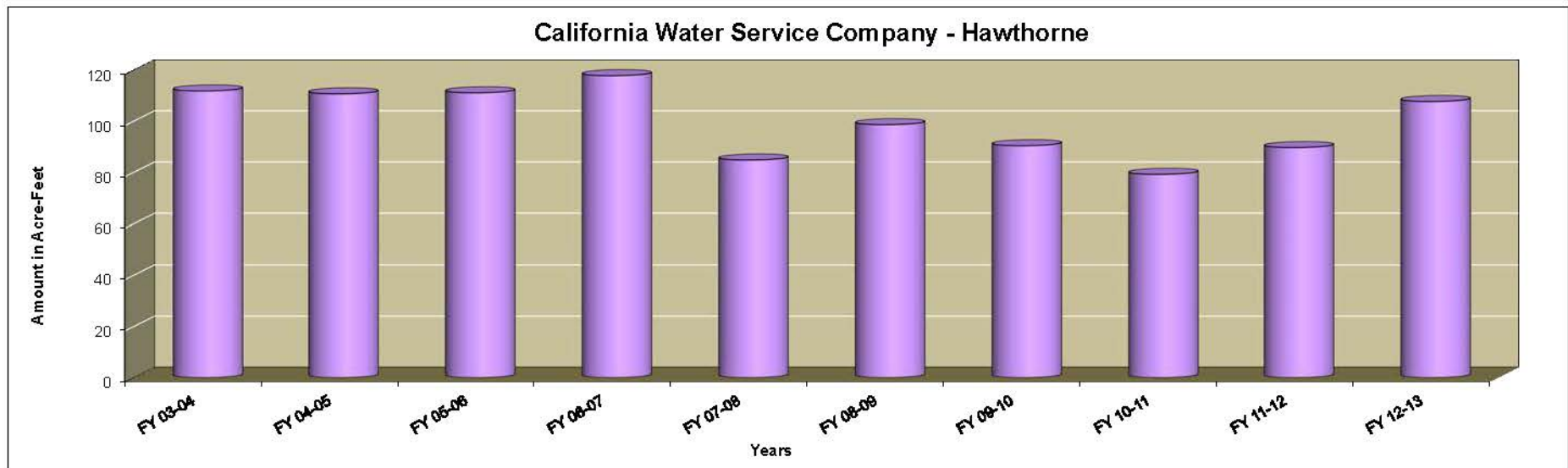
CALIFORNIA WATER SERVICE COMPANY - DOMINGUEZ



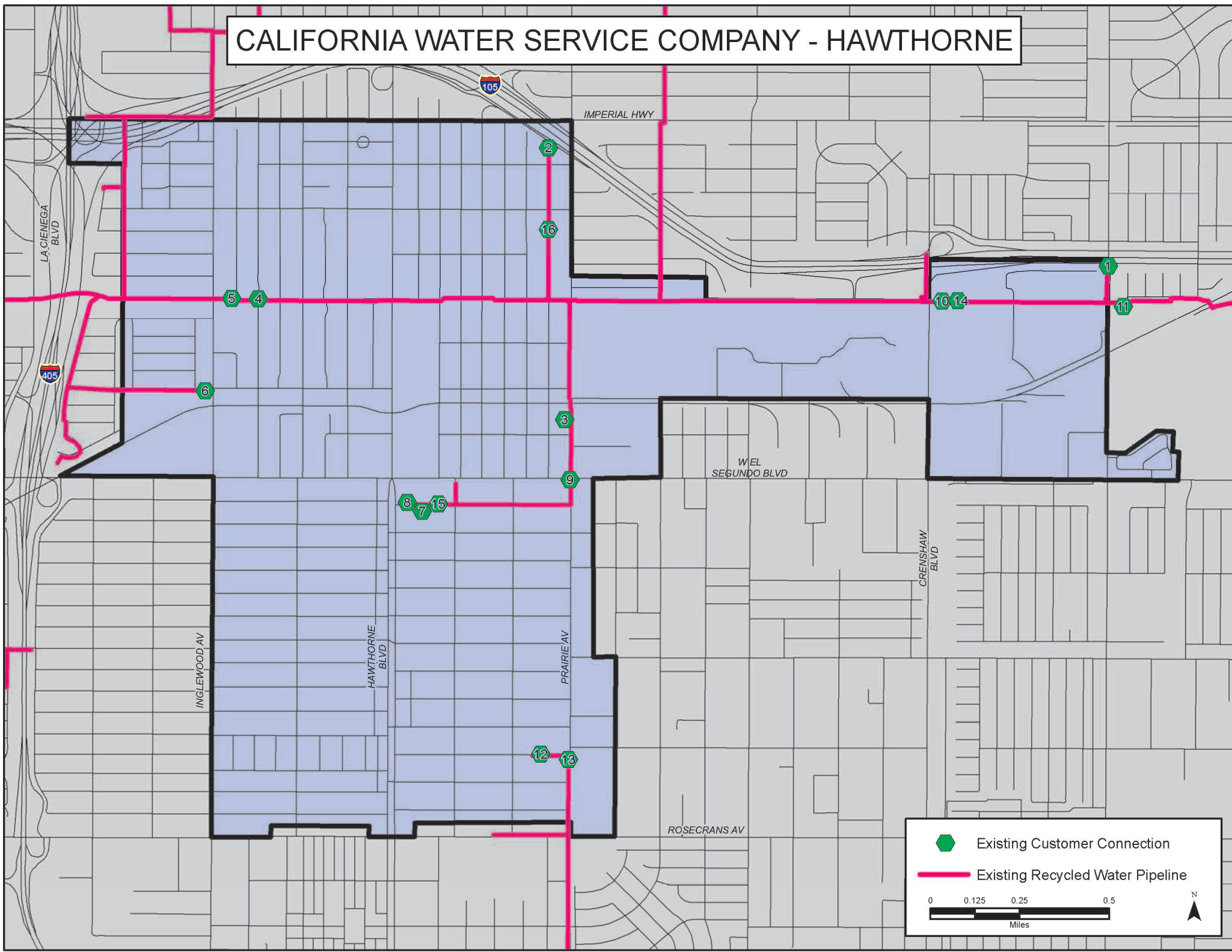
Recycled Water Use

California Water Service Company - Hawthorne		Total Use FY 2012-13
1	Caltrans (I-105/Van Ness)	-
2	Caltrans (I-105/York St.)	-
3	City of Hawthorne	3.93
4	Eucalyptus Avenue School	7.19
5	Eucalyptus Park	7.95
6	Hawthorne High School	16.53
7	Hawthorne Intermediate School	6.42
8	Hawthorne Medians	9.68
9	Hawthorne Memorial Park	8.14
10	Hawthorne Municipal Airport	0.53
11	Holly Park	21.66
12	Jefferson School	1.96
13	Jim Thorpe Park	13.21
14	Lowe's	3.80
15	Washington Avenue School	1.44
16	York Avenue School	4.69
Total		107.13

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



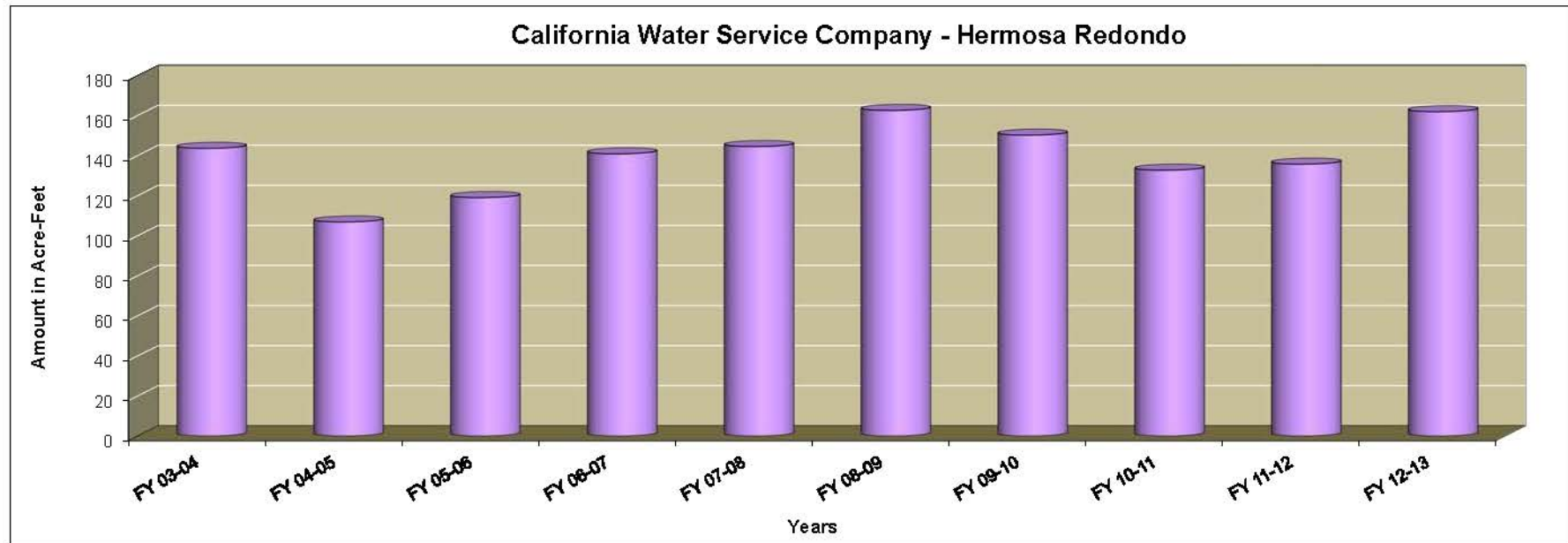
CALIFORNIA WATER SERVICE COMPANY - HAWTHORNE



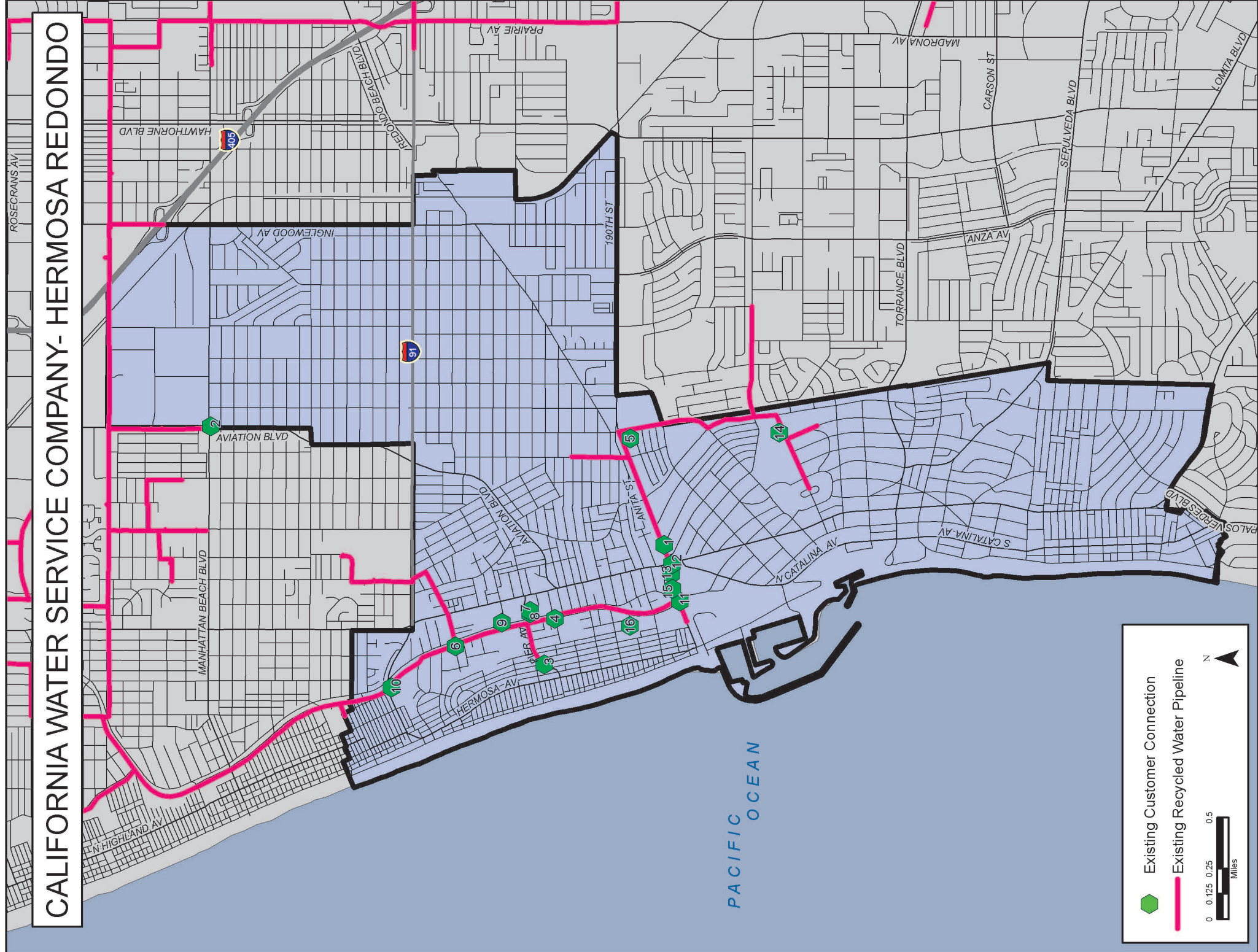
Recycled Water Use

California Water Service Company - Hermosa Redondo		Total Use FY 2012-13
1	190th St./Prospect Ave Medians (400 Blk)	0.81
2	Aviation Park	8.43
3	City of Hermosa Beach	4.20
4	Clark Park	11.03
5	Dominguez Park	28.64
6	Hermosa Beach Greenbelt	26.21
7	Hermosa Beach Community Center	5.11
8	Hermosa Beach Library And City Hall	0.40
9	Hermosa Valley Elementary School	10.97
10	Hermosa Valley Park II	30.33
11	Herondo/Francisca Median	0.72
12	PCH/190th St. Median	0.07
13	PCH/Herondo-King Harbor Park	1.31
14	Redondo Beach School District	20.68
15	Redondo Technology Center	3.79
16	South Park -Hermosa Beach	9.23
Total		161.93

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



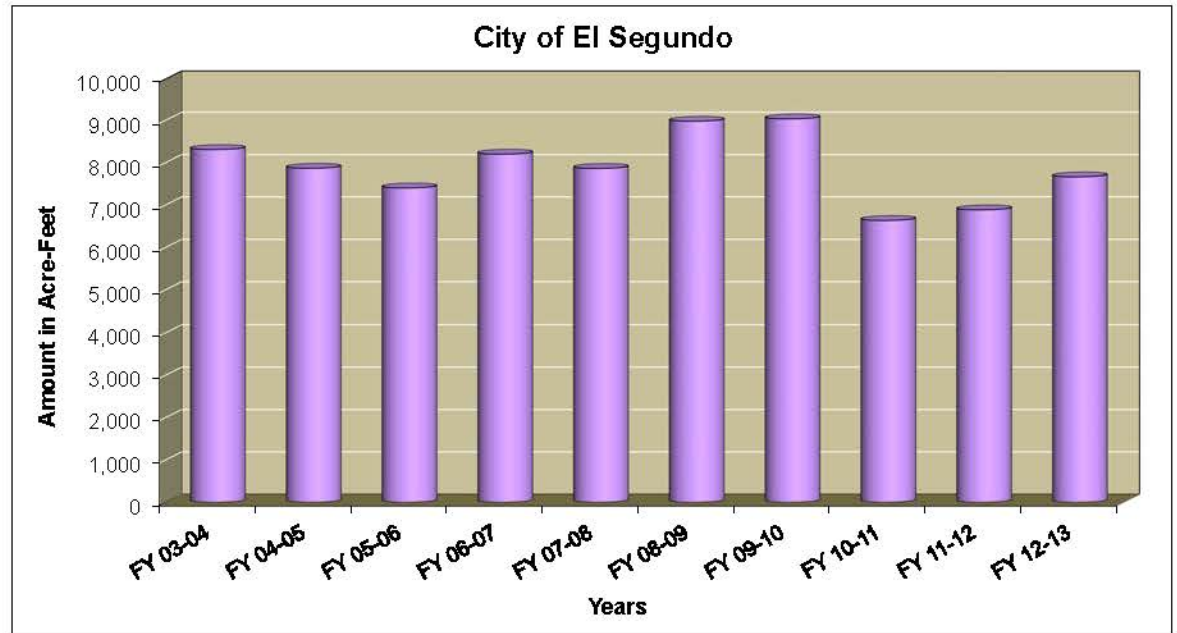
CALIFORNIA WATER SERVICE COMPANY- HERMOSA REDONDO



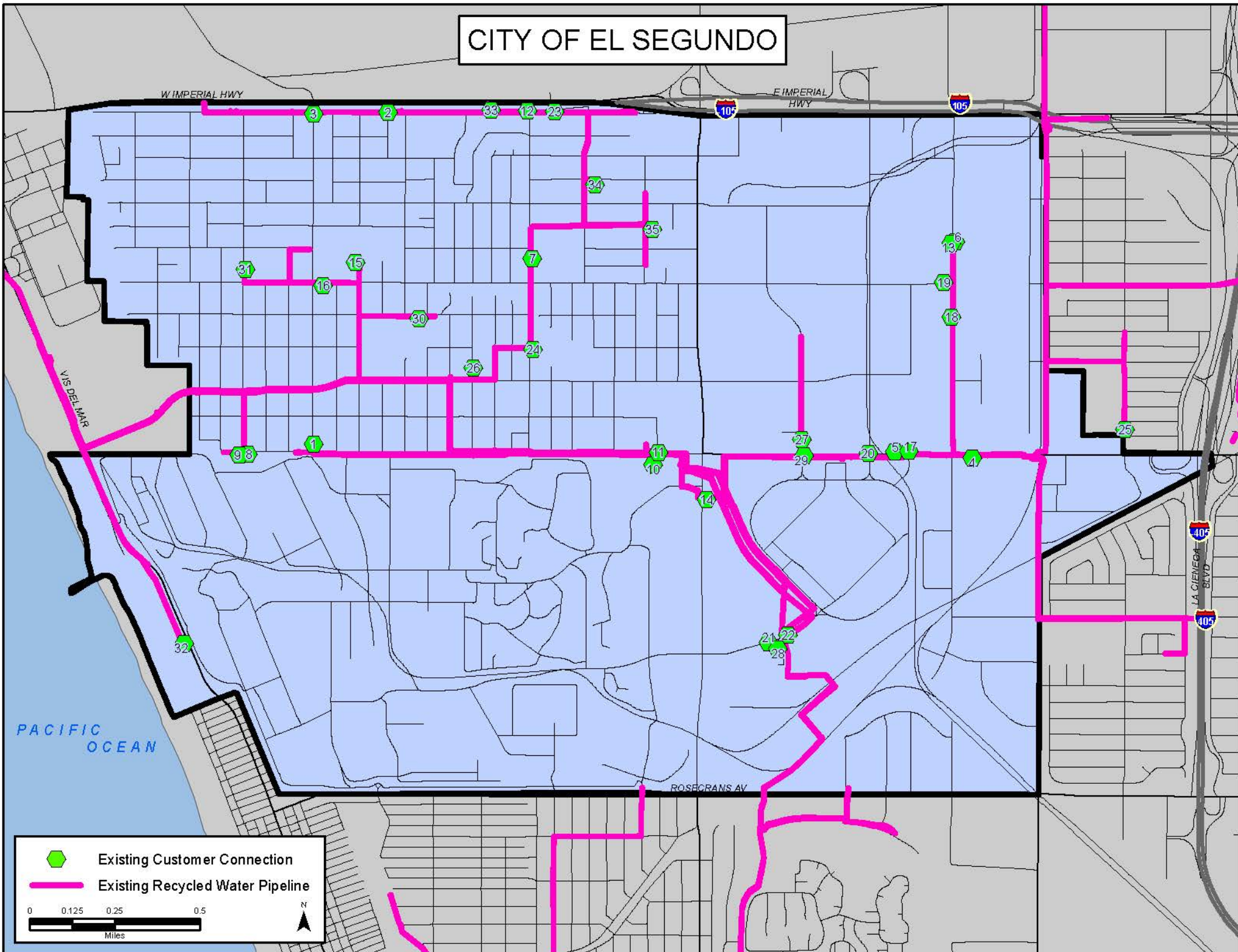
Recycled Water Use

City of El Segundo		Total Use FY 2012-13
1	350 Main St/Parks	16.45
2	351 Main St/Parks	9.26
3	352 Main St/Parks	0.96
4	Aerospace Corp.	53.84
5	Bell Industries	2.54
6	Campus El Segundo	7.51
7	Center Elementary School	19.90
8	Chevron (HP)	2,336.70
9	Chevron (LP)	1,688.20
10	Chevron Irrigation	86.91
11	Chevron Nitrification Plant	3,121.10
12	City Storm Water Detention	-
13	El Segundo Association	13.67
14	El Segundo Golf Course	62.36
15	El Segundo High School	7.46
16	El Segundo Library Park	6.93
17	El Segundo Medians	2.54
18	Equinox Operating Co.	-
19	Fire Station #2	0.65
20	Hughes Way	26.02
21	Hughes Way Median	5.10
22	Hughes Way Storm Drain Plant # 18	-
23	Imperial Ave. Parkway	7.99
24	LA Raiders Headquarters	1.84
25	LAAFB	45.79
26	Maryland Hilltop Park	3.21
27	Nash & Continental Medians	7.70
28	Plaza El Segundo	20.35
29	Raytheon	20.00
30	Recreation Park -El Segundo	36.78
31	Richmond School	5.02
32	So. Cal Edison -El Segundo Generation Station	13.06
33	Storm Drain Plant 17	-
34	Sycamore Park	2.85
35	Washington Park	20.10
Total		7,652.79

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



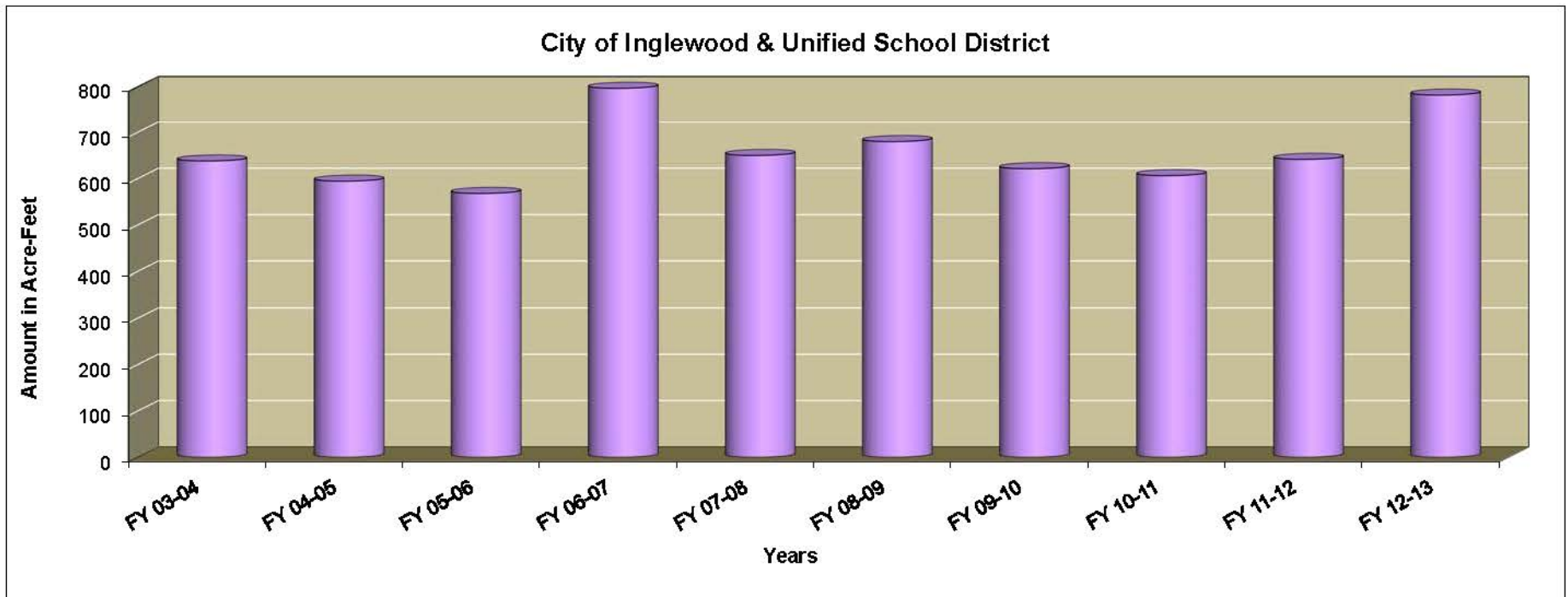
CITY OF EL SEGUNDO

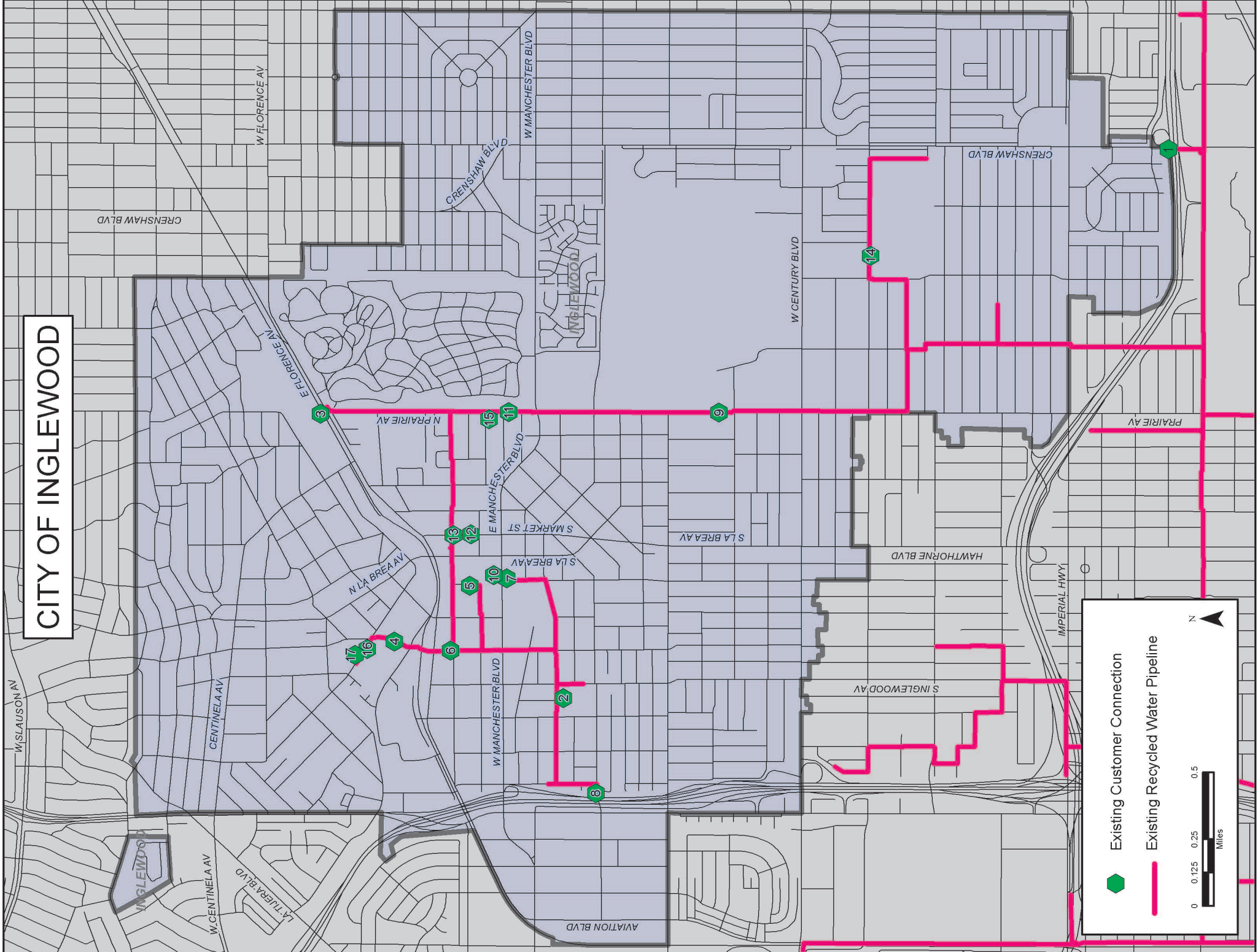


Recycled Water Use

City of Inglewood & Unified School District		Total Use FY 2012-13
1	Ashwood Park	4.27
2	Caltrans (I-105/Crenshaw)	-
3	Caroline Coleman Stadium	12.55
4	Centinela (Vincent) Park	82.66
5	City Service Yard	-
6	Crozier Jr. High	6.62
7	Florence Median	1.13
8	Grevillea Mall Park	2.13
9	Hillcrest	2.06
10	Hollywood Park	15.46
11	Inglewood City Hall	6.60
12	Inglewood Park Cemetery	556.71
13	Manchester	29.43
14	Market Street Medians	3.47
15	Morningside School	40.89
16	Rogers Park	13.74
17	Water Treatment Plant	4.81
Total		782.53

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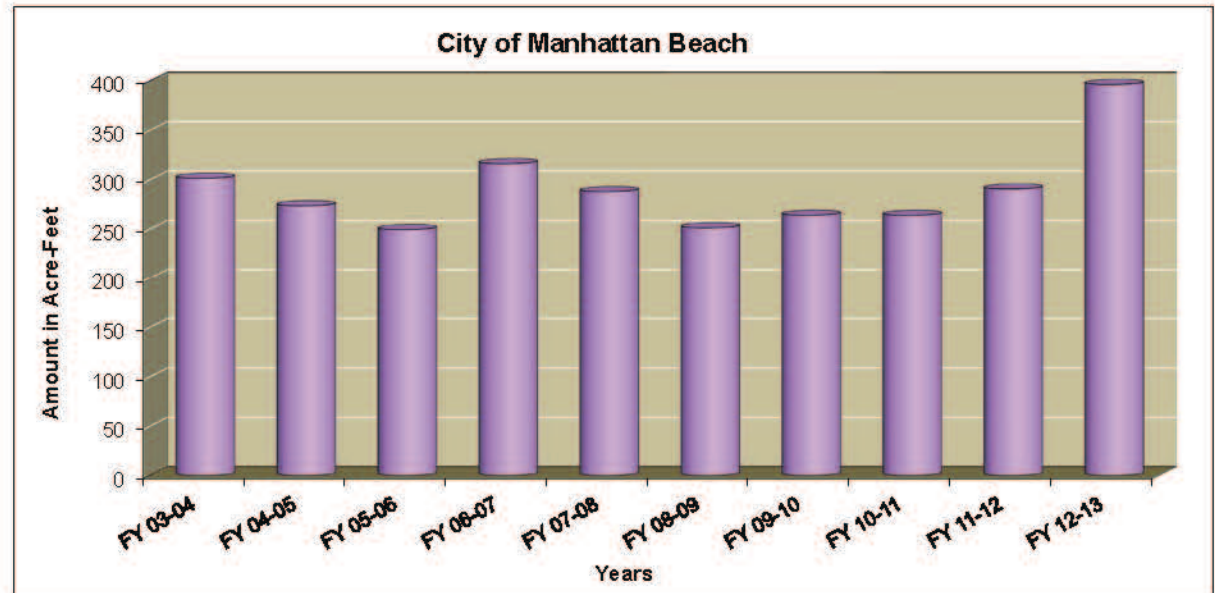


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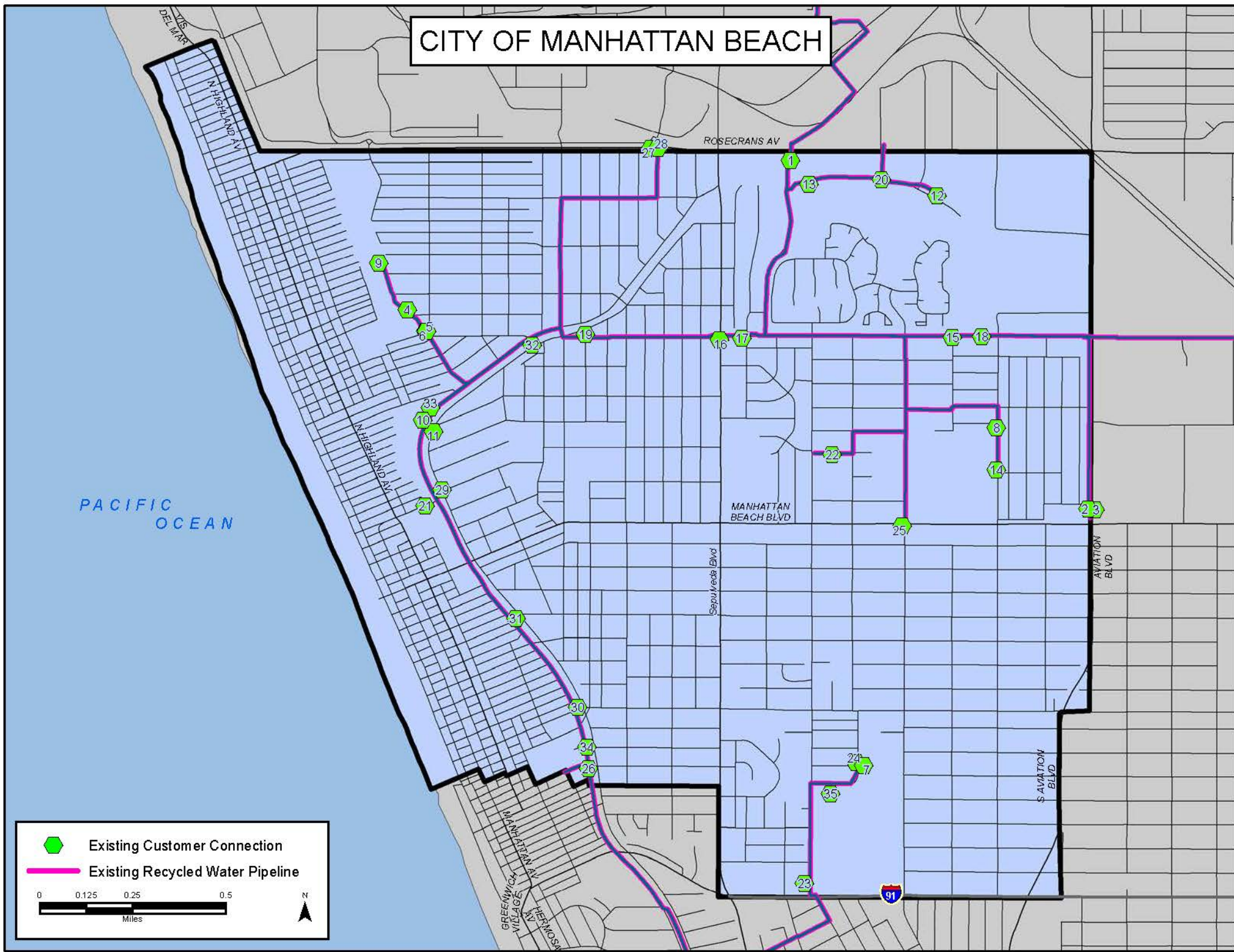
Recycled Water Use

City of Manhattan Beach		Total Use FY 2012-13
1	1230 Rosecrans	2.69
2	1508 Aviation	0.23
3	2202 Aviation	0.19
4	2511 Bell Ave., (Grand View/Ladera)	7.49
5	2632 Bell Ave. E., (Grand View/Ladera)	6.07
6	2632 Bell Ave. W., (Grand View/Ladera)	2.64
7	325 S. Peck	5.55
8	Begg Elementary School	6.79
9	Bell Ave. S. of Park	9.92
10	Dorsey Field	6.95
11	Live Oak Park	2.02
12	Manhattan Studios	13.95
13	Manhattan Village Park	4.86
14	Mar Brad Middle School - La Marina Field	16.00
15	Marine & Herrin Median	1.22
16	Marine & Sepulveda Median	2.82
17	Marine Avenue Median	2.72
18	Marine Avenue Park	18.57
19	Marine Triangle Median	0.73
20	Marriott Golf	67.09
21	MB Fire & Police Landscape	3.53
22	Meadows Elementary School	76.61
23	Mira Costa High School	30.58
24	Pennekamp Elementary School	13.31
25	Polliwog Park	34.06
26	Robinson Elementary School	6.22
27	Rosecrans Medians @ Pine	0.76
28	Sports Park	13.18
29	Valley/Ardmore Greenbelt @ 15th St.	1.46
30	Valley/Ardmore Greenbelt @ 2nd	8.82
31	Valley/Ardmore Greenbelt @ 8th St.	3.62
32	Valley/Ardmore Greenbelt @ Ardmore	9.82
33	Valley/Ardmore Greenbelt @ M.B.B.S.E.	4.45
34	Valley/Ardmore Greenbelt @ S. of Homer	-
35	Voorhees Sump	0.07
Total		384.99

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



CITY OF MANHATTAN BEACH

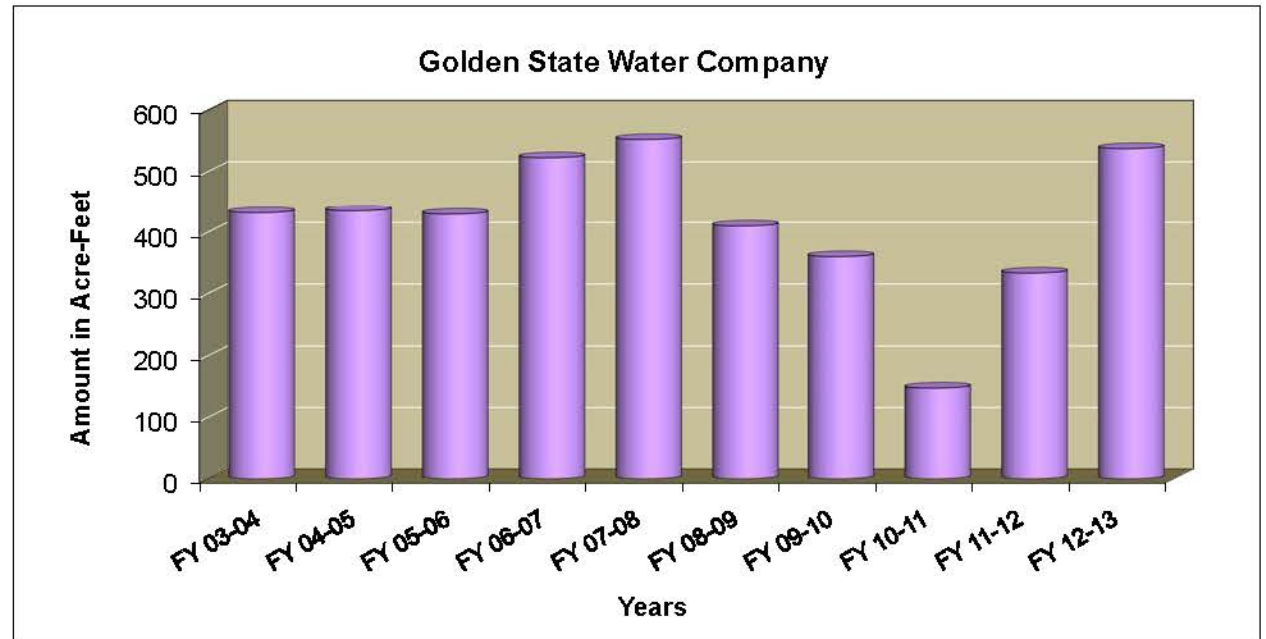


Recycled Water Use

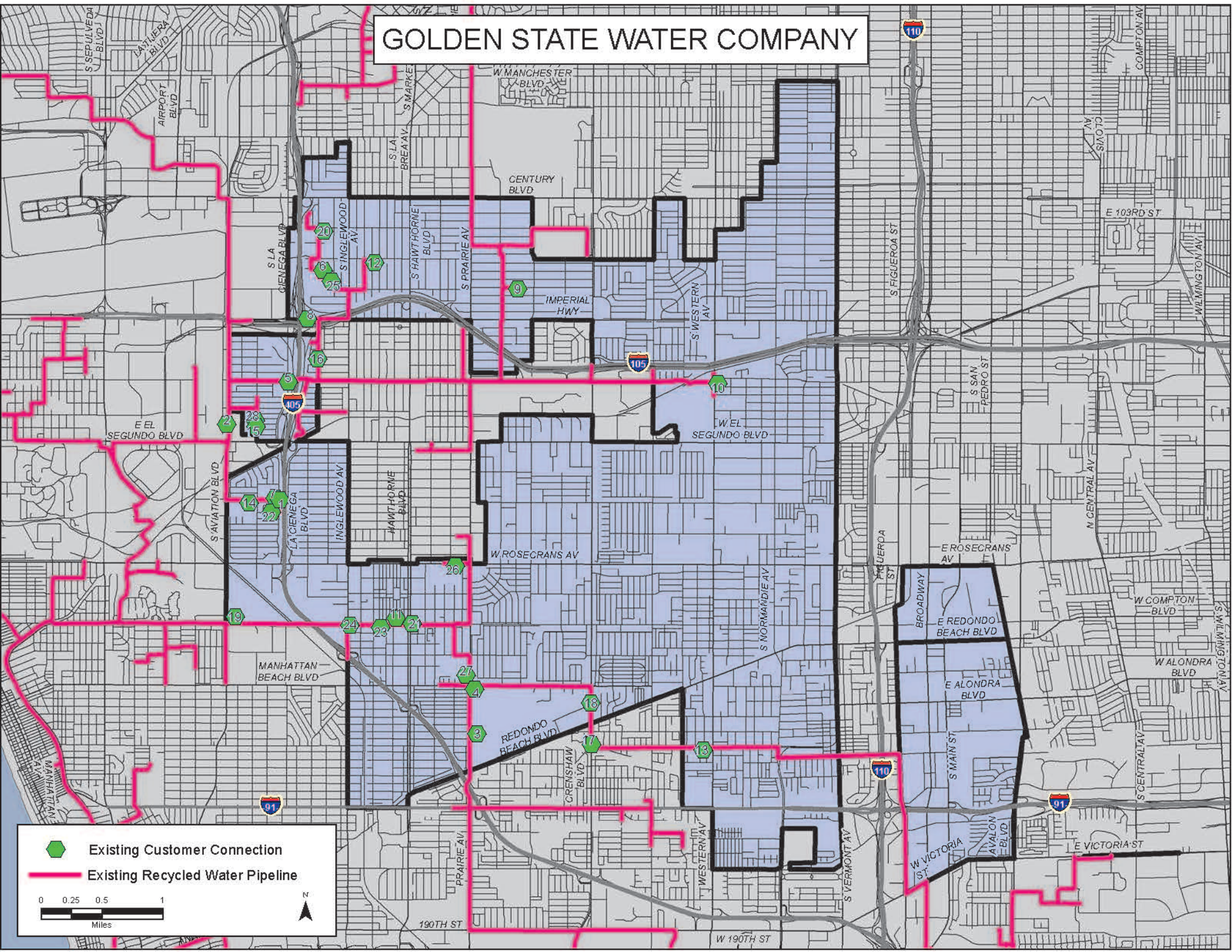
Golden State Water Company		Total Use FY 2012-13
1	13500 Glasgow	17.15
2	Aerospace Corp.	7.91
3	Alondra Golf Course	-
4	Alondra Park (West)	27.36
5	Anza Elementary School	10.52
6	Buford Elementary School	6.43
7	Cabrillo Elementary School	8.18
8	Caltrans*	8.24
9	Center Park	7.11
10	Chester Washington Golf Course	302.80
11	City of Lawndale	0.04
12	Condon Park (Lennox Park)	9.24
13	Crenshaw Lumber	0.38
14	Dana-Burnett Elementary School	12.89
15	Del Air Park	11.91
16	Del Aire Assembly of God	1.69
17	Del Taco DT895	0.68
18	El Camino College	28.11
19	Federal Building - Hawthorne	11.19
20	Felton Elementary School	-
21	Hawthorne Blvd/Marine	19.24
22	Holly Glen Park	2.03
23	Jane Addams Park	4.05
24	Lawndale Union High School District Office	18.25
25	Lennox Middle School	16.41
26	Leuzinger High School	1.03
27	Rogers Anderson Park	1.65
28	Sepulveda Elementary School	3.48
Total		537.97

*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



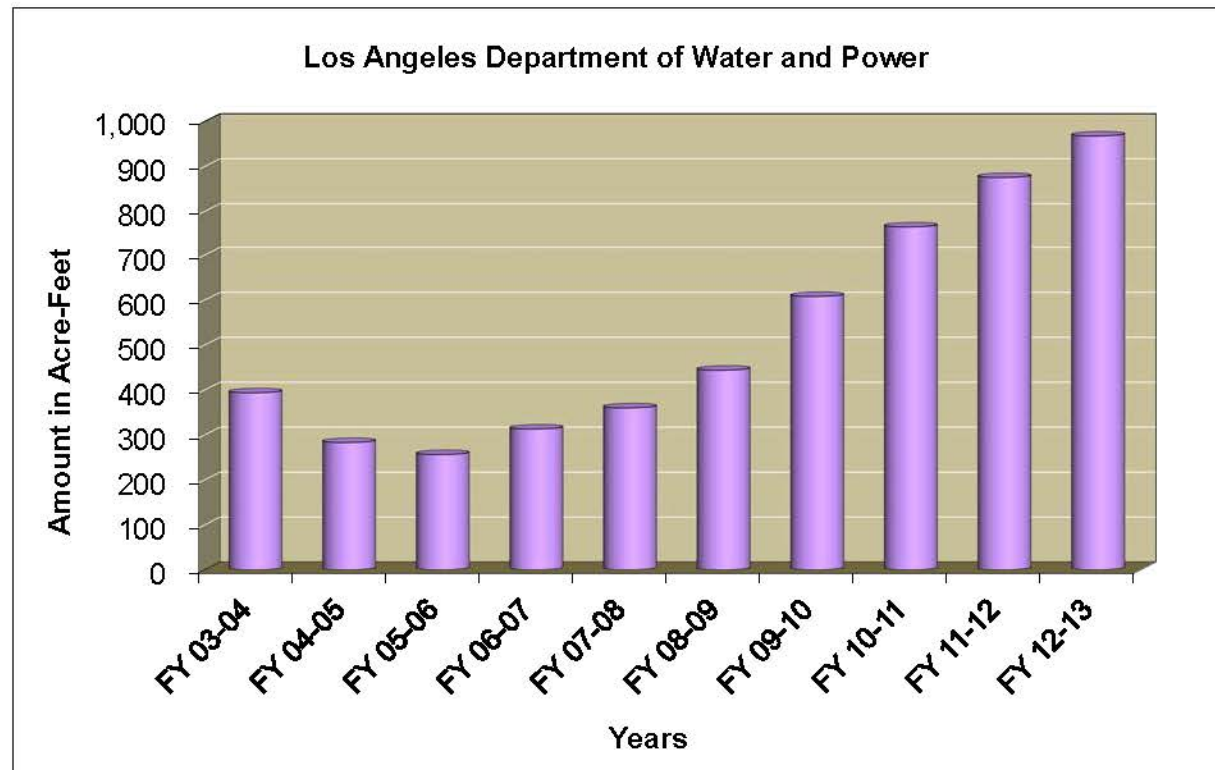
Recycled Water Use

Los Angeles Department of Water and Power		Total Use FY 2012-13
1	11310 Aviation Blvd.	5.87
2	7055 Imperial Hwy - a	29.38
3	7055 Imperial Hwy - b	31.76
4	Avalon Maintenance	0.72
5	Bridgeway Mills HOA-1	1.39
6	Bridgeway Mills HOA-2	2.47
7	Bridgeway Mills HOA-3	0.93
8	CAL TRANS*	0.11
9	Campus at Playa*	-
10	Campus at Playa -A	4.18
11	Campus at Playa -B	5.89
12	Campus at Playa Parcel 8	-
13	Campus at Playa Vista	10.92
14	Capri Court HOA	0.68
15	Capri Court II Corp.	1.29
16	Carabella Community	4.88
17	Carl Neilson Youth Park	16.10
18	Catalina Maintenance Corp.	1.92
19	Chatelaine	0.80
20	Coldwell Banker	1.07
21	Coronado Maintenance Corp.	1.37
22	Crescent Park	0.61
23	Crescent Park East	1.68
24	Crescent Park West	2.87
25	Crescent Walk at Playa	0.94
26	Dreamworks Interactive -1	2.77
27	Dreamworks Interactive -2	1.53
28	Dreamworks Interactive -3	5.93
29	Esplanade Assoc.	2.13
30	Essex Property Trust-1	-
31	Essex Property Trust-2	8.49
32	Finvest Playa -1	5.33
33	Finvest Playa -2	1.07
34	Horizon PH I Office Holdings	18.76
35	Hyperion Treatment Plant	38.11
36	JLH Realty Constr-1	1.13
37	JLH Realty Constr-2	1.64
38	LA City Bureau Pub Bldgs -1	-
39	LA City Bureau Pub Bldgs -1a	0.30
40	LA City Bureau Pub Bldgs -2	0.65
41	LAX **	155.74
42	Lincoln ASB - Playa Vista - a	3.53
43	Lincoln ASB - Playa Vista - b	3.64
44	Lincoln ASB - Playa Vista Phase I	-
45	Loyola Marymount University	125.05
46	Loyola Marymount University - 2	32.22
47	Maintenance-6758 Manchester	-
48	Maintenance-6930 Manchester	-
49	Maintenance-7050 Manchester	0.71
50	Maintenance-7102 Manchester	-
51	Metro Condo Assoc.	1.88
52	Off-Crescent	1.55
53	Paraiso	1.16
54	PH & L Community-1	0.75
55	PH & L Community-2	1.19
56	Playa Capital Co.**	18.60
57	Playa Phase 1	5.50
58	Playa Vista Parks**	76.50
59	Promenade at Playa	1.38
60	PV Campus Parcel 3	0.24
61	PV Campus Parcel 3 LP	8.34
62	PV Campus Parcel 3 LP-a	1.01
63	PV Campus Parcel 3 LP-b	1.02
64	Runway Lofts Venture LLC	1.62
65	Scattergood -11000 Vista	2.63
66	Scattergood- 7501 Grand	4.56
67	Scattergood- 7515 Grand	0.76
68	Serenade Community Assoc.	2.90
69	Sunrise Playa Vista Senior	1.51
70	Tapestry Maint.	1.08
71	Tapestry Maint - 2	2.54
72	Tempo Comm. Ctr.	1.46
73	The Lee Group	0.81
74	The Parking Spot	0.70
75	The Ratkovich Company*	0.17
76	Villa D'E ste Corp.	1.18
77	Villa Savona Maint. Corp.	0.90
78	Warrington PV	2.40
79	Waterstone Condo Assoc.	1.11
80	Westchester Golf Course	185.86
81	Westchester Park	43.06
82	William J. Hoffman-Receiver	1.55
Total		912.48

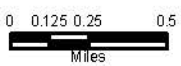
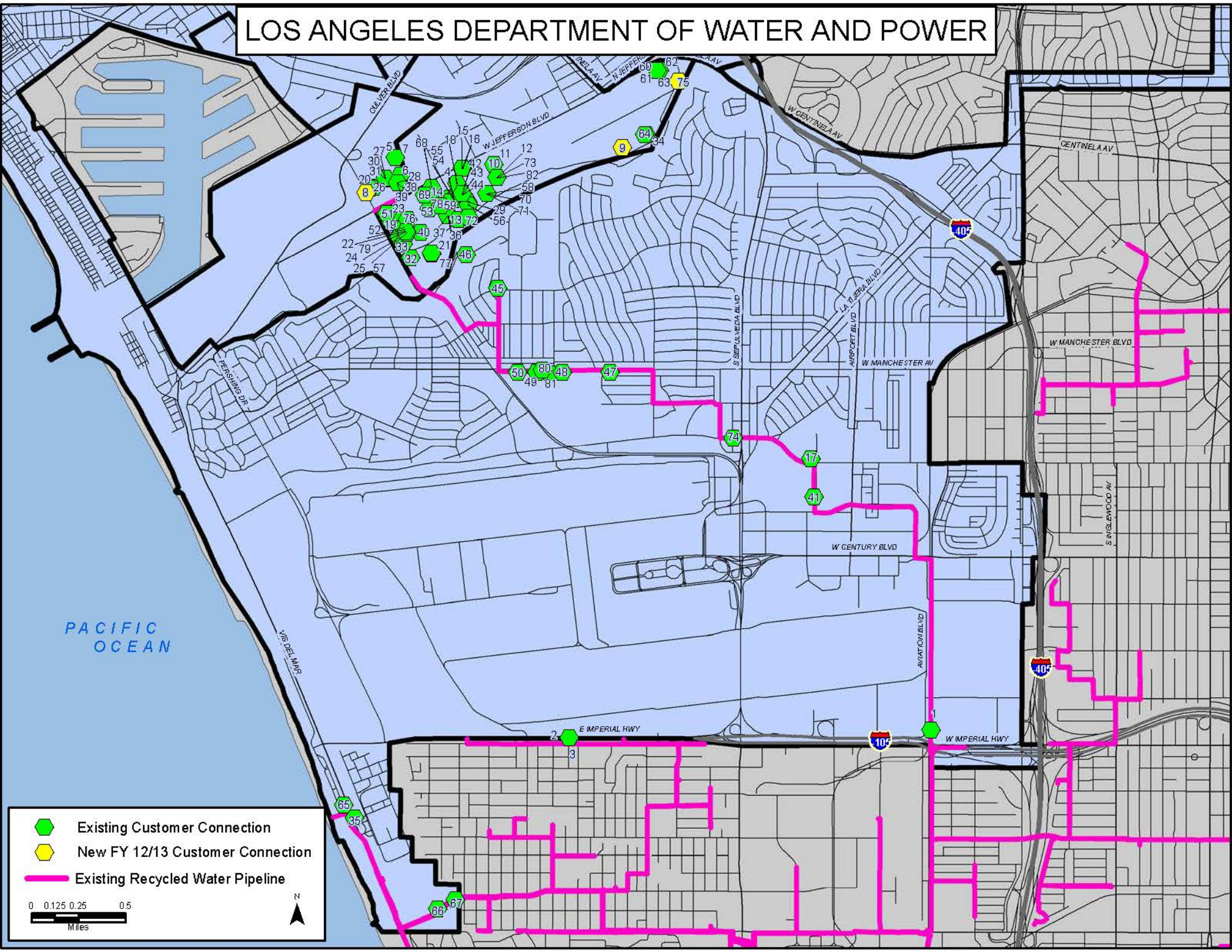
* This is a new customer connection.

**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.



LOS ANGELES DEPARTMENT OF WATER AND POWER

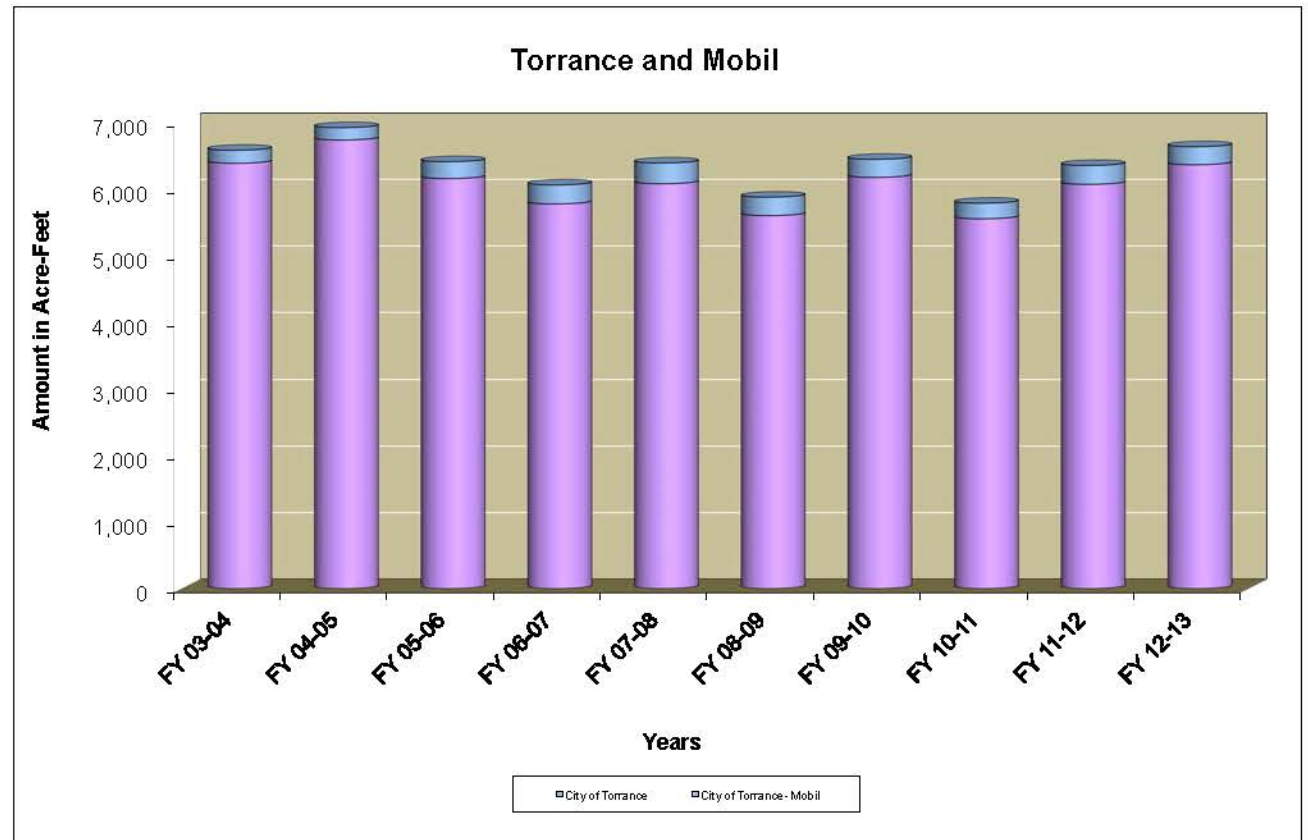


Recycled Water Use

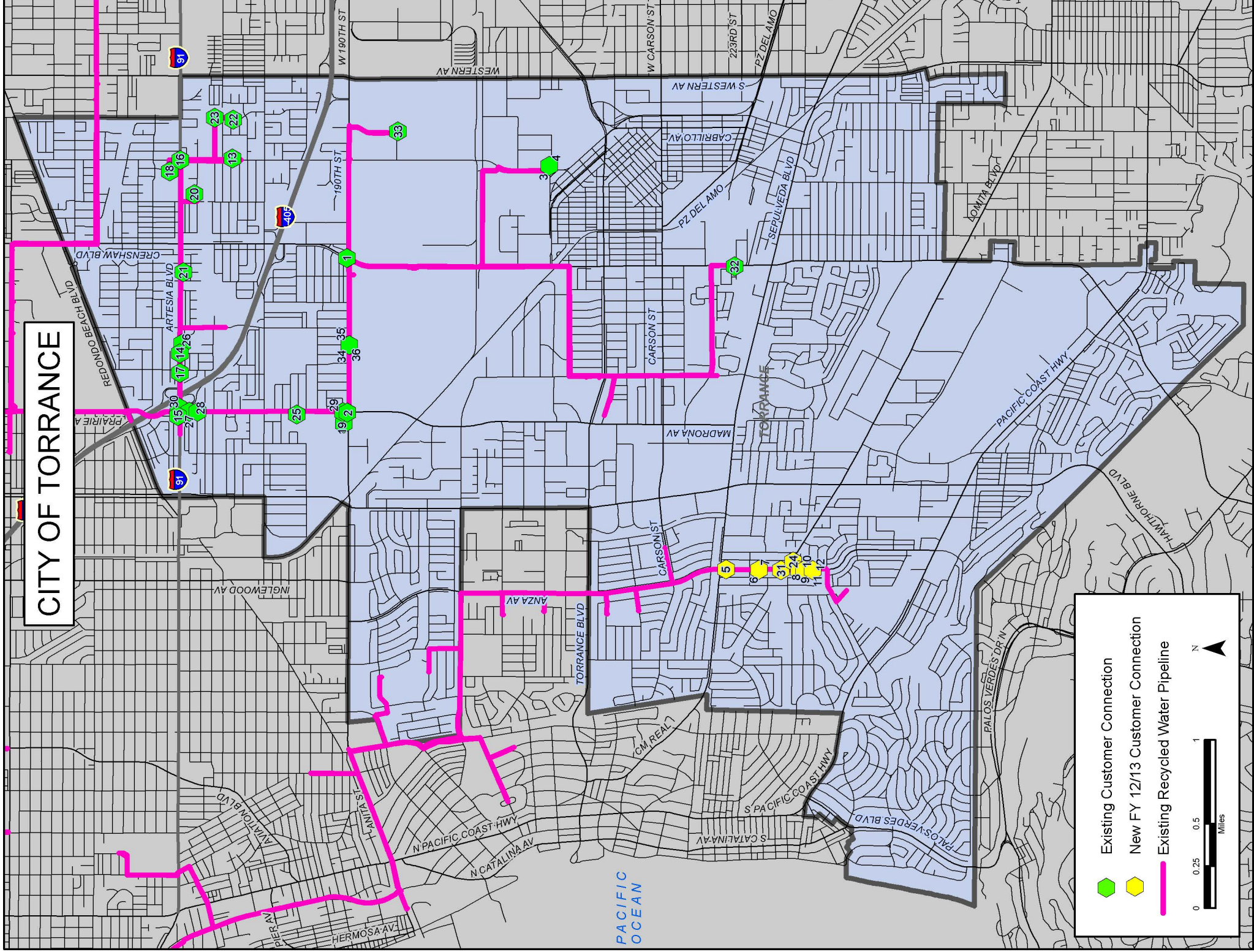
Torrance and Mobil		Total Use FY 2012-13
<u>City of Torrance</u>		
1	190th St, 3403 - Median	-
2	190th St, 3403-Median	0.03
3	American Honda-A	3.05
4	American Honda-B	1.96
5	Anza Medians #3*	-
6	Anza Medians #4*	0.10
7	Anza Medians #4a*	0.64
8	Anza Medians #5*	0.04
9	Anza Medians #6*	-
10	Anza Medians #6a*	-
11	Anza Medians #7*	-
12	Anza Medians #7a*	0.10
13	Arlington School	6.88
14	Artesia Blvd / Kornblum	1.10
15	Artesia Blvd / Prairie	1.23
16	Artesia Blvd / Van Ness	1.25
17	Artesia Blvd Median	2.12
18	Casimir School	9.28
19	Columbia Park	83.06
20	Descanso Park	6.03
21	Falda Ave	0.16
22	Guenser Park	55.36
23	Kobata Growers	6.29
24	La Paloma Park*	-
25	Magruder Middle School	10.10
26	McMaster Park	6.68
27	Prairie Ave. @ 175th Place	-
28	Prairie Ave. @ 175th Street	-
29	Prairie Ave. @ 190th Street	-
30	Prairie Ave. @ Artesia Blvd.	-
31	Seaside Heroes Park*	0.74
32	Torrance Business Center	8.94
33	Toyota Motor Sales	65.40
Total		270.54
<u>City of Torrance - Mobil</u>		
34	Mobil Boiler Feed	2,457.20
35	Mobil Cooling Towers	3,890.70
36	Mobil Irrigation	15.75
Total		6,363.65

* 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 TORRANCE



Existing Customer Connection

New FY 12/13 Customer Connection

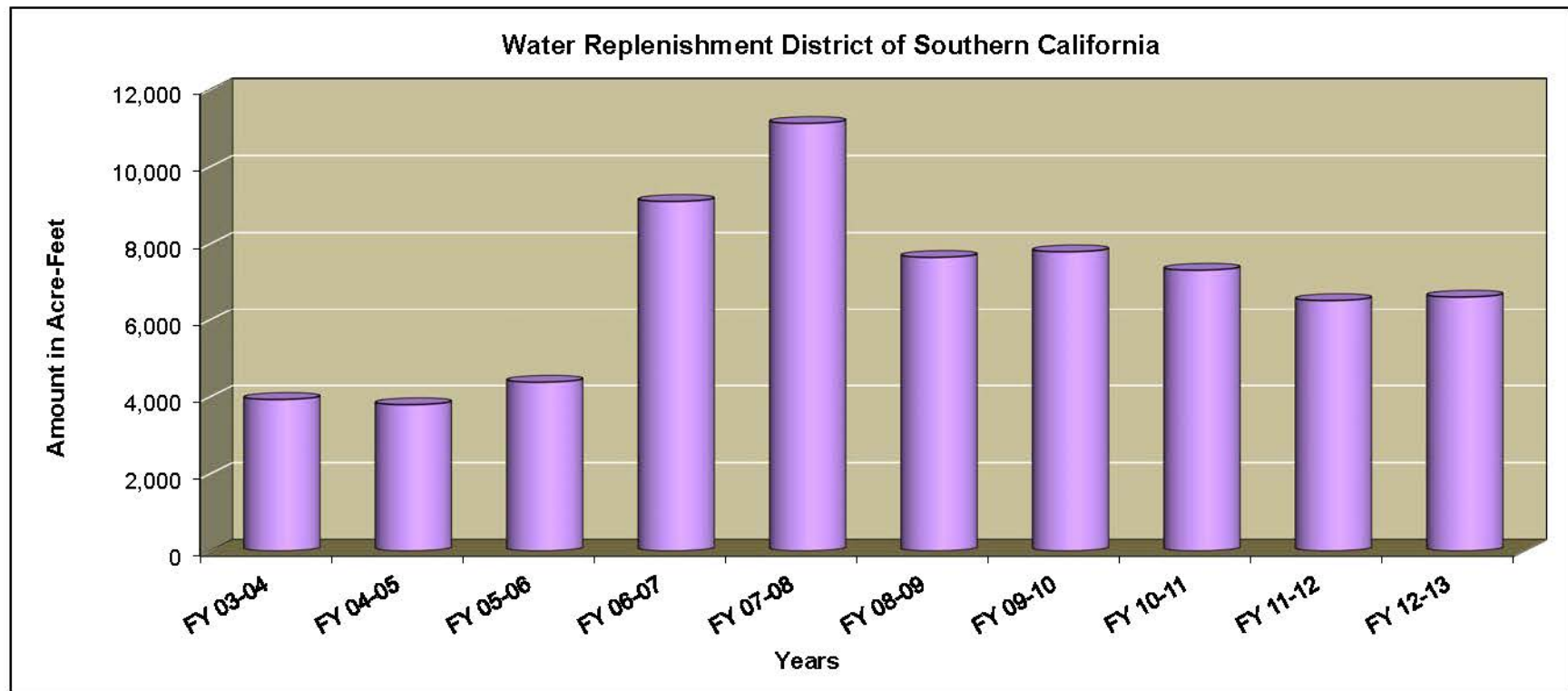
Existing Recycled Water Pipeline

0 0.25 0.5 1 Miles

N

Recycled Water Use

Water Replenishment District of Southern California	Total Use FY 2012-13
West Coast Barrier	6,622.10
Total	6,622.10



The background is a solid blue color with several thick, wavy, horizontal lines in a slightly lighter shade of blue, creating a layered, ocean-like effect.

RATES

West Basin Municipal Water District

FY 2013-14 WATER RATES AND CHARGES

Rates Effective January 1, 2014

Board Approved April 22, 2013

Rates Effective July 1, 2013 to December 31, 2013				
	MWD Commodity	MWD RTS	Reliability Svc Charge	Total
Non-Interruptible&Barrier (Tier1)	\$847/AF	\$135/AF	\$124/AF	\$1,106/AF
Non-Interruptible&Barrier (Tier2)	\$997/AF	\$135/AF	\$124/AF	\$1,256/AF

Rates Effective January 1, 2014				
	MWD Commodity	MWD RTS	Reliability Svc Charge	Total
Non-Interruptible&Barrier (Tier1)	\$890/AF	\$143/AF	\$124/AF	\$1,157/AF
Non-Interruptible&Barrier (Tier2)	\$1,032/AF	\$143/AF	\$124/AF	\$1,299/AF

MWD Non-Interruptible Commodity Rate		
	Effective Dates	
	1/1/13	1/1/14
Supply Rate Tier 1	\$140	\$148
Supply Rate Tier 2	\$290	\$290
System Access Rate	\$223	\$243
Water Stewardship Rate	\$41	\$41
Treatment Rate	\$254	\$297
Power Rate	\$189	\$161
Total Tier 1	\$847	\$890
Total Tier2	\$997	\$1,032

Capacity Charge

Designated Amount¹

Effective Jul 1 to Dec 31, 2013

\$5,500/cfs

Effective Jan 1, 2014

\$6,600/cfs

(1) 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, 2013

WBMWD Water Service Charge

\$46/cfs²

(2) Per cfs as determined by agency's meter capacity

WBMWD Recycled Water Rates

Effective July 1, 2013

Volume (AF/Month)	WBMWD Service Area	West Coast Barrier (<4,500AF)	West Coast Barrier (4,500+AF)	Industrial R/O (WB Svc Area)	Nitrified (Ind R/O usage)	Industrial R/O Ultra (WB Svc Area)	Torrance/LADWP Service Areas
0-25	\$908/AF	\$1,051/AF	\$578/AF	\$1,136/AF	\$888/AF	\$1,492/AF	\$950/AF
25-50	\$898/AF	\$1,051/AF	\$578/AF	\$1,136/AF	\$888/AF	\$1,492/AF	\$940/AF
50-100	\$888/AF	\$1,051/AF	\$578/AF	\$1,136/AF	\$888/AF	\$1,492/AF	\$930/AF
100-200	\$878/AF	\$1,051/AF	\$578/AF	\$1,136/AF	\$888/AF	\$1,492/AF	\$920/AF
200+	\$868/AF	\$1,051/AF	\$578/AF	\$1,136/AF	\$888/AF	\$1,492/AF	\$910/AF

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