



WEST BASIN MUNICIPAL WATER DISTRICT
WATER USE REPORT
FISCAL YEAR 2015-2016

PROVIDING A SAFE AND RELIABLE SUPPLY OF
HIGH-QUALITY WATER TO THE COMMUNITIES WE SERVE

WATER USE REPORT

Fiscal Year 2015-2016

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



FISCAL YEAR 2015-2016 ACCOMPLISHMENTS



FINANCE

- Received an Excellence in Financial Reporting Award for West Basin's Comprehensive Annual Financial Report (CAFR) for FY 2014-15 from the Government Finance Officers Association (GFOA);
- Received Excellence in Budget Recognition for the FY 2015-16 Operating Budget from GFOA and the California Society of Municipal Finance Officers (CSMFO);
- Conducted a Business Outreach event on September 2, 2015 at the Carson Community Center with over 100 guests and fifteen business partners; and
- Approved the annual rates in April 2016 and the annual budget in May 2016 that meets the Board's financial metrics of a 1.75 overall debt coverage, meets its Designated Funds Policy limits, and responsibly budgets for its sales assumption in response to the state-wide drought and drought rationing.

WATER RECYCLING OPERATIONS

- Completed 115 customer site inspections;
- Made operational and infrastructure improvements to achieve 100 percent recycled water to the Barrier;
- Completed a cathodic protection survey of all the test stations covering the recycled water distribution system;
- Repaired a twelve inch disinfected tertiary lateral irrigation line in the city of Manhattan Beach;
- Repaired the brine line in the city of Carson that delivers brine from the JMMCRWRF to the Los Angeles County Joint Water Pollution Control Plant; and
- Developed an Operations and Maintenance Manual for the recycled water distribution system.

CAPITAL IMPROVEMENT PROGRAM

- Completed design of the Hyperion Effluent Pump Station Expansion and Secondary Electrical Feed Project;
- Completed the Subsurface Intake Study to determine the technical feasibility of using subsurface seawater intakes as part of West Basin's Ocean Water Desalination Program as part of USBR's Water Purification and Desalination Grant Program;
- Completed the Ocean Water Desalination Intake Biofouling and Corrosion Study as part of MWD's Foundational Action Program;
- Completed the design of the Carson Mall Lateral Phase II project to deliver recycled water into new areas within the City of Carson;
- Completed the design of the Reverse Osmosis (RO) Clean-in-Place Waste Discharge project to allow RO cleaning chemicals to be discharged to the sewer rather than being combined with RO brine and discharged to Hyperion Treatment Plant's ocean outfall;
- Completed the rehabilitation and refurbishment of the Biofor treatment processes utilized to produce nitrified tertiary effluent for refinery customer cooling tower applications;
- Began construction of the South Gardena Lateral "Recycled Water Pipeline";
- Completed an upgrade to the security systems at ECLWRF, Hyperion Pump Station, and three satellite facilities;
- Completed several replacement and refurbishment projects including: replacement of a second hypochlorite tank and completion of an upgrade to the lime storage silos, both of which occurred at the ECLWRF;
- Received grant funding from California's voter approved Proposition 84 bond measure for an extension of the recycled water distribution system; and
- Began construction for the disinfected tertiary recycled water Alkalinity Improvement. This project addressed the need for nitrified water upgrades to improve the water quality and enhance production capacity.

PUBLIC INFORMATION

- Produced the 16th annual Water Harvest Festival, including a Water Reliability Awards breakfast; Festival attendance reached approximately 1,600 community members, in which West Basin led tours for nearly 400 attendees;
- Successfully partnered in Metropolitan Water District's education programs; sponsored three high school Solar Cup teams and engaged over 400 students in the Water is Life art contest;
- Served more than 8,000 students in grades 3 – 12 with free water education programs;
- Expanded social media presence by increasing the frequency, quantity, and quality of posts and community engagement;
- Offered free, public water education programs: Water 101 Classes, public tours of the ECLWRF, and a speakers bureau; and
- Sustained Water Reliability Program outreach to more than 10,000 community supporters in total, including new business and city officials, as well as individuals; increased focus on the exploration of ocean water desalination to diversify water portfolio.

WATER POLICY AND RESOURCE DEVELOPMENT

- Completed the 2015 Urban Water Management Plan for compliance with the California Urban Water Management Planning Act of 1983;
- Increased state and federal advocacy efforts related to securing project and program funding for the service area through support of Proposition 1 (2014 Water Bond) and the federal Water Resources Development Act; and
- Educated local, state, and federal elected officials on matters related to local water supply needs, and on the Water Reliability program to develop new, reliable local water supplies.

CONSERVATION

- Successfully completed five Rain Barrel Distribution Events and distributed 2,000 rain barrels;
- Provided residents and large landscape facilities with landscape surveys and high-efficiency sprinkler nozzles;
- Conducted four California Friendly Landscape Training Classes with approximately 120 participants attending;
- Implemented a Greywater Workshop for residents to learn how to create a simple Laundry-to-Landscape system that recycles washer machine water for on-site irrigation;
- Conducted two Smart Sprinkler Exchange Events and distributed 60 smart sprinkler controllers;
- Began a new Extraordinary Water Conservation Award Program to recognize individuals and organizations that go the extra mile to conserve water; and
- Launched a new water conservation microsite, <https://conservation.westbasin.org/>, to better assist the public with finding water conservation rebates and water-wise gardening information.

WATER QUALITY MONITORING PROGRAM

- Conducted two different purveyor workshops to help coordinate between water companies on important water quality and compliance issues;
- Completed annual customer water quality reports for two participating retailers; and
- 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.



FISCAL YEAR 2016-2017 STRATEGIES



FINANCE

- Complete a water rate restructuring study to evaluate and recommend changes, if any, to the current rate methodology for imported water, and other charges;
- Update Long-Range Financial Model to project revenue needs, capital funding and appropriate rates and charges;
- Evaluate the current grant management practices and recommend solutions to evaluate, track, and report information to the grantor; and
- Continue to improve the setup and efficiencies with financial management software.

WATER RECYCLING OPERATIONS

- Complete customer site inspections for 100% of the "high-public contact" sites (i.e. schools, parks, businesses) with existing potable connections;
- Update the current CMMS software to make it more user-friendly and improve data reliability;
- Continue to develop and 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;
- Evaluate existing processes to improve operations; and
- Continue to support existing customer water quality inquiries.

CAPITAL IMPROVEMENT PROGRAM

- Increase the microfiltration capacity through expansion of existing systems in order to increase reliability to refinery customers and to produce more water for injection into the seawater intrusion barrier;
- Complete the 100% design of the Tesoro Refinery Expansion to provide approximately 2.6 million gallons per day (MGD) of increased capacity;
- Manage construction for the Hyperion Effluent Pump Station Expansion and Secondary Electrical Feed Project;
- Complete construction of the disinfected tertiary recycled water Alkalinity Process;
- Finalize the construction of the South Gardena Lateral to serve four new local customers with approximately 120 acre-feet of recycled water;
- Complete the design effort for the Edward C. Little Water Recycling Facility Visitor Center Renovation to expand the visitor center space, renovate interior of the existing office spaces, relocate the control room, update interpretive messages and renovate exhibits;
- Continue to investigate the technical feasibility and cost/benefit analysis of expanding the recycled water distribution system into the Palos Verdes Peninsula cities and to Kenneth Hahn Park in Baldwin Hills;
- Complete pilot testing with a Custom Engineered Microfiltration Pilot Unit that will allow West Basin to determine design conditions for full-scale, non-proprietary microfiltration or ultrafiltration systems;
- Begin construction of the Reverse Osmosis (RO) Clean-in-Place Waste Discharge project; and
- Complete EIR for planned future Full-Scale Ocean Water Desalination Program implementation. The EIR will assess all environmental related impacts associated with implementing Full-Scale Ocean Water Desalination treatment facilities, intake and discharge systems, and full conveyance and pumping systems.

PUBLIC INFORMATION

- Host the 17th annual Water Harvest festival to reach the community and continue educational and value focus;
- Update exhibits and educational facilities at the ECLWRF;
- Support the Office of the General Manager in stakeholder engagement and execution of a Recycled Water Working Group to further the discussion of water reliability issues;
- Outreach to key stakeholders to build support throughout the service area and regionally for the Ocean Water Desalination Program, a component of the Water Reliability Program;
- Develop new and/or improved communication vehicles to showcase West Basin's brand and value; focus on the redesign and development of the organization's website; and
- Increase the amount of positive media coverage and social media presence by providing information and content focused on current issues facing the water industry and West Basin.

CONSERVATION

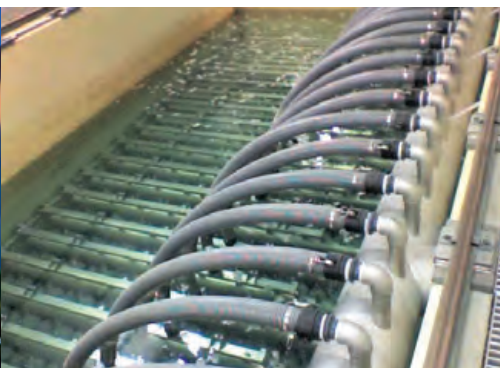
- Build the remaining four Ocean Friendly Demonstration Gardens throughout the service area for a total of 16 gardens;
- Update the Water Use Efficiency Master Plan for the next five years, 2016 – 2021;
- Launch the new "Comprehensive Water Conservation Program" in the City of Malibu and in Topanga;
- Continue to provide the public with water conservation and educational programs and promote West Basin's new water conservation microsite;
- Continue to partner with environmental agencies and retail agencies in distributing rain barrels and providing greywater workshops; and
- Continue to gain environmental and community support in the development and implementation of its water efficiency programs.

WATER POLICY AND RESOURCE DEVELOPMENT

- Pursue changes to West Basin's water rate structure that increase fixed cost recovery in a manner that is acceptable to customer agencies and enhances West Basin's ability to more aggressively pursue conservation;
- Continue 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 2014;
- Develop a long-term maintenance plan for the 16 constructed demonstration gardens at city and school facilities as well as the 2 demonstration gardens at District Facilities;
- Continue leadership role in the Greater Los Angeles County Integrated Regional Water Management Program, including administration, on behalf of the Region, of its financial resources;
- Continue to play a leading role in the development of policy and legislative matters; as well as the advocacy activities for CalDesal and WaterReuse; and
- Pursue policies and actions on behalf of West Basin's service area that mitigate the impacts of the current drought and increase resiliency against future droughts.

WATER QUALITY MONITORING PROGRAM

- Solicit RFB for new lab contract to achieve effective cost savings;
- Complete annual customer water quality reports for two participating retailers;
- Continue to assist retail purveyors in meeting their water quality reporting requirements including water quality workshops; and
- Provide estimate for lab costs and annual assessment to each participating purveyor.



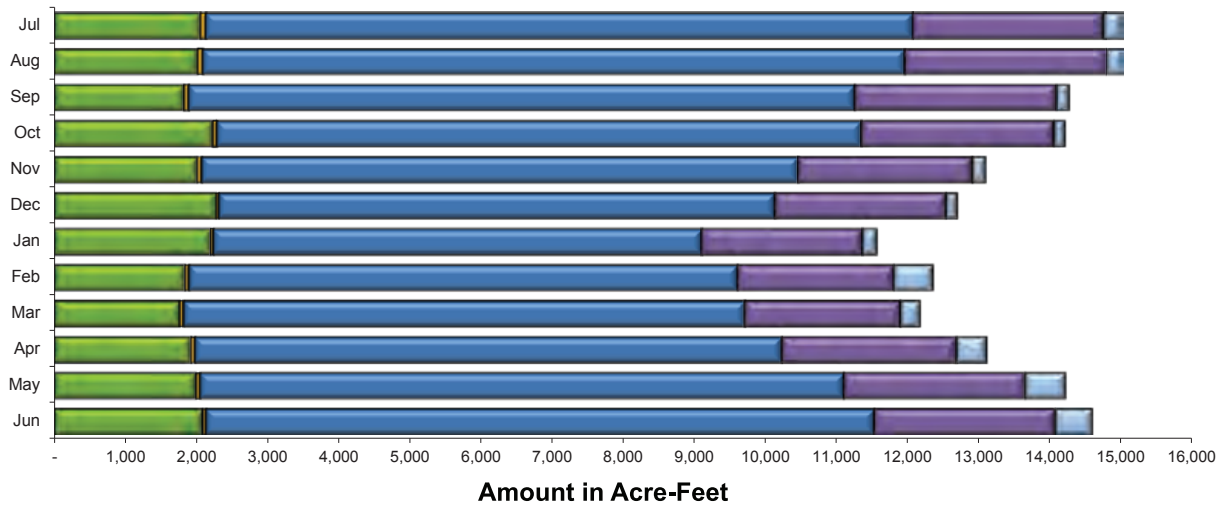


TOTAL WATER USE

West Basin Municipal Water District

17140 S. Avalon Blvd., Carson CA 90746

FY 2015-16 Total Water Use



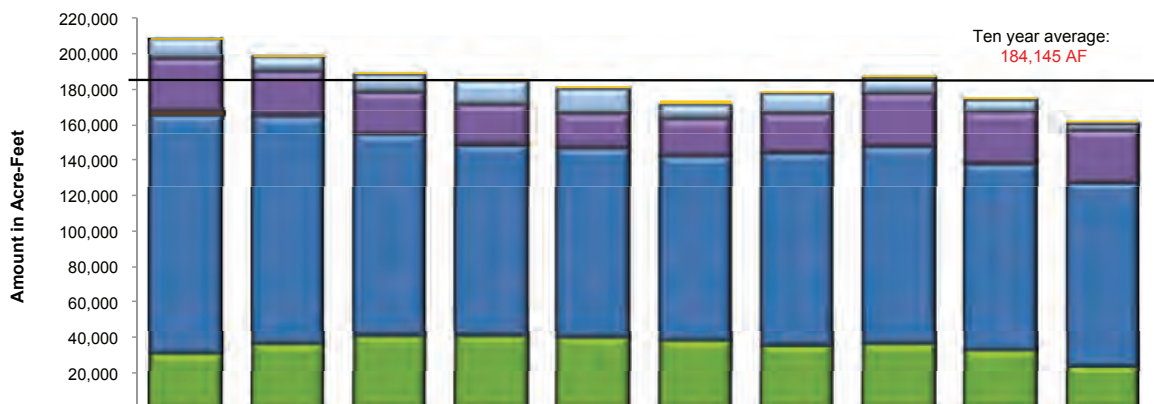
West Basin MWD	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater*	2,046	2,004	1,814	2,216	1,996	2,257	2,189	1,828	1,757	1,910	1,982	2,074	24,072
Desalter	81	81	72	67	73	52	44	64	58	64	67	57	779
Imported	9,941	9,872	9,369	9,063	8,388	7,824	6,870	7,715	7,894	8,253	9,054	9,395	103,638
Recycled Water**	2,679	2,832	2,835	2,709	2,451	2,406	2,265	2,200	2,189	2,459	2,546	2,546	30,116
Seawater Barrier***	261	229	168	152	188	156	202	550	276	420	564	516	3,681
Total	15,006	15,018	14,258	14,206	13,096	12,695	11,570	12,357	12,175	13,106	14,212	14,588	162,286

*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.

10-Year Average Total Water Use



Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater*	31,619	37,116	40,728	40,691	40,283	38,568	36,174	36,825	32,994	24,072	35,907
Imported	134,244	127,925	114,293	108,261	107,151	104,851	108,550	111,629	105,569	103,638	112,611
Recycled Water**	29,250	25,459	23,588	23,331	19,579	20,431	22,135	29,224	29,110	30,116	25,222
Seasonal Long Term	1,982	-	-	-	-	-	-	-	-	-	220
Seawater Barrier***	11,162	7,609	9,774	13,054	13,534	8,504	11,320	9,285	7,354	3,681	9,528
Desalter	89	467	682	372	882	958	825	817	690	779	656
Total	208,345	198,577	189,065	185,709	181,428	173,313	179,004	187,780	175,717	162,286	184,145

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

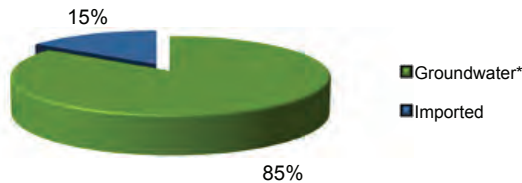
**Source: WBMWD Database (excludes City of Torrance, Torrance - Mobil Recycled Water, and LADWP).

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

California American Water Company

8657 Grand Ave., Rosemead, CA 91770

FY 2015-16 Total Water Use



Adjudicated Water Rights
2,067 AF

Imported Connections
WB-22 WB-27

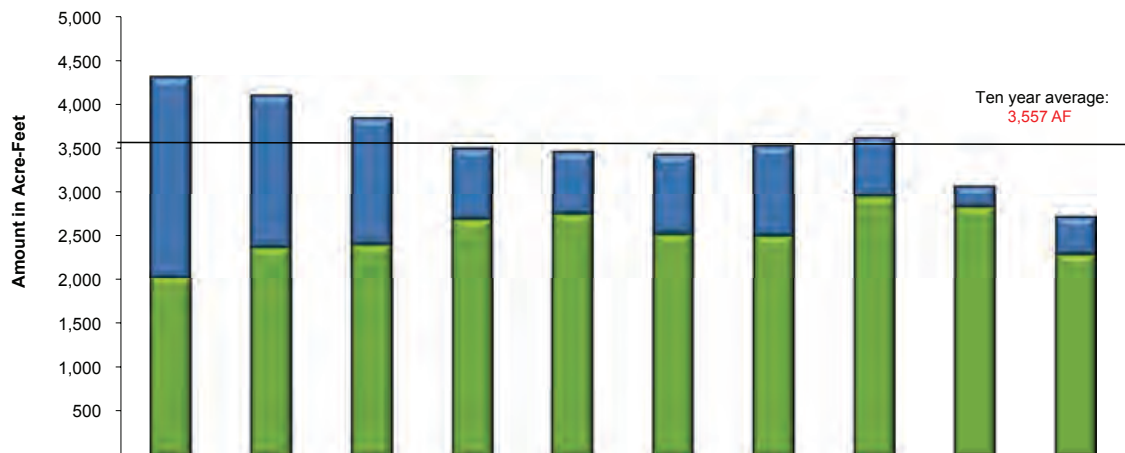
2016 Capacity Reservation Charge (cfs)
2013 = 2.5 2014 = 3.7 (CRC) 2015 = 2.8

Note: The 2016 CRC is the highest daily average flow for the past three years

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater*	231	182	157	234	198	240	173	149	142	125	175	295	2,300
Imported	40	64	81	1	-	9	0	41	69	69	37	4	415
Recycled	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	271	246	238	235	198	249	174	190	210	193	212	299	2,715

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

10-Year Average Total Water Use



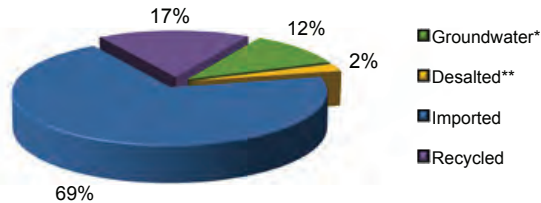
Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater*	2,037	2,378	2,406	2,692	2,750	2,527	2,506	2,953	2,830	2,300	2,538
Imported	2,272	1,725	1,436	809	712	902	1,019	667	238	415	1,019
Recycled	-	-	-	-	-	-	-	-	-	-	-
Total	4,309	4,103	3,842	3,501	3,462	3,428	3,525	3,619	3,068	2,715	3,557

Contact: Mr. Garry Hofer, Operations Manager
Office: (626) 614-2511

California Water Service Company – Dominguez

2632 West 237th Street, Torrance, CA 90505-5272

FY 2015-16 Total Water Use



Adjudicated Water Rights
10,417 AF

Imported Connections

WB-09 WB-10 WB-14 WB-19
WB-21 WB-35 WB-36 WB-39

2016 Capacity Reservation Charge (cfs)

2013 = 56.4 (CRC) 2014 = 51.1 2015 = 46.5

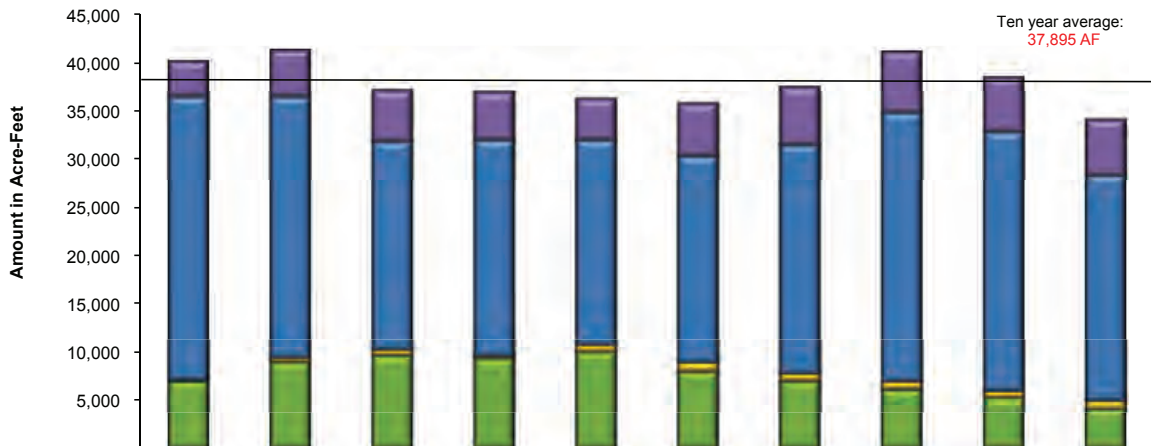
Note: The 2016 CRC is the highest daily average flow for the past three years

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater*	391	369	340	383	353	404	371	303	237	294	356	358	4,158
Desalted**	81	81	72	67	73	52	44	64	58	64	67	57	779
Imported	2,364	2,012	2,152	1,963	1,820	1,728	1,651	1,830	1,896	1,987	2,025	2,062	23,489
Recycled	271	346	636	629	539	452	387	434	445	522	587	554	5,803
Total	3,106	2,808	3,200	3,041	2,786	2,636	2,453	2,631	2,635	2,867	3,035	3,032	34,230

*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.

10-Year Average Total Water Use



Water Supply*	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater*	7,070	8,962	9,666	9,298	9,885	7,959	7,050	6,183	5,379	4,158	7,561
Desalted	89	467	682	372	882	958	825	817	691	779	656
Imported	29,372	27,095	21,483	22,310	21,226	21,425	23,730	27,871	26,735	23,489	24,473
Recycled	3,610	4,690	5,293	4,959	4,392	5,538	5,841	6,245	5,669	5,803	5,204
Total	40,140	41,215	37,124	36,938	36,385	35,880	37,446	41,115	38,474	34,230	37,895

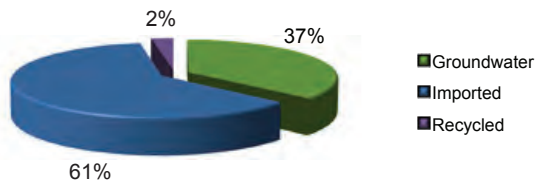
*Cal Water Dominguez has groundwater rights within the West Coast Basin and Central Basin. The number shown is the amount pumped from both West Coast Basin and Central Basin.

Contact: Mr. Dan Trejo, Interim District Manager
Office: (310) 257-1425 **Fax:** (310) 326-6327

California Water Service Company – Hawthorne

2632 West 237th Street, Torrance, CA 90505-5272

FY 2015-16 Total Water Use



Adjudicated Water Rights
1,882 AF

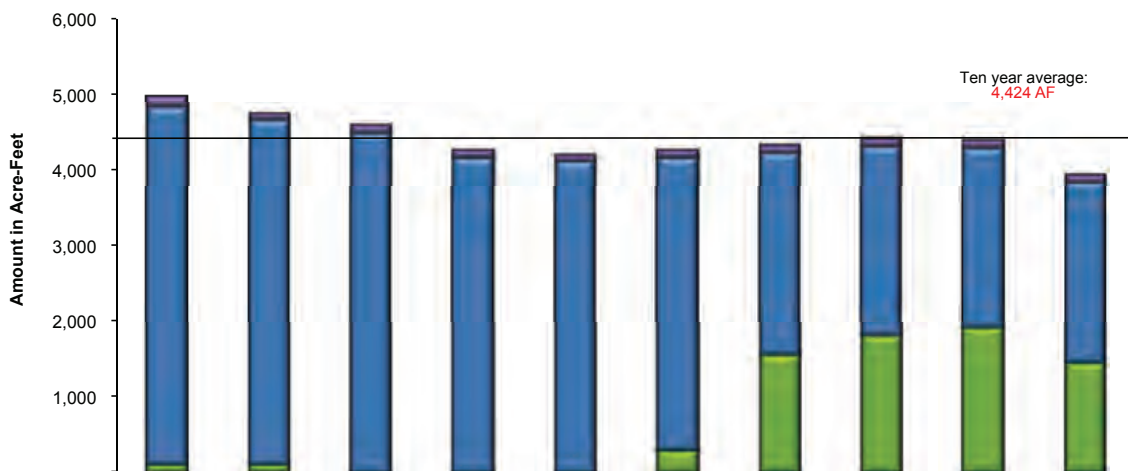
Imported Connections
WB-18 WB-20

2016 Capacity Reservation Charge (cfs)
2013 = 7.1 2014 = 7.5 (CRC) 2015 = 6.5

Note: The 2016 CRC is the highest daily average flow for the past three years

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	152	101	140	154	150	135	140	143	113	31	96	184	1,541
Imported	819	903	794	784	741	747	634	625	693	813	824	793	9,169
Recycled	16	18	20	14	12	14	8	5	10	8	14	19	156
Total	987	1,022	953	953	903	896	782	773	816	852	934	995	10,866

10-Year Average Total Water Use



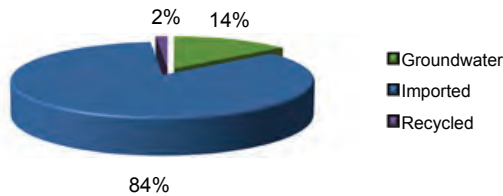
Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater	123	110	8	1	3	313	1,554	1,824	1,912	1,451	730
Imported	4,723	4,554	4,489	4,186	4,137	3,872	2,689	2,499	2,397	2,401	3,595
Recycled	118	85	99	90	79	91	108	118	98	104	99
Total	4,964	4,749	4,596	4,277	4,219	4,276	4,351	4,441	4,407	3,956	4,424

Contact: Mr. Dan Trejo, Interim District Manager
Office: (310) 257-1425 **Fax:** (310) 326-6327

California Water Service Company – Hermosa Redondo

2632 West 237th Street, Torrance, CA 90505-5272

FY 2015-16 Total Water Use



Adjudicated Water Rights

4,070 AF

Imported Connections

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

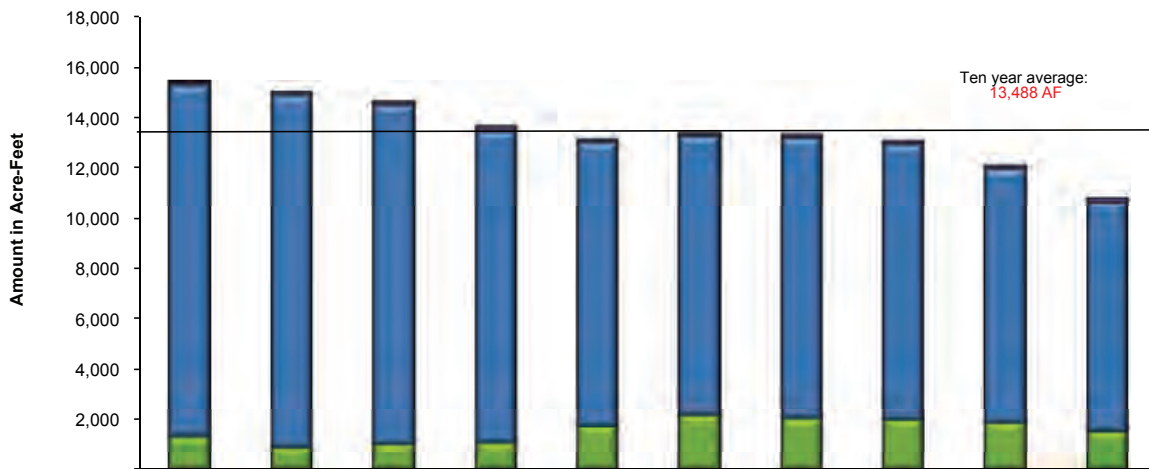
2016 Capacity Reservation Charge (cfs)

2013 = 21.1 (CRC) 2014 = 20.7 2015 = 18.6

Note: The 2016 CRC is the highest daily average flow for the past three years

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	152	101	140	154	150	135	140	143	113	31	96	184	1,541
Imported	819	903	794	784	741	747	634	625	693	813	824	793	9,169
Recycled	16	18	20	14	12	14	8	5	10	8	14	19	156
Total	987	1,022	953	953	903	896	782	773	816	852	934	995	10,866

10-Year Average Total Water Use



Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater	1,362	899	1,018	1,130	1,739	2,186	2,043	1,993	1,896	1,541	1,581
Imported	13,907	13,971	13,471	12,393	11,295	11,118	11,182	10,966	10,098	9,169	11,757
Recycled	141	145	163	150	133	137	162	167	147	156	150
Total	15,410	15,014	14,652	13,673	13,166	13,441	13,388	13,126	12,141	10,866	13,488

California Water Service Company – Palos Verdes

2632 West 237th Street, Torrance, CA 90505-5272

FY 2015-16 Total Water Use



100%

■ Imported

Adjudicated Water Rights
-- AF

Imported Connections

WB-6A WB-6B WB-32 WB-40

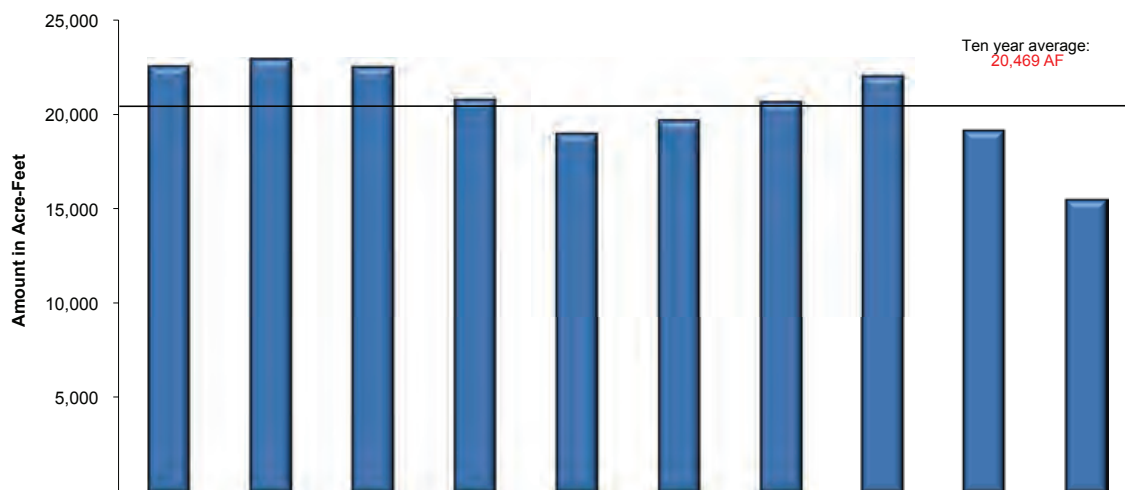
2016 Capacity Reservation Charge (cfs)

2013 = 44.6 (CRC) 2014 = 44.2 2015 = 33.9

Note: The 2016 CRC is the highest daily average flow for the past three years

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Imported	1,454	1,575	1,424	1,417	1,288	1,119	815	1,053	1,016	1,280	1,465	1,561	15,466
Recycled	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1,454	1,575	1,424	1,417	1,288	1,119	815	1,053	1,016	1,280	1,465	1,561	15,466

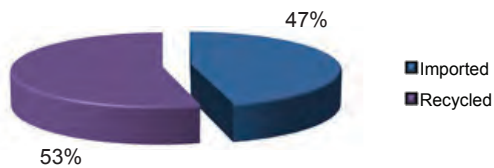
10-Year Average Total Water Use



Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater	-	-	-	-	-	-	-	-	-	-	-
Imported	22,538	22,911	22,485	20,765	18,984	19,755	20,647	21,996	19,138	15,466	20,469
Recycled	-	-	-	-	-	-	-	-	-	-	-
Total	22,538	22,911	22,485	20,765	18,984	19,755	20,647	21,996	19,138	15,466	20,469

Contact: Mr. Dan Trejo, Interim District Manager
Office: (310) 257-1425 **Fax:** (310) 326-6327

FY 2015-16 Total Water Use



Adjudicated Water Rights
953 AF

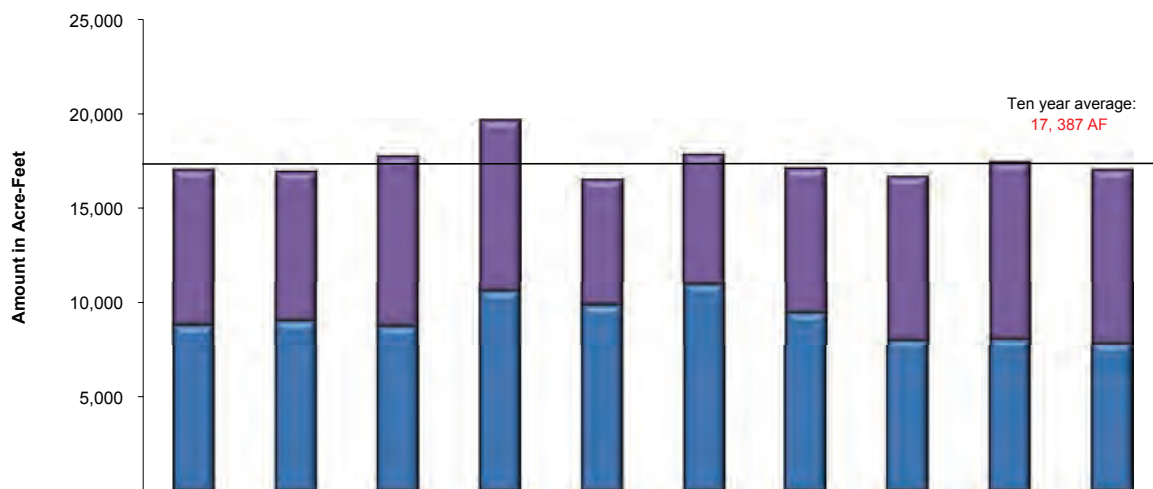
Imported Connections
WB-03 WB-28

2016 Capacity Reservation Charge (cfs)
2013 = 10.7 2014 = 20.5 2015 = 20.6 (CRC)

Note: The 2016 CRC is the highest daily average flow for the past three years

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Imported	740	799	828	762	605	611	572	571	567	540	616	645	7,854
Recycled	757	772	795	759	698	737	739	705	677	723	743	823	8,927
Total	1,497	1,571	1,623	1,521	1,303	1,348	1,311	1,275	1,244	1,262	1,359	1,468	16,781

10-Year Average Total Water Use

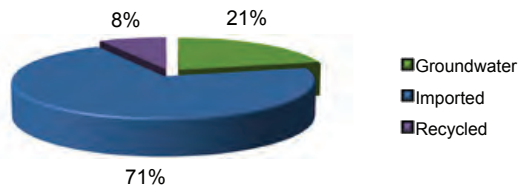


Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater	-	-	-	-	-	-	-	-	-	-	-
Imported	8,861	9,085	8,795	10,632	9,885	10,961	9,479	8,075	8,127	7,854	9,175
Recycled	8,201	7,865	8,978	9,035	6,638	6,888	7,677	8,616	9,289	8,927	8,211
Total	17,062	16,950	17,773	19,666	16,522	17,848	17,156	16,691	17,416	16,781	17,387

City of Inglewood

One Manchester Blvd., Inglewood, CA 90301

FY 2015-16 Total Water Use



Adjudicated Water Rights
4,450 AF

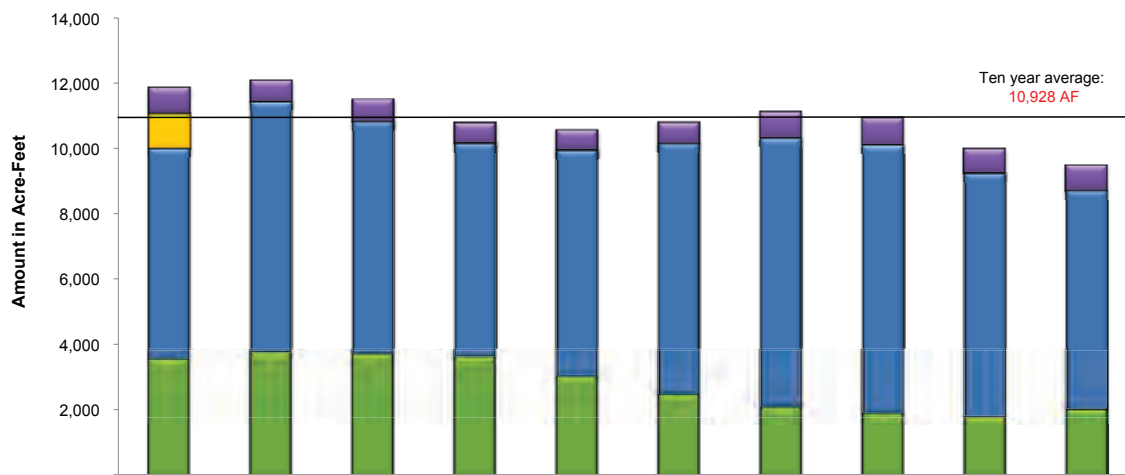
Imported Connections
WB-17 WB-38

2016 Capacity Reservation Charge (cfs)
2013 = 16.3 (CRC) 2014 = 15.0 2015 = 11.5

Note: The 2016 CRC is the highest daily average flow for the past three years

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	145	133	131	143	193	197	192	179	181	175	183	172	2,025
Imported	641	665	621	617	519	507	478	485	498	524	554	585	6,693
Recycled	128	97	88	60	46	38	9	42	31	57	75	96	765
Total	914	895	839	821	757	742	679	705	710	756	812	853	9,483

10-Year Average Total Water Use



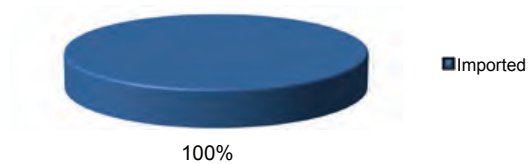
Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater	3,551	3,751	3,695	3,622	3,020	2,476	2,097	1,911	1,809	2,025	2,796
Imported	6,465	7,689	7,137	6,552	6,939	7,685	8,238	8,201	7,445	6,693	7,304
Seasonal Long Term	1,062	-	-	-	-	-	-	-	-	-	118
Recycled	797	650	680	621	606	642	783	827	728	765	710
Total	11,875	12,090	11,512	10,795	10,565	10,802	11,117	10,939	9,982	9,483	10,928

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

Los Angeles County Waterworks District 29 & Marina Del Rey

900 S. Freemont Ave., Alhambra, CA 91803

FY 2015-16 Total Water Use



Adjudicated Water Rights
– AF

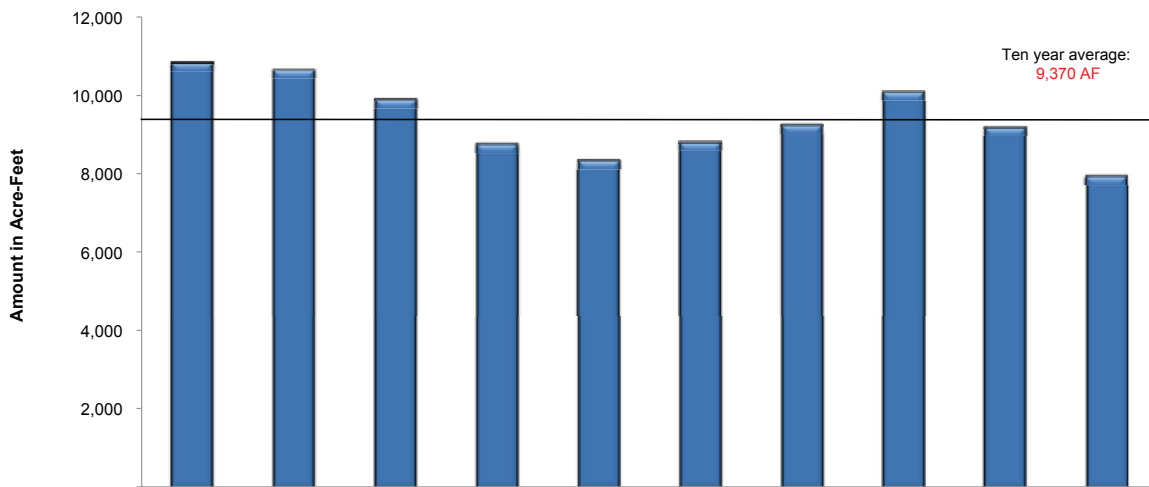
Imported Connections
WB-26A WB-26B!!!WB26C

2016 Capacity Reservation Charge (cfs)
2013 = 18.1 2014 = 18.2 (CRC) 2015 = 16.9

Note: The 2016 CRC is the highest daily average flow for the past three years

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Imported	711	782	726	735	681	613	460	575	536	621	743	750	7,932
Recycled	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	711	782	726	735	681	613	460	575	536	621	743	750	7,932

10-Year Average Total Water Use

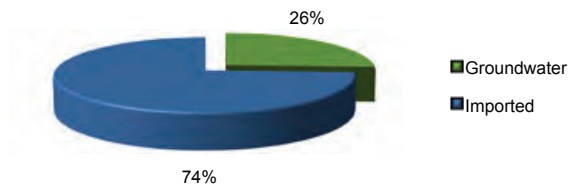


Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater	-	-	-	-	-	-	-	-	-	-	-
Imported	10,836	10,654	9,886	8,750	8,331	8,802	9,234	10,090	9,182	7,932	9,370
Recycled	-	-	-	-	-	-	-	-	-	-	-
Total	10,836	10,654	9,886	8,750	8,331	8,802	9,234	10,090	9,182	7,932	9,370

City of Lomita

P.O. Box 339, Lomita, CA 90717

FY 2015-16 Total Water Use



Adjudicated Water Rights

1,352 AF

Imported Connections

WB-07 WB-08

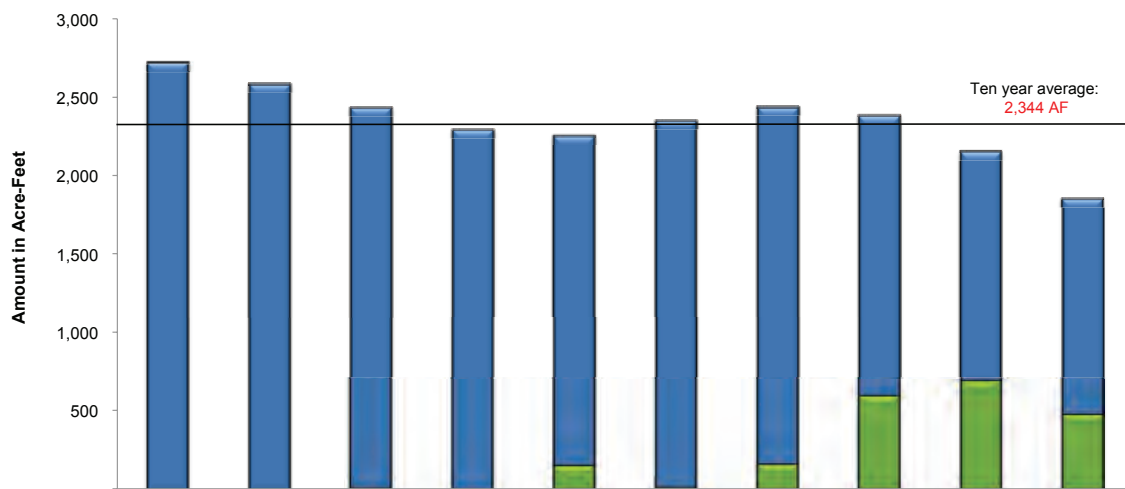
2016 Capacity Reservation Charge (cfs)

2013 = 5.1 (CRC) 2014 = 3.6 2015 = 3.9

Note: The 2016 CRC is the highest daily average flow for the past three years

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	45	49	46	50	52	62	6	24	25	32	47	36	476
Imported	132	136	133	119	115	98	93	86	102	96	120	145	1,374
Recycled	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	177	185	179	169	167	159	100	111	127	128	167	181	1,850

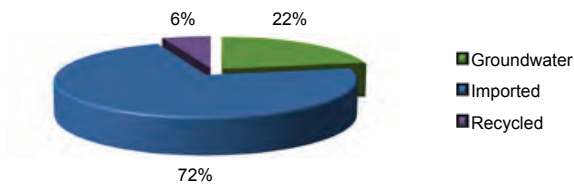
10-Year Average Total Water Use



Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater	-	-	12	-	155	13	162	592	688	476	210
Imported	2,720	2,583	2,420	2,290	2,096	2,336	2,275	1,788	1,463	1,374	2,135
Recycled	-	-	-	-	-	-	-	-	-	-	-
Total	2,720	2,583	2,432	2,290	2,251	2,349	2,437	2,380	2,151	1,850	2,344

Contact: Mr. Mark McAvoy, Public Works Director
Office: (310) 325-9830 **Fax:** (310) 325-4025

FY 2015-16 Total Water Use



Adjudicated Water Rights

1,131 AF

Imported Connections

WB-04

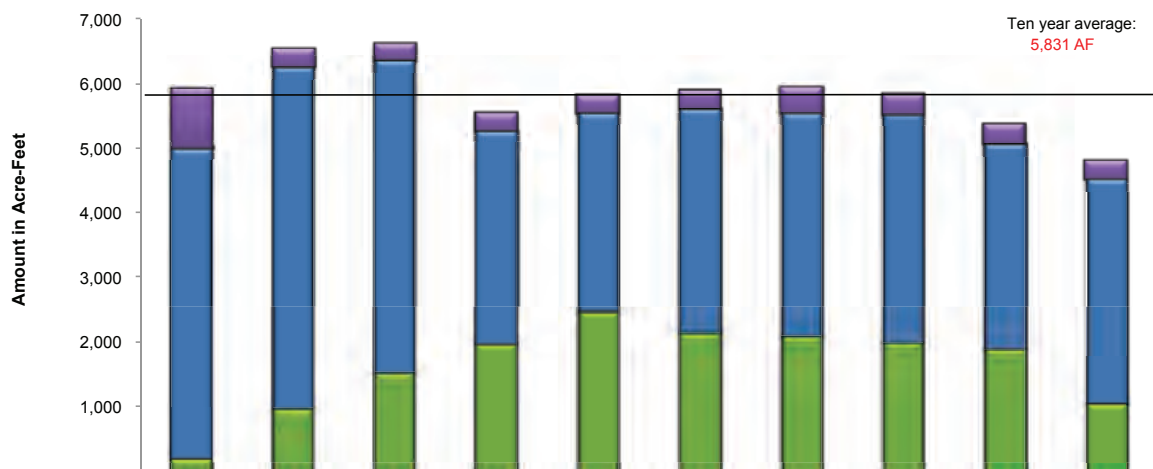
2016 Capacity Reservation Charge (cfs)

2013 = 9.8 2014 = 10.3 (CRC) 2015 = 7.8

Note: The 2016 CRC is the highest daily average flow for the past three years

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	135	164	166	123	142	152	142	-	1	9	12	11	1,059
Imported	271	232	216	276	230	210	183	338	357	360	388	398	3,458
Recycled	28	33	29	25	20	23	16	12	13	21	26	34	280
Total	434	429	411	424	392	384	340	350	372	390	426	443	4,797

10-Year Average Total Water Use

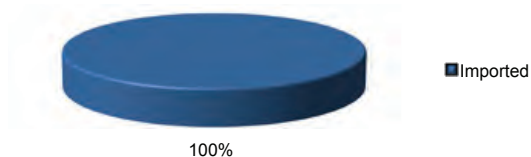


Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater	194	984	1,534	1,979	2,460	2,148	2,096	1,989	1,884	1,059	1,633
Imported	4,802	5,278	4,822	3,301	3,095	3,466	3,450	3,544	3,184	3,458	3,840
Recycled	919	288	251	264	264	291	405	305	313	280	358
Total	5,915	6,549	6,607	5,544	5,819	5,905	5,951	5,839	5,381	4,797	5,831

Golden State Water Company – Culver City

1600 W. Redondo Beach Blvd., #101, Carson, CA 90746-1296

FY 2015-16 Total Water Use



Adjudicated Water Rights
7,502 AF

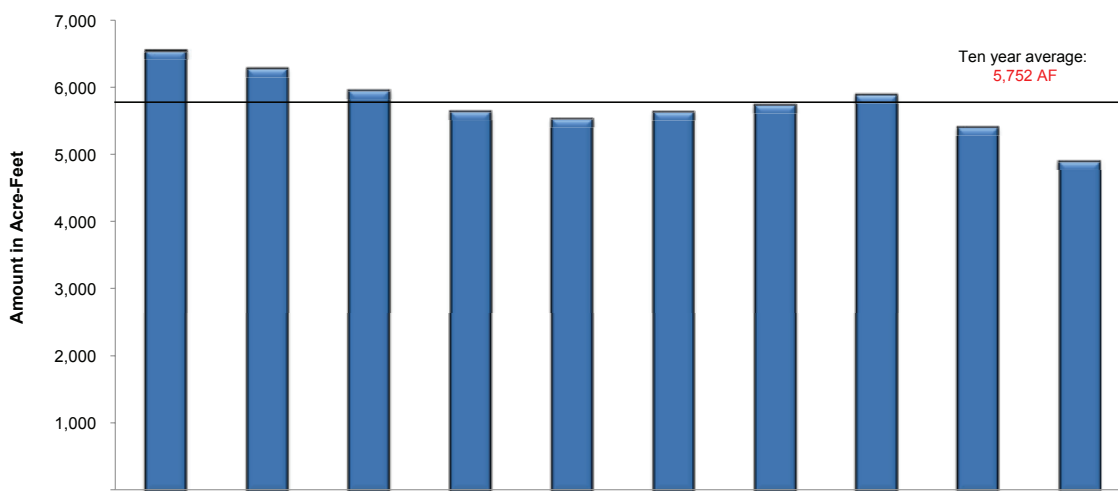
Imported Connections
WB-23 WB-24 WB-34

2016 Capacity Reservation Charge (cfs)
2013 = 29.6 2014 = 34.3 2015 = 44.3 (CRC)

Note: The 2016 CRC is the highest daily average flow for the past three years. The CRC shown is for GSWC Southwest District and Culver City combined.

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Imported	441	453	419	424	401	379	361	368	378	393	438	441	4,896
Recycled	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	441	453	419	424	401	379	361	368	378	393	438	441	4,896

10-Year Average Total Water Use

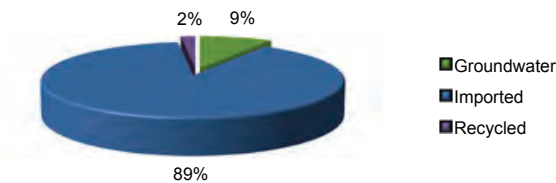


Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater	-	-	-	-	-	-	-	-	-	-	-
Imported	6,549	6,279	5,953	5,640	5,533	5,635	5,737	5,887	5,406	4,896	5,752
Recycled	-	-	-	-	-	-	-	-	-	-	-
Total	6,549	6,279	5,953	5,640	5,533	5,635	5,737	5,887	5,406	4,896	5,752

Golden State Water Company – Southwest District

1600 W. Redondo Beach Blvd., #101, Carson, CA 90746-1296

FY 2015-16 Total Water Use



Adjudicated Water Rights
7,502 AF

Imported Connections

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

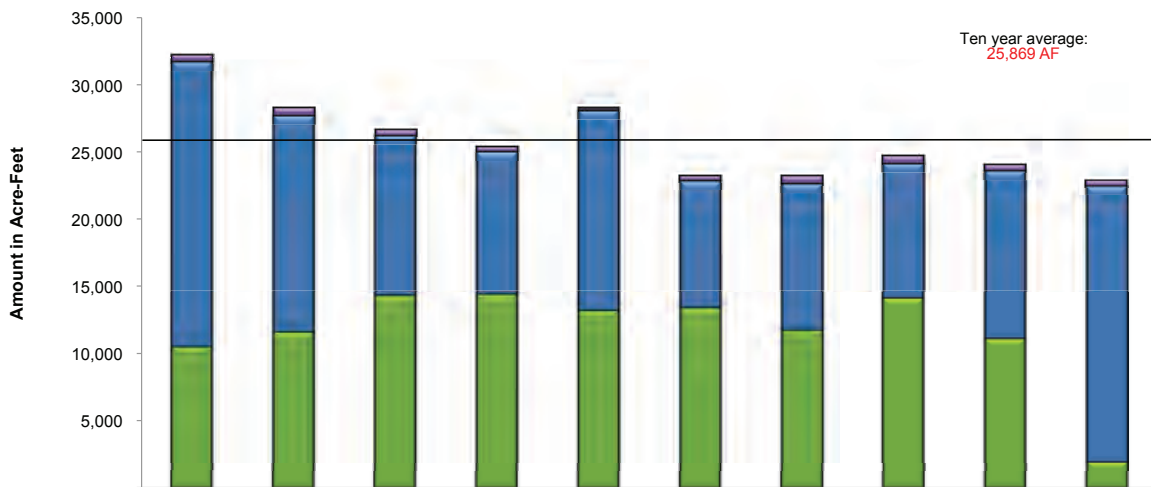
2016 Capacity Reservation Charge (cfs)

2013 = 29.6 2014 = 34.3 2015 = 44.3 (CRC)

Note: The 2016 CRC is the highest daily average flow for the past three years. The CRC shown is for GSWC Southwest District and Culver City combined.

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	37	15	141	191	112	172	235	225	237	334	187	114	2,000
Imported	1,983	2,049	1,811	1,804	1,744	1,665	1,497	1,477	1,520	1,444	1,703	1,793	20,489
Recycled	50	51	43	37	14	30	21	23	17	33	38	50	405
Total	2,071	2,114	1,995	2,031	1,869	1,867	1,752	1,725	1,773	1,811	1,928	1,958	22,894

10-Year Average Total Water Use



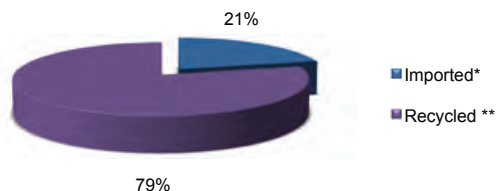
Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater	10,540	11,638	14,335	14,408	13,213	13,434	11,785	14,120	11,149	2,000	11,662
Imported	21,199	16,103	11,917	10,634	14,920	9,431	10,868	10,046	12,158	20,489	13,807
Recycled	523	552	410	360	148	333	538	573	464	405	431
Total	32,262	28,294	26,662	25,402	28,281	23,198	23,191	24,739	23,771	22,894	25,869

Contact: Ms. Katherine Nutting, District Manager
Office: (310) 767-8200 ext 500 **Fax:** (310) 436-6065

Water Replenishment District of Southern California

4040 Paramount Blvd., Lakewood, CA 90712

FY 2015-16 Total Water Use



Adjudicated Water Rights
-- AF

Imported Connections
WB-28 WB-37

2016 Capacity Reservation Charge (cfs)
2013 = 48.5 (CRC) 2014 = 22.7 2015 = 2.8

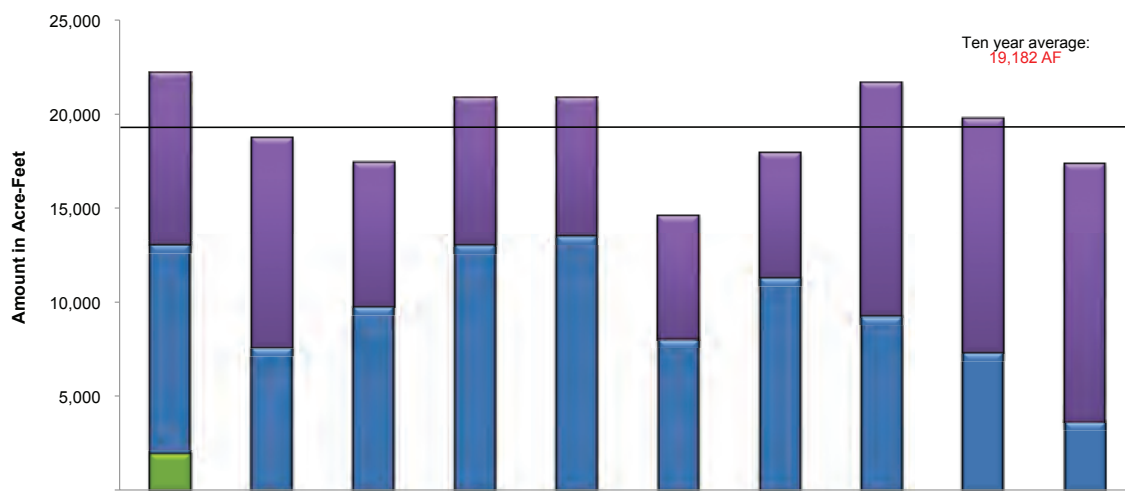
Note: The 2016 CRC is the highest daily average flow for the past three years

Water Supply	FY 2015-16												TOTAL
	July	August	September	October	November	December	January	February	March	April	May	June	
Groundwater	-	-	-	-	-	-	-	-	-	-	-	-	-
Imported*	261	229	168	152	188	156	202	550	276	420	564	516	3,681
Recycled**	1,416	1,504	1,213	1,175	1,114	1,105	1,082	974	992	1,089	1,054	959	13,677
Total	1,677	1,733	1,382	1,327	1,303	1,261	1,283	1,524	1,268	1,509	1,618	1,474	17,358

*Imported water purchased is for the West Coast and Dominguez Gap Seawater Barriers.

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

10-Year Average Total Water Use



Water Supply	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	Ten Year Averages
Groundwater*	1,936	-	-	-	-	-	-	-	-	-	194
Imported**	11,162	7,609	9,774	13,054	13,534	8,504	11,320	9,285	7,354	3,681	9,528
Recycled***	9,104	11,129	7,652	7,797	7,320	6,531	6,622	12,372	12,403	13,677	9,461
Total	22,202	18,738	17,426	20,851	20,853	15,034	17,942	21,658	19,757	17,358	19,182

*Groundwater purchased is for the WRD Goldsworthy Desalter.

**Imported water purchased is for the West Coast and Dominguez Gap Seawater Barriers.

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

Contact: Mr. Robb Whitaker, General Manager
Office: (562) 275 - 4220 **Fax:** (562) 275 - 4270

The background of the entire page is a blue gradient with numerous water bubbles of various sizes. The bubbles are more concentrated at the bottom, where they appear to be rising from a surface, creating ripples. The top half of the image has a solid blue background with fewer, more sparsely distributed bubbles.

WATER RECYCLING PROGRAM

WATER RECYCLING PROGRAM



CURRENT & PLANNED PROJECTS

To effectively respond to current and potentially long-term drought conditions, imported water uncertainty, and regulatory restrictions, West Basin Municipal Water District (West Basin) actively pursues locally supplied water as a viable alternative to ensure a reliable supply of water today and for the future. To meet this objective, West Basin has implemented an aggressive program to find the right solution for the region by doubling conservation efforts, doubling recycled water deliveries, and potentially incorporating ocean-water desalination into West Basin's water portfolio in the future. The major recycled water capital projects taking place in the more immediate term are explained in further detail below.

TESORO REFINERY CAPACITY EXPANSION



Purpose: Provide 2.59 MGD of increased supply to the Tesoro Refinery by constructing a tertiary- Membrane Biological Reactor (t-MBR); and fully restoring the MF capacity back to contract requirements.

Benefits: This project will increase the supply of recycled water to Tesoro; improve water quality of the nitrified water; reduce breakpoint chlorination to the current nitrified effluent, thereby reducing the chloride content of the wastewater; optimize the Tesoro blend of RO & nitrified water used in their cooling towers; and remove total suspended solids and colloidal iron concentrations.

Project Completion Date: FY 2017-2018

ECLWRF REVERSE OSMOSIS CLEAN-IN-PLACE WASTE DISCHARGE



Purpose: Currently, reverse osmosis (RO) and microfiltration (MF) clean-in-place (CIP) waste is discharged into the existing brine line along with the RO brine. The existing brine line connects to the Hyperion Wastewater Treatment Plant ocean outfall. This project will allow West Basin to discharge the RO CIP waste to the sewer system to ensure that West Basin will be in compliance with the brine permit issued by the Regional Water Quality Control Board (RWQCB).

Benefits: The proposed waste discharge improvements will ensure that West Basin will be in compliance with the brine permit issued by the RWQCB, in order to maintain continuous production for the Barrier System and Boiler Feedwater system for Chevron.

Project Completion Date: FY 2017-2018

HYPERION SECONDARY EFFLUENT PUMP STATION



Purpose: The Hyperion Secondary Effluent Pump Station provides wastewater to the Edward C. Little Water Recycling Facility (ECLWRF) where it is further treated to produce recycled water.

Benefits: Improve system reliability with additional pumping units and emergency generators.

Project Completion Date: FY 2017-18

INGLEWOOD DISINFECTION STATION



Purpose: The disinfection station will mitigate water quality issues associated with long detention periods in the Inglewood recycled water distribution system by boosting the chlorine residual of recycled water.

Benefits: Provides customers with a consistent recycled water quality.

Project Completion Date: FY 2016-17

BARRIER PRODUCTION INCREASE



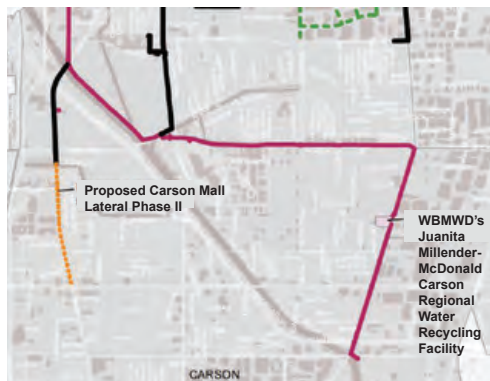
Purpose: West Basin's goal is to maximize the recycled water available for injection into the West Coast Basin Seawater Intrusion Barrier (Barrier). The microfiltration (MF) systems constructed as part of the Phase IV and V expansions at ECLWRF both include provisions for new membrane units to be installed. The first phase of the project will include the engineering design and construction of additional Phase V MF units in FY 2016-17.

Benefits: The benefits to West Basin include a reduction of potable water used for injection into the Barrier and an increase in revenue through additional sales of recycled water to the Water Replenishment District of Southern California.

Completion Date: FY 2017-2018

WATER RECYCLING PROGRAM (CONT.)

CARSON MALL LATERAL PHASE II



Purpose: This is a new recycled water pipeline project to be constructed in cooperation with the U.S. Army Corps of Engineers under the Harbor South Bay Program.

Benefits: The project will provide disinfected, tertiary-treated recycled water for approved uses in the City of Carson. In addition, this pipeline will connect to a future recycled water system to be built by the City of Carson which will help expand the delivery of recycled water to street medians, City Hall green areas, parks, and schools.

Project Completion Date: FY 2016-2017

SOUTH GARDENA LATERAL



Purpose: The project is anticipated to serve approximately 105 acre-feet per year (AFY) of recycled water in the City of Gardena, in partnership with the City of Los Angeles.

Benefits: The South Gardena Lateral will connect three new recycled water customers: Gardena High School, South Gardena Park, and Roosevelt Memorial Park Association. Recycled water use at these sites will reduce reliance on imported water.

Project Completion Date: FY 2016-2017

PHASE 1 PIPING WYE REMOVAL PROJECT



Purpose: This project will include removal of unused piping remaining from the original construction of the Edward C. Little Water Recycling Facility.

Benefits: Removal of the unused piping will address water quality issues affecting the downstream treatment processes.

Completion Date: FY 2016-2017

WEST BASIN PIPELINE LATERAL EXTENSIONS



Purpose: Provide increased supply of West Basin's disinfected tertiary recycled water for irrigation and cooling tower supply to various facilities within the West Basin service area.

Benefits: The construction of additional laterals increases West Basin's supply of disinfected tertiary recycled water and reduces the amount of imported water used for potable services. The additional supply also improves the water quality within the distribution system by moving water faster through the system, reducing the potential for biological growth, scale, and corrosion within the pipeline.

Project Completion Date: FY 2017-18

PROPOSITION 84, ROUND 3



Purpose: West Basin is the recipient of funding under DWR's Proposition 84 Round 3 Grant for the retrofit of various project sites to accept disinfected tertiary recycled water for irrigation use and in some cases for approved industrial applications.

Benefits: The project will provide approximately 206 acre-feet per year (AFY) of disinfected tertiary recycled water. The projects will reduce dependence on imported water by introducing a new recycled water supply.

Project Completion Date: FY 2016-17

WEST BASIN MUNICIPAL WATER DISTRICT WATER RECYCLING PLANTS

EDWARD C. LITTLE WATER RECYCLING FACILITY



CHEVRON NITRIFICATION PLANT



EXXON MOBIL WATER RECYCLING FACILITY



EL SEGUNDO



TORRANCE

CARSON



CARSON REGIONAL WATER RECYCLING FACILITY



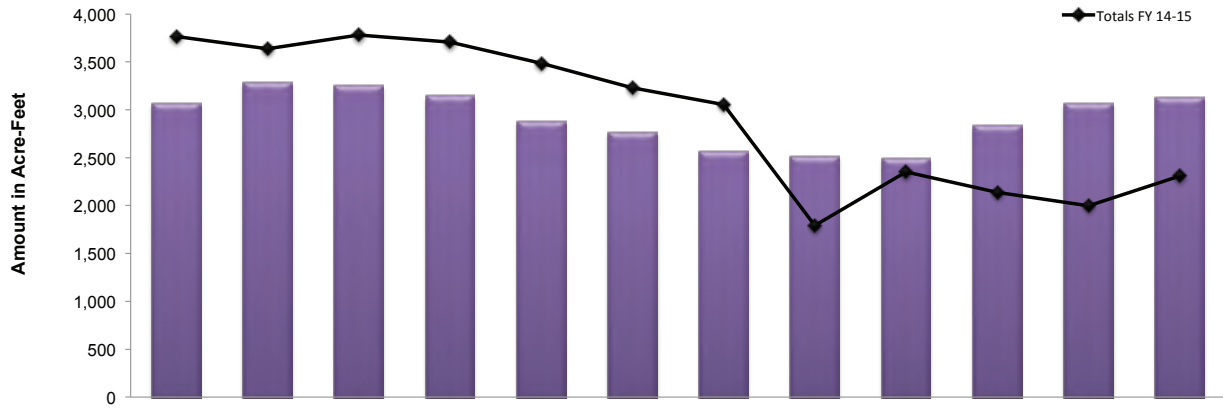
0 3 6 Miles

-  TREATMENT PLANT
-  BARRIER WATER LINE
-  BRINE LINE
-  RECLAIMED LINE
-  SECONDARY EFFLUENT LINE
-  FACILITY RESIDING CITY
-  CITY BOUNDARY
-  SERVICE AREA

West Basin Municipal Water District

17140 S. Avalon Blvd., Carson CA 90746

FY 2015-16 Recycled Water Sales



West Basin MWD	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	TOTAL
CWS - Dominguez	271	346	636	629	539	452	387	434	445	522	587	554	5,803
CWS - Hawthorne	12	12	12	9	9	8	5	5	6	6	9	11	104
CWS - Hermosa Redondo	16	18	20	14	12	14	8	5	10	8	14	19	156
City of El Segundo	757	772	795	759	698	737	739	705	677	723	743	823	8,927
City of Inglewood	128	97	88	60	46	38	9	42	31	57	75	96	765
City of Manhattan Beach	28	33	29	25	20	23	16	12	13	21	26	34	280
City of Torrance	35	38	49	36	27	34	14	15	20	17	66	40	390
City of Torrance - Mobil	246	296	265	315	332	286	264	252	241	307	373	444	3,623
Golden State Water Company	50	51	43	37	14	30	21	23	17	33	38	50	405
LA Dept. of Water and Power	104	121	100	84	69	42	19	45	43	58	82	105	874
Water Replenishment District	1,416	1,504	1,213	1,175	1,114	1,105	1,082	974	992	1,089	1,054	959	13,677
Total	3,063	3,287	3,249	3,144	2,880	2,768	2,562	2,513	2,494	2,841	3,066	3,135	35,002

10-Year Recycled Water Sales



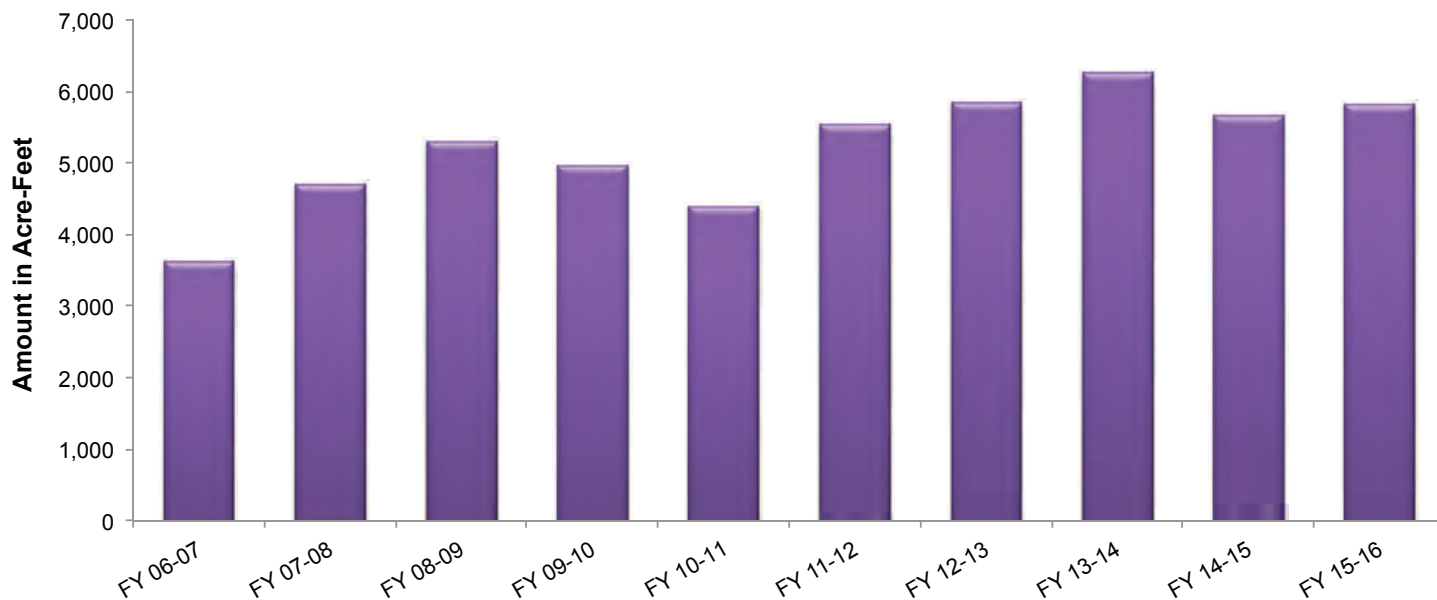
West Basin MWD	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	TOTAL
CWS - Dominguez	3,610	4,690	5,293	4,959	4,392	5,522	5,841	6,245	5,669	5,803	52,024
CWS - Hawthorne	118	85	99	90	79	90	108	118	98	104	988
CWS - Hermosa Redondo	141	145	163	150	133	136	162	167	147	156	1,499
City of El Segundo	8,201	7,865	8,978	9,035	6,638	6,888	7,665	8,616	9,300	8,927	82,112
City of Inglewood	797	650	680	621	606	642	783	827	728	765	7,098
City of Manhattan Beach	316	288	251	264	264	291	396	305	313	280	2,969
City of Torrance	285	311	277	272	234	283	271	346	333	390	3,002
City of Torrance - Mobil	5,774	6,078	5,599	6,173	5,551	6,069	6,364	6,183	4,937	3,623	56,349
Golden State Water Company	523	552	410	360	148	333	538	573	452	405	4,294
Inglewood Unified School District*	68	56	62	56	-	-	-	-	-	-	242
LA Dept. of Water and Power	313	360	444	608	763	876	968	998	870	874	7,075
Water Replenishment District	9,104	11,129	7,652	7,797	7,320	6,531	6,622	12,372	12,403	13,677	94,606
West Basin Inland Use	-	-	-	-	-	-	-	-	-	-	-
Total	29,250	32,209	29,908	30,384	26,127	27,659	29,716	36,751	35,250	35,002	312,256

* The values for FY 10-11, 11-12, 12-13, 13-14, 14-15, and 15-16 are included in the value for the City of Inglewood.

California Water Service Company – Dominguez

2632 West 237th Street, Torrance, CA 90505-5272

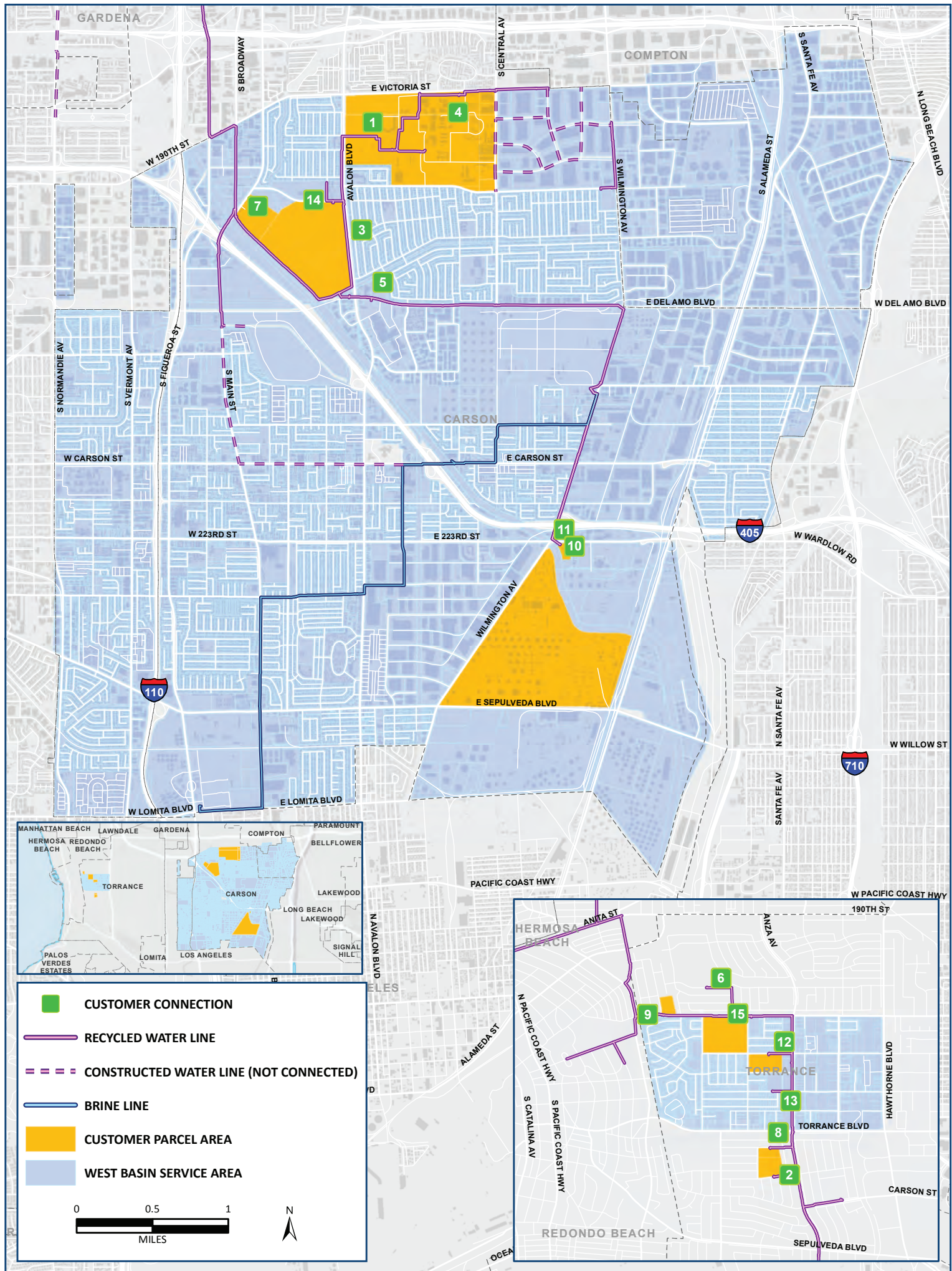
FY 2015-16 Recycled Water Sales



1	Anschutz So Cal Sports	105.0
2	Anza Elementary	12.9
3	Avalon Median N/Elsmere	4.2
4	Cal State Univ Dominguez	147.4
5	City of Carson	3.2
6	Entradero Park	2.6
7	Goodyear	42.7
8	Paradise Park	12.1
9	Sunny Glenn Park	10.5
10	Tesoro Refinery - Nitrification	1,059.6
11	Tesoro Refinery - R/O	4,123.8
12	Victor Elementary	17.3
13	Victor Park	12.1
14	Victoria Golf Course	212.6
15	West High School	37.3

Total 5,803.2

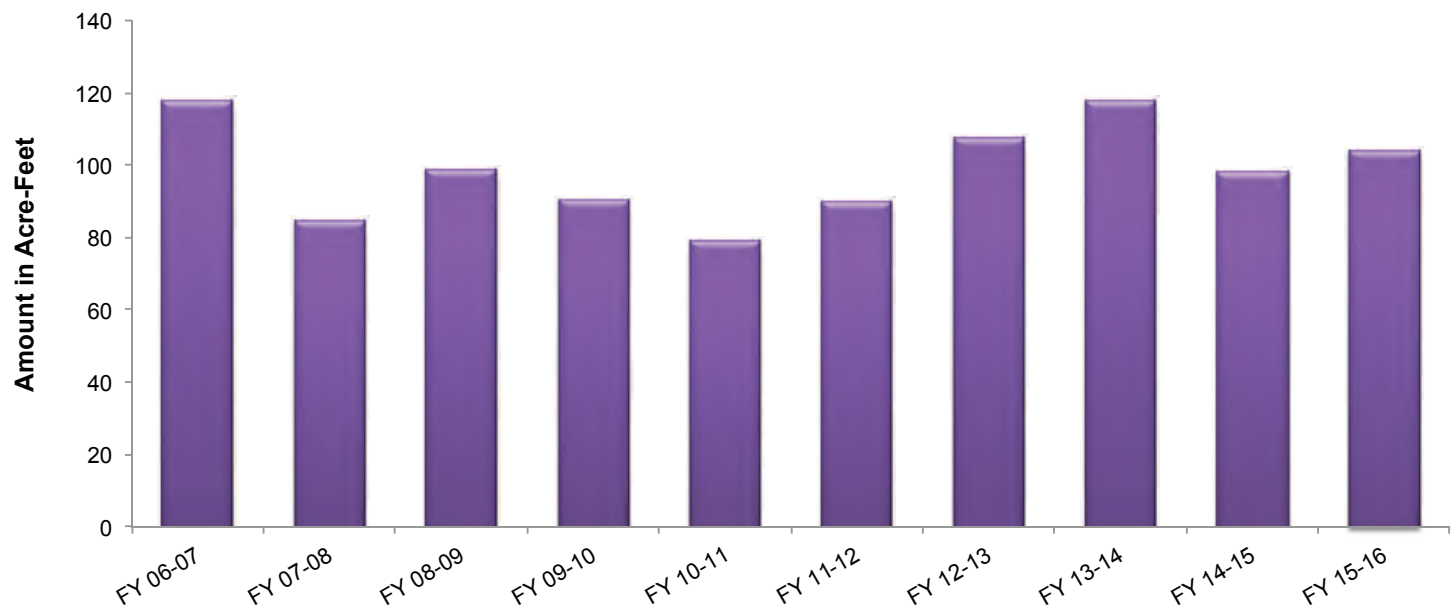
The map on the following page corresponds to the numbers listed in the left column in the table above.



California Water Service Company – Hawthorne

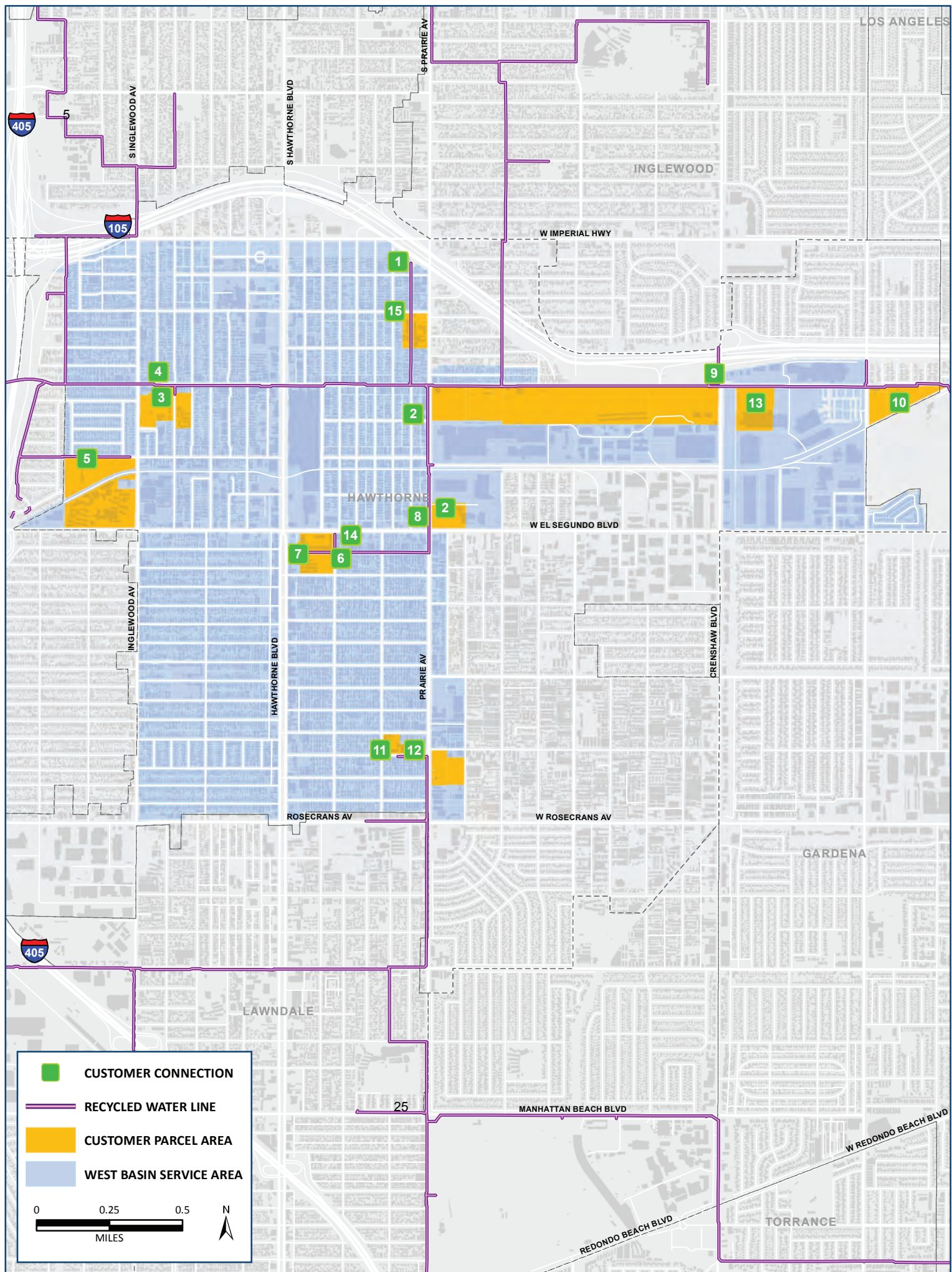
2632 West 237th Street, Torrance, CA 90505-5272

FY 2015-16 Recycled Water Sales



1	Caltrans (I-105/York St.)	-
2	City of Hawthorne	5.0
3	Eucalyptus Avenue School	6.0
4	Eucalyptus Park	6.6
5	Hawthorne High School	16.5
6	Hawthorne Intermediate School	4.5
7	Hawthorne Medians	13.0
8	Hawthorne Memorial Park	8.9
9	Hawthorne Municipal Airport	0.3
10	Holly Park	21.6
11	Jefferson School	2.3
12	Jim Thorpe Park	12.5
13	Lowe's	1.1
14	Washington Avenue School	1.4
15	York Avenue School	4.3
Total		103.9

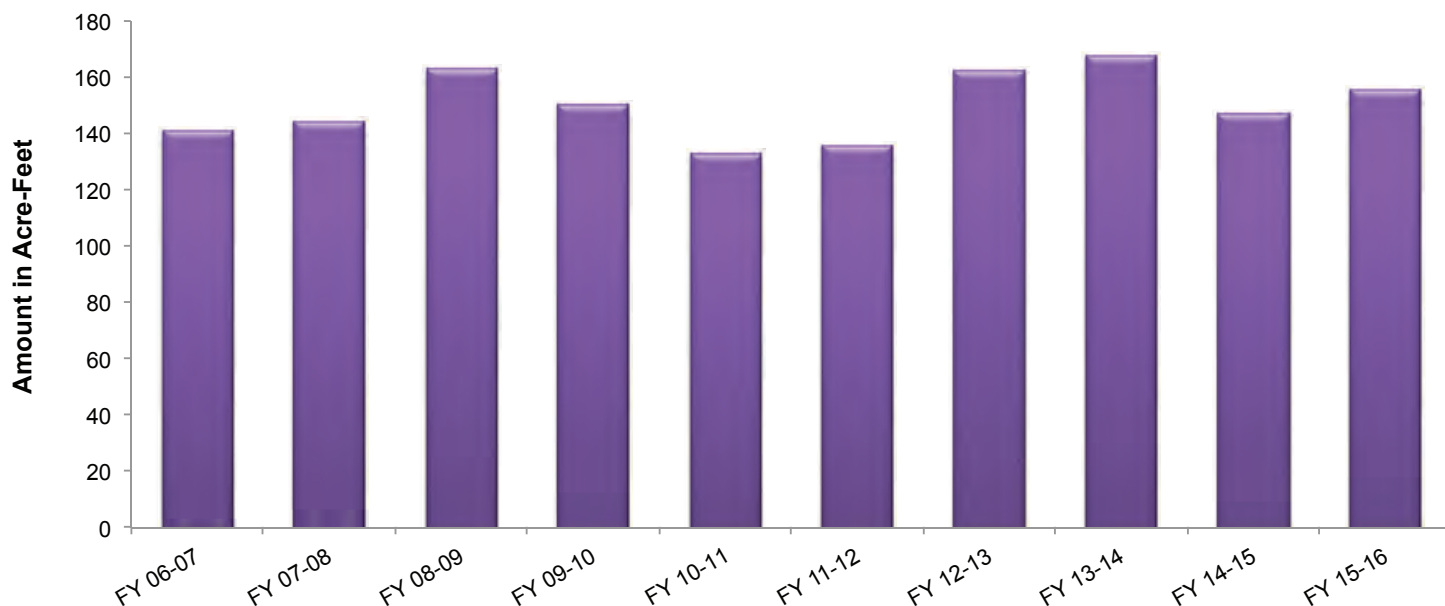
The map on the following page corresponds to the numbers listed in the left column in the table above.



California Water Service Company – Hermosa Redondo

2632 West 237th Street, Torrance, CA 90505-5272

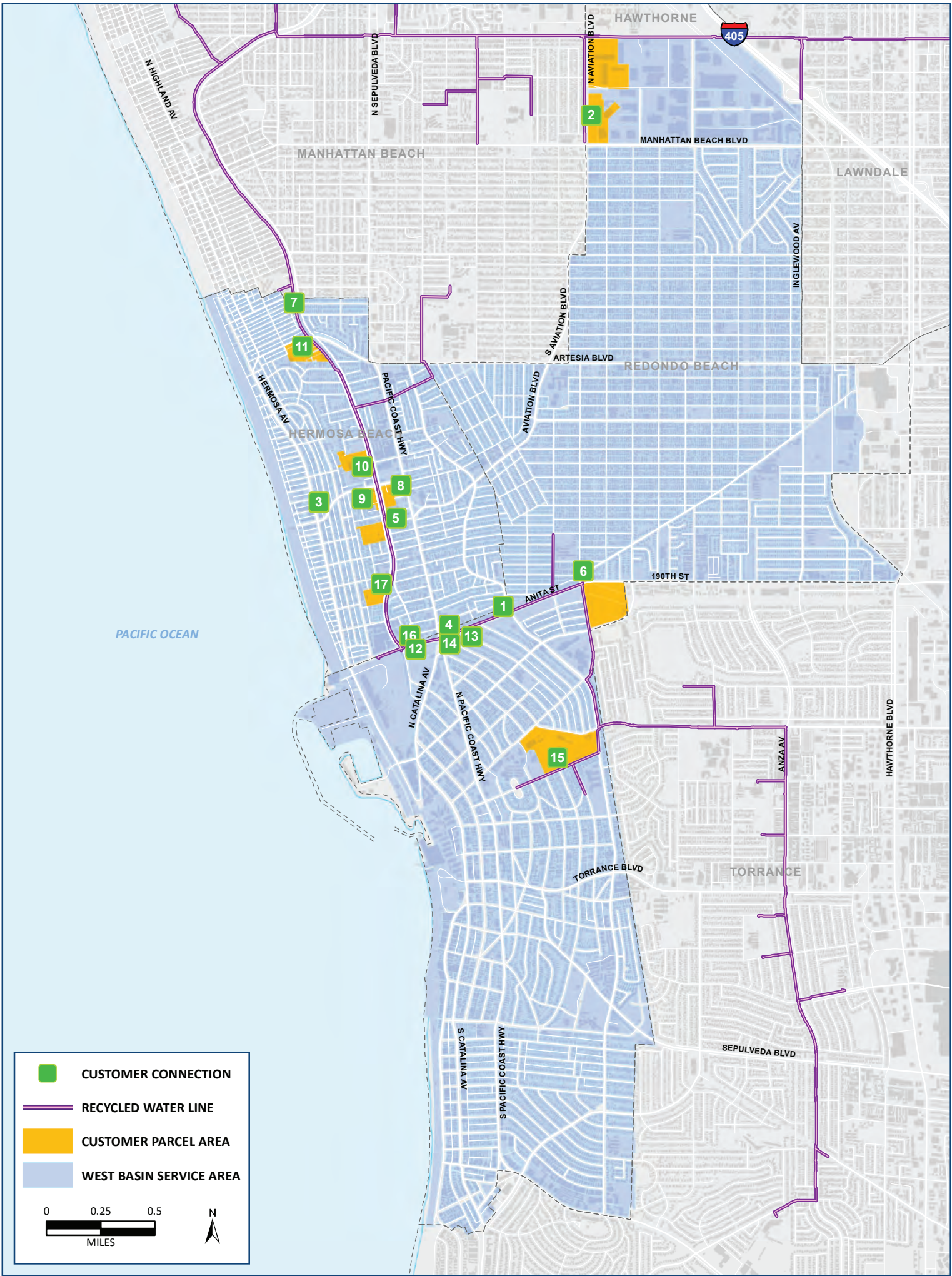
FY 2015-16 Recycled Water Sales



1	190th St./Prospect Ave Medians (400 Blk)*	0.2
2	Aviation Park	7.1
3	City of Hermosa Beach	2.5
4	City of Redondo Beach	0.1
5	Clark Park	11.6
6	Dominguez Park	24.7
7	Hermosa Beach Greenbelt	23.9
8	Hermosa Beach Community Center	3.8
9	Hermosa Beach Library And City Hall	0.2
10	Hermosa Valley Elementary School	7.8
11	Hermosa Valley Park II	35.0
12	Herondo/Francisca Median	1.2
13	PCH/190th St. Median	-
14	PCH/Herondo-King Harbor Park	0.7
15	Redondo Beach School District*	23.9
16	Redondo Technology Center	2.5
17	South Park -Hermosa Beach	10.5
Total		155.6

* This data reflects the total for multiple meter connections.

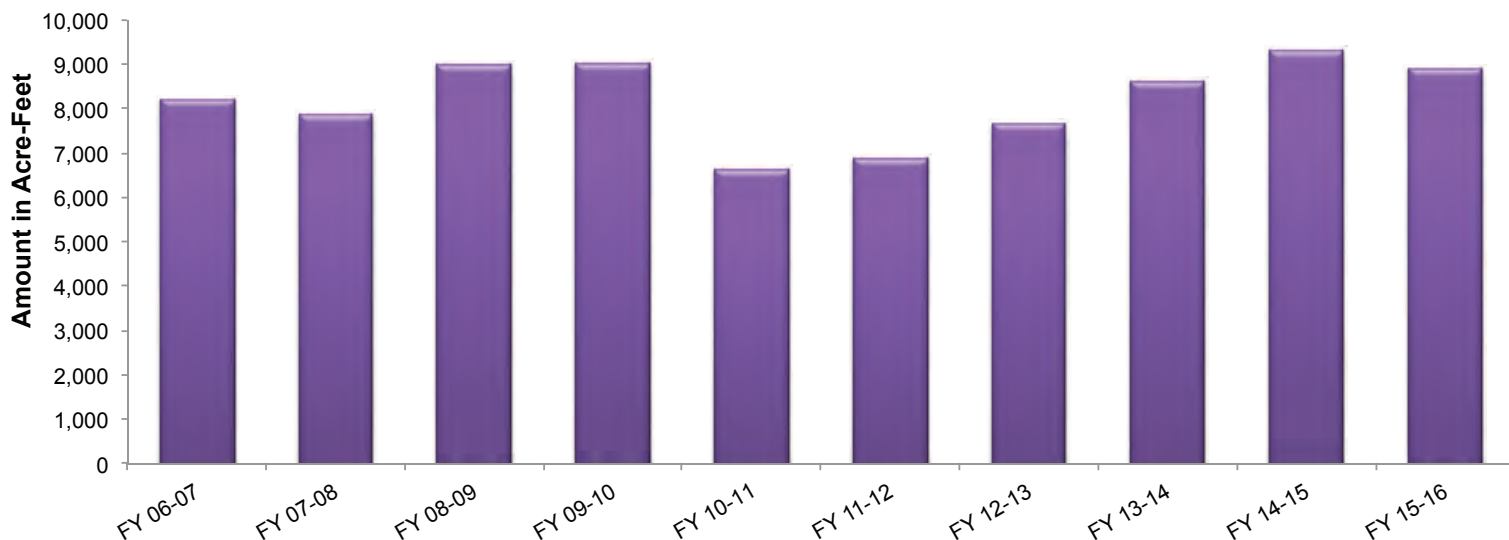
The map on the following page corresponds to the numbers listed in the left column in the table above.



City of El Segundo

350 Main Street, El Segundo, CA 90245-3895

FY 2015-16 Recycled Water Sales



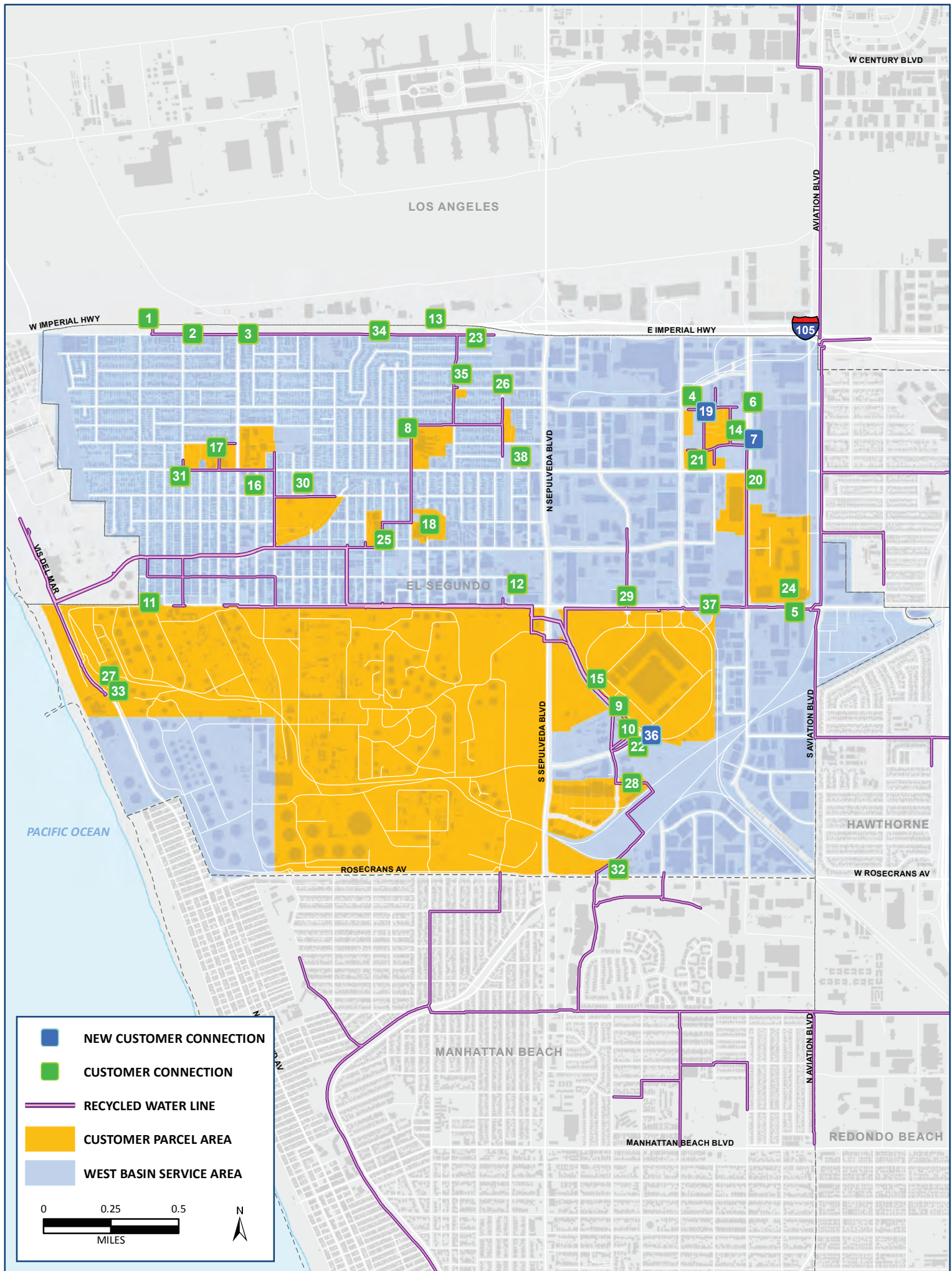
1	350 Main St/Parks	16.2	19	Eleven at CES**	3.2
2	351 Main St/Parks	8.8	20	Equinox Operating Co.	0.7
3	352 Main St/Parks	1.3	21	Fire Station #2	0.7
4	750 N Nash St	1.1	22	Hughes Way Median	2.0
5	Aerospace Corp.*	37.0	23	Imperial Ave. Parkway	7.0
6	Campus El Segundo	7.2	24	LAAFB*	37.7
7	CDC MAR Campus LLC**	1.9	25	Maryland Hilltop Park	2.8
8	Center Elementary School	16.3	26	Nash & Continental Medians	6.4
9	Chevron (HP)	2,510.3	27	NRG	51.6
10	Chevron (LP)	1,876.5	28	Plaza El Segundo	8.0
11	Chevron Irrigation*	107.6	29	Raytheon*	108.4
12	Chevron Nitrification Plant	3,903.1	30	Recreation Park -El Segundo	33.8
13	City Storm Water Detention	-	31	Richmond School	6.8
14	El Segundo Association	8.8	32	Snyder Langston	13.8
15	El Segundo Golf Course	54.7	33	So. Cal Edison -El Segundo Generation Station	29.3
16	El Segundo High School*	19.3	34	Storm Drain Plant 17	-
17	El Segundo Library Park	3.4	35	Sycamore Park	3.0
18	El Segundo Middle School	18.0	36	The Jungle Nursery**	0.3

Total 8,927.2

* This data reflects the total for multiple meter connections.

** This is a new customer connection.

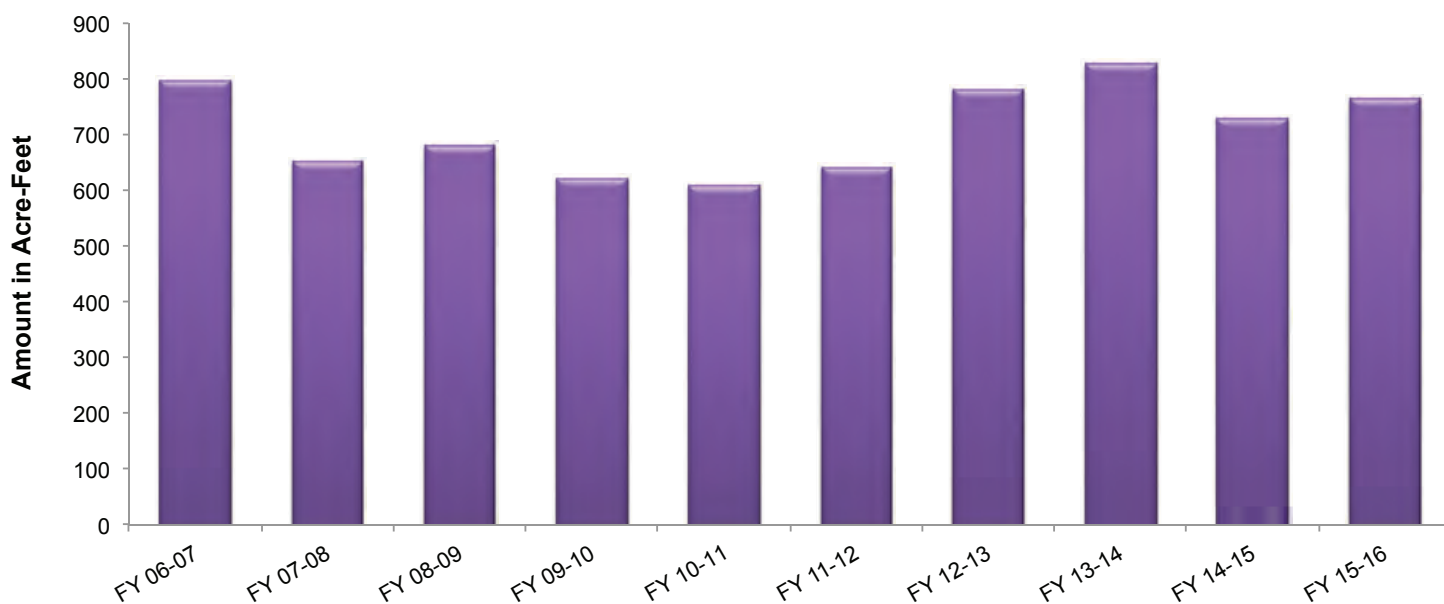
The map on the following page corresponds to the numbers listed in the left column in the table above.



City of Inglewood

One Manchester Blvd., Inglewood, CA 90301

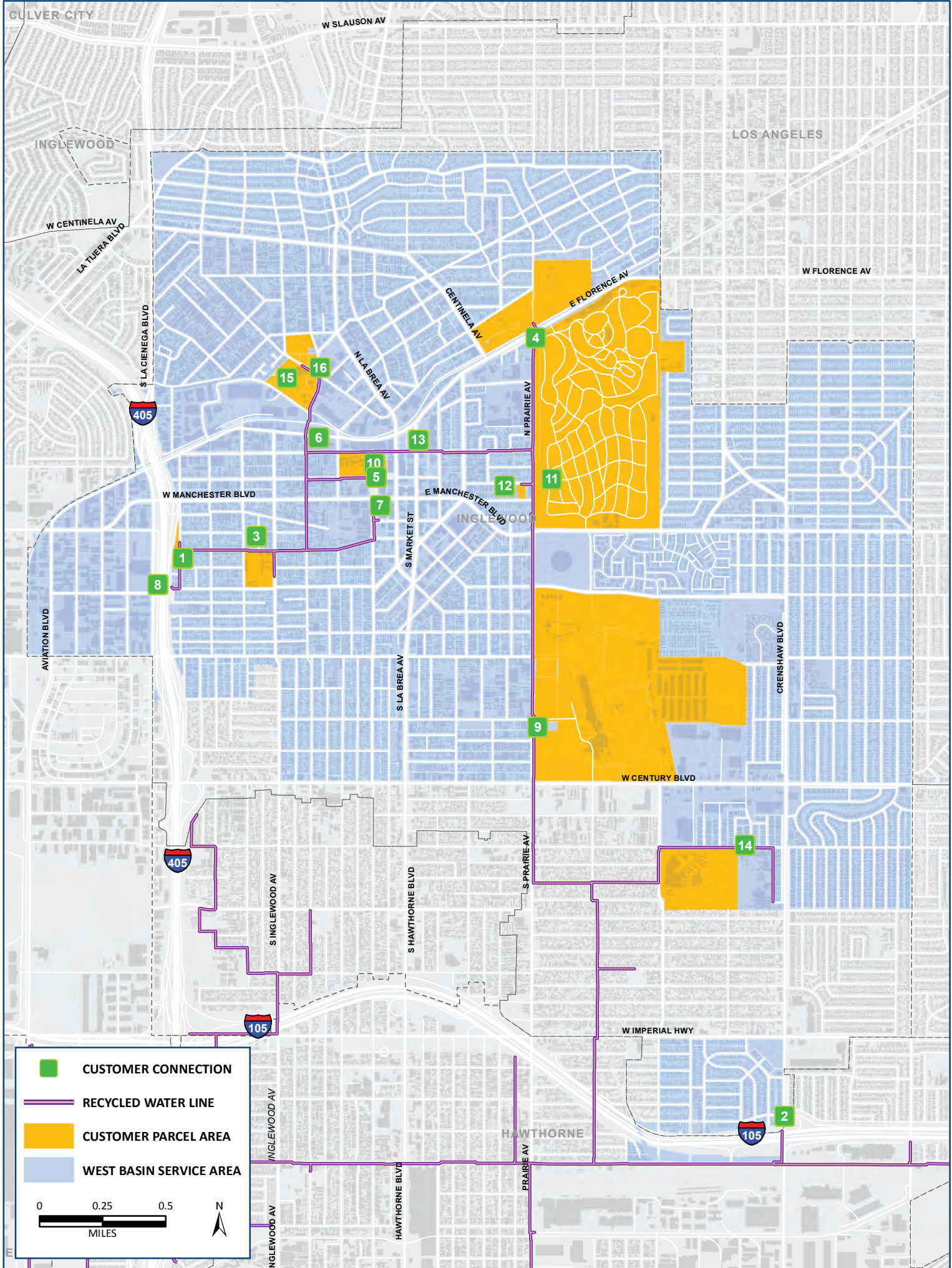
FY 2015-16 Recycled Water Sales



1	Ashwood Park	3.4
2	Caltrans (I-105/Crenshaw)	0.2
3	Caroline Coleman Stadium	9.3
4	Centinela (Vincent) Park	92.7
5	Crozier Jr. High	3.8
6	Florence Median	0.4
7	Grevillea Mall Park	2.9
8	Hillcrest	0.0
9	Hollywood Park	23.8
10	Inglewood City Hall	8.4
11	Inglewood Park Cemetery	546.2
12	Manchester	17.2
13	Market Street Medians	2.8
14	Morningside School	34.9
15	Rogers Park	14.7
16	Water Treatment Plant	4.0

Total 764.6

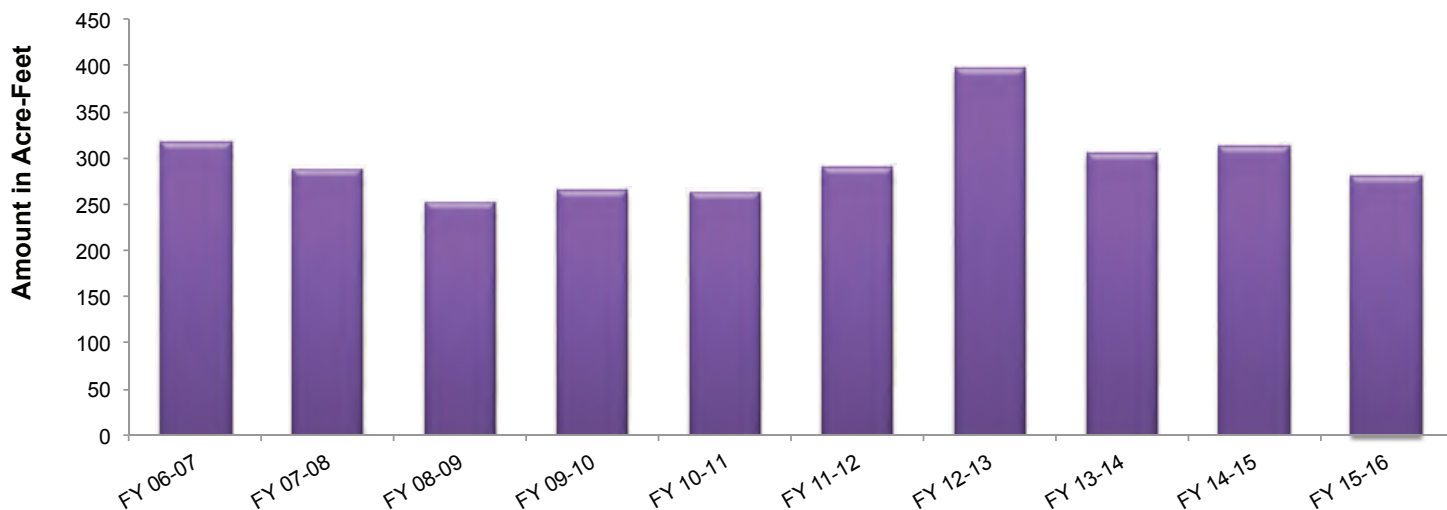
The map on the following page corresponds to the numbers listed in the left column in the table above.



City of Manhattan Beach

3621 Bell Ave., Manhattan Beach, CA 90266

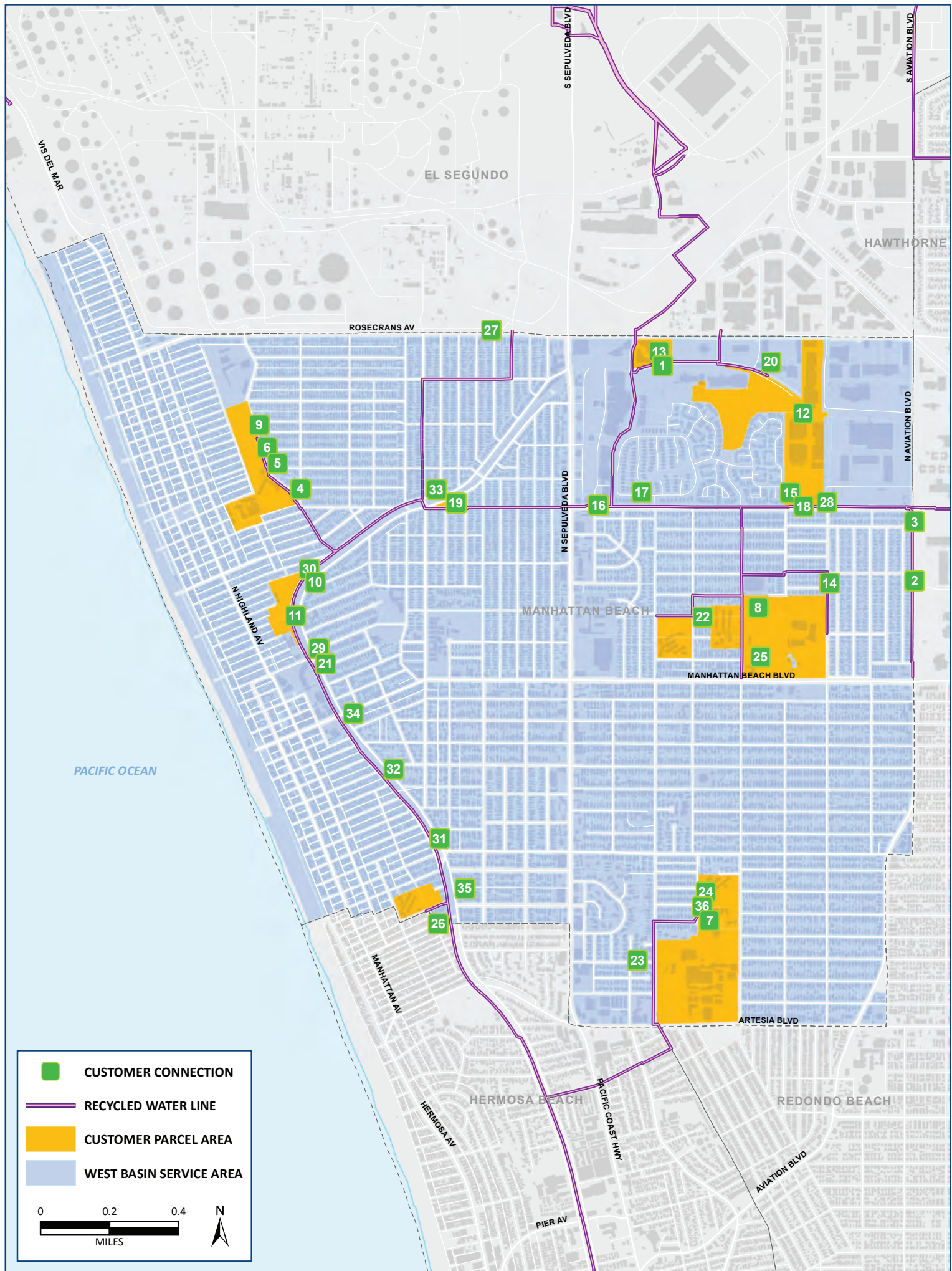
FY 2015-16 Recycled Water Sales



1	1230 Rosecrans	2.7	19	Marine Triangle Median	0.7
2	1508 Aviation	0.2	20	Marriott Golf	51.2
3	2202 Aviation	0.2	21	MB Fire & Police Landscape	3.2
4	2511 Bell Ave., (Grand View/Ladera)	3.0	22	Meadows Elementary School	5.5
5	2632 Bell Ave. E, (Grand View/Ladera)	4.4	23	Mira Costa High School	23.8
6	2632 Bell Ave. W, (Grand View/Ladera)	0.7	24	Pennekamp Elementary School	8.0
7	325 S. Peck	4.4	25	Polliwog Park	32.6
8	Begg Elementary School	7.2	26	Robinson Elementary School	6.2
9	Bell Ave. S. of Park	6.9	27	Rosecrans Medians @ Pine	0.7
10	Dorsey Field	6.7	28	Sports Park	15.5
11	Live Oak Park	1.9	29	Valley/Ardmore Greenbelt @ 15Th St.	2.1
12	Manhattan Studios	15.2	30	Valley/Ardmore Greenbelt @ 19Th St.	13.4
13	Manhattan Village Park	3.0	31	Valley/Ardmore Greenbelt @ 2nd	5.6
14	Mar Brad Middle School - La Marina Field	14.2	32	Valley/Ardmore Greenbelt @ 8Th St.	3.5
15	Marine & Herrin Median	1.2	33	Valley/Ardmore Greenbelt @ Ardmore	10.2
16	Marine & Sepulveda Median	-	34	Valley/Ardmore Greenbelt @ M.B.B.S.E.	4.5
17	Marine Avenue Median	3.0	35	Valley/Ardmore Greenbelt @ S. of Homer	-
18	Marine Avenue Park	18.5	36	Voorhees Sump	0.1

Total 279.9

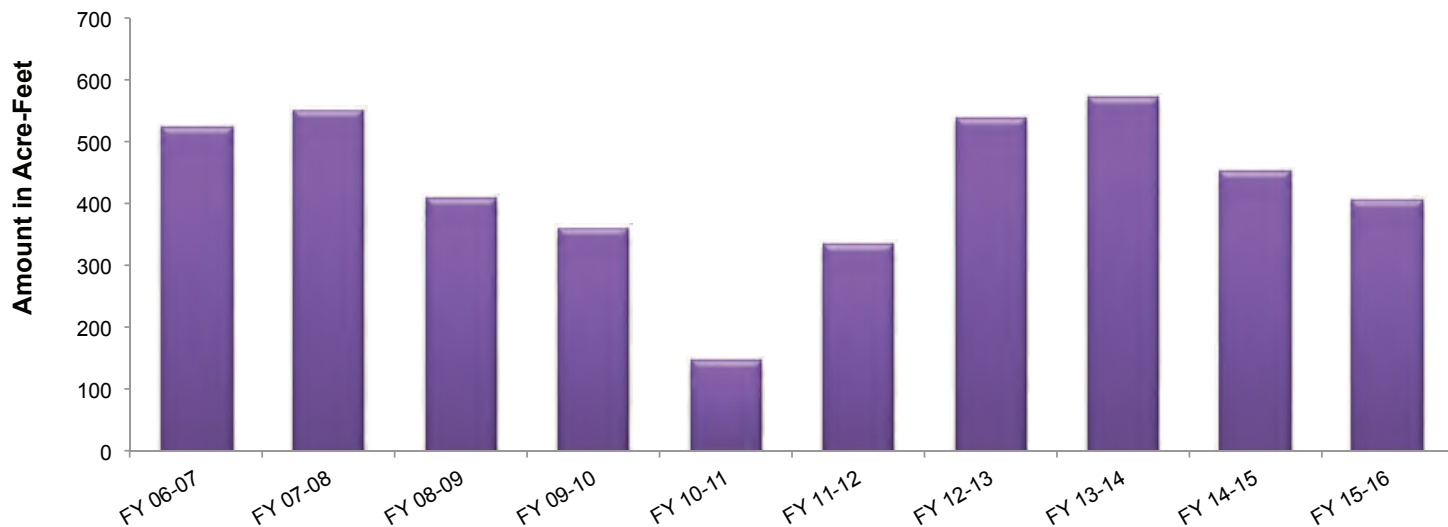
The map on the following page corresponds to the numbers listed in the left column in the table above.



Golden State Water Company

1600 W. Redondo Beach Blvd., #101, Carson, CA 90746-1296

FY 2015-16 Recycled Water Sales

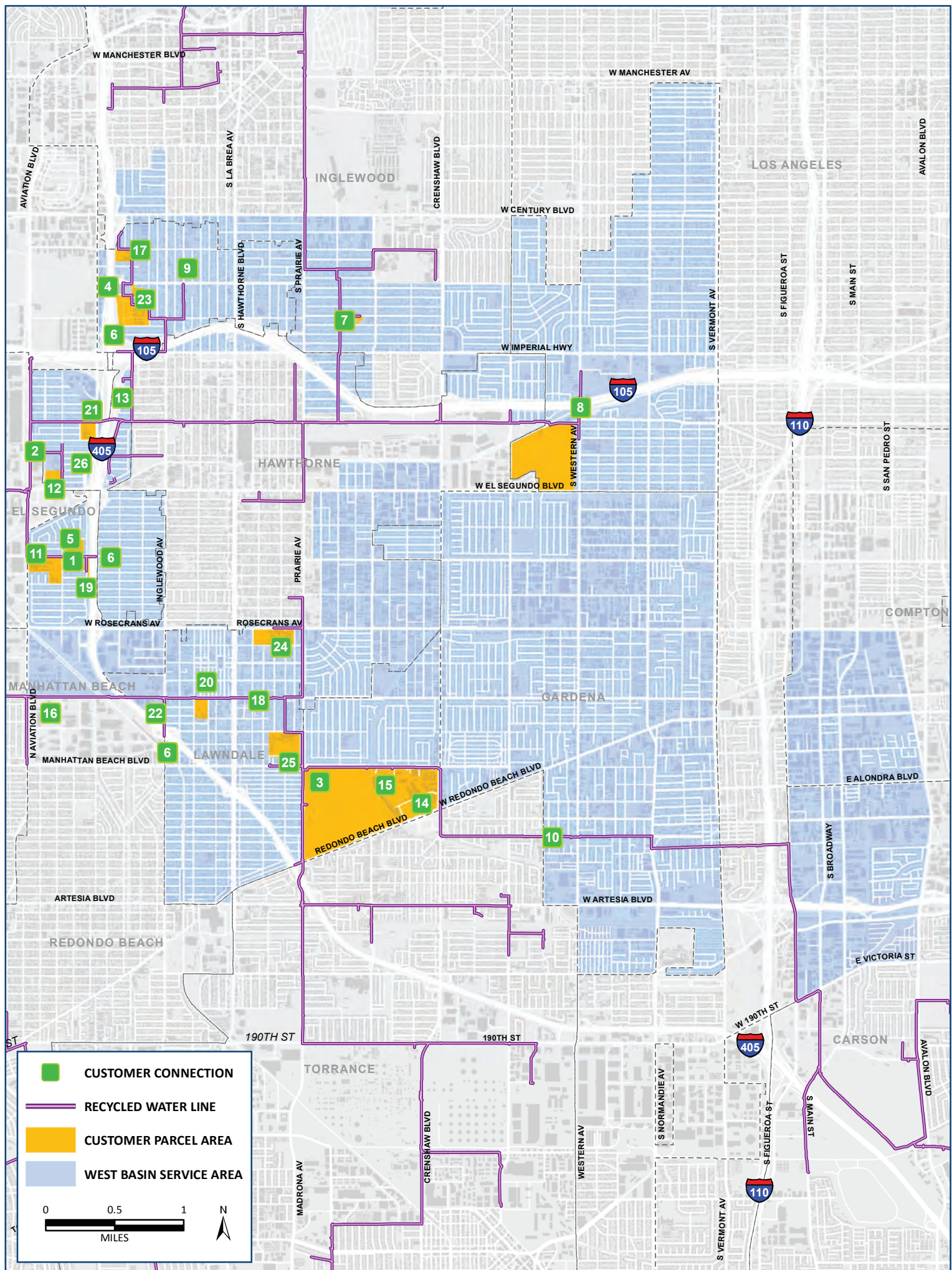


1	13500 Glasgow	16.0	14	Del Taco DT895	0.2
2	Aerospace Corp	6.6	15	El Camino College	13.0
3	Alondra Park (West)	19.8	16	Federal Building - Hawthorne	5.7
4	Buford Elementary School	4.3	17	Felton Elementary School	-
5	Cabrillo Elementary School	6.8	18	Hawthorne Blvd/Marine	20.5
6	Caltrans*	1.3	19	Holly Glen Park	2.5
7	Center Park	5.5	20	Jane Addams Park	9.8
8	Chester Washington Golf Course	155.1	21	Juan De Anza Elementary School	3.6
9	Condon Park (Lennox Park)	7.1	22	Lawndale Union High School District Office	26.4
10	Crenshaw Lumber	0.3	23	Lennox Middle School	25.1
11	Dana-Burnett Elementary School	13.2	24	Leuzinger High School	21.5
12	Del Air Park	11.1	25	Rogers Anderson Park	22.8
13	Del Aire Assembly of God	1.2	26	Sepulveda Elementary School	6.4

Total 405.4

* This data reflects the total for multiple meter connections.

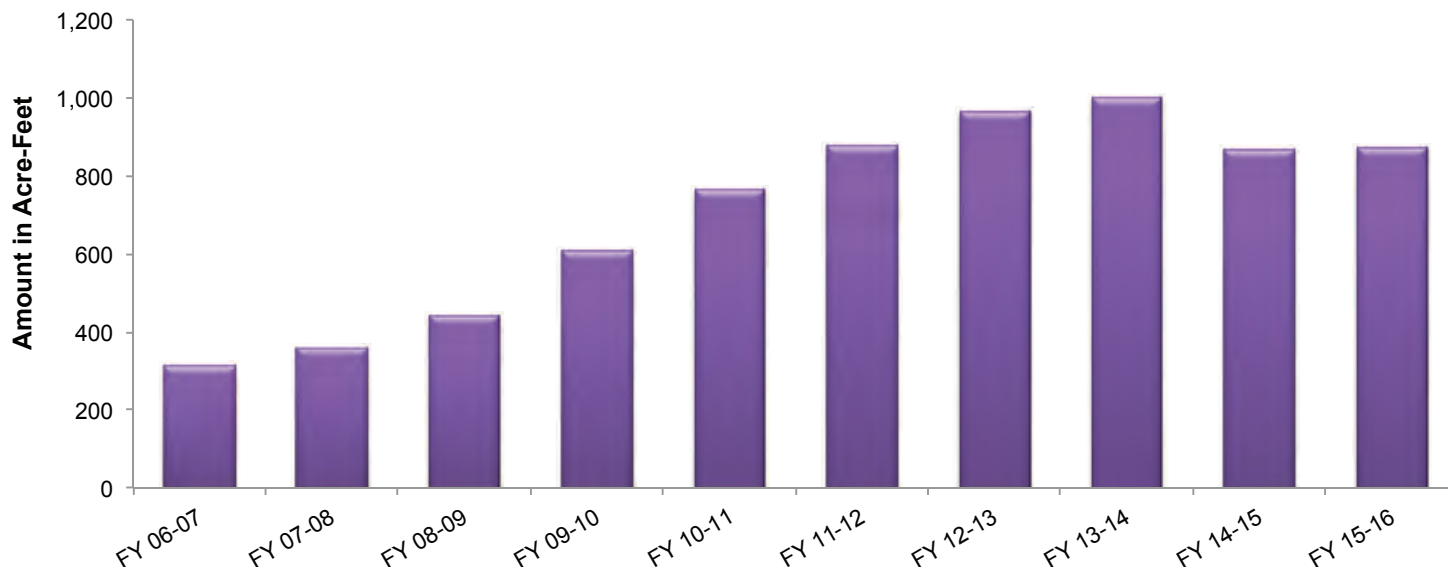
The map on the following page corresponds to the numbers listed in the left column in the table above.



Los Angeles Department of Water and Power

111 N. Hope St., Los Angeles, CA 90012

FY 2015-16 Recycled Water Sales



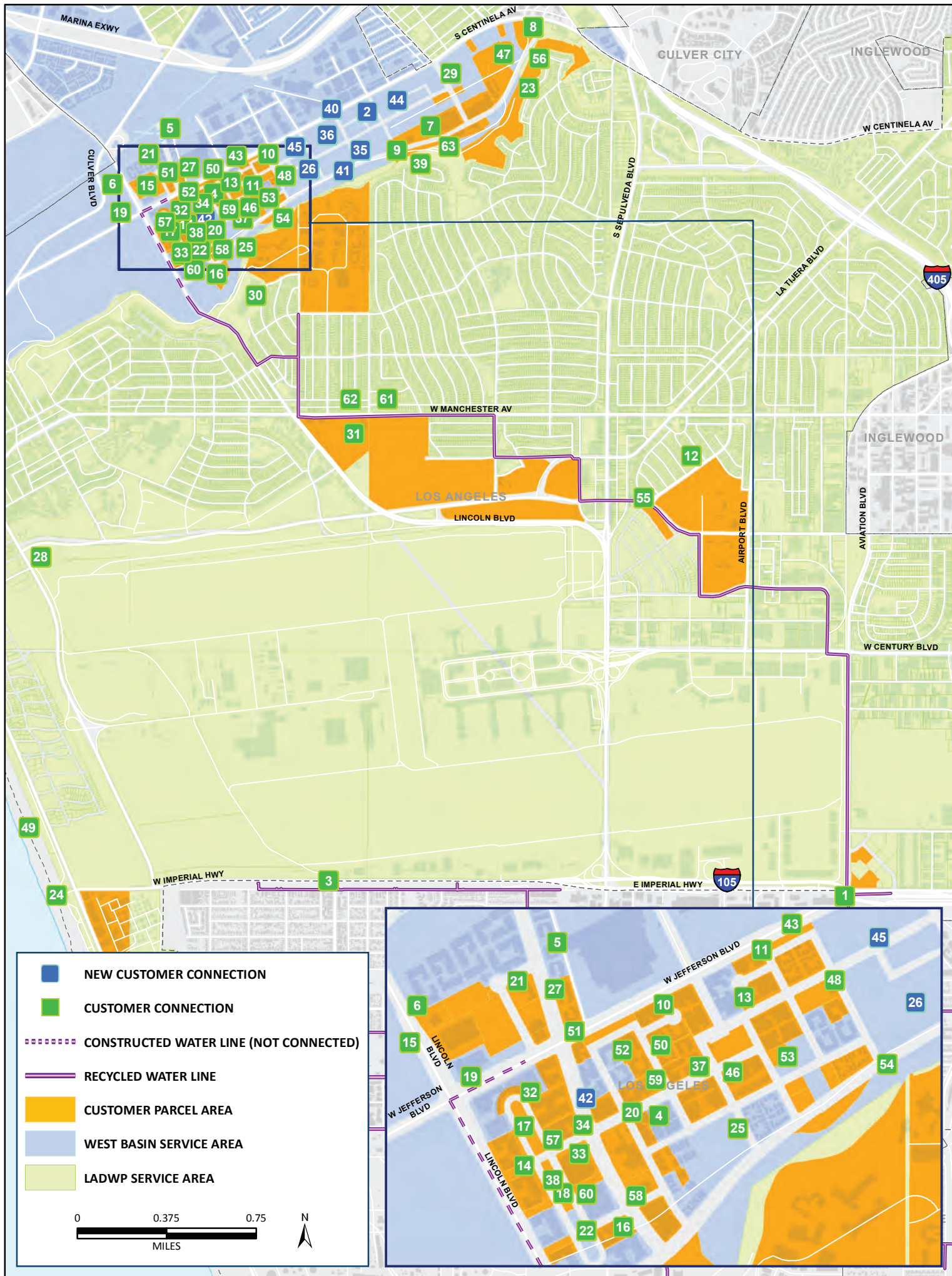
1	11310 Aviation Blvd.	4.1	22	Finvest Playa *	6.0	43	Playa Vista Parks *	68.3
2	12760 W Millenium **	0.5	23	Horizon PH I Office Holdings	4.2	44	POC #2 **	0.3
3	7055 Imperial Hwy - a	24.0	24	Hyperion Treatment Plant	96.8	45	POC #4 **	0.1
4	Avalon Maintenance	0.9	25	JLH Realty Constr *	5.2	46	Promenade at Playa	1.9
5	Bridgeway Mills HOA *	5.5	26	KB Home Coastal **	0.6	47	PV Campus Parcel 3 *	22.7
6	CAL TRANS	0.1	27	LA City Bureau Pub Bldgs *	0.5	48	Runway Lofts Venture LLC	1.0
7	Campus at Playa -A	11.1	28	LAX *	137.7	49	Scattergood *	0.7
8	Campus at Playa Parcel 8	-	29	Lincoln ASB - Playa Vista *	0.3	50	Serenade Community Assoc.	4.4
9	Campus at Playa Vista	9.1	30	Loyola Marymount University *	142.8	51	Sunrise Playa Vista Senior	1.8
10	Capri Court HOA *	2.7	31	Maintenance - Manchester *	0.3	52	Tapestry Maint. *	4.5
11	Carabella Community	4.0	32	Metro Condo Assoc.	2.1	53	Tempo Comm. Ctr.	2.6
12	Carl Neilson Youth Park	15.1	33	Off-Crescent	0.7	54	The Lee Group	1.2
13	Catalina Maintenance Corp.	3.4	34	Paraiso	1.4	55	The Parking Spot	0.5
14	Chatelaine	0.5	35	Park Lot 39 **	4.5	56	The Ratkovich Company	3.2
15	Coldwell Banker	0.9	36	Park Lot 7 **	3.2	57	Villa D'Este Corp.	0.8
16	Coronado Maintenance Corp.	1.1	37	PH & L Community *	1.1	58	Villa Savona Maint Corp.	0.6
17	Crescent Park *	3.7	38	Playa Capital Co.*	21.5	59	Warmington PV	1.7
18	Crescent Walk at Playa	1.0	39	Playa Phase 1	5.6	60	Waterstone Condo Assoc.	0.9
19	Dreamworks Interactive *	8.5	40	Playa Villas Apt **	1.3	61	Westchester Golf Course	181.0
20	Esplanade Assoc.	1.6	41	Playa Vista **	0.2	62	Westchester Park	34.3
21	Essex Property Trust *	6.3	42	Playa Vista Median **	0.2	63	William J. Hoffman-Receiver	2.2

Total 874.5

* This data reflects the total for multiple meter connections.

** This is a new customer connection.

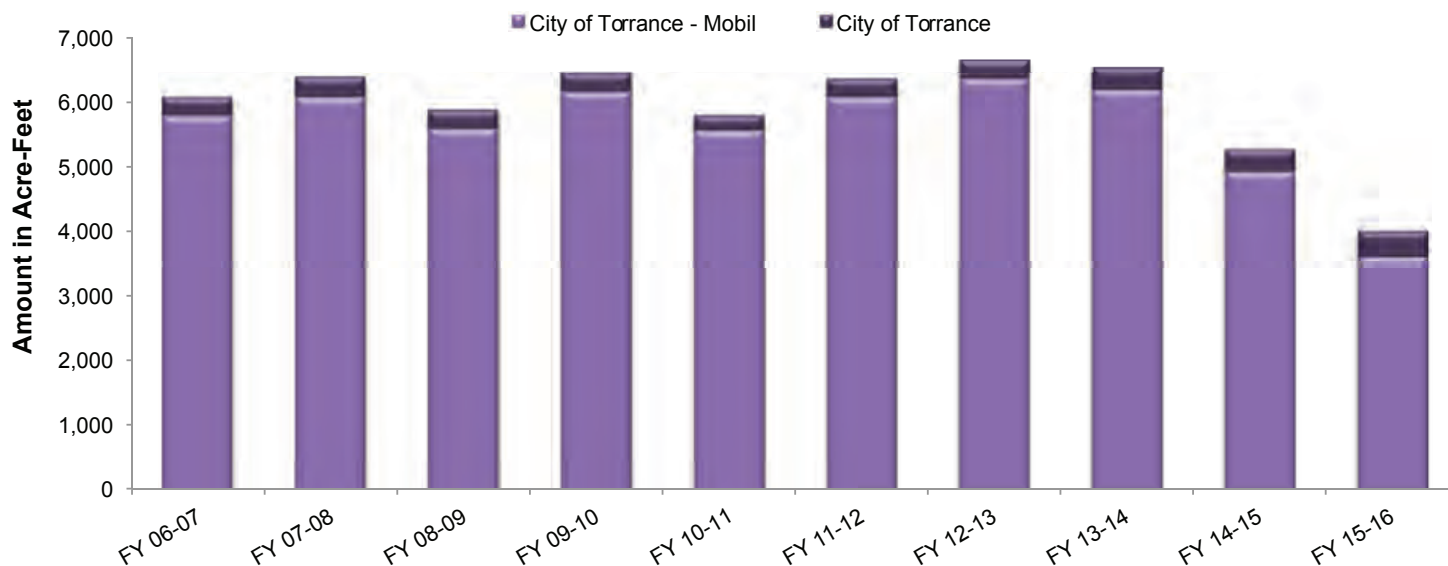
The map on the following page corresponds to the numbers listed in the left column in the table above.



Torrance and Mobil

20500 Madrona Ave., Torrance, CA 90503

FY 2015-16 Recycled Water Sales



City of Torrance

1	190th St. 3403-Median	-	12	Artesia Blvd / Van Ness	-	23	McMaster Park	3.5
2	American Honda-A	23.8	13	Artesia Blvd Median	1.4	24	Prairie Ave. @ 175th Place	-
3	American Honda-B	89.5	14	Casimir School	8.7	25	Prairie Ave. @ 175th Street	-
4	Anza Medians #3	0.4	15	Columbia Park	107.6	26	Prairie Ave. @ 190th Street	-
5	Anza Medians #4	0.6	16	Descanso Park	4.3	27	Prairie Ave. @ Artesia Blvd.	0.1
6	Anza Medians #5	-	17	Exxon Fire	-	28	Pueblo Park **	1.34
7	Anza Medians #6	0.4	18	Falda Ave	0.1	29	Seaside Heroes Park	1.5
8	Anza Medians #7	0.1	19	Guenser Park	53.0	30	Torrance Business Center	5.9
9	Arlington School	7.9	20	Kobata Growers	7.7	31	Toyota Motor Sales	60.8
10	Artesia Blvd / Kornblum	1.8	21	La Paloma Park	-			
11	Artesia Blvd / Prairie	1.0	22	Magruder Middle School	8.5			

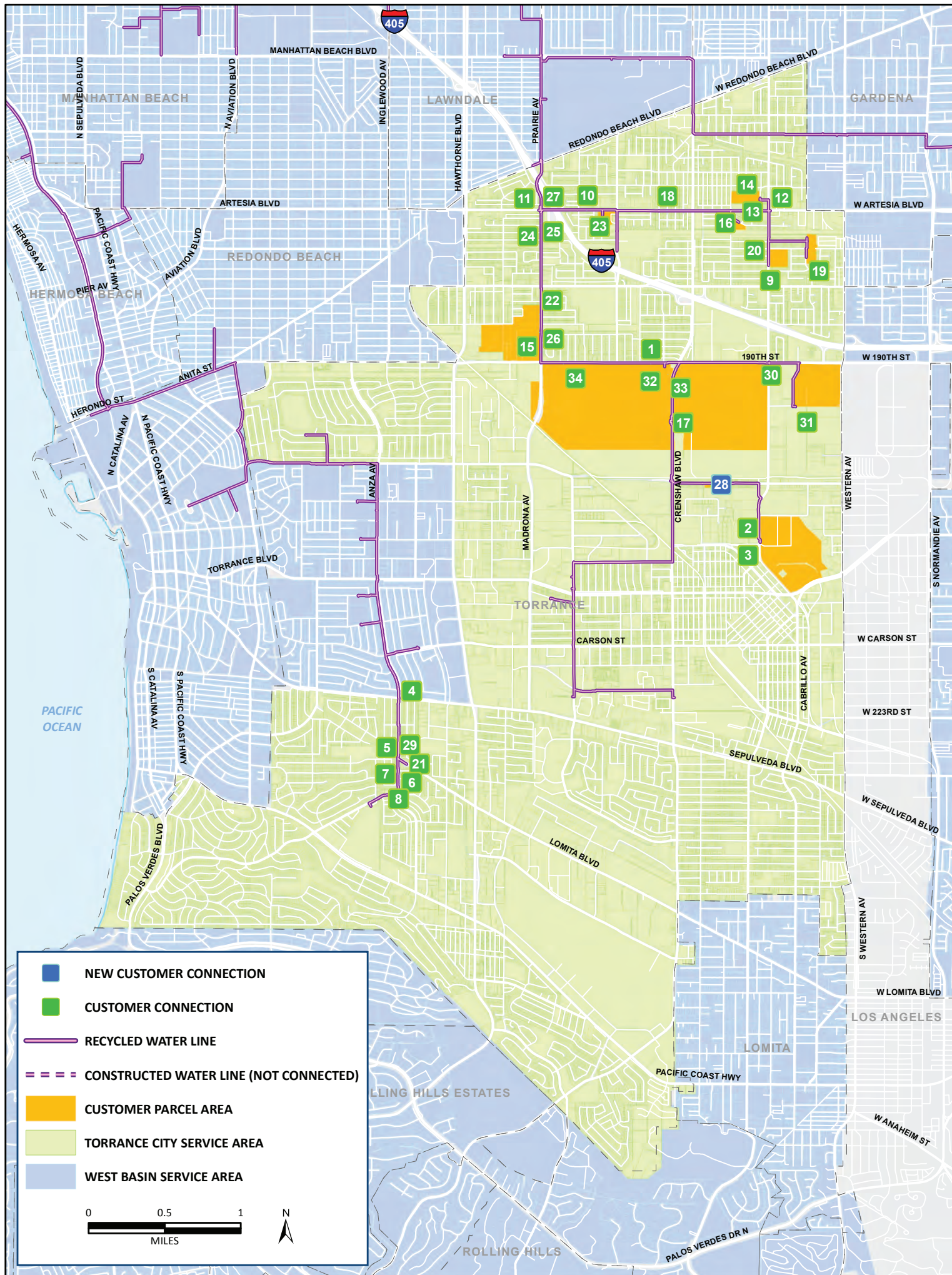
Total 389.7

** 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 - Mobil

32	Mobil Boiler Feed	1,782.2	33	Mobil Cooling Towers	1,814.2	34	Mobil Irrigation	26.2
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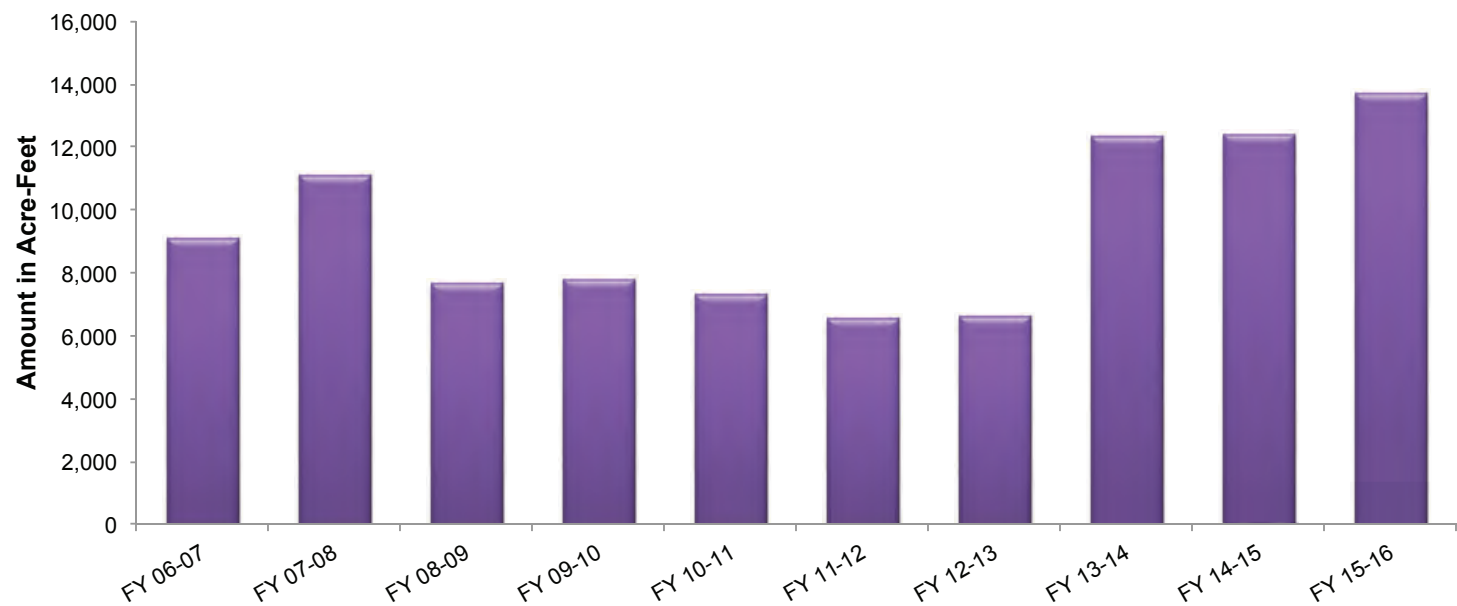
Total 3,622.6



Water Replenishment District of Southern California

4040 Paramount Blvd., Lakewood, CA 90712

FY 2015-16 Recycled Water Sales



1 West Coast Barrier	13,676.5
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The background of the slide is a deep blue color with a pattern of numerous small, white, circular bubbles of varying sizes, some of which are slightly out of focus, giving a sense of depth. A white, geometric shape, resembling a stylized arrow or a corner cut, points towards the right and is positioned in the upper left quadrant of the slide. The word "RATES" is written in a bold, white, sans-serif font in the upper right corner.

RATES

FY 2016-17 WATER RATES AND CHARGES

Rates Effective July 1, 2016 to December 31, 2016

	MWD Commodity	MWD RTS	Reliability Svc Charge	Total
Non-Interruptible Retail & Barrier (Tier 1)	\$942/AF	\$118/AF	\$223/AF	\$1,283/AF
Non-Interruptible Retail & Barrier (Tier 2)	\$1,076/AF	\$118/AF	\$223/AF	\$1,417/AF

Rates Effective January 1, 2017

	MWD Commodity	MWD RTS	Reliability Svc Charge	Total
Non-Interruptible Retail & Barrier (Tier 1)	\$979/AF	\$116/AF	\$223/AF	\$1,318/AF
Non-Interruptible Retail & Barrier (Tier 2)	\$1,073/AF	\$116/AF	\$223/AF	\$1,412/AF

MWD Non-Interruptible Commodity Rate

Effective Dates

	<u>1/1/16</u>	<u>1/1/17</u>
Supply Rate Tier 1	\$156	\$201
Supply Rate Tier 2	\$290	\$295
System Access Rate	\$259	\$289
Water Stewardship Rate	\$41	\$52
Treatment Rate	\$348	\$313
Power Rate	<u>\$138</u>	<u>\$124</u>
Total Tier 1	\$942	\$979
Total Tier 2	\$1,076	\$1,073

Capacity Charge

Designated Amount ⁽¹⁾

Effective Jul 1 to Dec 31, 2016 Effective Jan 1, 2017

\$8,500/cfs

\$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, 2016 ⁽²⁾

WBMWD Water Service Charge

\$61/cfs

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

WBMWD Recycled Water Rates

(Effective July 1, 2016)

Volume (AF/Month)	WBMWD Service Area	West Coast Barrier (<4,500 AF)	West Coast Barrier (4,500+ AF)	Low Pressure Boiler Feed	Nitrified	High Pressure Boiler Feed	Outside Service Area
0-25	\$1,069/AF	\$1,219/AF	\$618/AF	\$1,297/AF	\$1,049/AF	\$1,653/AF	\$1,111/AF
25-50	\$1,059/AF	\$1,219/AF	\$618/AF	\$1,297/AF	\$1,049/AF	\$1,653/AF	\$1,101/AF
50-100	\$1,049/AF	\$1,219/AF	\$618/AF	\$1,297/AF	\$1,049/AF	\$1,653/AF	\$1,091/AF
100-200	\$1,039/AF	\$1,219/AF	\$618/AF	\$1,297/AF	\$1,049/AF	\$1,653/AF	\$1,081/AF
200+	\$1,029/AF	\$1,219/AF	\$618/AF	\$1,297/AF	\$1,049/AF	\$1,653/AF	\$1,071/AF



CONTACT INFORMATION

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Assistant General Manager	Shivaji Deshmukh 310.660.6234
Associate General Manager.....	Fernando Paludi 310.660.6214

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Finance/Billing	Margaret Moggia..... 310.660.6256
Human Resources	Michelle Green 310.660.6228
Operations / Recycled Water	Christiana Daisy..... 310.660.6233
Planning / Water Resources.....	Fernando Paludi 310.660.6214
Public Information	Amy Rocha 310.660.6218
Technical Resources.....	Eric Owens 310.660.6223