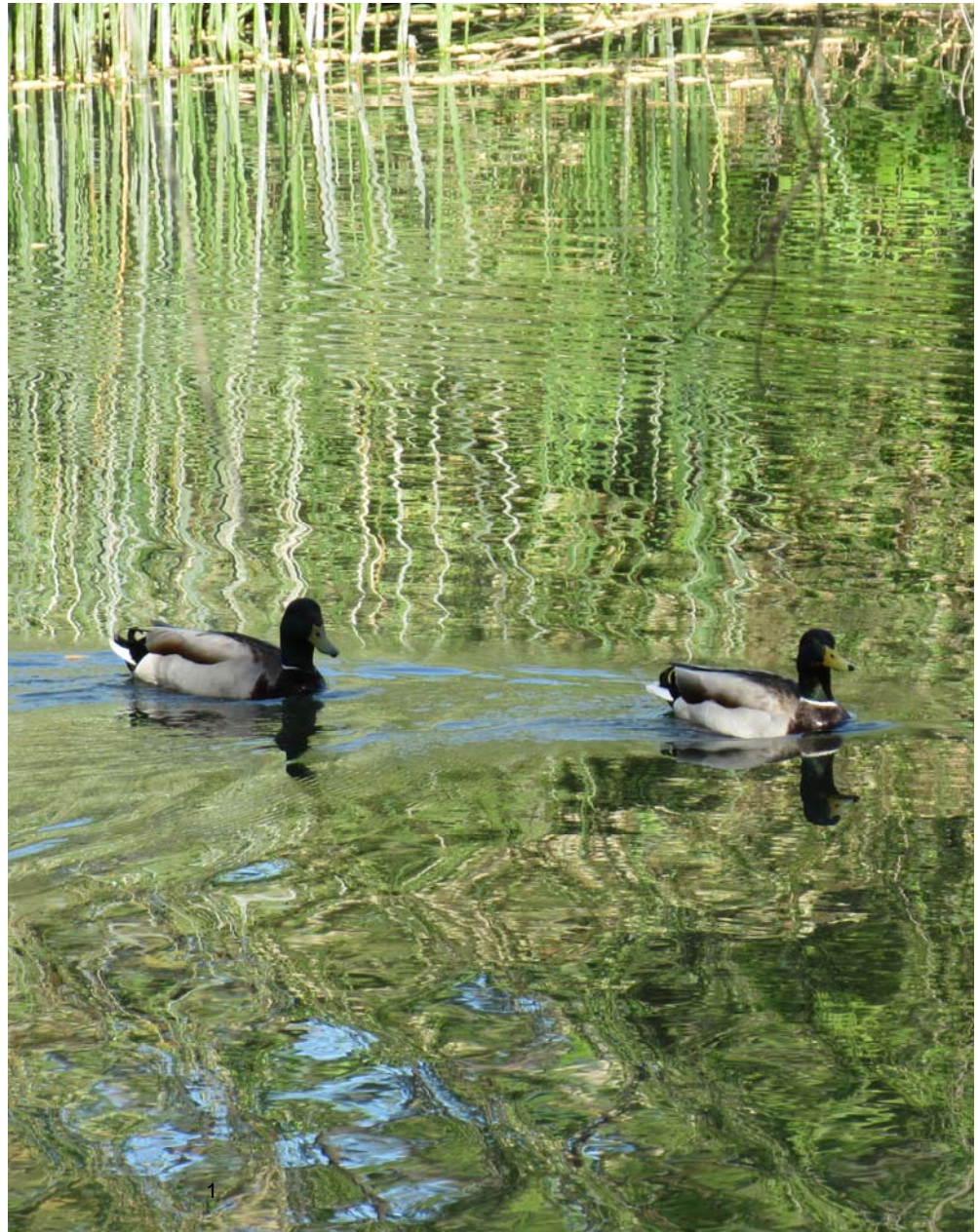


2017

# IEUA FY 2016-2017 Annual Water Use Report:

## Retail Agency Water Use and Five Year History



*Inland Empire Utilities Agency*  
A MUNICIPAL WATER DISTRICT

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## Preface

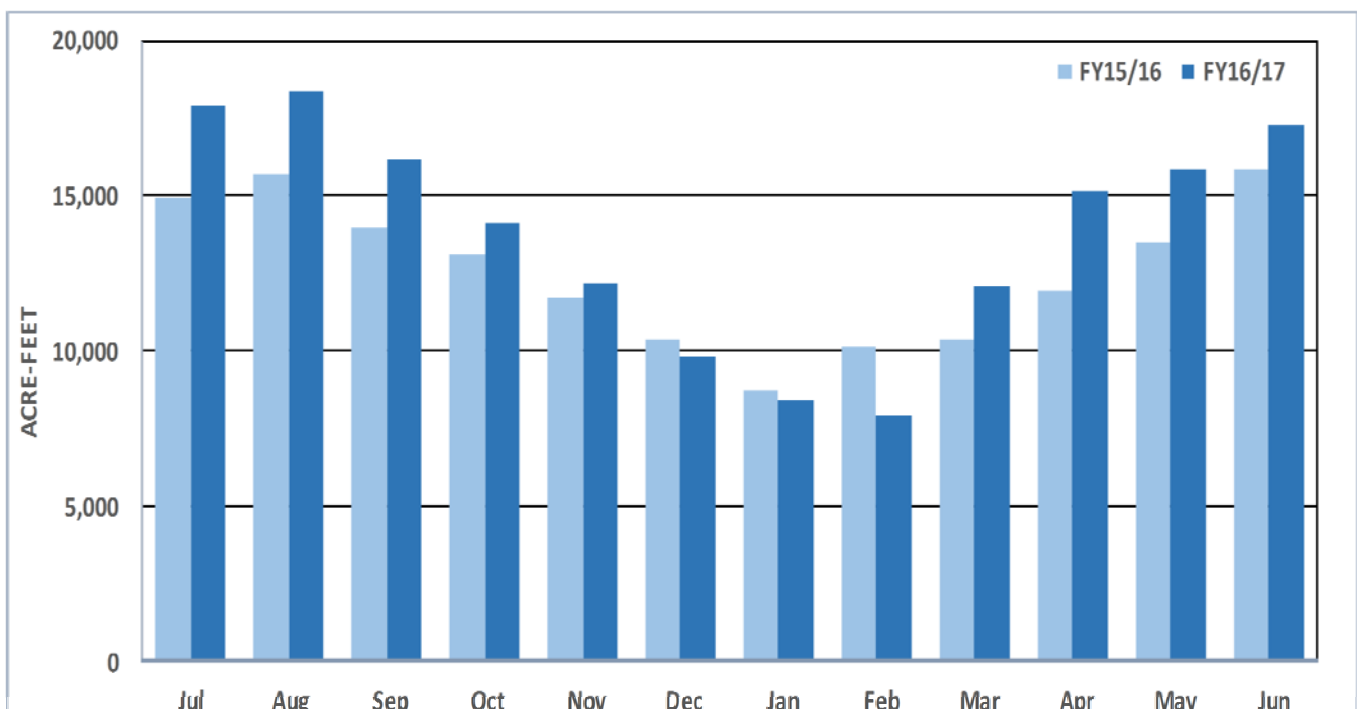
### FY 2016-17 Water Use Summary Report

Inland Empire Utilities Agency (IEUA) monitors and compiles water use data from each of its retail agencies to track overall water demands and sources of supply. Each year, this data is compiled into an Annual Water Use Report. Data includes monthly water use by member agency and by source of supply, a five-year history of water use, and retail agency water usage as a percentage of the total water used in the service area.

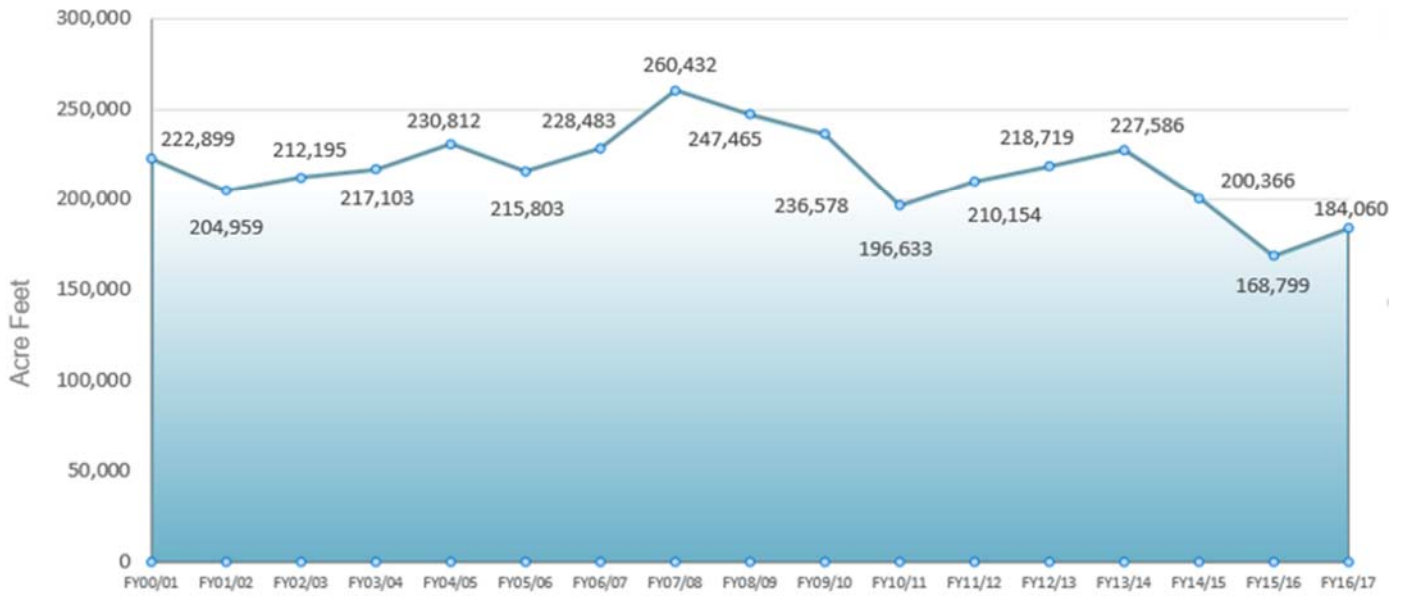
Following unprecedented water conservation and plentiful winter rain and snow, Governor Brown ended the drought state of emergency in April 2017. The drought, which lasted from winter 2012 through 2016, included the driest four-year statewide precipitation on record combined with the lowest snowpack on record in the Sierra-Cascades, and extraordinarily high temperatures (2014, 2015 and 2016 were California's first, second and third warmest year in terms of statewide average temperatures). Monthly water reporting requirements and prohibitions on wasteful practices, such as watering during or right after rainfall, that were established during the multi-year drought have continued to be in effect. Initiatives to "Make Conservation a California Way of Life" by establishing water use targets and eliminating water waste are under debate.

Total water consumption within IEUA's service area for FY 16/17 is 184,060 AF. This is a 9% increase (15,261 AF) from FY 2015/16, however the region is still using approximately 20% less water than in FY 13/14. This increase is primarily the result of a 33% increase in imported water purchases

### Regional Monthly Total Water Usage FY 16/17 Comparison to FY15/16



## IEUA Member Agency Overall Total Water Use Trend

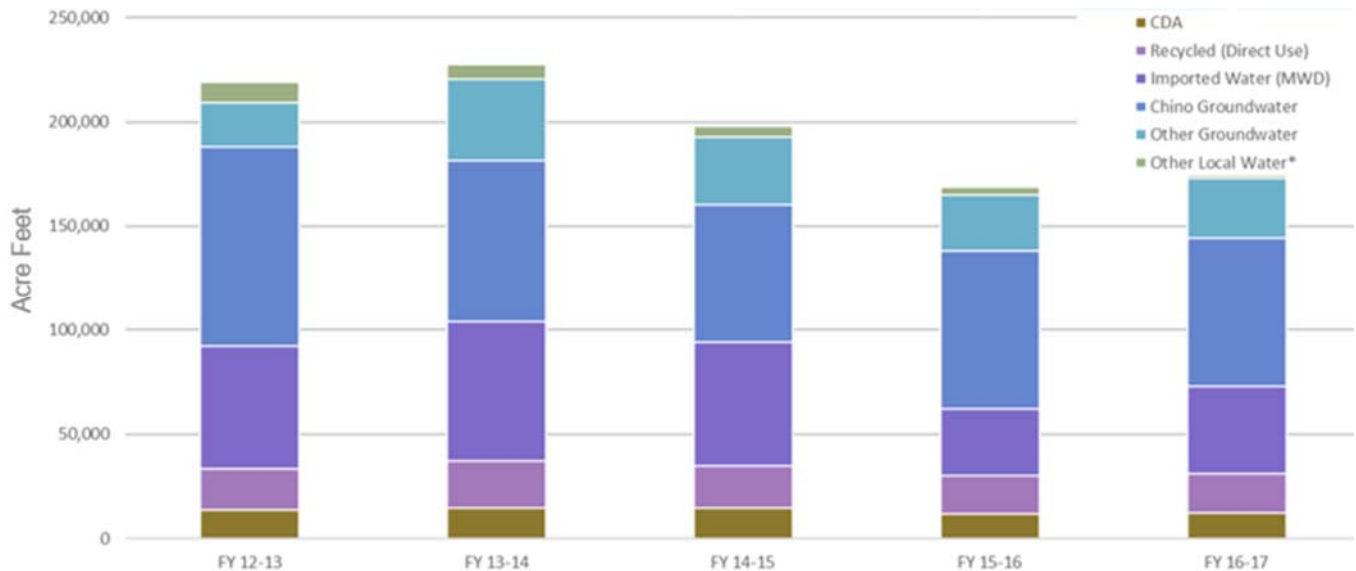


Note: Total Water Use Data includes imported water, surface water, groundwater, recycled and desalter production. Excludes IEUA groundwater recharge

as a result of the MWD Water Supply Allocation being lifted, and an increased availability of local surface water supplies due to increased rainfall. Overall imported water purchases are still 63% below purchases in FY 13/14. Groundwater extraction has remained relatively constant, with a slight (7%) reduction in extraction from the Chino Groundwater Basin.

IEUA anticipates a slight trend of increasing usage as a response to high temperatures and the end of

## Regional Water Use Trend by Source



\*Other Local Water includes purchases from local water companies such as SAWCo and WECWC

the drought. However, although development is anticipated to continue and growth may rebound at the end of the drought, long-term demands are not expected to greatly increase. This analysis came from demand modeling conducted as part of IEUA's 2015 Integrated Resources Plan (IRP) and Urban Water Management Plan (UWMP) which found that new developments in the region tend to be more water efficient due to changes in the plumbing code, higher density developments with less landscaping, and compliance with the existing model landscape ordinance requirements set forth in AB1881. It should also be noted that water usage has remained below projections made in the IRP and UWMP as a result of the drought.

In addition, the region is continuing to diversify and maximize local resource development, expand water use efficiency programs, and assist interested member agencies with the development of budget based rate structures. These efforts will continue to prepare the service area to cope with future dry years and increase regional resiliency in the face of climate change.

Below is a summary and update on the region's major water supply efforts and programs:

- IEUA has completed the Facilities Master Plan Final Programmatic Environmental Impact Report, which includes conceptual regional water supply projects from the IRP.
- IRP Phase II is underway and has compiled over 200 water supply projects from member agencies. These projects will be used to conduct a gap-assessment of the portfolios modeled during Phase I, and develop an implementation schedule, and financial plan. Phase II also included the development of a regional water supply schematic that may be used to identify infrastructure constraints, discuss potential improvements, and assess how programs such as water banking and SARCCUP would work.
- Construction of the Wineville Recycled Water Pipeline has been completed and begun service the city of Fontana. Total direct recycled water deliveries to member agencies have slightly increased from 18,336 AF in FY15/16 to 18,703 AF in FY16/17. Additional details about the recycled water program are available in the IEUA FY 2016-2017 Recycled Water Annual Report.
- IEUA launched a Home Pressure Regulation Program in June which will reach out to 500 residential sites and correct high pressure problems by either making adjustments or installing a new regulator. In FY16/17 the program had 141 participants.
- IEUA is continuing to work with the Agricultural Pool to identify appropriate farm sites for water efficiency upgrades. This will help maintain a sustainable Chino Basin groundwater supply.
- IEUA and its member agencies are working towards completing the Phase III expansion of the Chino Desalters. In June 2016, IEUA received \$7.2 million in support of this project. The expansion is expected to create an additional 10,6000 AF of water per year. In FY16/17 IEUA agency's share of the production was 12,292 AF.

- IEUA and its member agencies continue to implement the water use efficiency programs outlined in the 2015-2020 Regional Water Use Efficiency Business Plan completed in June 2016. This document serves as the blueprint for the Agency's existing regional programs while providing the guidance for developing new cost-effective initiatives. Future conservation targets are set to achieve 16,095 AF savings in the next 5 years, with a lifetime savings of 31,226 AF. If two member agencies implement budget based rates these savings increase to 33,554 AF by 2020 with an estimated 147,836 AF lifetime savings. The cities of Chino and Chino Hills participated in SAWPA's budget-based rate (BRR) evaluation program. Chino is moving forwards with implementing BBR in FY 18/19. City of Chino Hills is doing a partial BBR using water use and parcel data to establish an efficiency metric. CVWD is currently participating in SAWPA's BBR evaluation program.

*IEUA would like to thank its member agencies for their assistance in compiling the data contained in this report.*

## **SECTION 1**

### **Total Water Resources Data from FY 16/17**

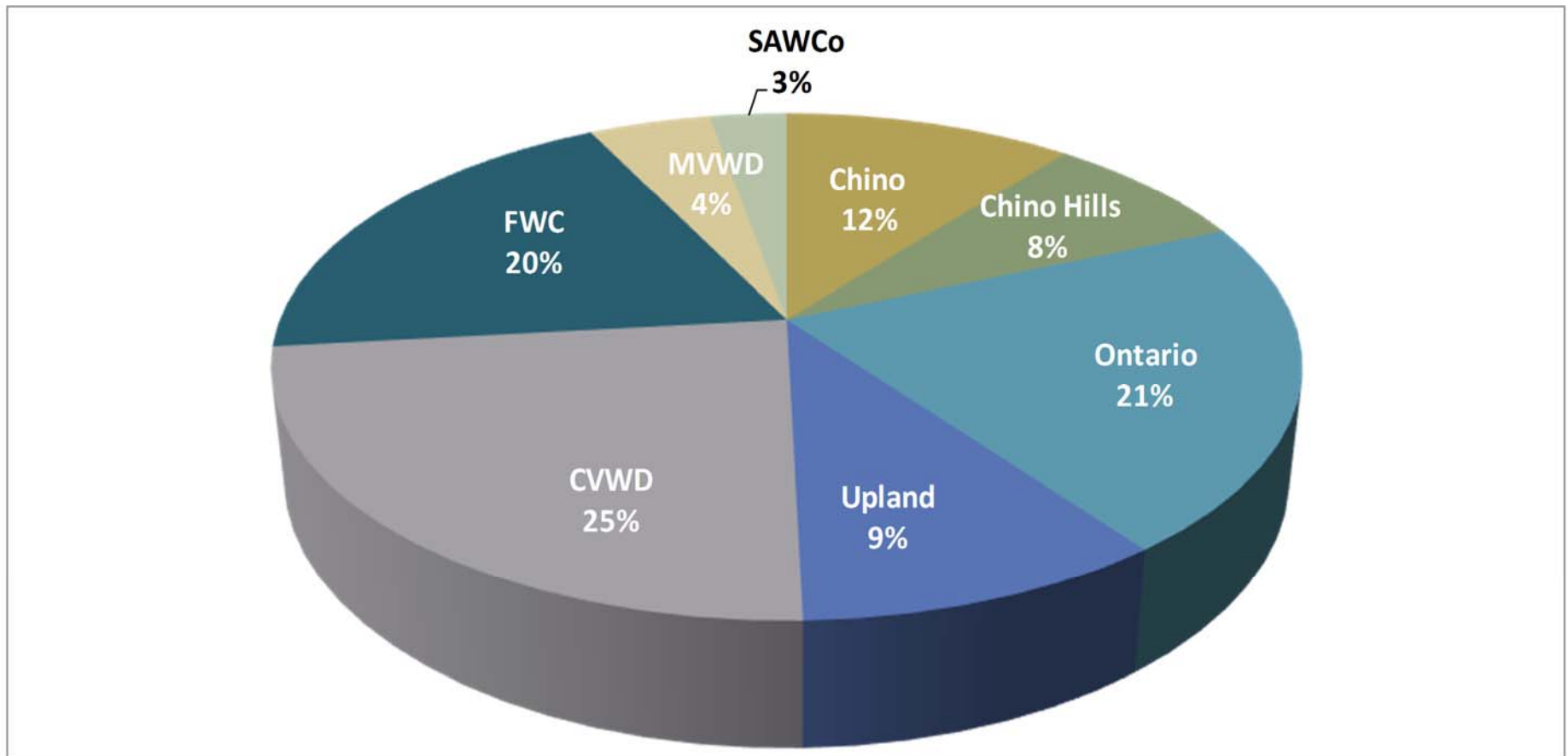


## Total IEUA Service Area Water Use For FY 16/17

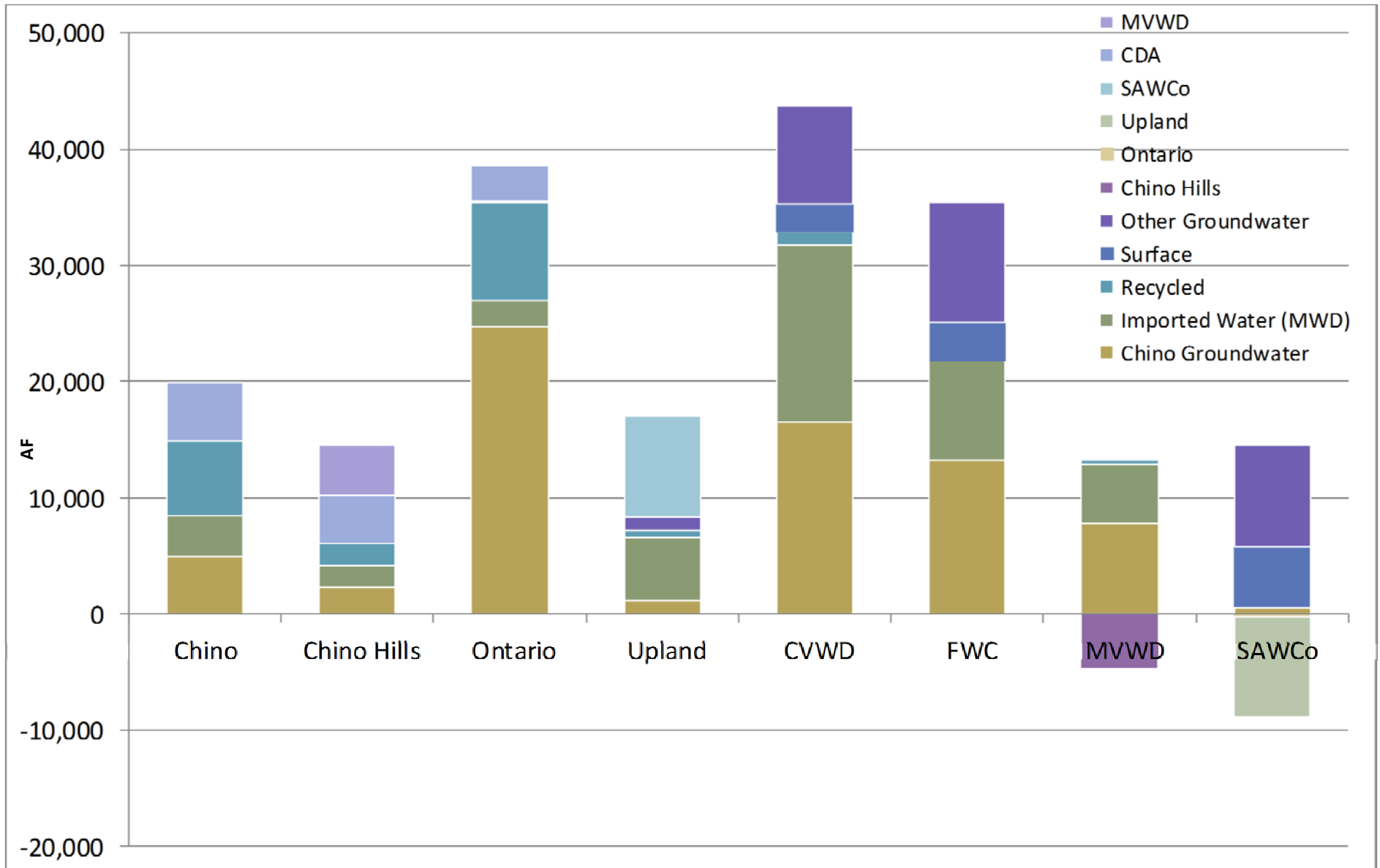
		Total IEUA Service Area Water Use by Retail Agency for FY 16-17 (AFY)								
		CHINO	CHINO HILLS	ONTARIO	UPLAND	CVWD	FWC	MVWD	SAWCo	TOTAL
<b>Purchases from IEUA</b>	Imported Water (MWD)	3,469	1,954	2,364	5,406	15,288	8,510	5,105	0	42,096
	Recycled (Direct Use)	6,447	1,838	8,352	652	1,056	52	306	0	18,703
<b>Subtotal</b>		<b>9,916</b>	<b>3,792</b>	<b>10,716</b>	<b>6,058</b>	<b>16,344</b>	<b>8,562</b>	<b>5,411</b>	<b>0</b>	<b>60,799</b>
<b>Production</b>	Chino Groundwater	4,972	2,245	24,672	1,259	16,549	13,251	7,786	537	71,272
	Other Groundwater	0	0	0	1,026	8,386	10,338	0	8,739	28,490
	Local Surface Water	0	0	0	0	2,448	3,230	0	5,282	10,960
<b>Subtotal</b>		<b>4,972</b>	<b>2,245</b>	<b>24,672</b>	<b>2,228</b>	<b>27,384</b>	<b>26,818</b>	<b>7,786</b>	<b>14,558</b>	<b>110,721</b>
<b>Purchases from Other Agencies</b>	CDA	5,008	4,206	3,077	0	0	0	0	0	12,292
	MVWD	0	4,237	0	0	0	0	0	0	4,237
	SAWCo Water	0	0	171	8,791	0	0	0	0	8,961
	West End	0	0	0	1,068	0	0	0	0	1,068
	CVWD	0	0	0	0	0	39	0	0	39
<b>Subtotal</b>		<b>5,008</b>	<b>8,444</b>	<b>3,248</b>	<b>9,858</b>	<b>0</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>26,597</b>
<b>Sales to Other Agencies*</b>	Chino Hills	0	0	0	0	0	0	-4,818	0	-4,818
	Ontario	0	0	0	0	0	0	0	-171	-171
	Upland	0	0	0	0	0	0	0	-8,791	-8,791
	MVWD	0	0	0	0	0	0	0	-278	-278
<b>Subtotal</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-4,818</b>	<b>-9,240</b>	<b>-14,058</b>
<b>Total</b>		<b>19,896</b>	<b>14,481</b>	<b>38,636</b>	<b>18,203</b>	<b>43,728</b>	<b>35,419</b>	<b>8,379</b>	<b>5,318</b>	<b>184,060</b>

Note: All recycled water numbers in this report are based off IEUA operations data and are for direct use only. Recycled water used for groundwater recharge may be found in the Recycled Water Report.

## Total IEUA Service Area Water Use For FY 16/17



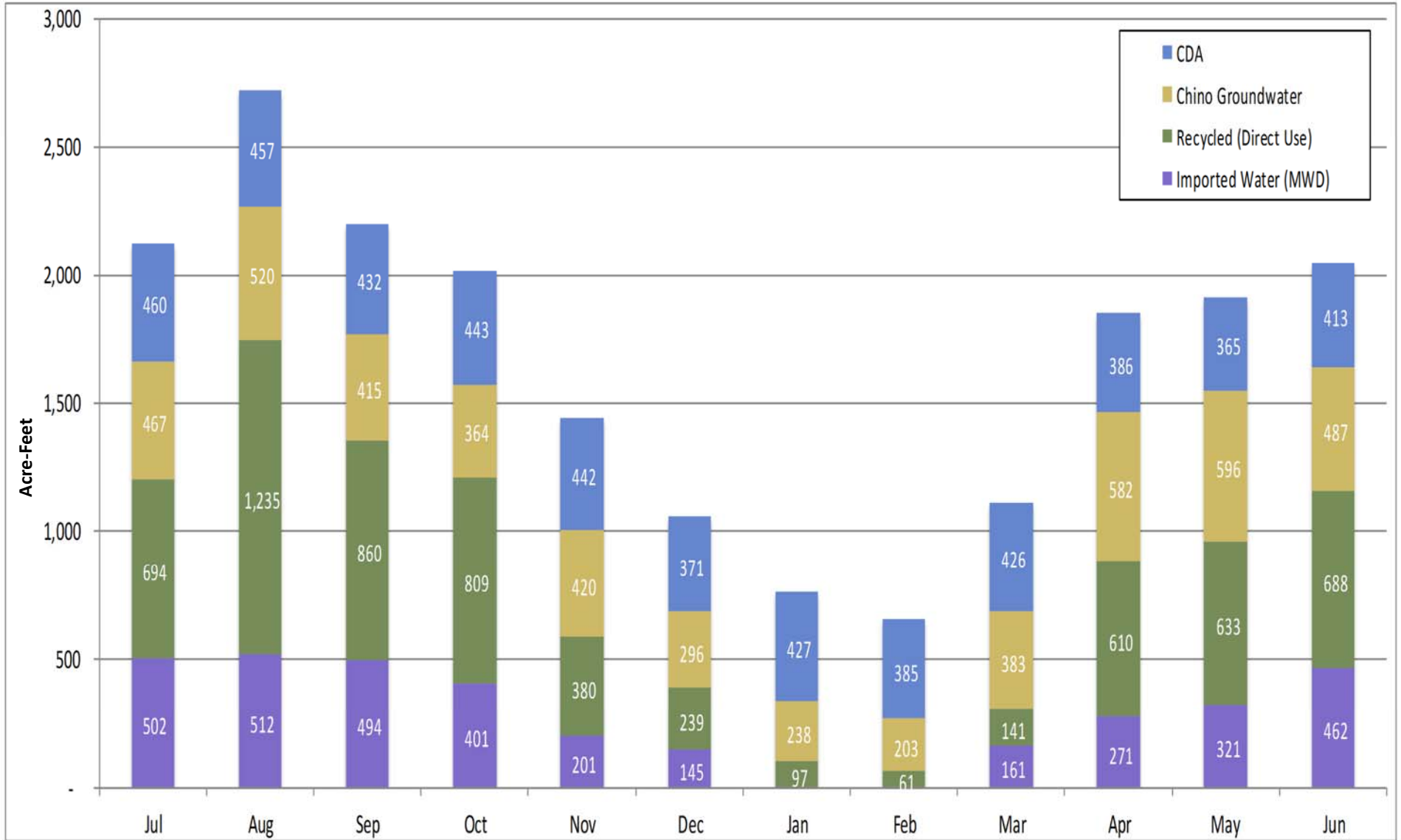
## Total IEUA Service Area Water Use For FY 16/17



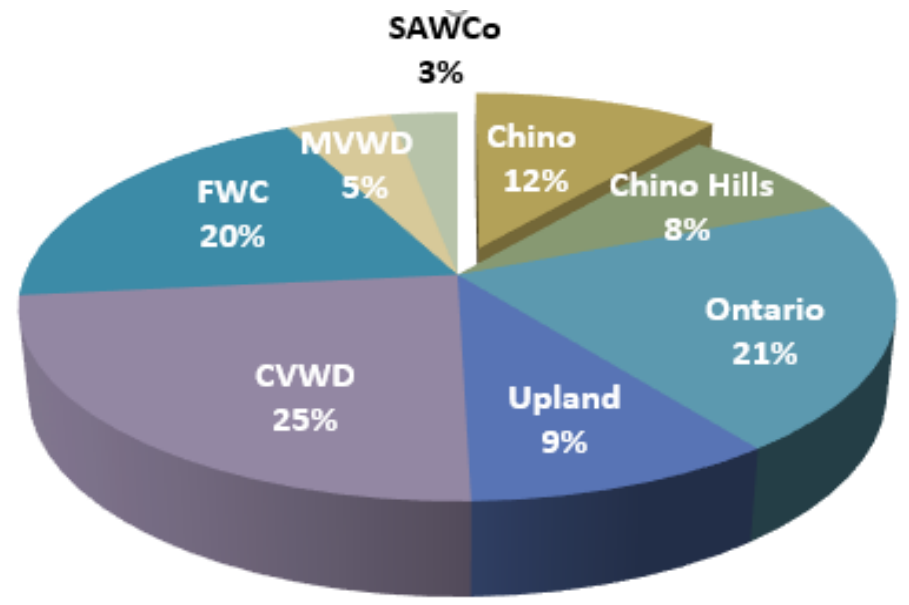
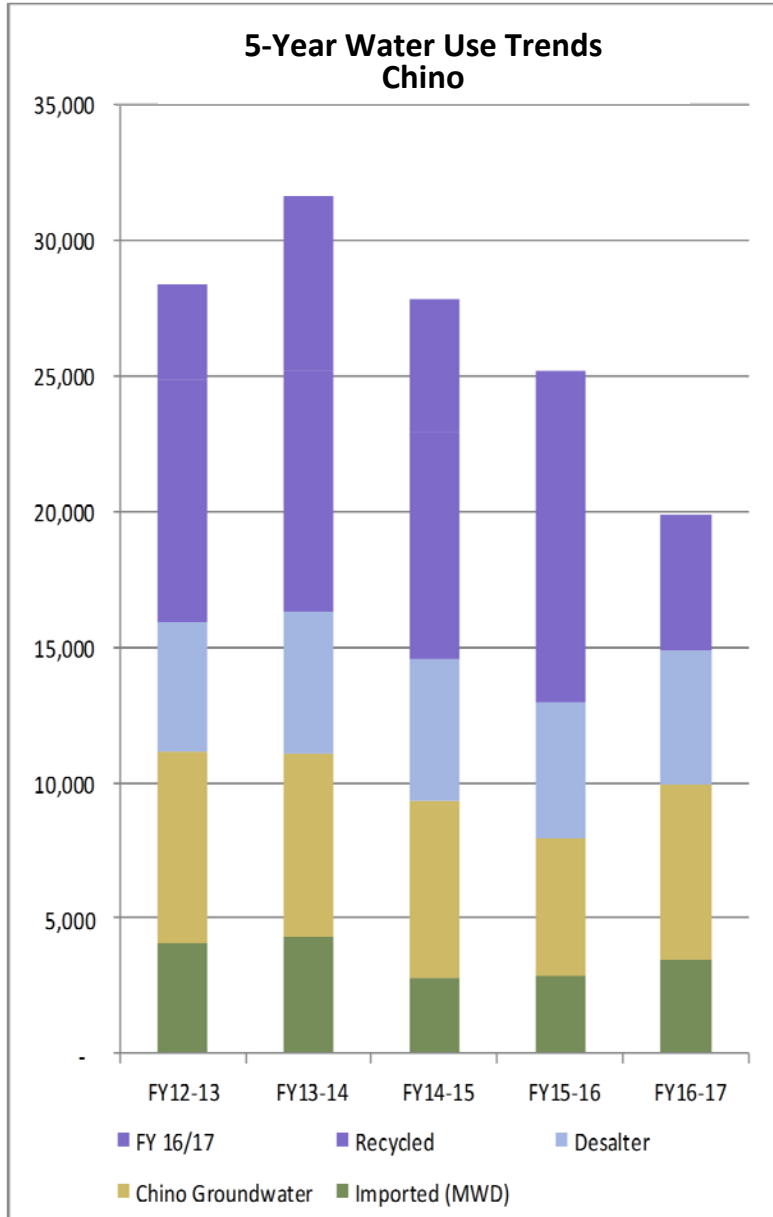
## **SECTION 2**

### **Retail Water Use Data from FY 16/17 by Agency**

## City of Chino FY 2016/17 Monthly Water Usage



# City of Chino FY 2016/17 Water Use Report



**In FY 2016/17, The City of Chino used 12% (19,896 AF) of 184,060 AF used in the IEUA service area.**

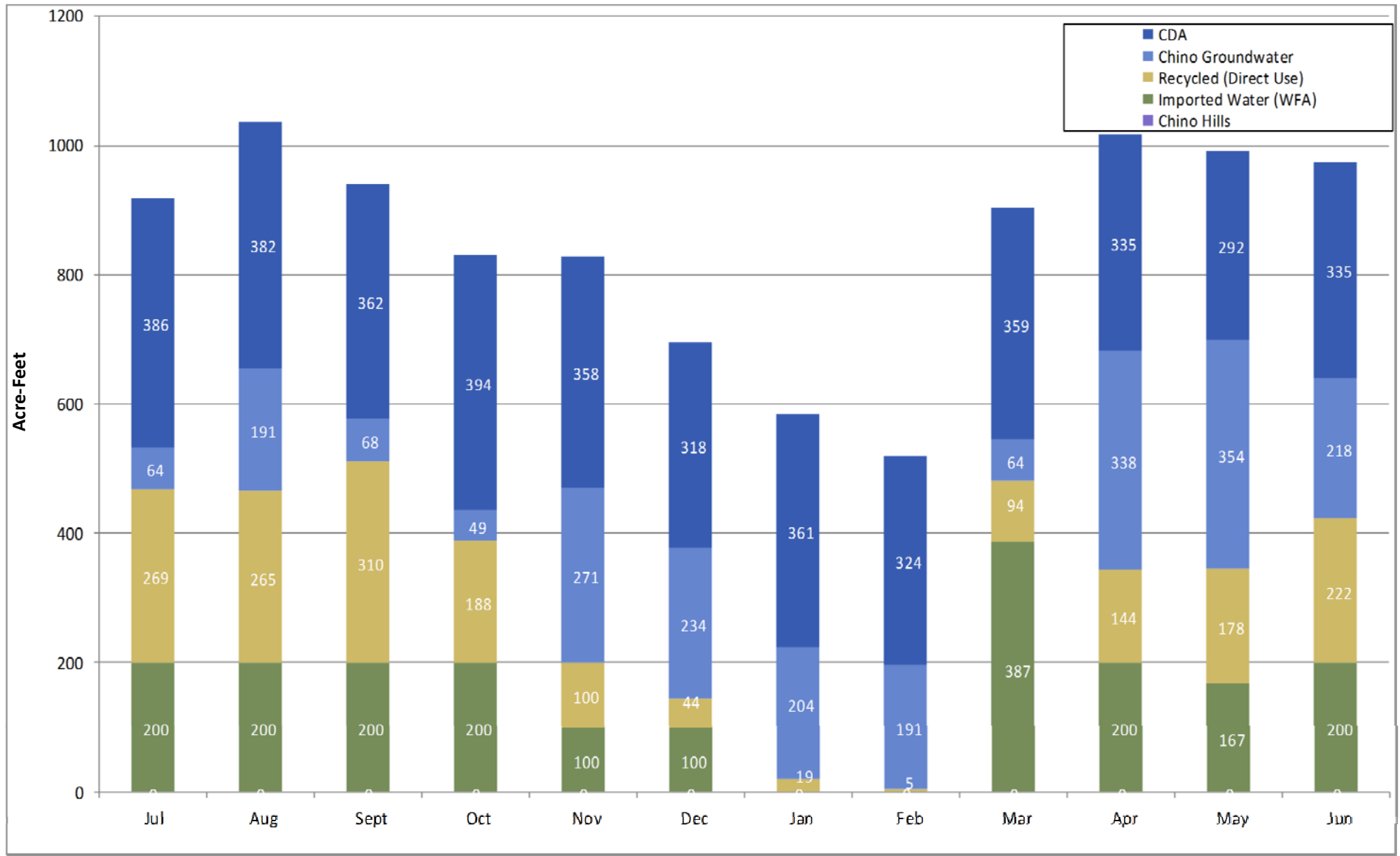
## City of Chino

### FY 2016/17 Monthly Water Usage

		Total IEUA Service Area Water Use By Agency for FY16-17 (AF)										Chino		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (WFA)	502	512	494	401	201	145	-	-	161	271	321	462	3,469
	Recycled (Direct Use)	694	1,235	860	809	380	239	97	61	141	610	633	688	6,447
Subtotal		1,196	1,747	1,354	1,210	581	384	97	61	302	881	954	1,150	9,916
Production	Chino Groundwater	467	520	415	364	420	296	238	203	383	582	596	487	4,972
Subtotal		467	520	415	364	420	296	238	203	383	582	596	487	4,972
Agencies	CDA	460	457	432	443	442	371	427	385	426	386	365	413	5,008
Subtotal		460	457	432	443	442	371	427	385	426	386	365	413	5,008
Total		2,123	2,725	2,202	2,017	1,442	1,051	762	649	1,111	1,849	1,915	2,049	19,896

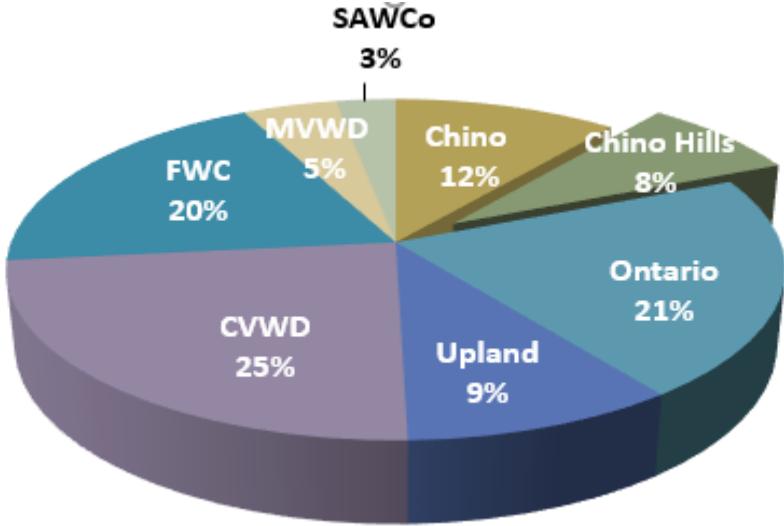
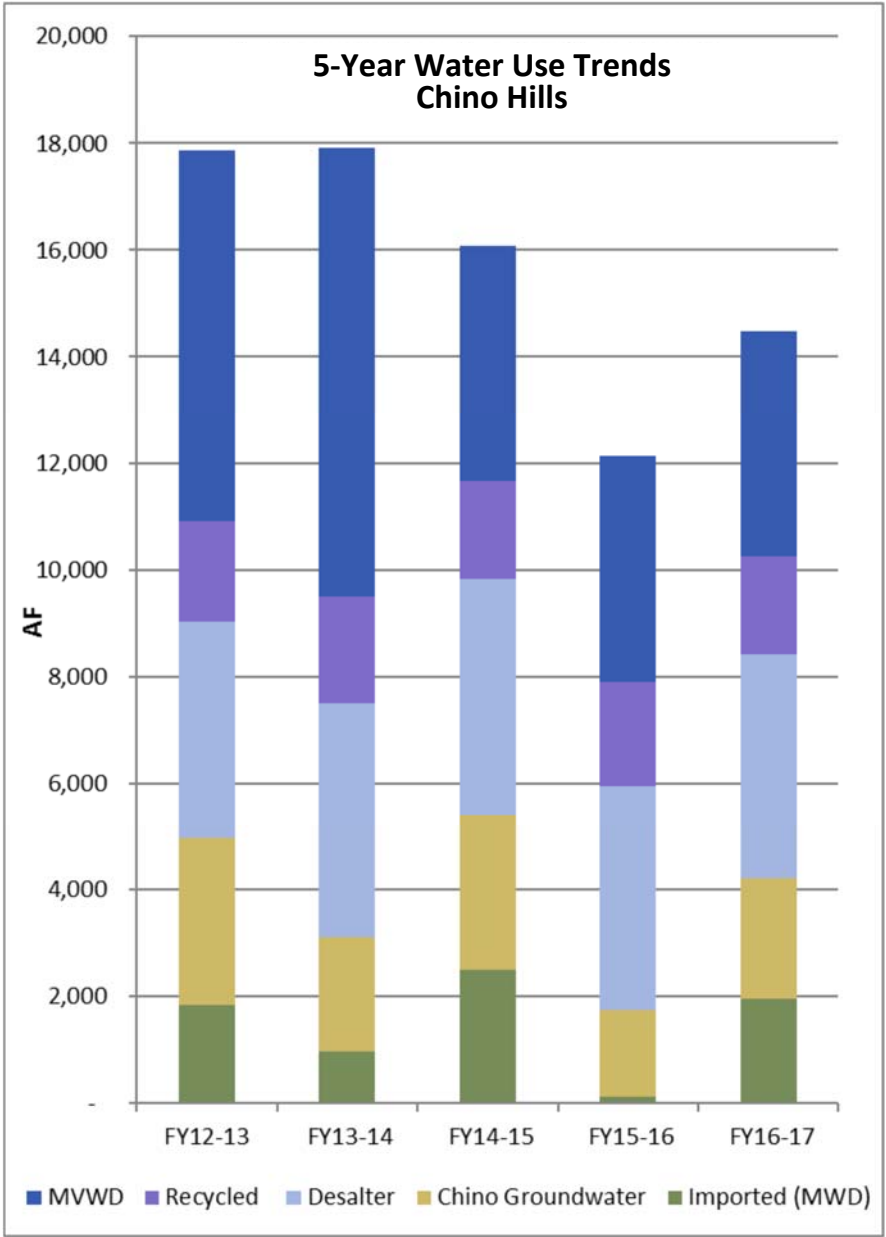
# City of Chino Hills

## FY 2016/17 Monthly Water Usage





# City of Chino Hills FY 2016/17 Water Use Report

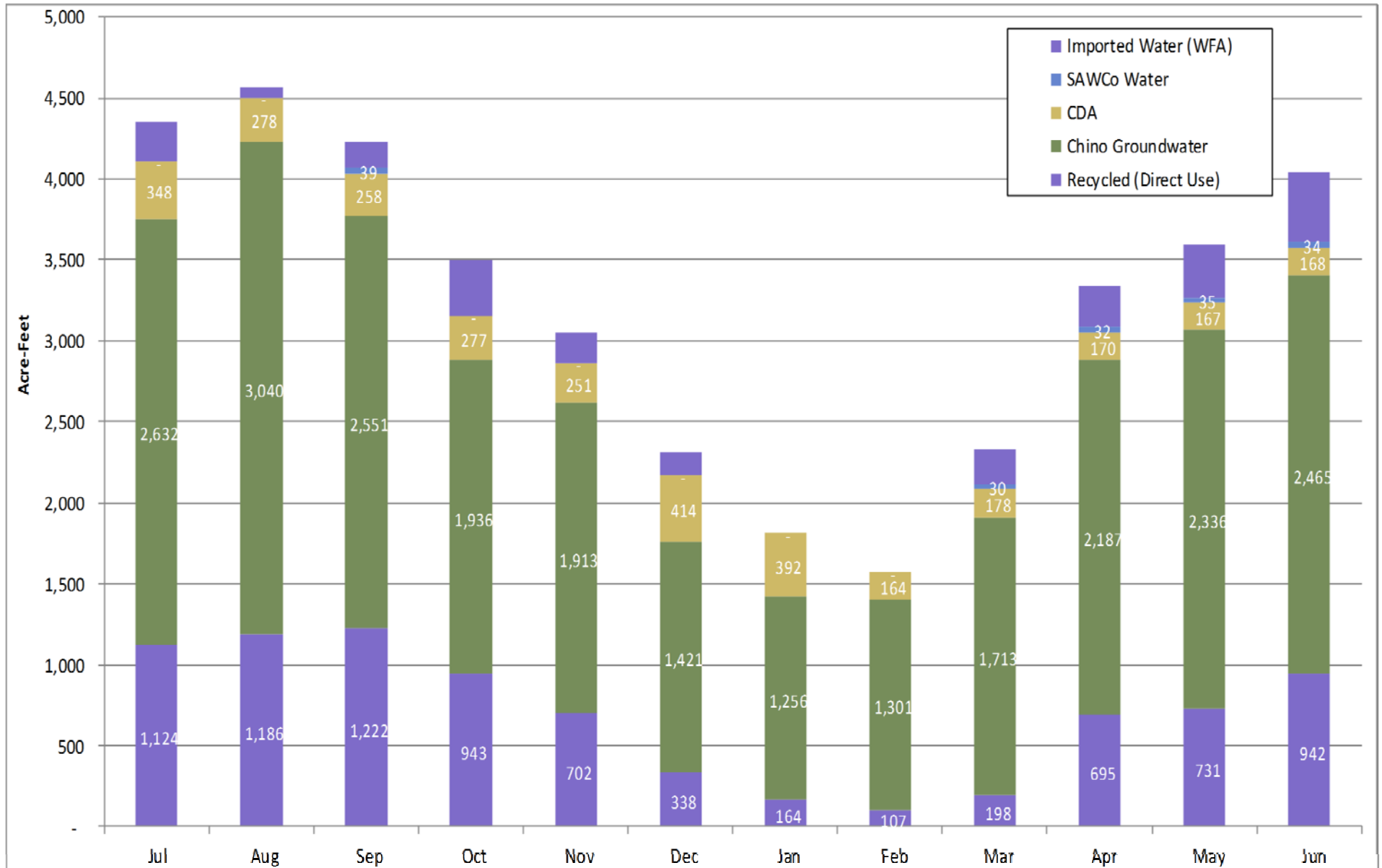


**In FY 2016/17, The City of Chino Hills used 8% (14,481 AF) of 184,060 AF used in the IEUA service area.**

## City of Chino Hills FY 2016/17 Monthly Water Usage

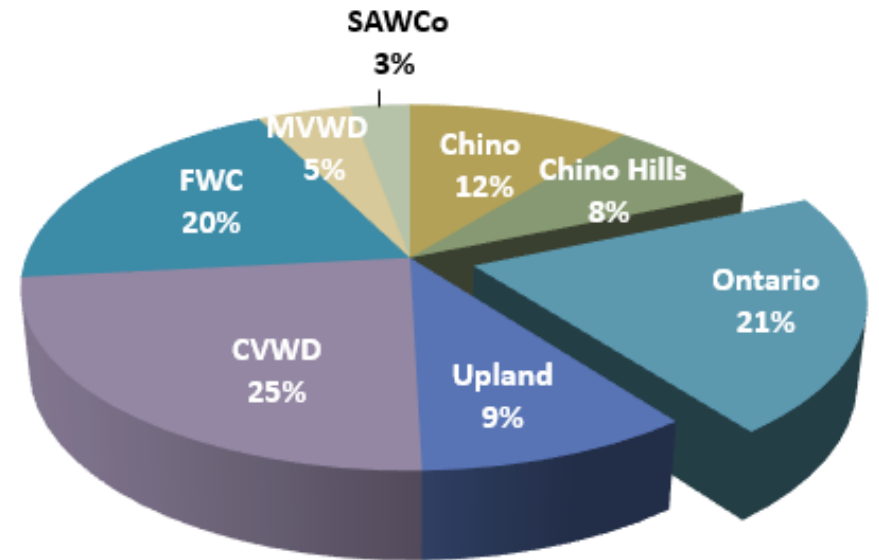
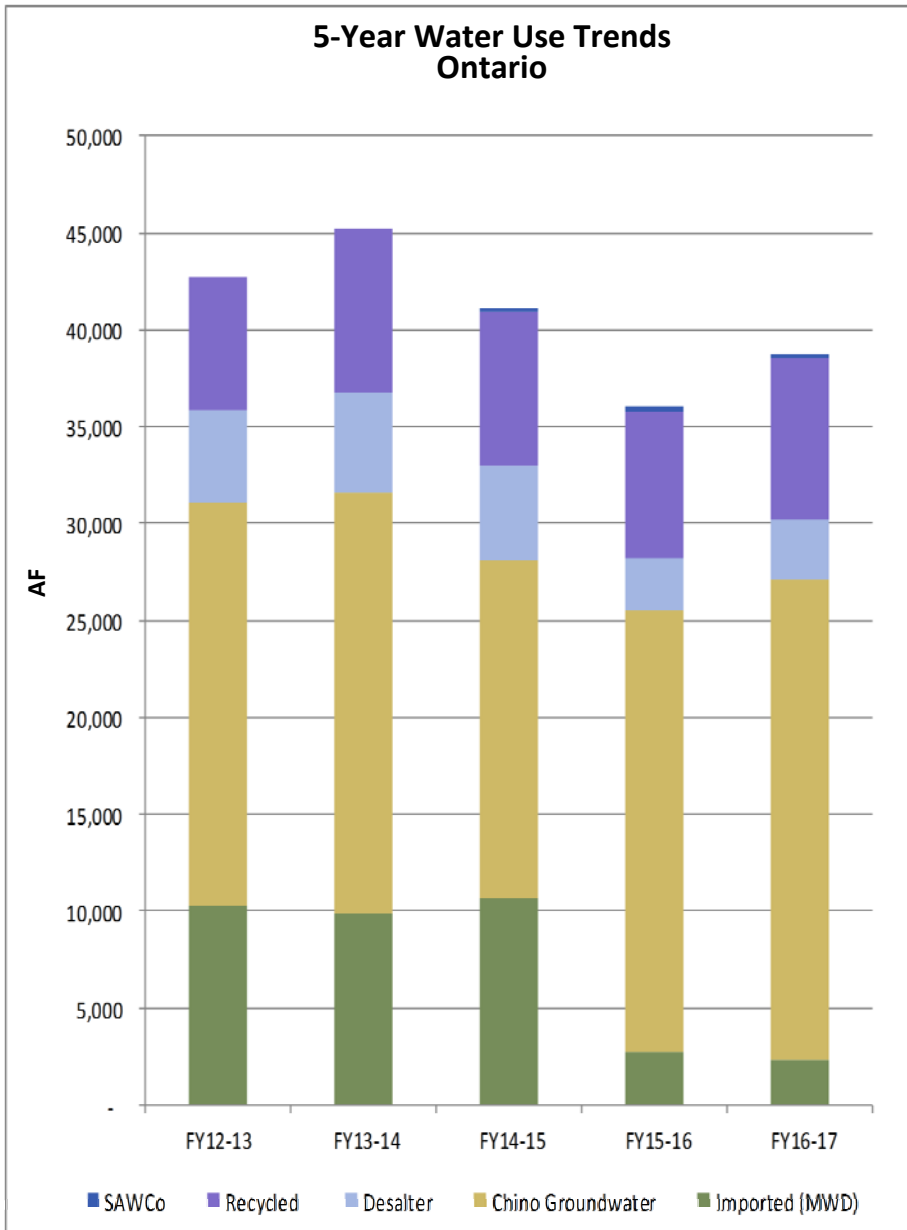
		Total IEUA Service Area Water Use By Agency for FY16-17 (AF)										Chino Hills		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (WFA)	200	200	200	200	100	100	-	-	387	200	167	200	1,954
	Recycled (Direct Use)	269	265	310	188	100	44	19	5	94	144	178	222	1,838
Subtotal		469	465	510	388	200	144	19	5	481	344	345	422	3,792
Production	Chino Groundwater	64	191	68	49	271	234	204	191	64	338	354	218	2,245
Subtotal		64	191	68	49	271	234	204	191	64	338	354	218	7,786
Purchases from other agencies	CDA	386	382	362	394	358	318	361	324	359	335	292	335	4,206
	MVWD	772	720	718	490	259	60	-	-	38	232	397	552	4,237
Subtotal		1,157	1,102	1,080	884	617	378	361	324	397	567	689	887	8,444
Total		1,690	1,758	1,658	1,320	1,088	756	585	520	942	1,249	1,388	1,527	14,481

## City of Ontario FY 2016/17 Monthly Water Usage



# City of Ontario

## FY 2016/17 Water Use Report

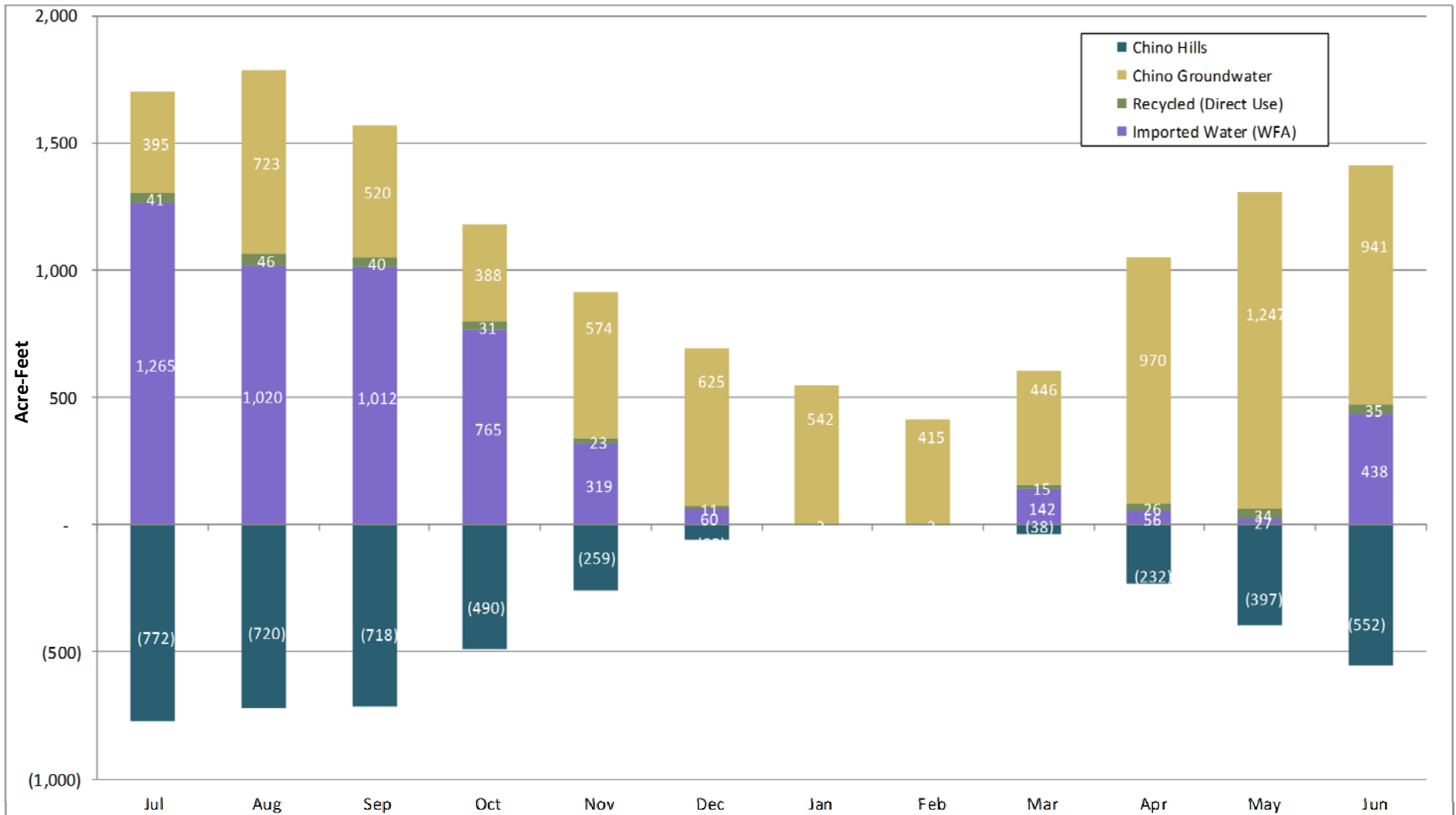


**In FY 2016/17, The City of Ontario used 21% (38,636 AF) of 184,060 AF used in the IEUA service area.**

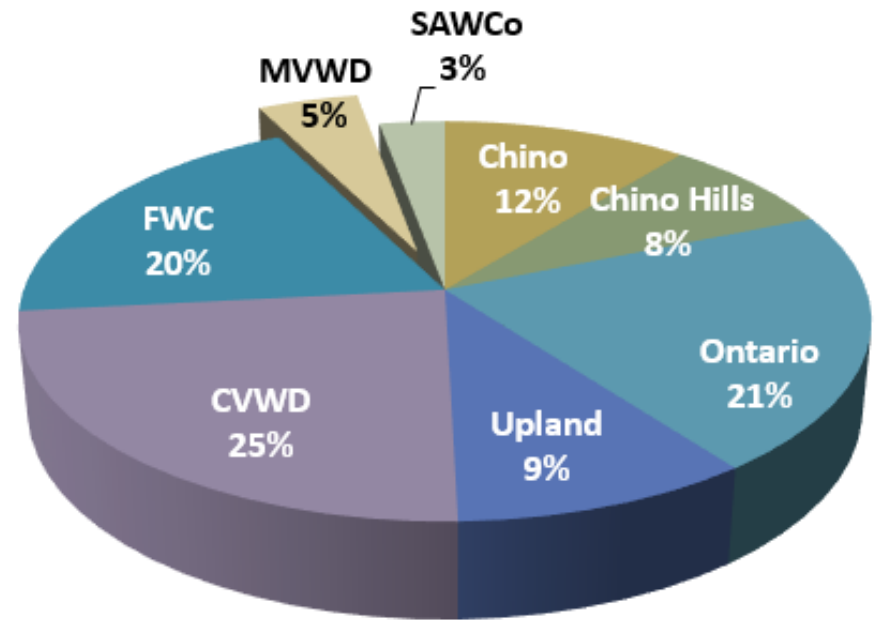
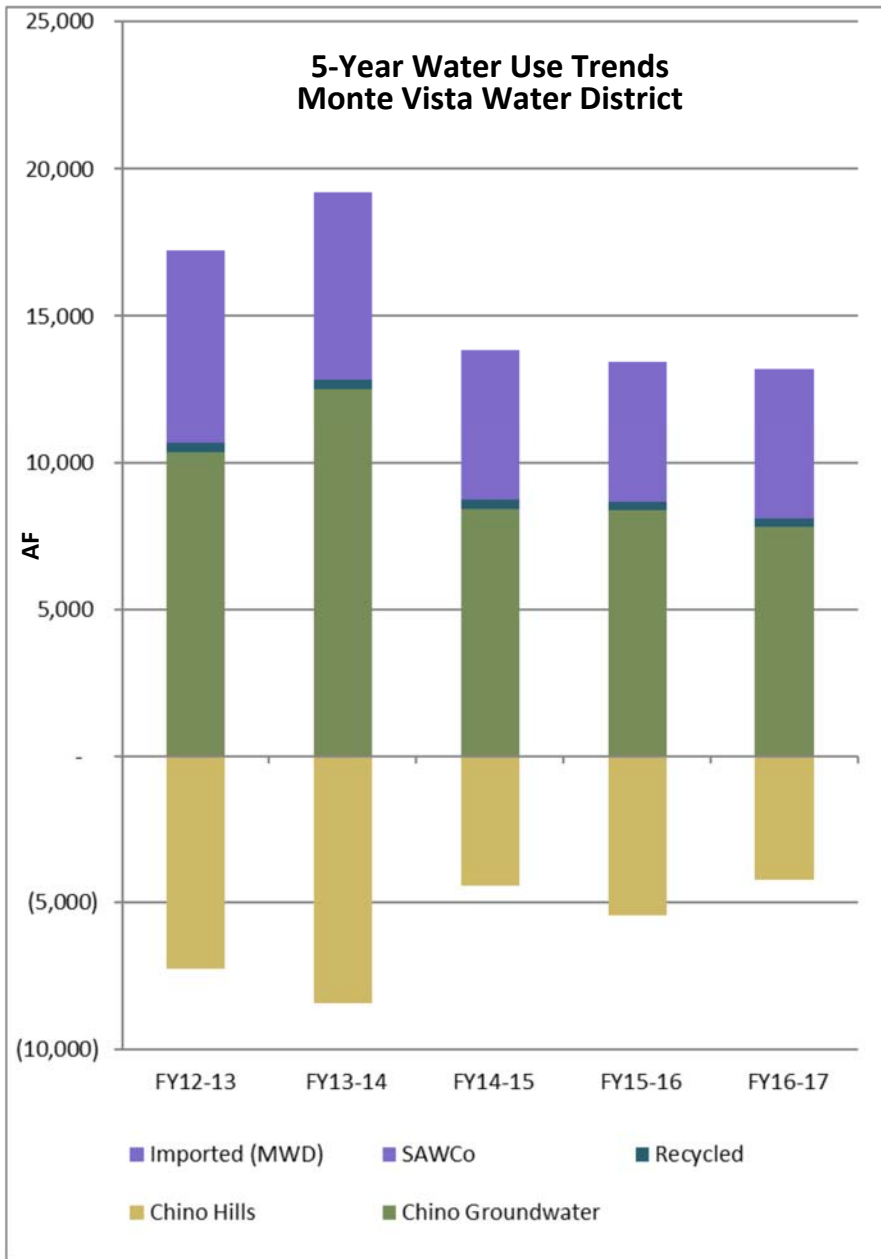
## City of Ontario FY 2016/17 Monthly Water Usage

		Total IEUA Service Area Water Use By Agency for FY16-17 (AF)										Ontario		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (WFA)	246	62	159	341	182	138	-	-	215	257	327	437	2,364
	Recycled (Direct Use)	1,124	1,186	1,222	943	702	338	164	107	198	695	731	942	8,352
Subtotal		1,370	1,248	1,381	1,284	884	476	164	107	413	952	1,058	1,379	10,716
Production	Chino Groundwater	2,632	2,950	2,551	1,936	1,913	1,421	1,264	1,301	1,713	2,190	2,336	2,465	24,672
Subtotal		2,632	2,950	2,551	1,936	1,913	1,421	1,264	1,301	1,713	2,190	2,336	2,465	24,672
Purchases from other agencies	CDA	348	289	258	277	251	414	392	164	178	170	167	168	3,077
	SAWCo Water	-	-	39	-	-	-	-	-	30	32	35	34	171
Subtotal		348	289	298	277	251	414	392	164	208	202	202	202	3,248
Total		4,350	4,487	4,230	3,497	3,049	2,311	1,820	1,572	2,333	3,345	3,597	4,046	38,636

## Monte Vista Water District FY 2016/17 Monthly Water Usage



# Monte Vista Water District



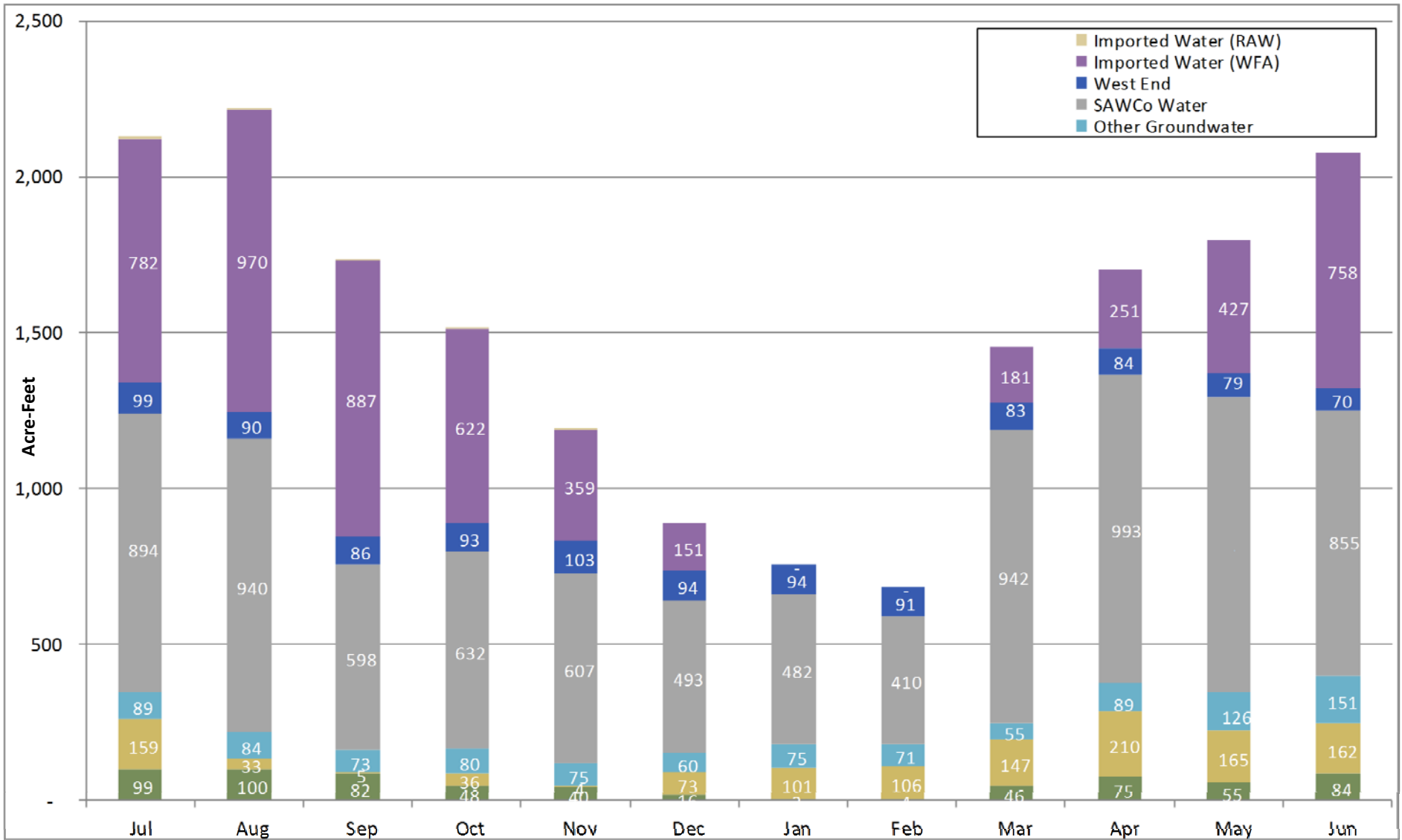
In FY 2016/17, Monte Vista Water District used 5% (8,379 AF) of 184,060 AF used in the IEUA service area.

## Monte Vista Water District FY 2016/17 Monthly Water Usage

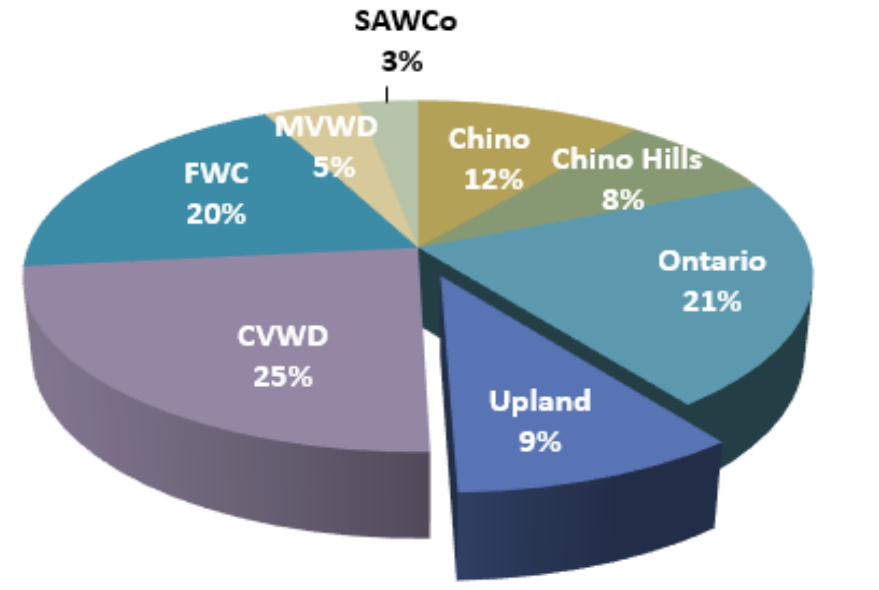
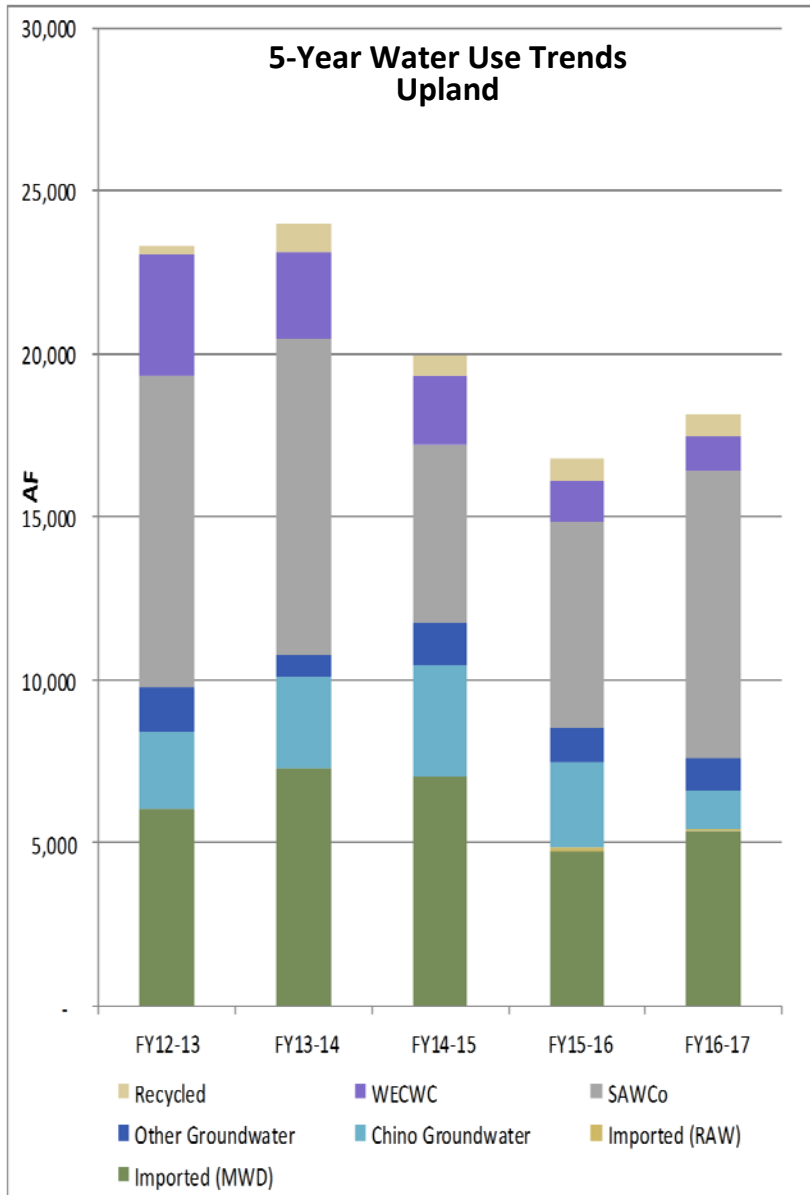
		Total IEUA Service Area Water Use By Agency for FY16-17 (AF)										MVWD		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (WFA)	1,265	1,020	1,012	765	319	60	-	-	142	56	27	438	5,105
	Recycled (Direct Use)	41	46	40	31	23	11	2	2	15	26	34	35	306
Subtotal		1,306	1,066	1,052	796	342	71	2	2	157	82	61	473	5,411
Production	Chino Groundwater	395	723	520	388	574	625	542	415	446	970	1,247	941	7,786
Subtotal		395	723	520	388	574	625	542	415	446	970	1,247	941	7,786
Sales to other agencies	Chino Hills	(771)	(893)	(759)	(490)	(312)	(183)	(29)	-	(41)	(320)	(481)	(539)	(4,818)
Subtotal		(771)	(893)	(759)	(490)	(312)	(183)	(29)	-	(41)	(320)	(481)	(539)	(4,818)
Total		930	896	813	694	604	512	515	417	562	733	828	874	8,379



## City of Upland FY 2016/17 Monthly Water Usage



# City of Upland FY 2016/17 Water Use Report

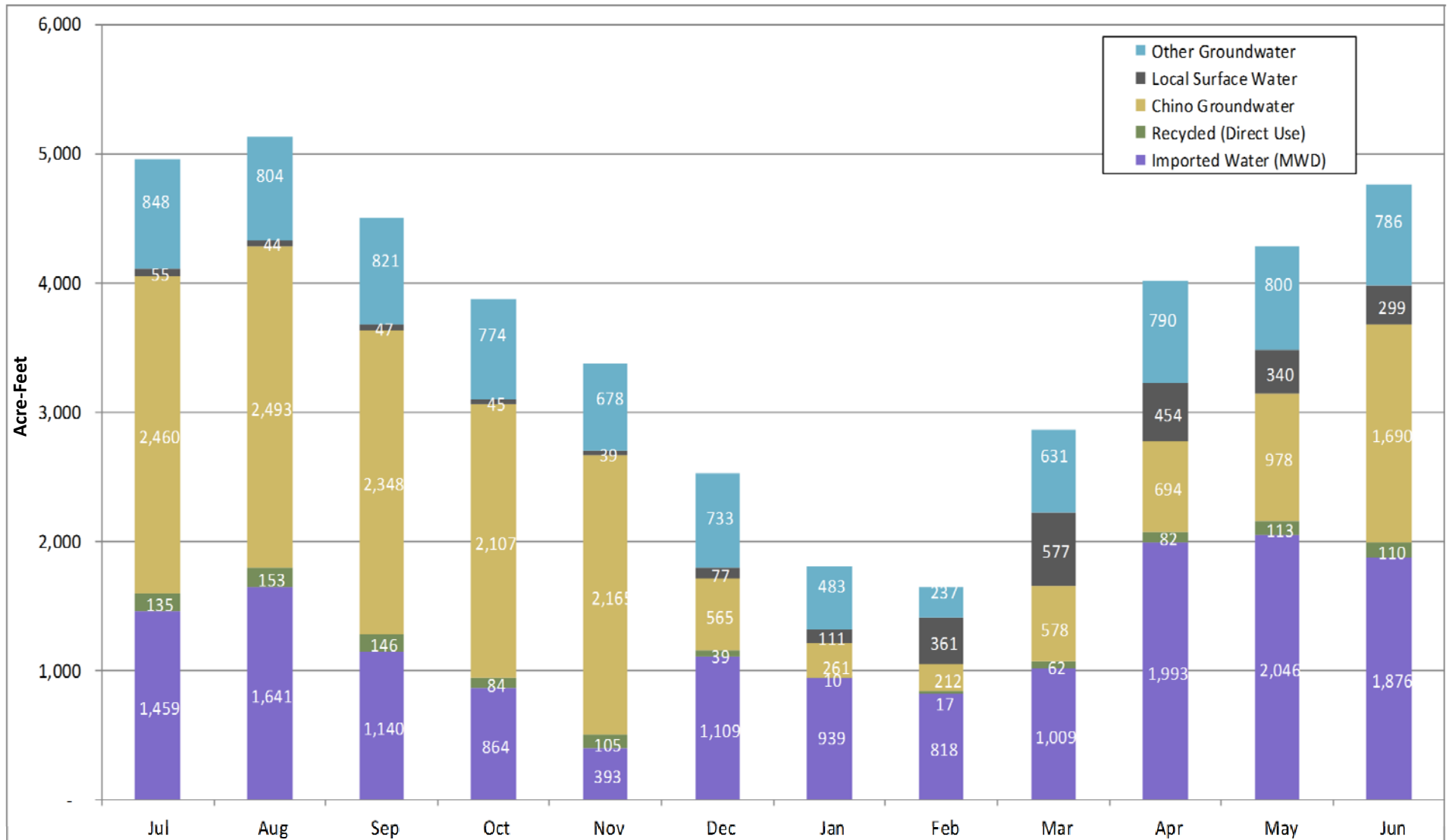


**In FY 2016/17, The City of Upland used 9% (18,203 AF) of 184,060 AF used in the IEUA service area.**

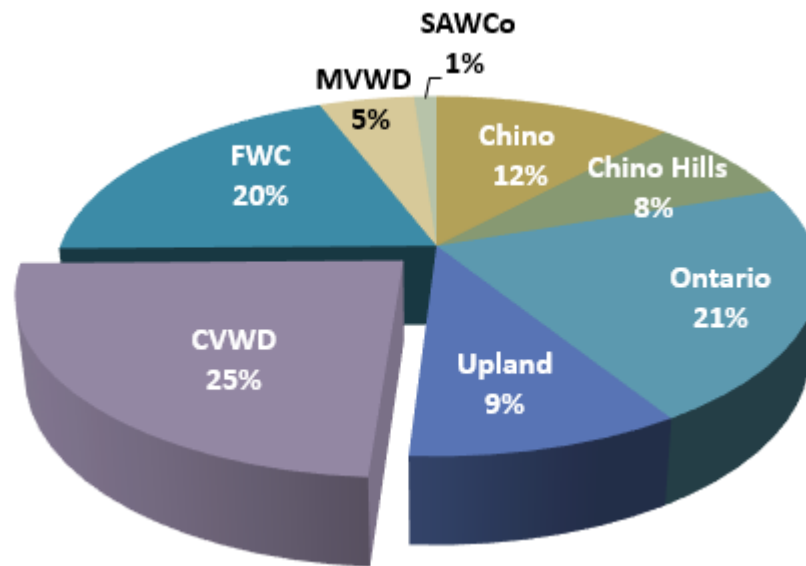
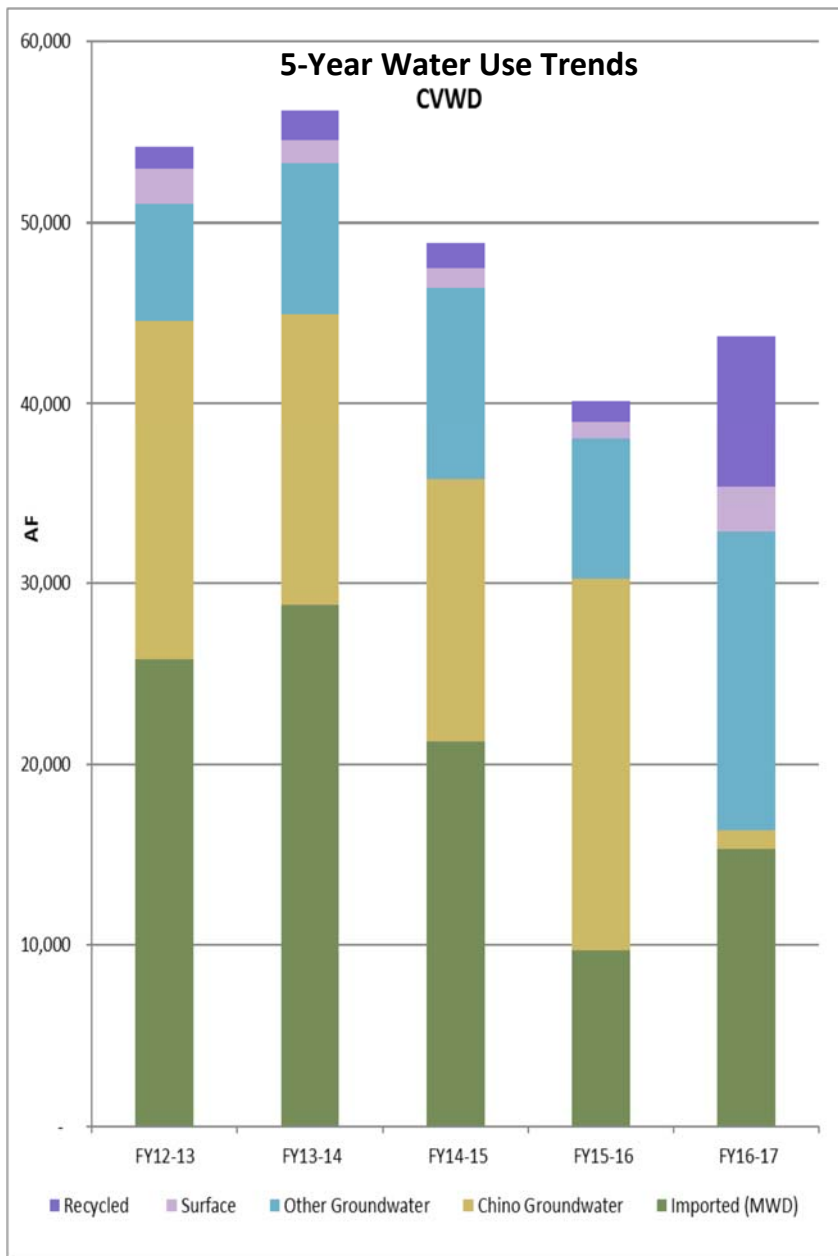
## City of Upland FY 2016/17 Monthly Water Usage

		Total IEUA Service Area Water Use By Agency for FY16-17 (AF)										Upland		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (WFA)	782	970	887	622	359	151	-	-	181	251	427	758	5,389
	Recycled (Direct Use)	99	100	82	48	40	16	3	4	46	75	55	84	652
	Imported Water (RAW)	11	2	1	0	4	-	-	-	-	-	-	-	18
Subtotal		891	1,072	970	670	404	167	3	4	227	326	482	842	6,058
Production	Chino Groundwater	159	33	5	36	62	73	101	106	147	210	165	162	1,260
	Other Groundwater	89	84	73	80	75	60	75	71	55	89	126	151	1,026
Subtotal		248	117	77	116	137	133	176	176	202	299	292	313	2,286
Purchases from other agencies	SAWCo Water	894	940	598	632	607	493	482	410	942	993	945	855	8,791
	West End	99	90	86	93	103	94	94	91	83	84	79	70	1,068
Subtotal		993	1,031	684	726	710	587	576	502	1,025	1,077	1,024	925	9,858
Total		2,132	2,219	1,732	1,512	1,251	887	755	682	1,455	1,702	1,797	2,080	18,203

## Cucamonga Valley Water District FY 2016/17 Monthly Water Usage



# Cucamonga Valley Water District FY 2016/17 Water Report

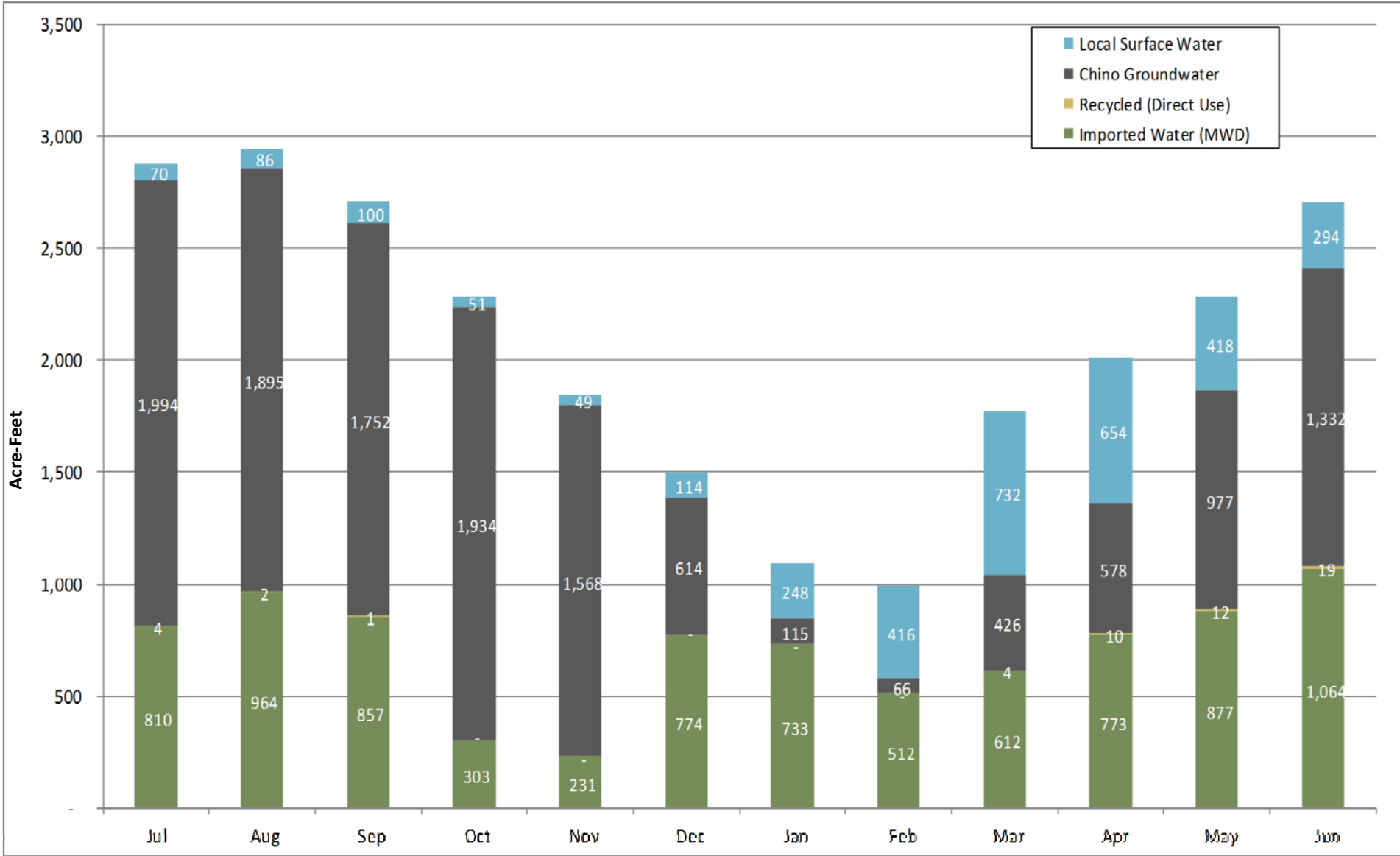


**In FY 2016/17, Cucamonga Valley Water District used 25% (43,728 AF) of 184,060 AF used in the IEUA service area.**

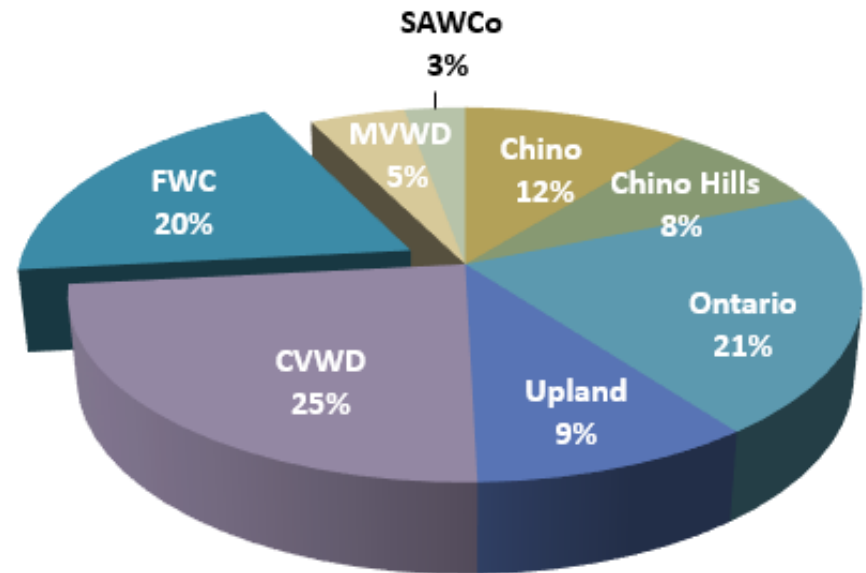
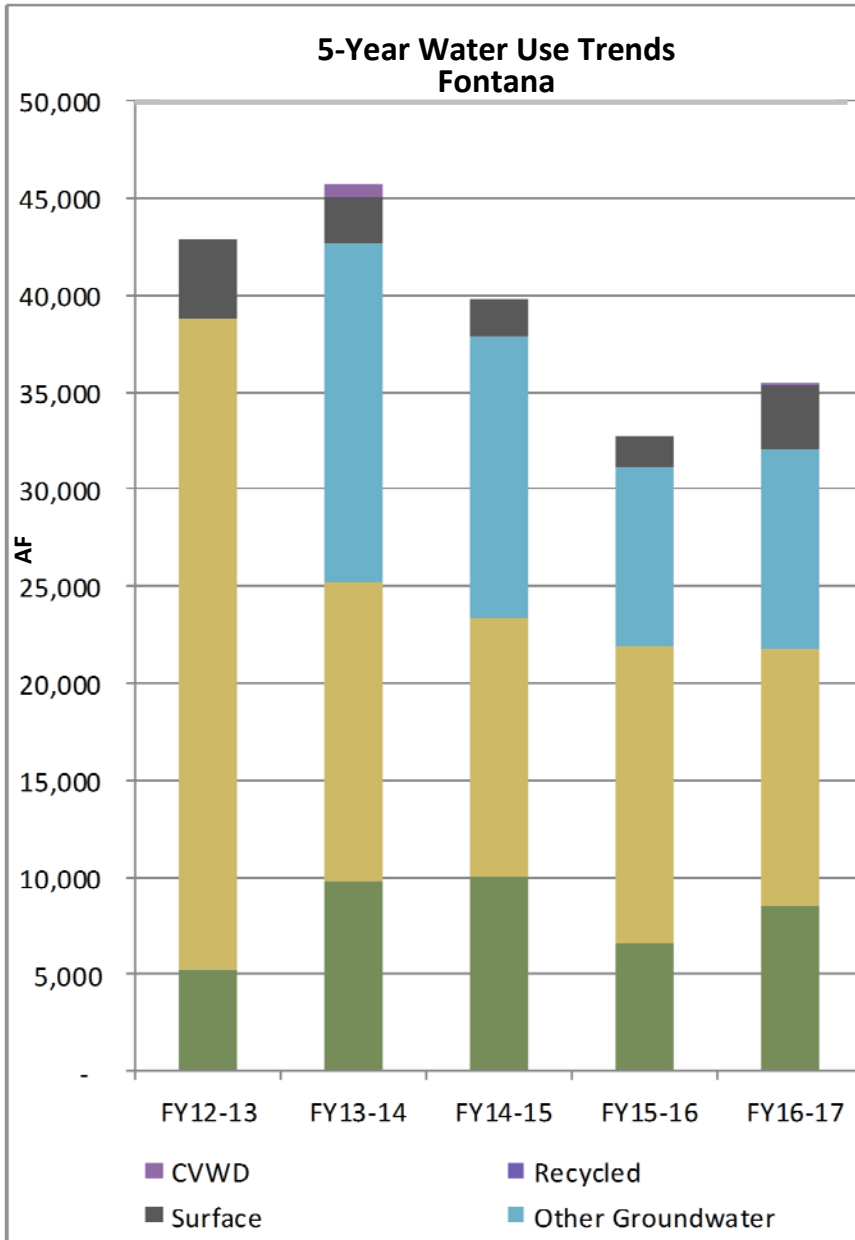
## Cucamonga Valley Water District FY 2016/17 Monthly Water Usage

		Total IEUA Service Area Water Use By Agency for FY16-17 (AF)										CVWD		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (WFA)	1,459	1,641	1,140	864	393	1,109	939	818	1,009	1,993	2,046	1,876	15,288
	Recycled (Direct Use)	135	153	146	84	105	39	10	17	62	82	113	110	1,056
Subtotal		1,594	1,794	1,286	948	498	1,148	949	835	1,071	2,075	2,159	1,986	16,344
Production	Chino Groundwater	2,460	2,493	2,348	2,107	2,165	565	261	212	578	694	978	1,690	16,549
	Local Surface Water	55	44	47	45	39	77	111	361	577	454	340	299	2,448
	Other Groundwater	848	804	821	774	678	733	483	237	631	790	800	786	8,386
Subtotal		3,363	3,341	3,216	2,925	2,882	1,375	855	809	1,787	1,938	2,119	2,774	27,384
Total		4,957	5,135	4,502	3,874	3,380	2,523	1,804	1,645	2,857	4,013	4,278	4,760	43,728

# Fontana Water Company FY 2016/17 Monthly Water Usage



# Fontana Water Company FY 2016/17 Water Use Report



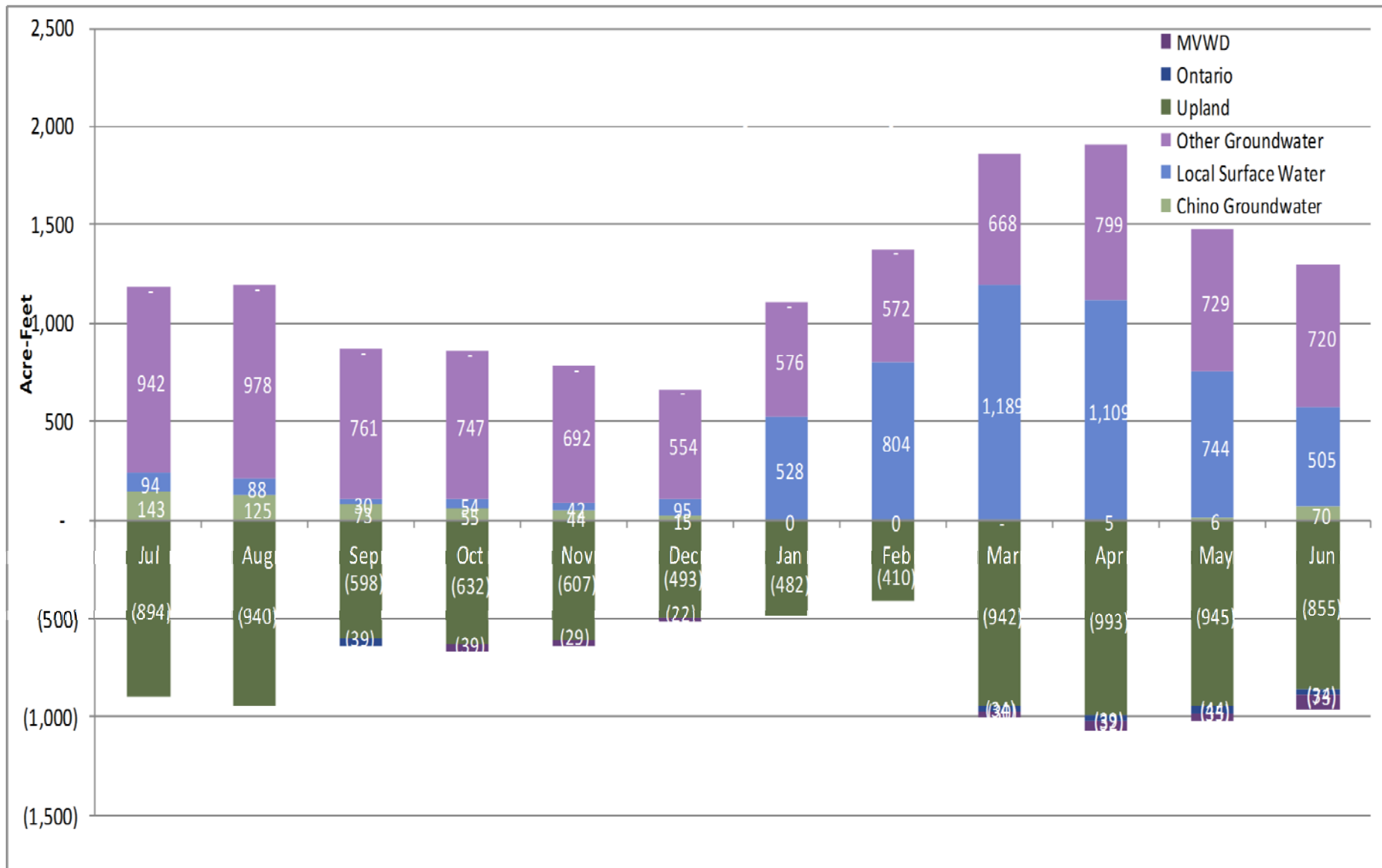
**In FY 2016/17, The Fontana Water Company used 20% (35,419 AF) of 184,060 AF used in the IEUA service area.**



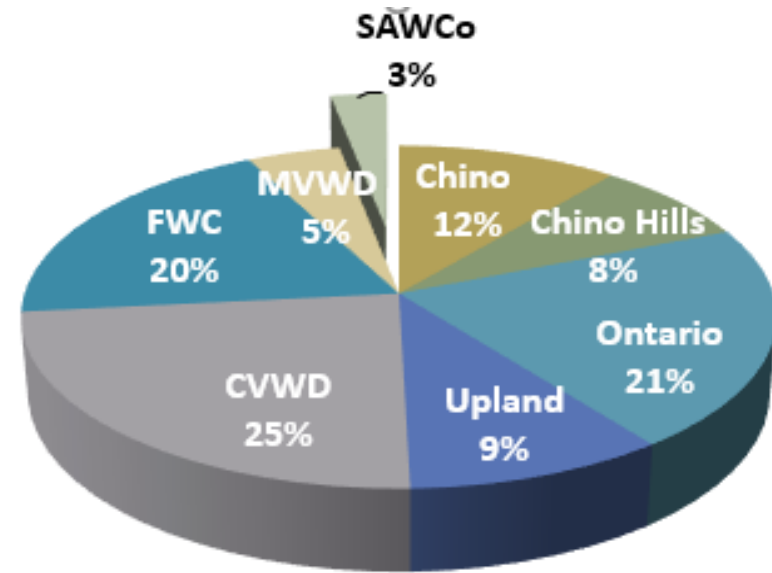
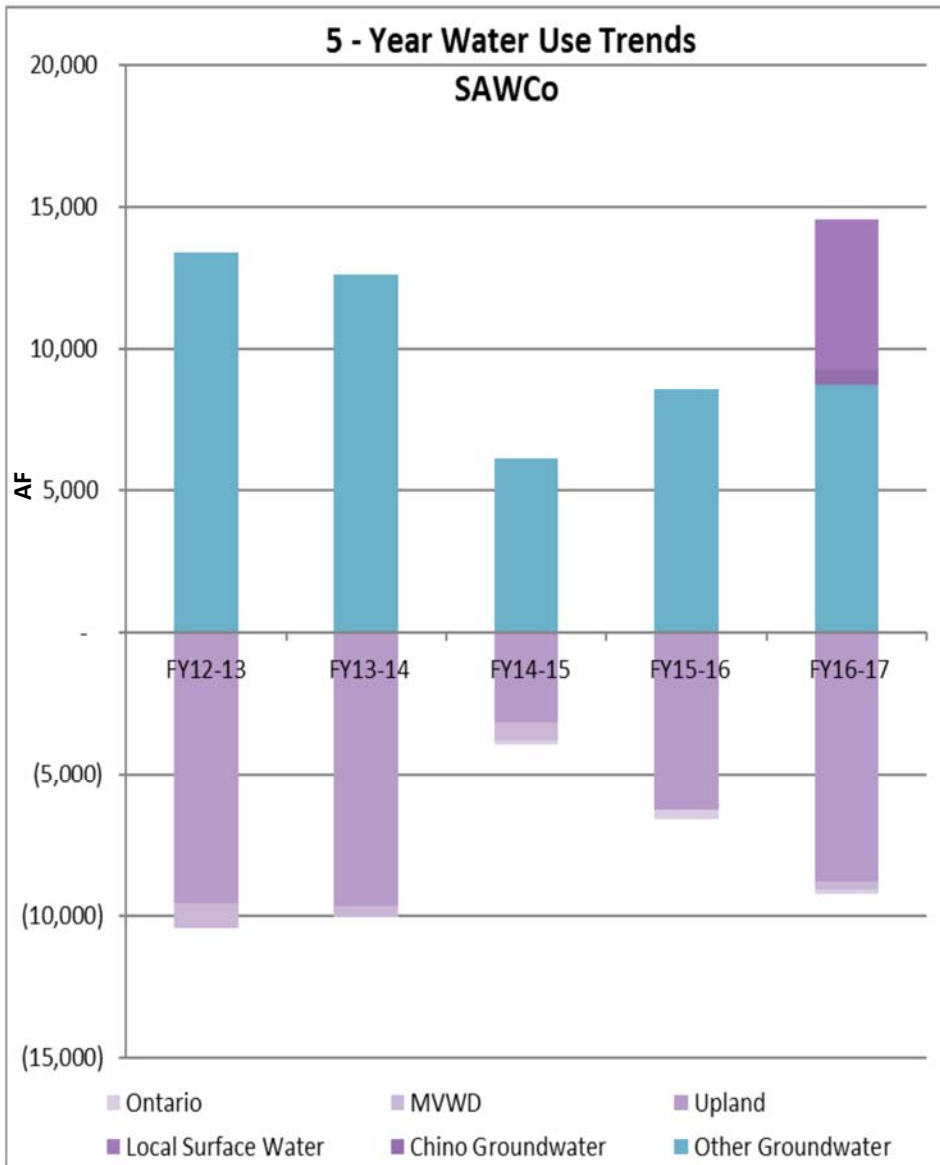
## Fontana Water Company FY 2016/17 Monthly Water Usage

		Total IEUA Service Area Water Use By Agency for FY16-17 (AF)										FWC		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (WFA)	810	964	857	303	231	774	733	512	612	773	877	1,064	8,510
	Recycled (Direct Use)	4	2	1	-	-	-	-	-	4	10	12	19	52
Subtotal		814	966	858	303	231	774	733	512	616	783	889	1,083	8,562
Production	Chino Groundwater	1,994	1,895	1,752	1,934	1,568	614	115	66	426	578	977	1,332	13,251
	Local Surface Water	70	86	100	51	49	114	248	416	732	654	418	294	3,230
	Other Groundwater	915	826	752	857	797	793	756	704	787	1,068	1,075	1,007	10,338
Subtotal		2,978	2,806	2,605	2,841	2,414	1,521	1,119	1,186	1,946	2,299	2,470	2,633	26,818
Purchases from other agencies	CVWD	-	39	-	-	-	-	-	-	-	-	-	-	39
Subtotal		-	39	-	-	-	-	-	-	-	-	-	-	39
Total		3,793	3,811	3,463	3,145	2,645	2,295	1,852	1,698	2,562	3,082	3,358	3,716	35,419

## San Antonio Water Company FY 2016/17 Monthly Water Usage



# San Antonio Water Company FY 2016/17 Water Use Report



**In FY 2016/17, The San Antonio Water Company used 3% (5,318 AF) of 184,060 AF used in the IEUA service area.**

## San Antonio Water Company FY 2016/17 Monthly Water Usage

		Total IEUA Service Area Water Use By Agency for FY16-17 (AF)										SAWCo		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Chino Groundwater	143	125	73	55	44	15	0	0	-	5	6	70	537
	Local Surface Water	94	88	30	54	42	95	528	804	1,189	1,109	744	505	5,282
	Other Groundwater	942	978	761	747	692	554	576	572	668	799	729	720	8,739
Subtotal		1,180	1,190	865	856	779	664	1,104	1,376	1,857	1,913	1,480	1,295	14,558
Sales to other agencies	Upland	(894)	(940)	(598)	(632)	(607)	(493)	(482)	(410)	(942)	(993)	(945)	(855)	(8,791)
	Ontario	-	-	(39)	-	-	-	-	-	(30)	(32)	(35)	(34)	(171)
	MVWD	-	-	-	(39)	(29)	(22)	-	-	(34)	(39)	(44)	(73)	(278)
Subtotal		(894)	(940)	(637)	(671)	(636)	(515)	(482)	(410)	(1,005)	(1,064)	(1,024)	(962)	(9,240)
Total		286	250	227	185	143	149	623	966	852	849	456	333	5,318

**APPENDIX A**

**Five year Historical Data Summary**

FY 16-17		Total IEUA Service Area Water Use by Retail Agency for FY 16-17 (AFY)								
		CHINO	CHINO HILLS	ONTARIO	UPLAND	CVWD	FWC	MVWD	SAWCo	TOTAL
<b>Purchases from IEUA</b>	Imported Water (MWD)	3,469	1,954	2,364	5,406	15,288	8,510	5,105	0	42,096
	Recycled (Direct Use)	6,447	1,838	8,352	652	1,056	52	306	0	18,703
<b>Subtotal</b>		<b>9,916</b>	<b>3,792</b>	<b>10,716</b>	<b>6,058</b>	<b>16,344</b>	<b>8,562</b>	<b>5,411</b>	<b>0</b>	<b>60,799</b>
<b>Production</b>	Chino Groundwater	4,972	2,245	24,672	1,259	16,549	13,251	7,786	537	71,272
	Other Groundwater	0	0	0	1,026	8,386	10,338	0	8,739	28,490
	Local Surface Water	0	0	0	0	2,448	3,230	0	5,282	10,960
<b>Subtotal</b>		<b>4,972</b>	<b>2,245</b>	<b>24,672</b>	<b>2,228</b>	<b>27,384</b>	<b>26,818</b>	<b>7,786</b>	<b>14,558</b>	<b>110,721</b>
<b>Purchases from Other Agencies</b>	CDA	5,008	4,206	3,077	0	0	0	0	0	12,292
	MVWD	0	4,237	0	0	0	0	0	0	4,237
	SAWCo Water	0	0	171	8,791	0	0	0	0	8,961
	West End	0	0	0	1,068	0	0	0	0	1,068
	CVWD	0	0	0	0	0	39	0	0	39
<b>Subtotal</b>		<b>5,008</b>	<b>8,444</b>	<b>3,248</b>	<b>9,858</b>	<b>0</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>26,597</b>
<b>Sales to Other Agencies*</b>	Chino Hills	0	0	0	0	0	0	-4,818	0	-4,818
	Ontario	0	0	0	0	0	0	0	-171	-171
	Upland	0	0	0	0	0	0	0	-8,791	-8,791
	MVWD	0	0	0	0	0	0	0	-278	-278
<b>Subtotal</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-4,818</b>	<b>-9,240</b>	<b>-14,058</b>
<b>Total</b>		<b>19,896</b>	<b>14,481</b>	<b>38,636</b>	<b>18,203</b>	<b>43,728</b>	<b>35,419</b>	<b>8,379</b>	<b>5,318</b>	<b>184,060</b>

FY 15-16		Total IEUA Service Area Water Use by Retail Agency for FY 15-16 (AFY)								
		CHINO	CHINO HILLS	ONTARIO	UPLAND	CVWD	FWC	MVWD	SAWCo	TOTAL
<b>Purchases from IEUA</b>	Imported Water (MWD)	2,843	110	2,755	4,890	9,712	6,613	4,799	0	31,722
	Recycled (Direct Use)	7,217	1,410	7,566	719	1,146	0	278	0	18,336
<b>Subtotal</b>		<b>10,060</b>	<b>1,520</b>	<b>10,321</b>	<b>5,609</b>	<b>10,857</b>	<b>6,613</b>	<b>5,078</b>	<b>0</b>	<b>50,058</b>
<b>Production</b>	Chino Groundwater	5,104	1,630	22,755	2,601	20,524	15,317	8,371	0	76,302
	Other Groundwater	0	0	0	1,054	7,783	9,253	0	8,517	26,607
	Local Surface Water	0	0	0	0	1,002	1,497	0	0	2,499
<b>Subtotal</b>		<b>5,104</b>	<b>1,630</b>	<b>22,755</b>	<b>3,655</b>	<b>29,309</b>	<b>26,067</b>	<b>8,371</b>	<b>8,517</b>	<b>105,408</b>
<b>Purchases from Other Agencies</b>	CDA	5,000	4,201	2,682	0	0	0	0	0	11,883
	MVWD	0	5,642	0	0	0	0	0	0	5,642
	SAWCo Water	0	0	338	6,297	0	0	0	0	6,635
	West End	0	0	0	1,246	0	0	0	0	1,246
<b>Subtotal</b>		<b>5,000</b>	<b>9,843</b>	<b>3,020</b>	<b>7,543</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25,406</b>
<b>Sales to Other Agencies</b>	Chino Hills	0	0	0	0	0	0	-5,437	0	-5,437
	Ontario	0	0	0	0	0	0	0	-338	-338
	Upland	0	0	0	0	0	0	0	-6,297	-6,297
<b>Subtotal</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-5,437</b>	<b>-6,635</b>	<b>-12,072</b>
<b>Total</b>		<b>20,163</b>	<b>12,993</b>	<b>36,096</b>	<b>16,807</b>	<b>40,166</b>	<b>32,681</b>	<b>8,012</b>	<b>1,882</b>	<b>168,799</b>

FY 14-15		Total IEUA Service Area Water Use by Retail Agency for FY 14-15 (AFY)								
		CHINO	CHINO HILLS	ONTARIO	UPLAND	CVWD	FWC	MVWD	SAWCo	TOTAL
<b>Purchases from IEUA</b>	Imported Water (MWD)	2,830	2,494	10,703	7,047	21,306	9,994	4,530	0	58,905
	Recycled (Direct Use)	8,324	1,827	8,018	636	1,400	0	308	0	20,513
<b>Subtotal</b>		<b>11,154</b>	<b>4,321</b>	<b>18,721</b>	<b>7,684</b>	<b>22,705</b>	<b>9,994</b>	<b>4,838</b>	<b>0</b>	<b>79,418</b>
<b>Production</b>	Chino Groundwater	6,497	2,904	17,426	3,416	14,490	13,344	8,407	0	66,485
	Other Groundwater	0	0	0	1,291	10,631	14,500	0	6,091	32,513
	Local Surface Water	0	0	0	0	1,076	1,969	0	0	3,044
<b>Subtotal</b>		<b>6,497</b>	<b>2,904</b>	<b>17,426</b>	<b>4,708</b>	<b>26,196</b>	<b>29,813</b>	<b>8,407</b>	<b>6,091</b>	<b>102,042</b>
<b>Purchases from Other Agencies</b>	CDA	5,232	4,426	4,827	0	0	0	0	0	14,485
	MVWD	0	4,436	0	0	0	0	0	0	4,436
	SAWCo Water	0	0	172	5,461	0	0	612	0	6,246
	West End	0	0	0	2,139	0	0	0	0	2,139
<b>Subtotal</b>		<b>5,232</b>	<b>8,862</b>	<b>5,000</b>	<b>7,601</b>	<b>0</b>	<b>0</b>	<b>612</b>	<b>0</b>	<b>27,306</b>
<b>Sales to Other Agencies</b>	Chino Hills	0	0	0	0	0	0	-4,439	0	-4,439
	MVWD	0	0	0	0	0	0	0	-612	-612
	Ontario	0	0	0	0	0	0	0	-172	-172
	Upland	0	0	0	0	0	0	0	-3,177	-3,177
<b>Subtotal</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-4,439</b>	<b>-3,961</b>	<b>-8,400</b>
<b>Total</b>		<b>22,884</b>	<b>16,087</b>	<b>41,147</b>	<b>19,992</b>	<b>48,902</b>	<b>39,807</b>	<b>9,419</b>	<b>2,129</b>	<b>200,366</b>



FY 13-14		Total IEUA Service Area Water Use by Retail Agency for FY 13-14 (AFY)								
		CHINO	CHINO HILLS	ONTARIO	UPLAND	CVWD	FWC	MVWD	SAWCo	TOTAL
<b>Purchases from IEUA</b>	Imported Water (MWD)	4,342	962	9,904	7,265	28,825	9,792	5,965	0	67,055
	Recycled (Direct Use)	8,916	2,002	8,428	869	1,652	0	339	0	22,205
<b>Subtotal</b>		<b>13,258</b>	<b>2,964</b>	<b>18,332</b>	<b>8,134</b>	<b>30,477</b>	<b>9,792</b>	<b>6,304</b>	<b>0</b>	<b>89,261</b>
<b>Production</b>	Chino Groundwater	6,725	2,138	21,723	2,822	16,122	15,378	12,522	0	77,430
	Other Groundwater	0	0	0	704	8,324	17,454	0	12,610	39,092
	Local Surface Water	0	0	0	0	1,254	2,405	0	0	3,658
<b>Subtotal</b>		<b>6,725</b>	<b>2,138</b>	<b>21,723</b>	<b>3,526</b>	<b>25,700</b>	<b>35,236</b>	<b>12,522</b>	<b>12,610</b>	<b>120,180</b>
<b>Purchases from Other Agencies</b>	CDA	5,198	4,396	5,141	0	0	0	0	0	14,735
	CVWD	0	0	0	0	0	757	0	0	757
	MVWD	0	8,427	0	0	0	0	0	0	8,427
	SAWCo Water	0	0	0	9,662	0	0	400	0	10,063
	West End	0	0	0	2,653	0	0	0	0	2,653
<b>Subtotal</b>		<b>5,198</b>	<b>12,824</b>	<b>5,141</b>	<b>12,316</b>	<b>0</b>	<b>757</b>	<b>400</b>	<b>0</b>	<b>36,636</b>
<b>Sales to Other Agencies</b>	Chino Hills	0	0	0	0	0	0	-8,428	0	-8,428
	MVWD	0	0	0	0	0	0	0	-400	-400
	Upland	0	0	0	0	0	0	0	-9,662	-9,662
<b>Subtotal</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-8,428</b>	<b>-10,063</b>	<b>-18,490</b>
<b>Total</b>		<b>25,181</b>	<b>17,926</b>	<b>45,196</b>	<b>23,975</b>	<b>56,177</b>	<b>45,785</b>	<b>10,798</b>	<b>2,547</b>	<b>227,586</b>

FY 12-13		Total IEUA Service Area Water Use by Retail Agency for FY 12-13 (AFY)								
		CHINO	CHINO HILLS	ONTARIO	UPLAND	CVWD	FWC	MVWD	SAWCo	TOTAL
<b>Purchases from IEUA</b>	Imported Water (MWD)	4,085	1,822	10,244	6,067	25,845	5,215	5,737	0	59,013
	Recycled (Direct Use)	8,957	1,890	6,894	264	1,231	0	327	0	19,562
<b>Subtotal</b>		<b>13,042</b>	<b>3,711</b>	<b>17,138</b>	<b>6,331</b>	<b>27,075</b>	<b>5,215</b>	<b>6,063</b>	<b>0</b>	<b>78,575</b>
<b>Production</b>	Chino Groundwater	7,022	3,134	20,801	2,358	18,740	33,576	10,325	0	95,956
	Other Groundwater	0	0	0	1,349	6,420	0	0	13,376	21,145
	Local Surface Water	0	0	0	0	1,921	4,059	0	0	5,980
<b>Subtotal</b>		<b>7,022</b>	<b>3,134</b>	<b>20,801</b>	<b>3,707</b>	<b>27,081</b>	<b>37,635</b>	<b>10,325</b>	<b>13,376</b>	<b>123,081</b>
<b>Purchases from Other Agencies</b>	CDA	4,805	4,075	4,792	0	0	0	0	0	13,671
	MVWD	0	6,949	0	0	0	0	0	0	6,949
	SAWCo Water	0	0	0	9,594	0	0	841	0	10,435
	West End	0	0	0	3,692	0	0	0	0	3,692
<b>Subtotal</b>		<b>4,805</b>	<b>11,024</b>	<b>4,792</b>	<b>13,286</b>	<b>0</b>	<b>0</b>	<b>841</b>	<b>0</b>	<b>34,747</b>
<b>Sales to Other Agencies</b>	Chino Hills	0	0	0	0	0	0	-7,249	0	-7,249
	MVWD	0	0	0	0	0	0	0	-841	-841
	Upland	0	0	0	0	0	0	0	-9,594	-9,594
<b>Subtotal</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-7,249</b>	<b>-10,435</b>	<b>-17,684</b>
<b>Total</b>		<b>24,868</b>	<b>17,869</b>	<b>42,731</b>	<b>23,324</b>	<b>54,157</b>	<b>42,850</b>	<b>9,980</b>	<b>2,941</b>	<b>218,719</b>

# **APPENDIX B**

## **Definitions**

**Chino Basin Groundwater** – Water pumped from the Chino Basin Aquifer and treated by retail water agencies for all potable uses within the IEUA service area.

**Desalter Water** – Water pumped from Chino Basin Desalter I owned and operated by the Chino Basin Desalter Authority (CDA). Groundwater, with high levels of dissolved solids, is treated and distributed to several retail agencies within the IEUA’s service area for potable uses.

**Imported Water (MWD)** – Water from Northern California and supplied by the Metropolitan Water District of Southern California (MWD), and water transferred from other groundwater basins to retail water agencies operating within the IEUA service area. All Tier I and Tier II deliveries are included in this category.

**Other Groundwater** – Water produced from other local groundwater basins to retail water agencies operating within IEUA’s service area.

**Surface Water** – Water collected by retail water agencies from mountain runoff and storm flows, which is collected and treated for potable use.

**Recycled Water** – Title 22 recycled water produced by the IEUA at its water recycling plants for distribution through separate pipelines to retail water agency customers for all non-potable uses.

**WECWC**– West End Consolidated Water Company supplies some water to the City of Upland.

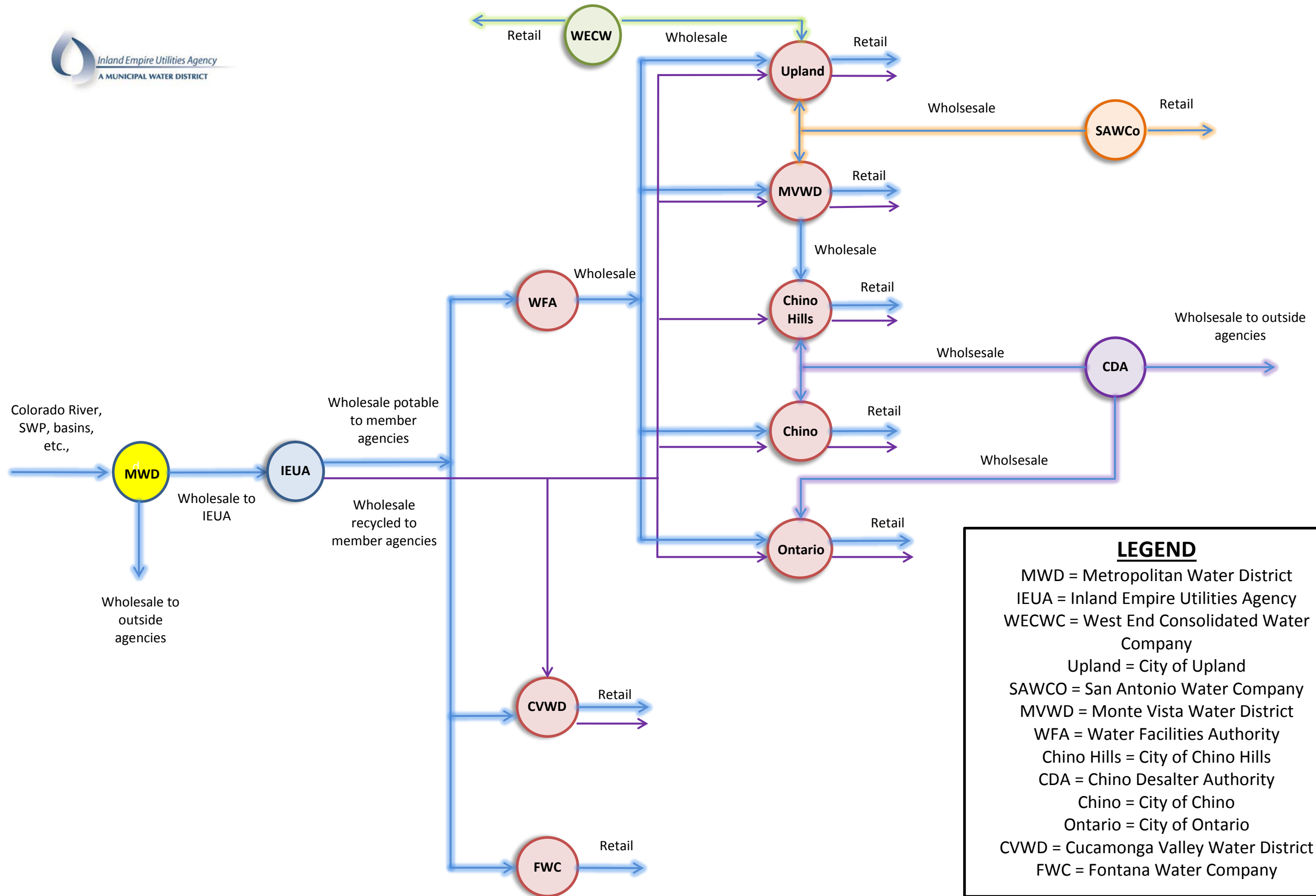
**WVWD** – West Valley Water District

**Production** – Amount of water Agencies produce from their groundwater, surface water, or other water supplies that they have rights or jurisdiction over.

**Use** – Amount of water used within a member agency’s jurisdiction, as reported by them to IUEA.

## **APPENDIX C**

### **Member Agency Organizational Chart**



**LEGEND**

- MWD = Metropolitan Water District
- IEUA = Inland Empire Utilities Agency
- WECWC = West End Consolidated Water Company
- Upland = City of Upland
- SAWCO = San Antonio Water Company
- MVWD = Monte Vista Water District
- WFA = Water Facilities Authority
- Chino Hills = City of Chino Hills
- CDA = Chino Desalter Authority
- Chino = City of Chino
- Ontario = City of Ontario
- CVWD = Cucamonga Valley Water District
- FWC = Fontana Water Company