

# IEUA FY 2019-2020 Annual Water Use Report:

## Retail Agency Water Use and Five Year History



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## Preface

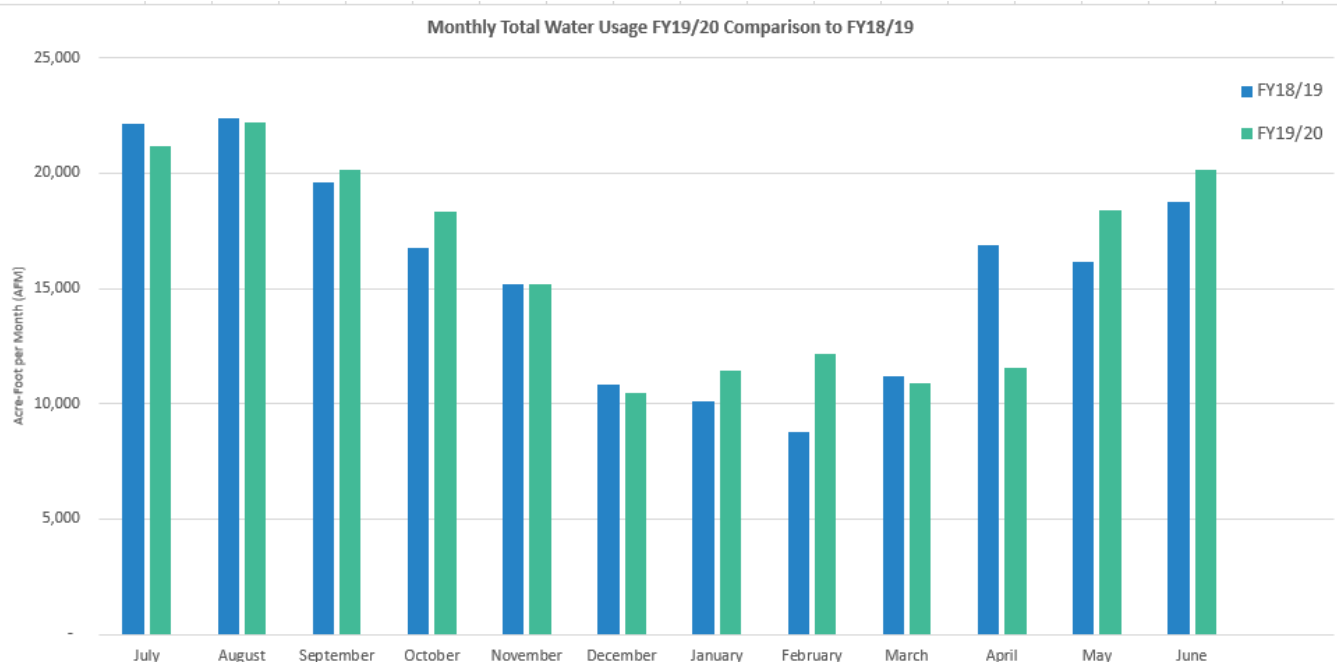
### FY 2019-2020 Water Use Summary Report

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.

Total water consumption within IEUA's service area for FY 19/20 was 192,100 AF. This is roughly a 1.7% increase (3,283 AF) from FY 2018/19 consumption of 188,817 AF. The region is now using approximately 15% less water than before the recent drought in FY 13/14 when consumption was at 227,586 AF. Despite an increase in overall usage from last year, Metropolitan Water District (MWD) Tier 1 imported water usage in the region has decreased from 63,230 AF in FY 18/19 to 49,035 AF in FY 19/20. The reduction in imported water was met by increased use of other local water sources, including a voluntary withdrawal of 17,395 AF from the MWD Dry Year Yield Conjunctive Use Program (DYY) by Cucamonga Valley Water District.

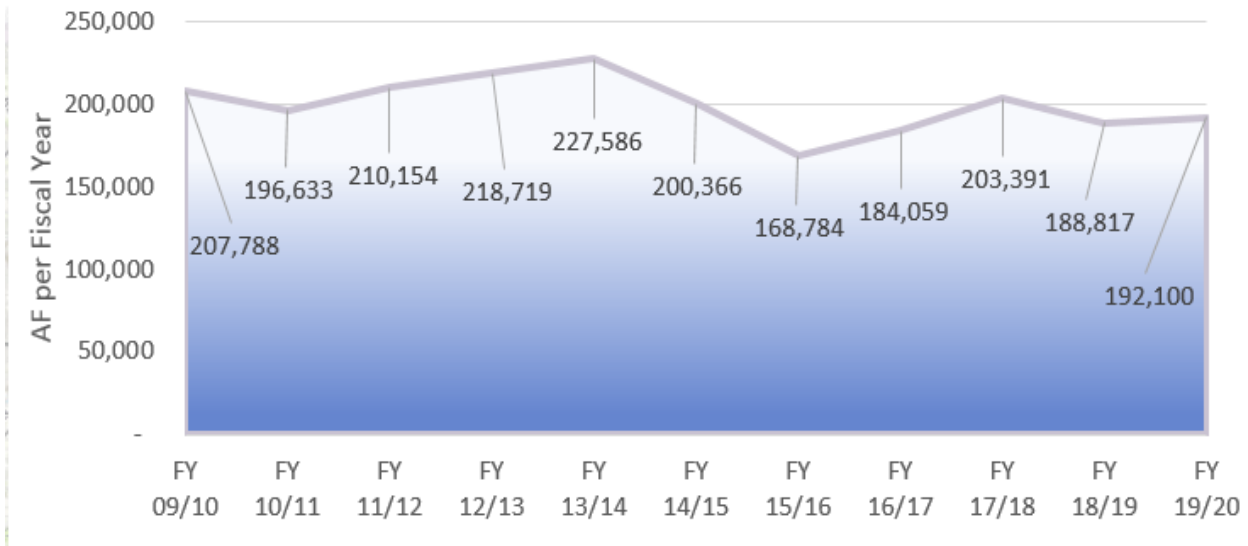
IEUA anticipates a slight increase in FY20/21 water usage due to the continually growing population in the region and the general climate change trend of projected temperature increases. However, long-term demands are not expected to exceed the peak 10 year demand of 227,586 AF reached during the FY 13/14 drought. Current water usage is below the low demand forecast outlined in IEUA's 2015 Integrated Resources Plan (IRP). This analysis came from demand modeling conducted as part of the IRP and Urban Water Management Plan (UWMP) which found

### Total Regional Monthly Water Usage FY 19/20 Comparison to FY18/19



## IEUA Member Agency Overall Total Water Use Trend

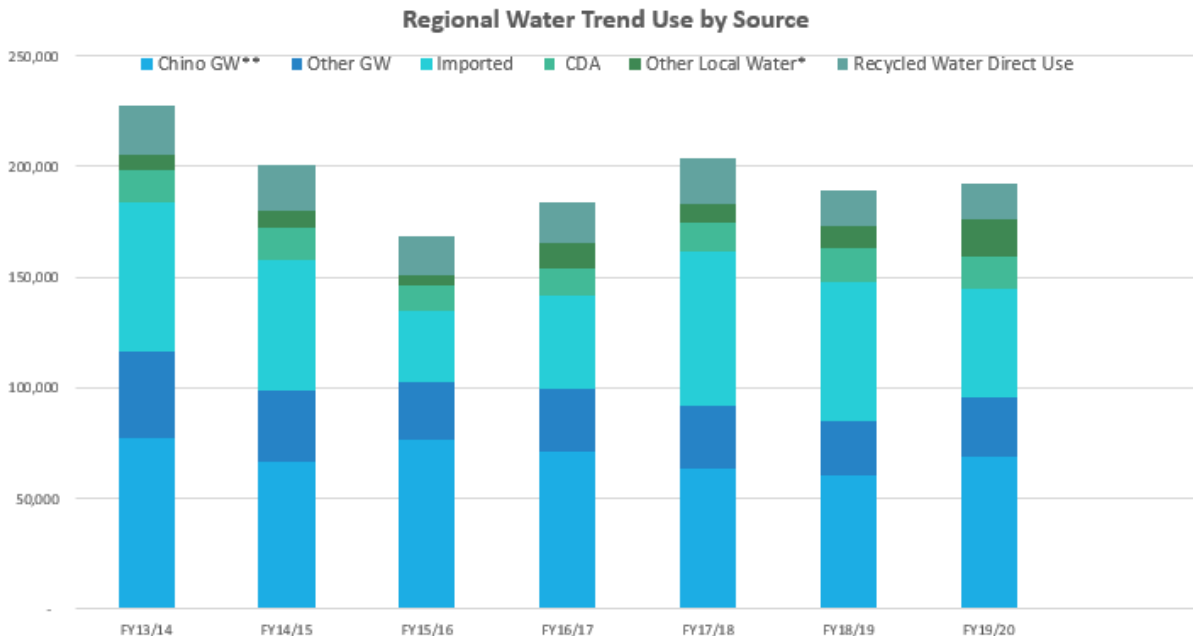
### IEUA Member Agency Overall Water Use (AF)



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

that new developments in the region are more water efficient due to changes in the plumbing code, higher density developments with less landscaping, and compliance landscape ordinance requirements set forth in AB1881. FY19/20 usage is roughly 9% below the 2020 predicted usage found in the low demand IRP forecast. A continual focus on water use efficiency and per capita reductions, as required in SB X7-7, is anticipated to continue reducing per capita water use and demands.

## Regional Water Trend Use by Source



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

\*\*FY19/20 includes 17,395AF voluntary production from MWD's Dry Year Yield Conjunctive Use Program

In addition, the region is continuing to diversify and maximize local resource development including recycled water, expand water use efficiency programs, and increase groundwater storage as outlined in the IRP. 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:

- *Water Use Efficiency (WUE):* IEUA and its member agencies continue to offer water use efficiency programs outlined in the 2015-2020 Regional Water use Efficiency Business Plan. With outdoor irrigation accounting for 60% of total urban water demand, the recent focus has been to increase efficiency programs targeting outdoor irrigation. IEUA and the Metropolitan Water District (MWD) continue to provide a combined Turf Replacement Rebate of \$3 per square foot of turf removed. IEUA’s new WUE efforts include a pilot study, co-sponsored by MWD, whose goal is to quantify the water savings achieved by conducting minor irrigation repairs on residential homes. IEUA has also started to offer a direct discount program on smart home water usage trackers.
- *RP-5 Upgrade:* The addition of a new membrane bio-reactor to the RP-5 facility in Chino will allow for greater treatment and recycled water recovery. The RP-5 expansion project construction award was approved July 15th, 2020 and construction is scheduled to last until 2025. The project received \$196.4 million in funding from the EPA in the form of a Water Infrastructure Finance and Innovation Act (WIFIA) Loan.
- *Lower Day Basin Improvements:* Improvements to the Lower Day Basin are currently under construction with the goal of improving the basin storage and stormwater capture capabilities for groundwater recharge. The total project budget is \$4 million and construction is expected to be completed November 2020.
- *2020 Urban Water Management Plan (UWMP):* As required in the California Water Code, IEUA has begun preparation of the 2020 UWMP. The 2020 UWMP supports long-term resource planning to ensure that adequate water supplies are available to meet existing and future water needs. The latest version of the UWMP will be focused on IEUA from a wholesale perspective. A draft available for public comment is expected for release Q1 of 2021, pending the release date of the 2020 UWMP guidebook by the California Department of Water Resources.

*IEUA would like to thank its member agencies for their assistance in compiling the data contained in this report. Specifically, Amanda Coker (City of Chino), Mark Wiley (City of Chino Hills), Praseetha Krishnan & Eduardo Espinoza (Cucamonga Valley Water District), Cris Fealy & Josh Swift (Fontana Water Company), Van Jew & Michelle Licea (Monte Vista Water District), Chris Bonadurer (City of Ontario), Roberta Thomas (San Antonio Water Company), and John Robles, Norberto Ferreira, & Rosemary Hoerning (City of Upland).*

## **SECTION 1**

### **Total Water Resources Data from FY 19/20**

# Total IEUA Service Area Water Use For FY 19/20

FY 19-20		Total IEUA Service Area Water Use by Retail Agency for FY 19-20 (AFY)								
		CHINO	CHINO HILLS	ONTARIO	UPLAND	CVWD	FWC	MVWD	SAWCo	TOTAL
Purchases from IEUA	Imported Water (MWD)	4,960	1,700	6,509	3,390	14,343	9,212	8,921	0	49,035
	Recycled (Direct Use)	4,795	1,417	7,817	703	1,038	211	298	0	16,278
<b>Subtotal</b>		<b>9,755</b>	<b>3,117</b>	<b>14,326</b>	<b>4,093</b>	<b>15,381</b>	<b>9,423</b>	<b>9,218</b>	<b>0</b>	<b>65,313</b>
Production	Chino Groundwater	5,208	1,472	18,135	2,449	23,315**	10,427	7,524	614	69,144
	Other Groundwater	0	0	0	1,112	3,618	12,997	0	8,708	26,436
	Local Surface Water	0	0	0	0	4,744	4,957	0	6,951	16,652
<b>Subtotal</b>		<b>5,208</b>	<b>1,472</b>	<b>18,135</b>	<b>3,561</b>	<b>31,677</b>	<b>28,381</b>	<b>7,524</b>	<b>16,274</b>	<b>112,232</b>
Purchases from Other Agencies	CDA	4,341	3,669	6,639	0	0	0	0	0	14,649
	MVWD*	0	6,235	0	0	0	0	0	0	6,235
	SAWCo Water	0	0	566	9,015	0	0	0	0	9,581
	West End	0	0	0	1,851	0	0	0	0	1,851
	CVWD	0	0	0	0	0	0	0	0	0
<b>Subtotal</b>		<b>4,341</b>	<b>9,904</b>	<b>7,205</b>	<b>10,866</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32,316</b>
Sales to Other Agencies*	Chino Hills	0	0	0	0	0	0	-7,707	0	-7,707
	Ontario	0	0	0	0	0	0	0	-565	-565
	Upland	0	0	0	0	0	0	0	-8,832	-8,832
	MVWD	0	0	0	0	0	0	0	-657	-657
<b>Subtotal</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-7,707</b>	<b>-10,054</b>	<b>-17,761</b>
<b>Total</b>		<b>19,303</b>	<b>14,493</b>	<b>39,666</b>	<b>18,520</b>	<b>47,059</b>	<b>37,804</b>	<b>9,035</b>	<b>6,219</b>	<b>192,100</b>

\* MVWD sales are a blend of Chino Groundwater and Imported Water

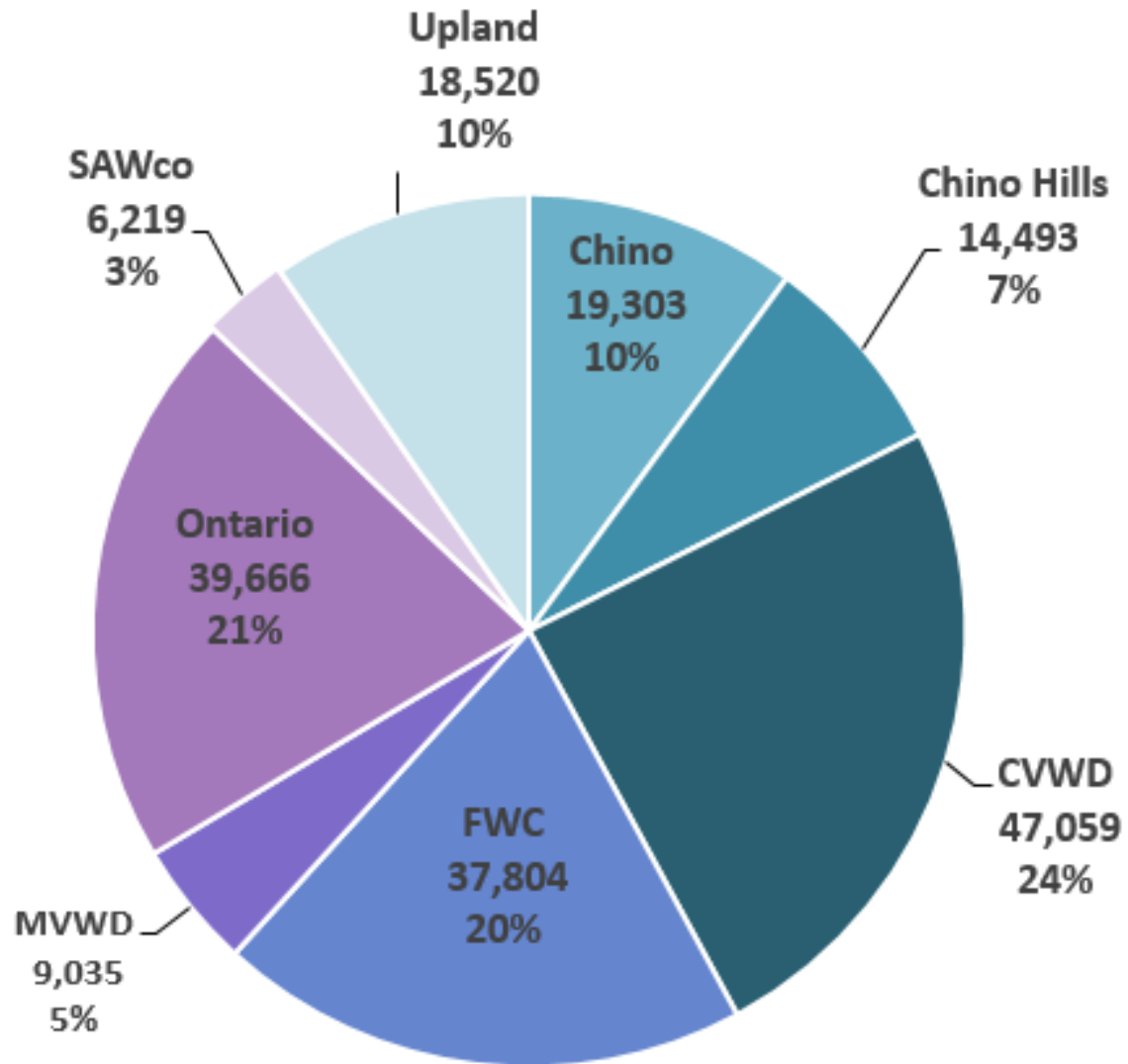
\*\*Chino Groundwater includes 17,395 AF of Dry Year Yield production by CVWD

Note: All recycled water numbers in this report are based off IEUA operations data and are for direct use only.

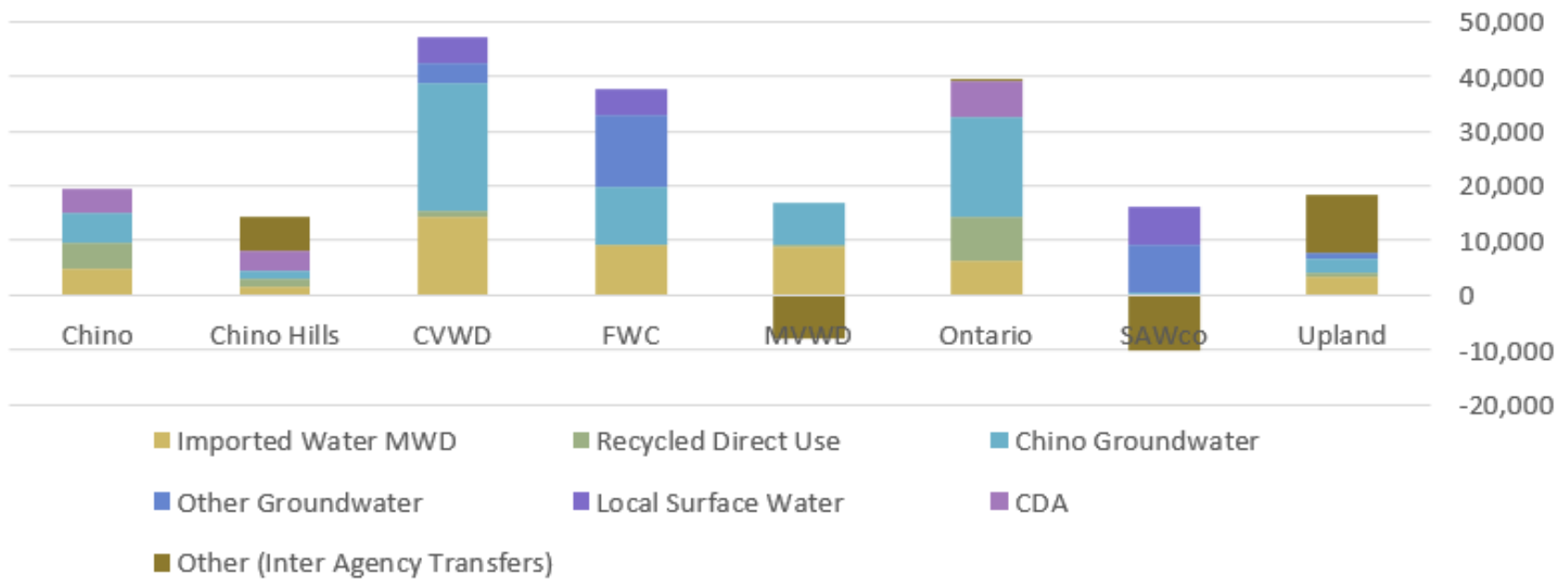
Recycled water used for groundwater recharge may be found in the Recycled Water Report.



# Total IEUA Service Area Water Use For FY 19/20



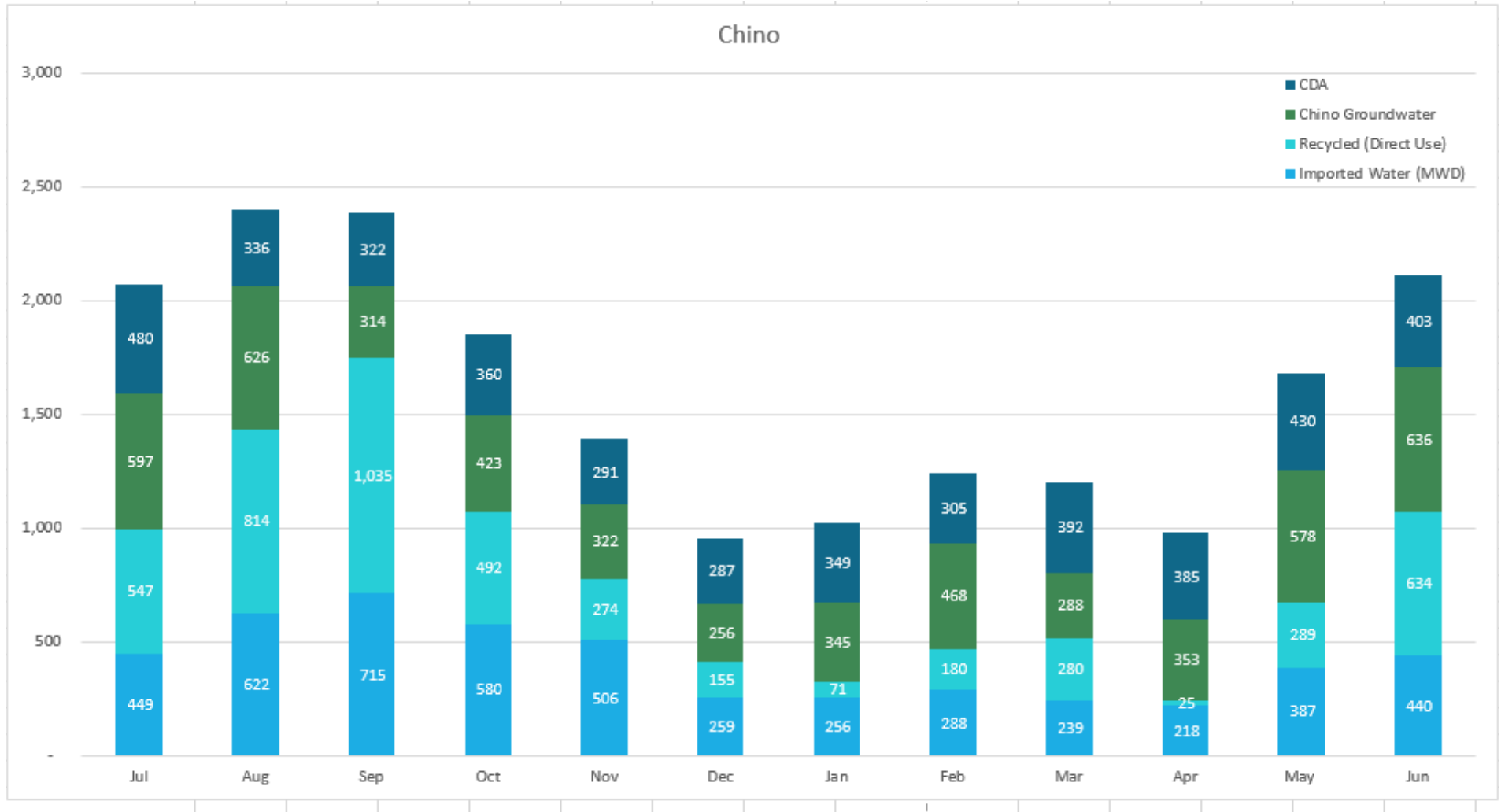
# Total IEUA Service Area Water Use For FY 19/20



## **SECTION 2**

### **Retail Water Use Data from FY 19/20 by Agency**

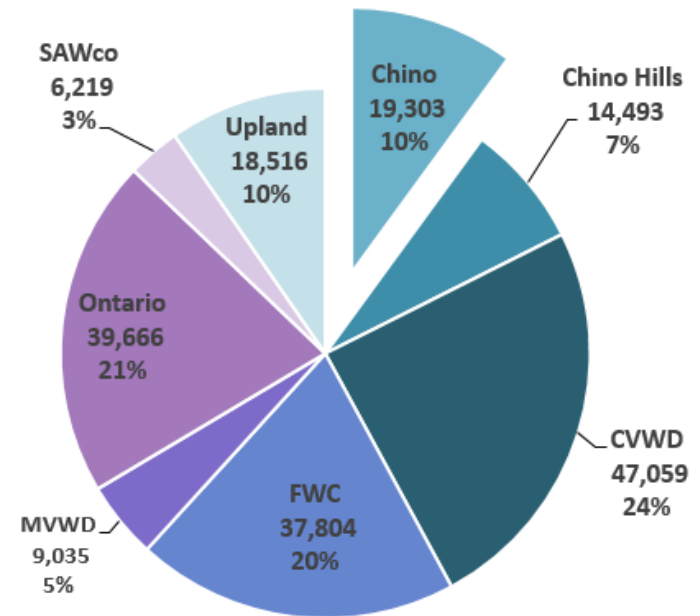
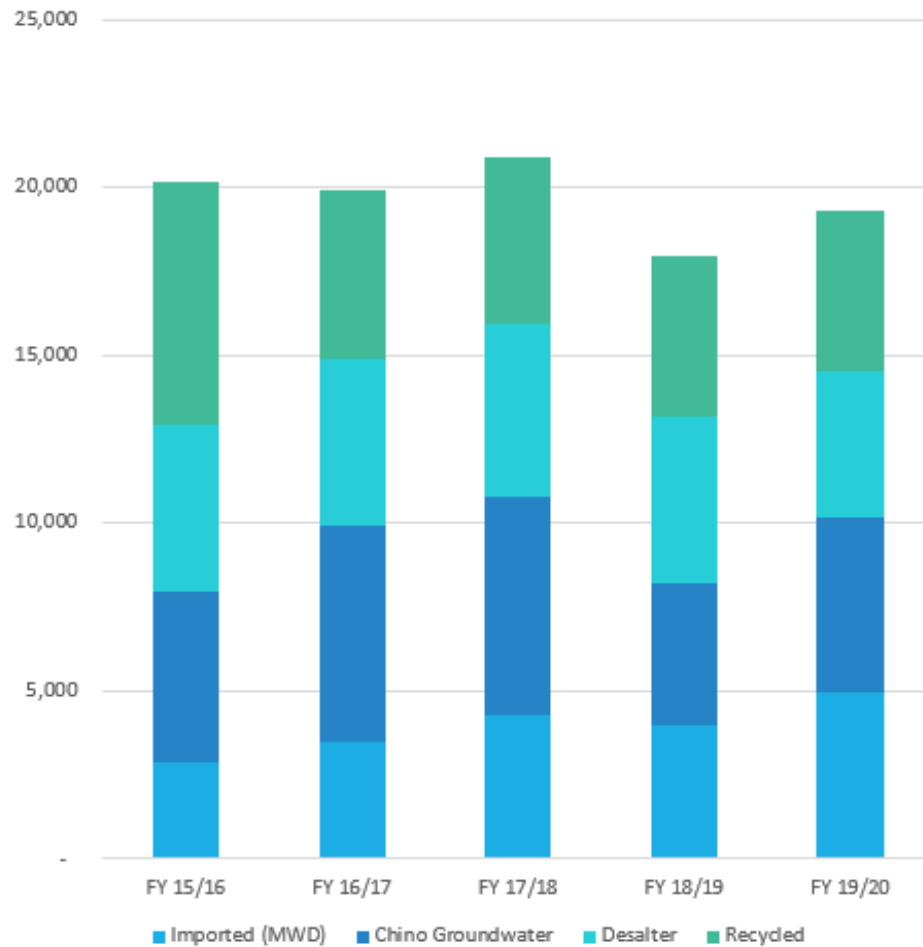
# FY 19/20 Water Use Report City of Chino



# FY 19/20 Water Use Report

## City of Chino

5 - Year Water Production Trend  
Chino



**In FY 2019/20, The City of Chino used 10% (19,303 AF) of 192,095 AF used in the IEUA service area.**

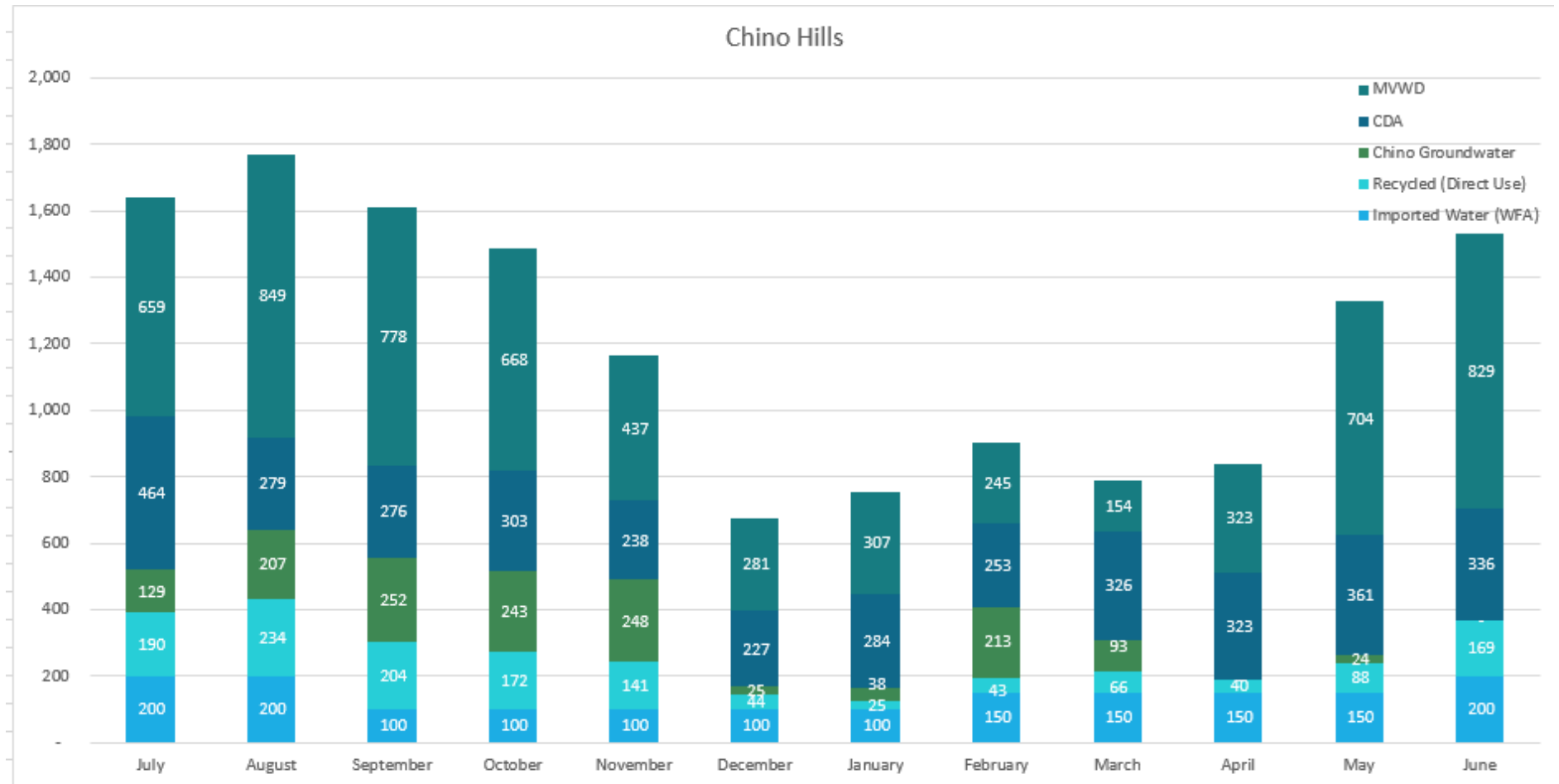
# FY 19/20 Water Use Report

## City of Chino

		Total IEUA Service Area Water Use By Agency for FY19-20 (AF)										City of Chino		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (WFA)	449	622	715	580	506	259	256	288	239	218	387	440	4,960
	Recycle (Direct Use)	547	814	1,035	492	274	155	71	180	280	25	289	634	4,795
Subtotal		996	1,437	1,750	1,072	780	413	327	469	519	243	676	1,074	9,755
Production	Chino Groundwater	597	626	314	423	322	256	345	468	288	353	578	636	5,208
Subtotal		597	626	314	423	322	256	345	468	288	353	578	636	5,208
Purchases from other agencies	CDA	480	336	322	360	291	287	349	305	392	385	430	403	4,341
Subtotal		480	336	322	360	291	287	349	305	392	385	430	403	4,341
Total		2,074	2,399	2,386	1,855	1,393	957	1,021	1,242	1,199	981	1,684	2,113	19,303

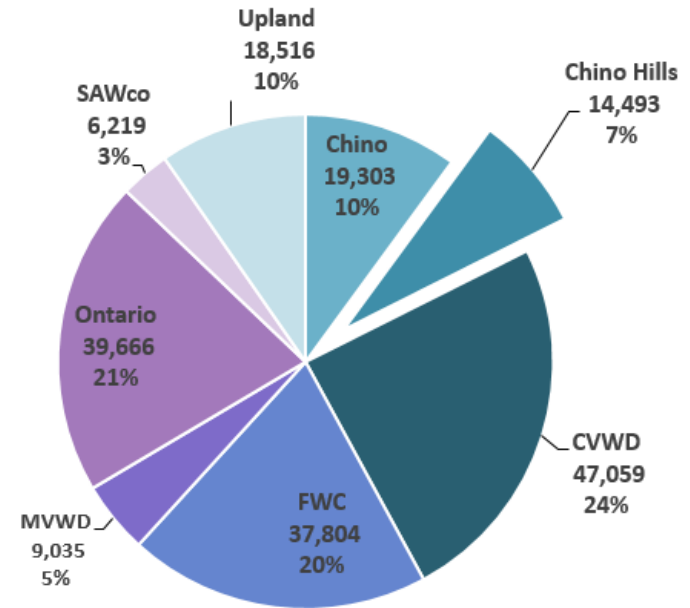
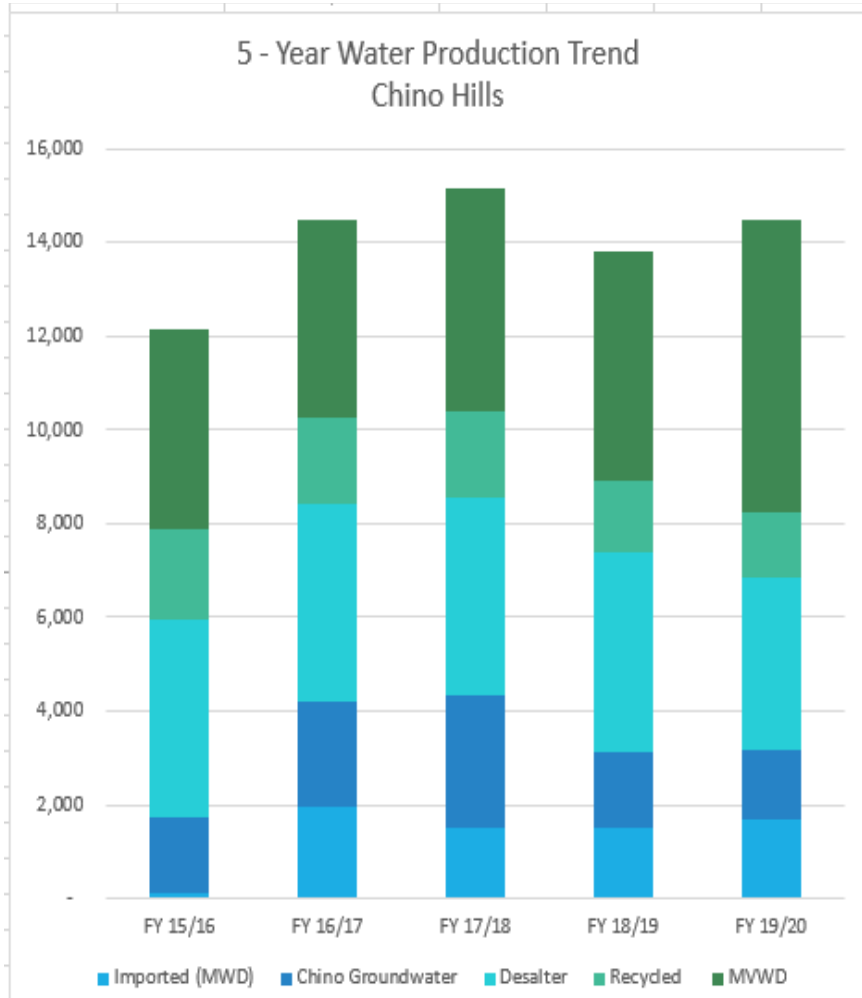
# FY 19/20 Water Use Report

## City of Chino Hills



# FY 19/20 Water Use Report

## City of Chino Hills



**In FY 2019/20 The City of Chino Hills used 7% (14,493 AF) of 192,095 AF used in the IEUA service area.**



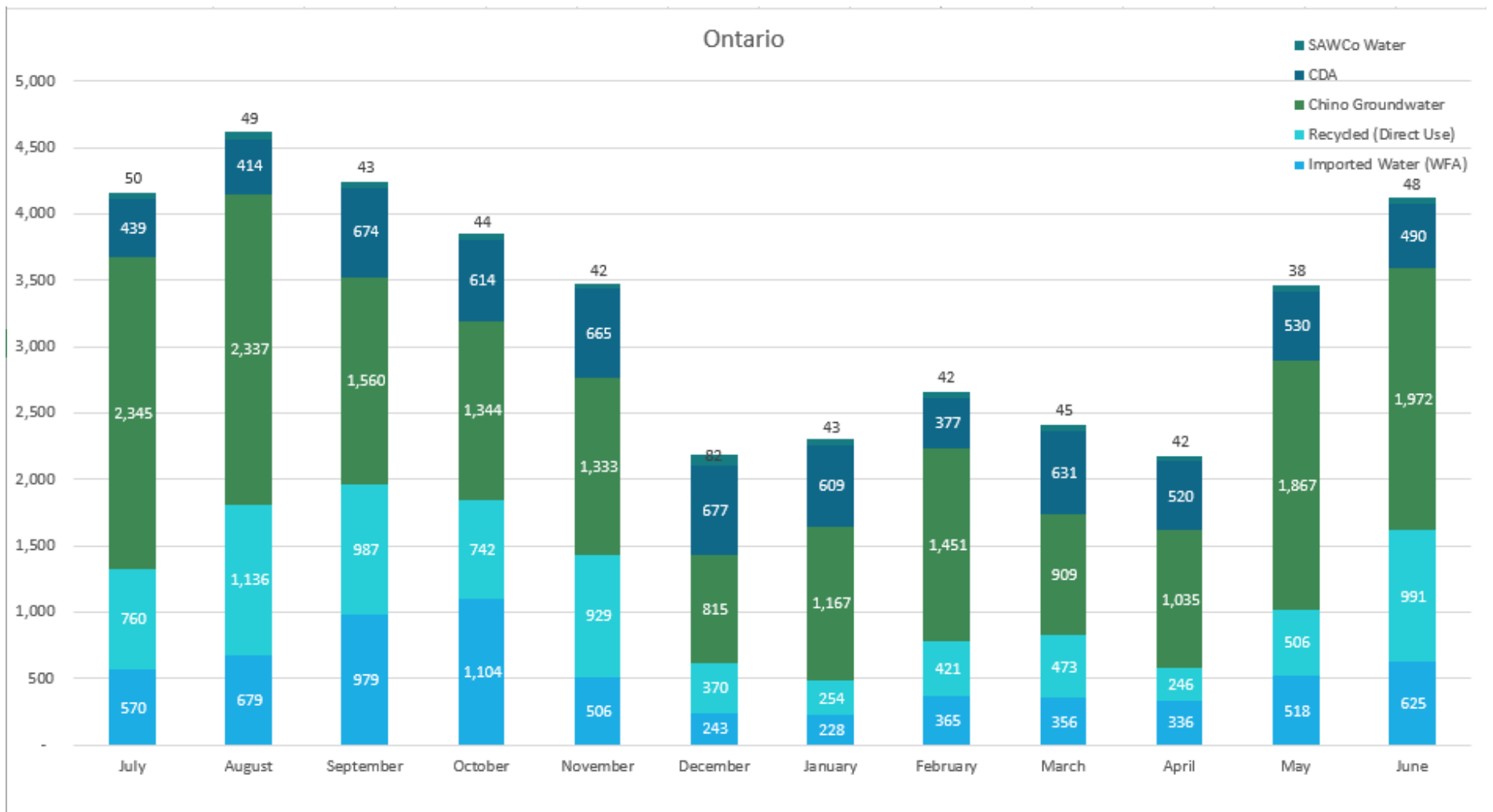
# FY 19/20 Water Use Report

## City of Chino Hills

		Total IEUA Service Area Water Use By Agency for FY19-20 (AF)										City of Chino Hills		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (WFA)	200	200	100	100	100	100	100	150	150	150	150	200	1,700
	Recycle (Direct Use)	190	234	204	172	141	44	25	43	66	40	88	169	1,417
Subtotal		390	434	304	272	241	144	125	193	216	190	238	369	3,117
Production	Chino Groundwater	129	207	252	243	248	25	38	213	93	-	24	-	1,472
Subtotal		129	207	252	243	248	25	38	213	93	-	24	-	1,472
Purchase from other agencies	CDA	464	279	276	303	238	227	284	253	326	323	361	336	3,669
	MVWD	659	849	778	668	437	281	307	245	154	323	704	829	6,235
Subtotal		1,122	1,128	1,054	971	675	508	591	498	480	646	1,065	1,164	9,904
Total		1,641	1,769	1,611	1,486	1,164	677	754	904	789	836	1,328	1,533	14,493

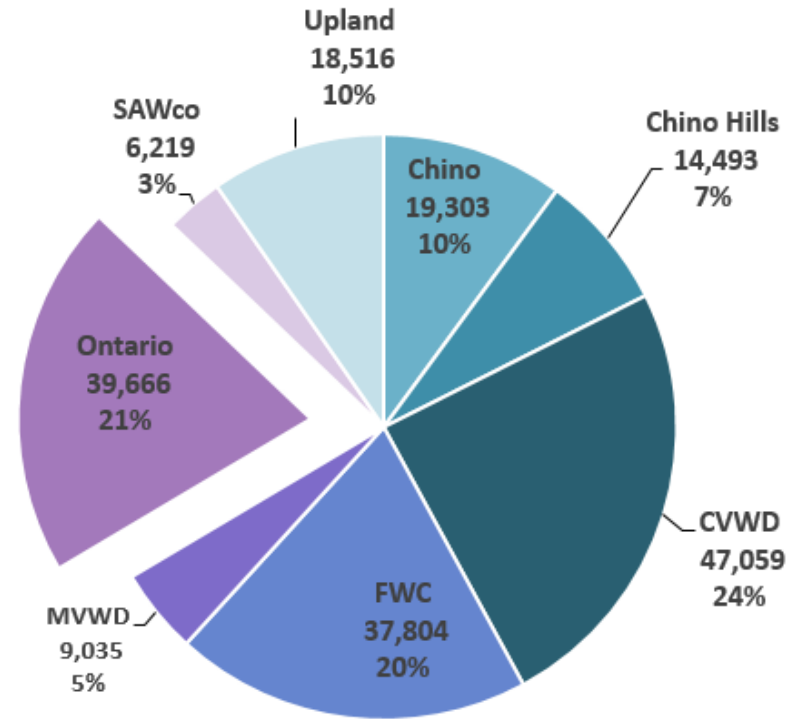
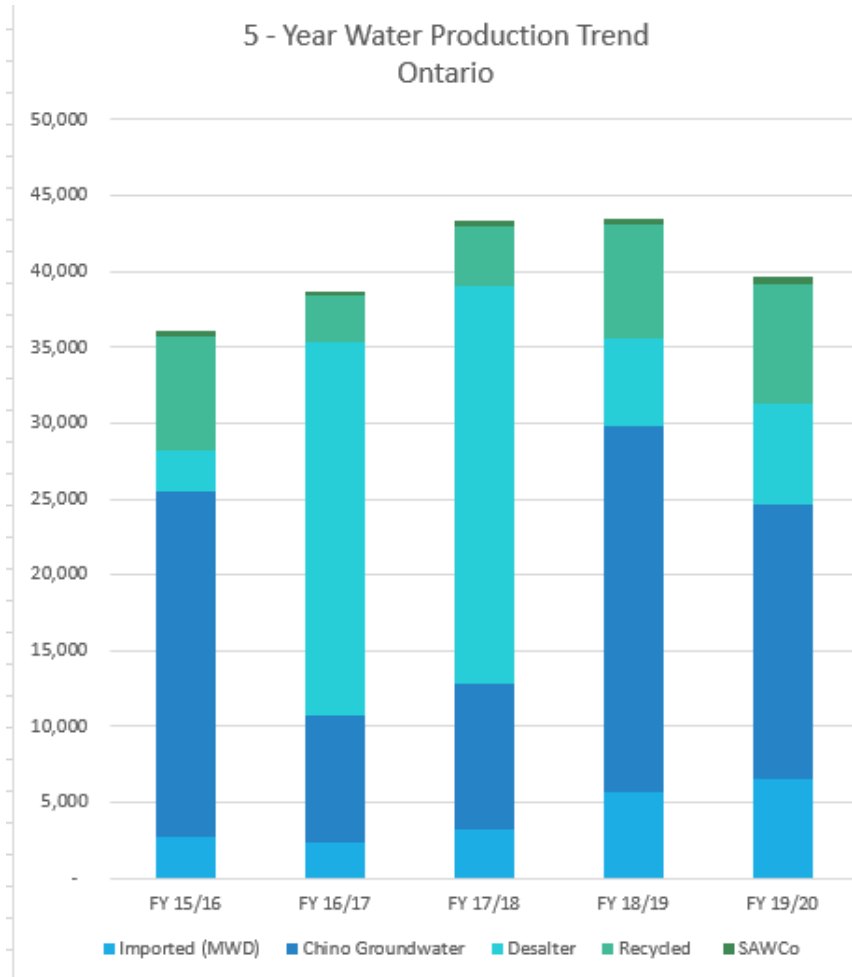
# FY 19/20 Water Use Report

## City of Ontario



# FY 19/20 Water Use Report

## City of Ontario



In FY 2019/20, The City of Ontario used 21% (39,666 AF) of 192,095 AF used in the IEUA service area.

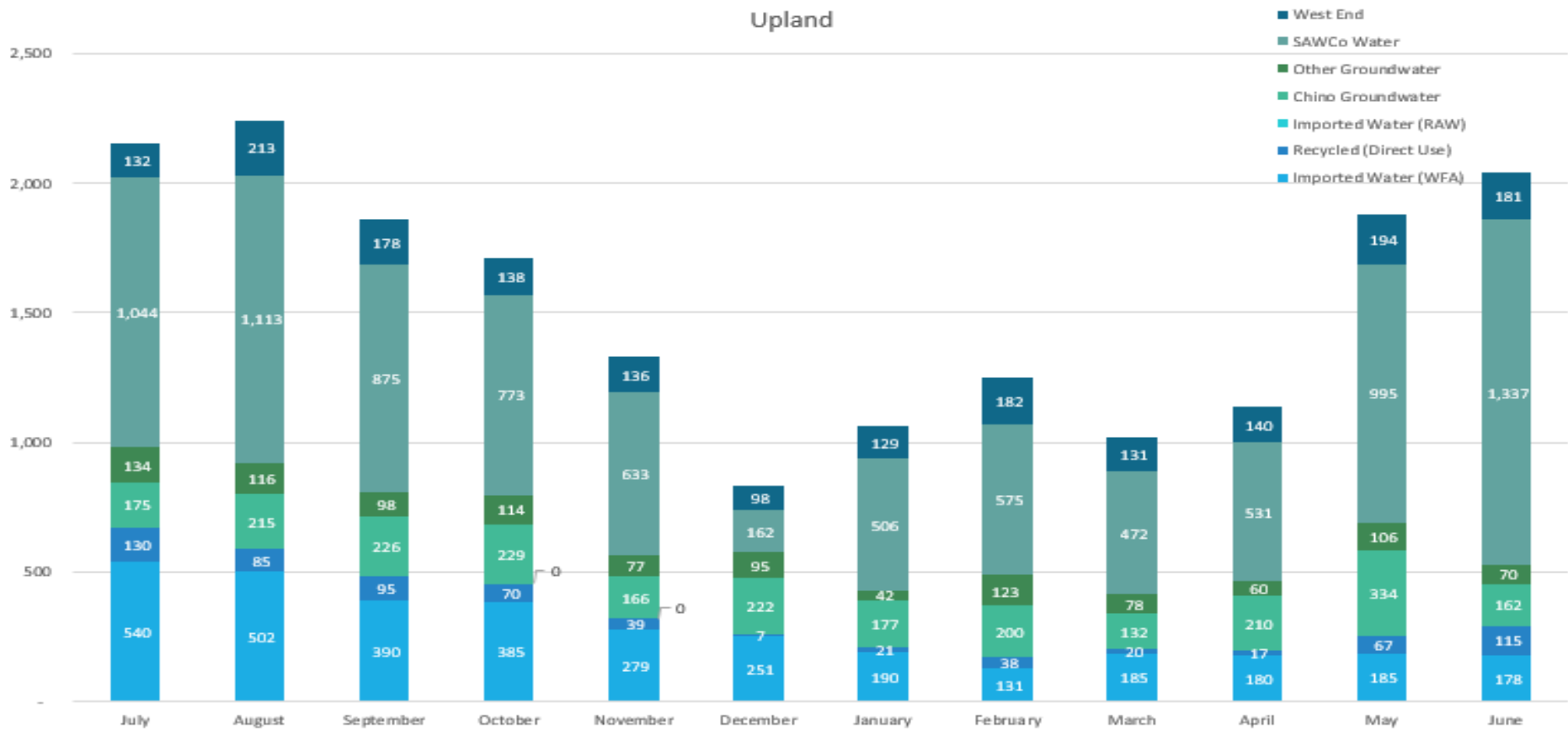
# FY 19/20 Water Use Report

## City of Ontario

		Total IEUA Service Area Water Use By Agency for FY19-20 (AF)										City of Ontario		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (WFA)	570	679	979	1,104	506	243	228	365	356	336	518	625	6,509
	Recycle (Direct Use)	760	1,136	987	742	929	370	254	421	473	246	506	991	7,817
Subtotal		1,330	1,815	1,966	1,846	1,435	613	483	786	829	582	1,023	1,617	14,326
Production	Chino Groundwater	2,345	2,337	1,560	1,344	1,333	815	1,167	1,451	909	1,035	1,867	1,972	18,135
Subtotal		2,345	2,337	1,560	1,344	1,333	815	1,167	1,451	909	1,035	1,867	1,972	18,135
Purchase from other agencies	CDA	439	414	674	614	665	677	609	377	631	520	530	490	6,639
	SAWCo Water	50	49	43	44	42	82	43	42	45	42	38	48	566
Subtotal		489	463	716	657	708	758	652	418	676	562	568	538	7,205
Total		4,163	4,615	4,243	3,847	3,476	2,187	2,301	2,656	2,414	2,179	3,458	4,127	39,666

# FY 19/20 Water Use Report

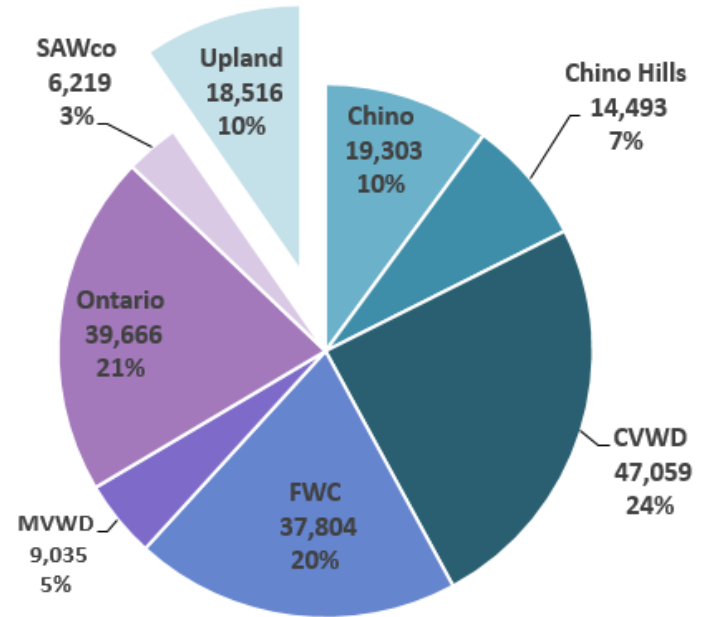
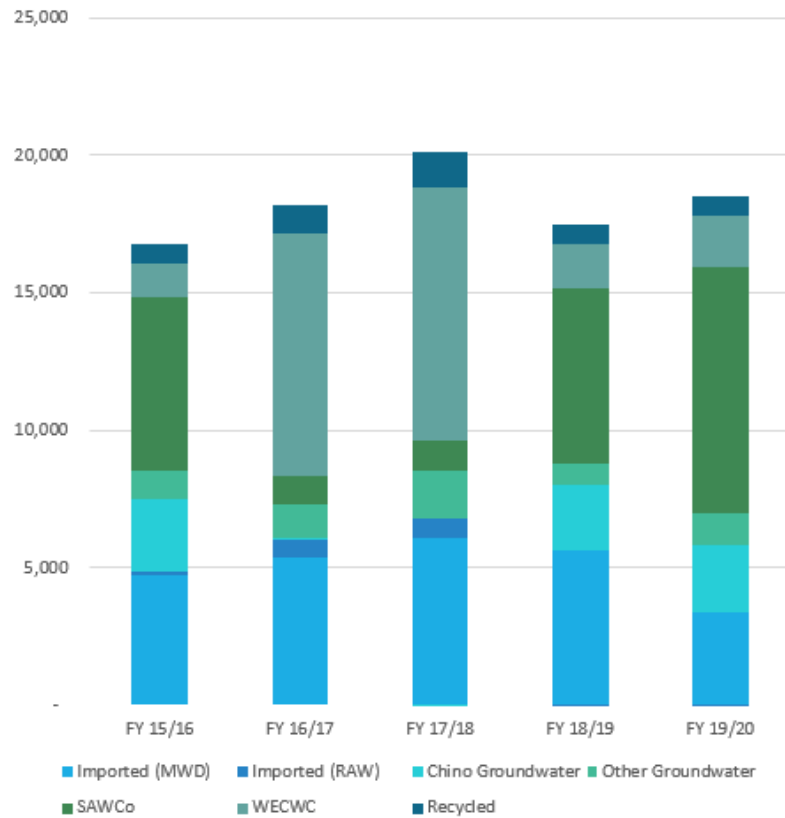
## City of Upland



# FY 19/20 Water Use Report

## City of Upland

5 - Year Water Production Trend  
Upland



**In FY 2019/20, The City of Upland used 10% (18,516 AF) of 192,095 AF used in the IEUA service area.**

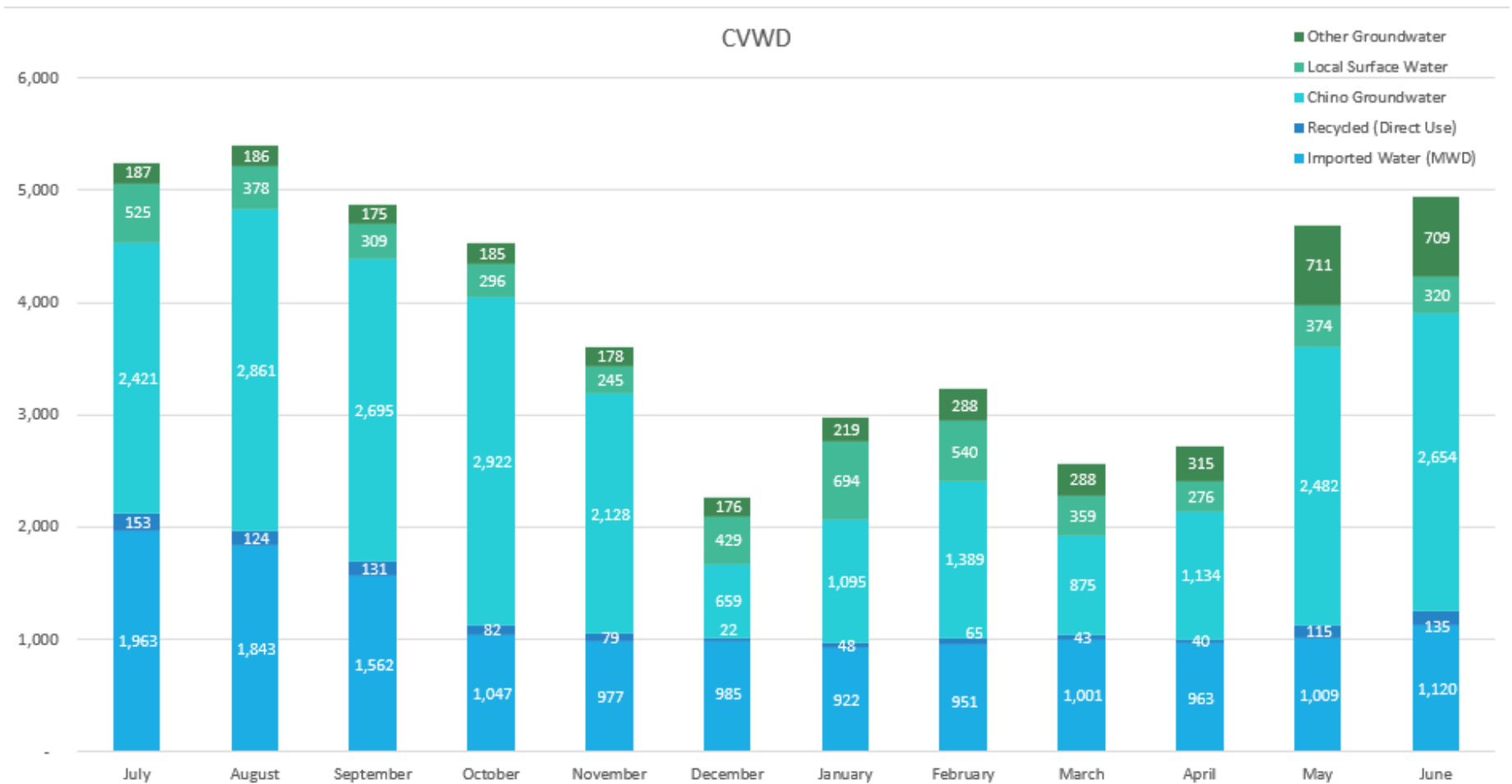
# FY 19/20 Water Use Report

## City of Upland

		Total IEUA Service Area Water Use By Agency for FY19-20 (AF)										City of Upland		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (WFA)	540	502	390	385	279	251	190	131	185	180	185	178	3,395
	Recycle (Direct Use)	130	85	95	70	39	7	21	38	20	17	67	115	703
	Imported Water (RAW)	(2)	(3)	-	-	-	-	-	-	-	-	-	-	(5)
Subtotal		668	584	485	455	318	258	211	169	205	197	251	293	4,093
Production	Chino Groundwater	175	215	226	229	166	222	177	200	132	210	334	162	2,449
	Other Groundwater	134	116	98	114	77	95	42	123	78	60	106	70	1,112
Subtotal		310	331	324	343	243	317	219	323	210	270	440	232	3,561
Purchase from other agencies	SAWCo Water	1,044	1,113	875	773	633	162	506	575	472	531	995	1,337	9,015
	West End	132	213	178	138	136	98	129	182	131	140	194	181	1,851
Subtotal		1,175	1,326	1,053	911	769	259	634	757	603	671	1,189	1,518	10,866
Total		2,153	2,241	1,862	1,709	1,330	834	1,064	1,249	1,018	1,138	1,880	2,043	18,520

# FY 19/20 Water Use Report

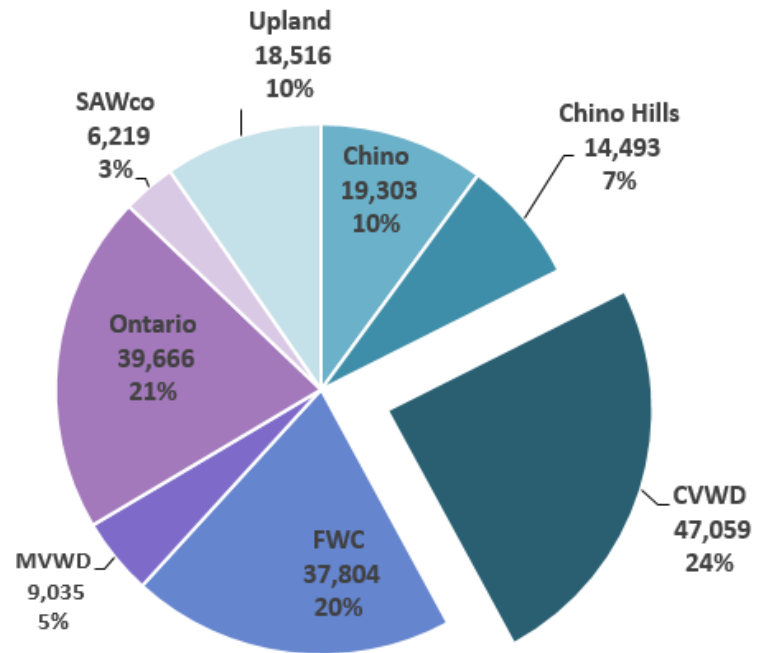
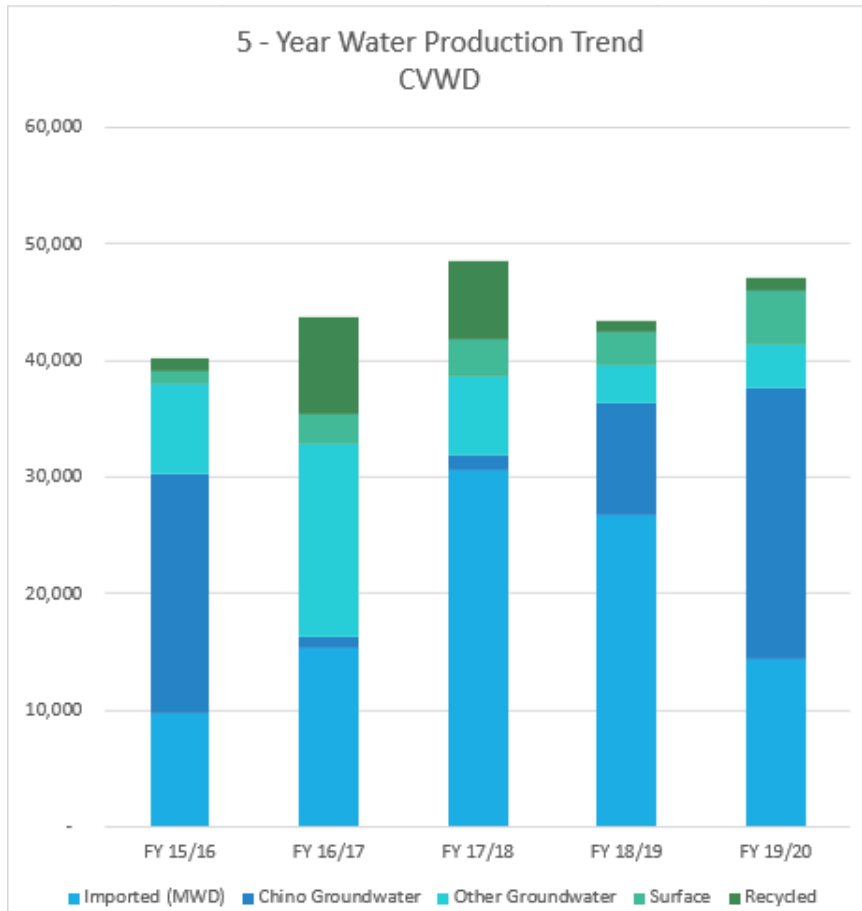
## Cucamonga Valley Water District





# FY 19/20 Water Use Report

## Cucamonga Valley Water District



**In FY 2019/20, Cucamonga Valley Water District used 24% (47,059) of 192,095 AF used in the IEUA service area.**

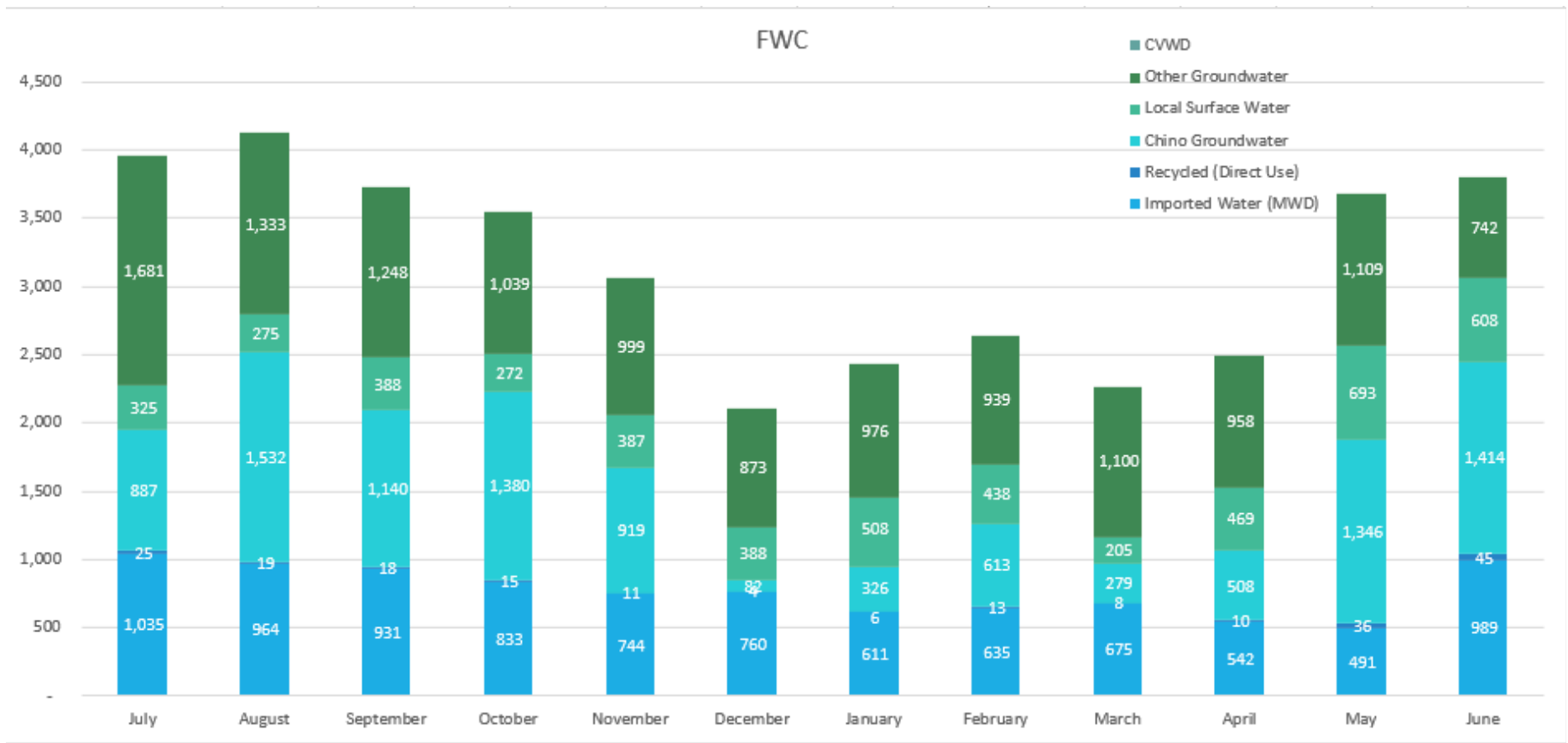
# FY 19/20 Water Use Report

## Cucamonga Valley Water District

		Total IEUA Service Area Water Use By Agency for FY19-20 (AF)										CVWD		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (MWD)	1,963	1,843	1,562	1,047	977	985	922	951	1,001	963	1,009	1,120	14,343
	Recycle (Direct Use)	153	124	131	82	79	22	48	65	43	40	115	135	1,038
Subtotal		2,116	1,967	1,694	1,129	1,056	1,008	970	1,016	1,045	1,003	1,124	1,254	15,381
Production	Chino Groundwater	2,421	2,861	2,695	2,922	2,128	659	1,095	1,389	875	1,134	2,482	2,654	23,315
	Local Surface Water	525	378	309	296	245	429	694	540	359	276	374	320	4,744
	Other Groundwater	187	186	175	185	178	176	219	288	288	315	711	709	3,618
Subtotal		3,133	3,426	3,179	3,403	2,551	1,264	2,008	2,216	1,522	1,725	3,567	3,684	31,677
Total		5,249	5,393	4,872	4,532	3,607	2,272	2,977	3,233	2,567	2,728	4,691	4,938	47,059

# FY 19/20 Water Use Report

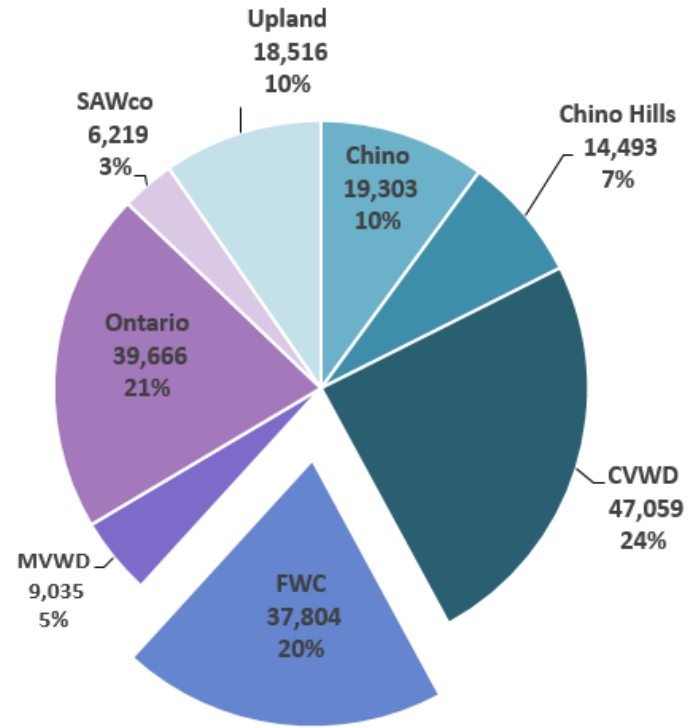
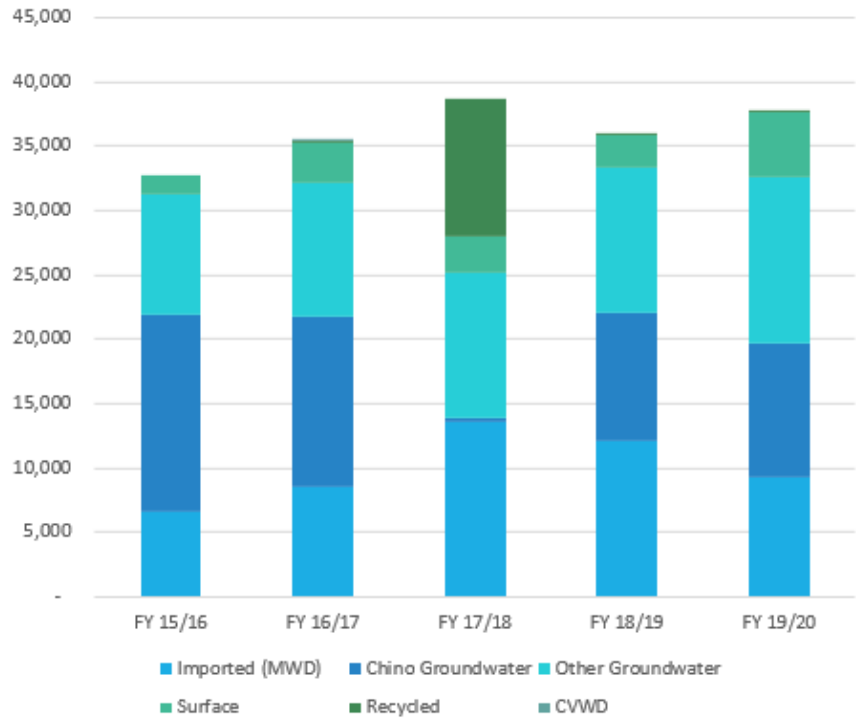
## Fontana Water Company



# FY 19/20 Water Use Report

## Fontana Water Company

5 - Year Water Production Trends  
FWC



**In FY 2019/20, Fontana Water Company used 20% (37,804 AF) of 192,095 AF used in the IEUA service area.**

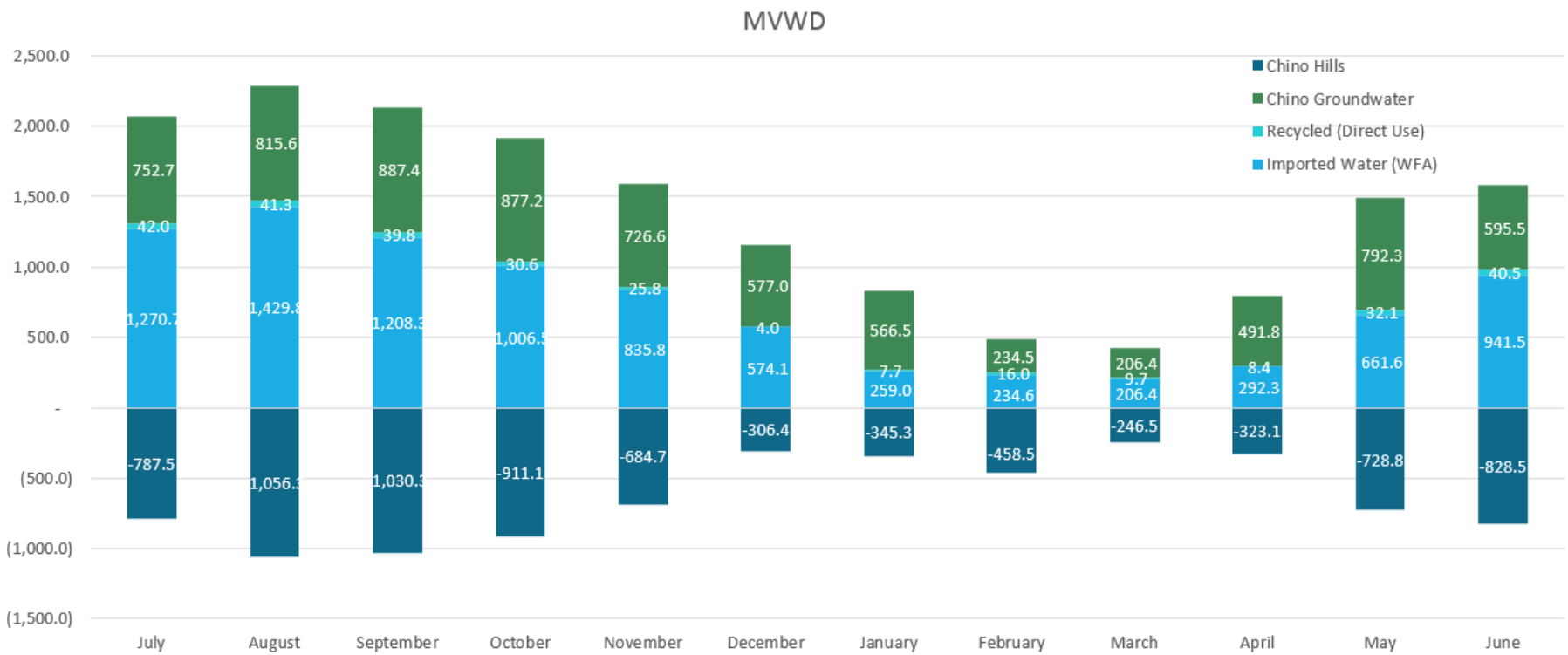
# FY 19/20 Water Use Report

## Fontana Water Company

		Total IEUA Service Area Water Use By Agency for FY19-20 (AF)										FWC		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (MWD)	1,035	964	931	833	744	760	611	635	675	542	491	989	9,212
	Recycle (Direct Use)	25	19	18	15	11	4	6	13	8	10	36	45	211
Subtotal		1,060	983	949	849	756	764	617	648	683	552	527	1,034	9,423
Production	Chino Groundwater	887	1,532	1,140	1,380	919	82	326	613	279	508	1,346	1,414	10,427
	Local Surface Water	325	275	388	272	387	388	508	438	205	469	693	608	4,957
	Other Groundwater	1,681	1,333	1,248	1,039	999	873	976	939	1,100	958	1,109	742	12,997
Subtotal		2,894	3,140	2,776	2,691	2,304	1,343	1,811	1,991	1,585	1,935	3,148	2,764	28,381
Purchase from other agencies	CVWD	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-
Total		3,954	4,124	3,724	3,540	3,060	2,107	2,428	2,639	2,267	2,488	3,675	3,798	37,804

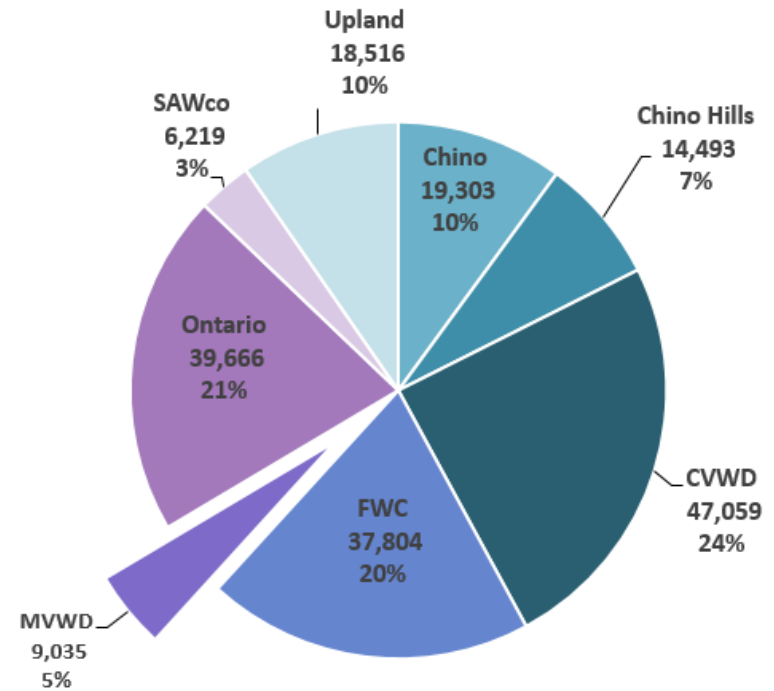
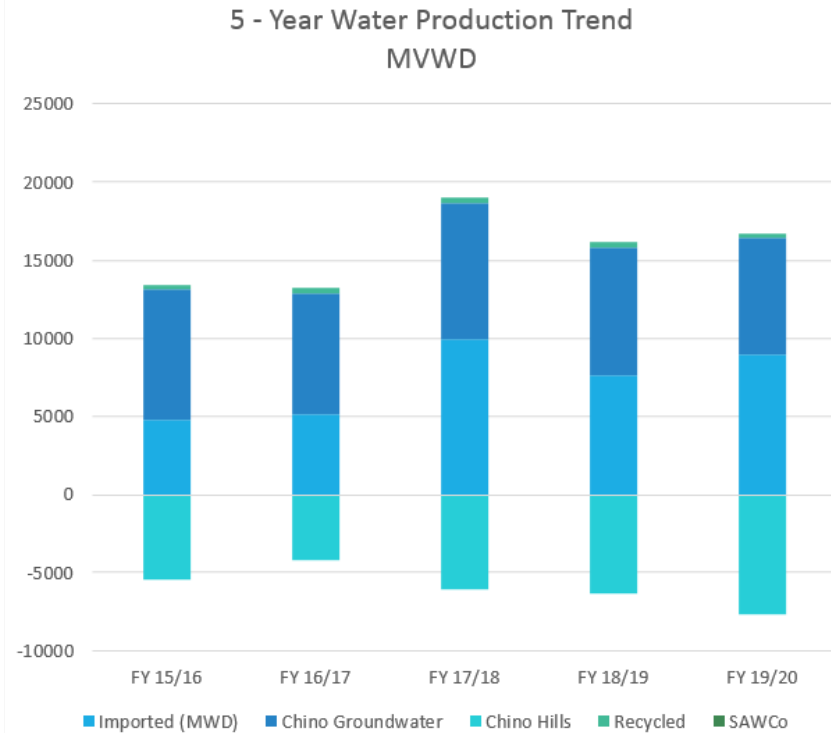
# FY 19/20 Water Use Report

## Monte Vista Water District



# FY 19/20 Water Use Report

## Monte Vista Water District



**In FY 2019/20, Monte Vista Water District used 5% (9,035 AF) of 192,095 AF used in the IEUA service area.**

# FY 19/20 Water Use Report

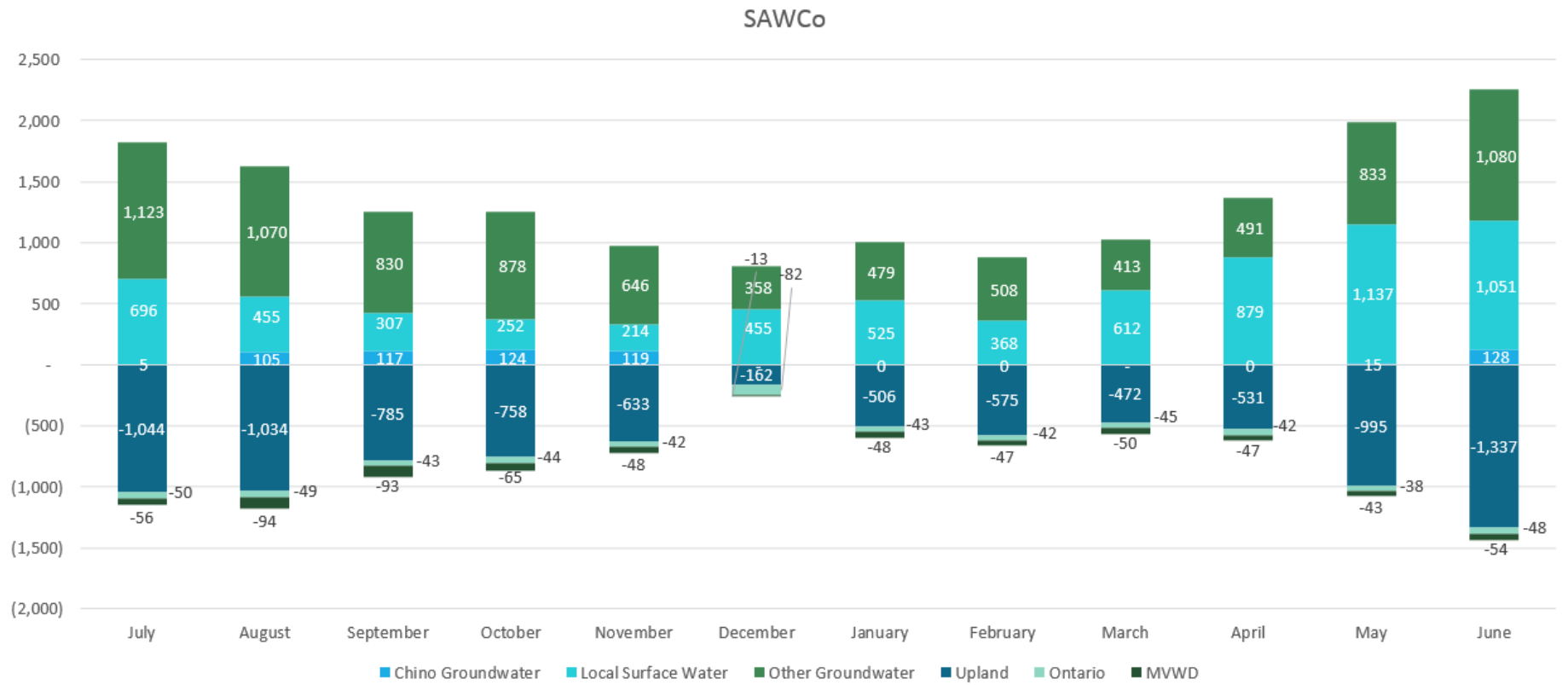
## Monte Vista Water District

		Total IEUA Service Area Water Use By Agency for FY19-20 (AF)										MVWD		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Purchases from IEUA	Imported Water (WFA)	1,271	1,430	1,208	1,007	836	574	259	235	206	292	662	942	8,921
	Recycle (Direct Use)	42	41	40	31	26	4	8	16	10	8	32	40	298
Subtotal		1,313	1,471	1,248	1,037	862	578	267	251	216	301	694	982	9,218
Production	Chino Groundwater	753	816	887	877	727	577	566	235	206	492	792	596	7,524
Subtotal		753	816	887	877	727	577	566	235	206	492	792	596	7,524
Sales to other agencies	Chino Hills	(788)	(1,056)	(1,030)	(911)	(685)	(306)	(345)	(459)	(247)	(323)	(729)	(829)	(7,707)
Subtotal		(788)	(1,056)	(1,030)	(911)	(685)	(306)	(345)	(459)	(247)	(323)	(729)	(829)	(7,707)
Total		1,278	1,230	1,105	1,003	904	849	488	27	176	469	757	749	9,035



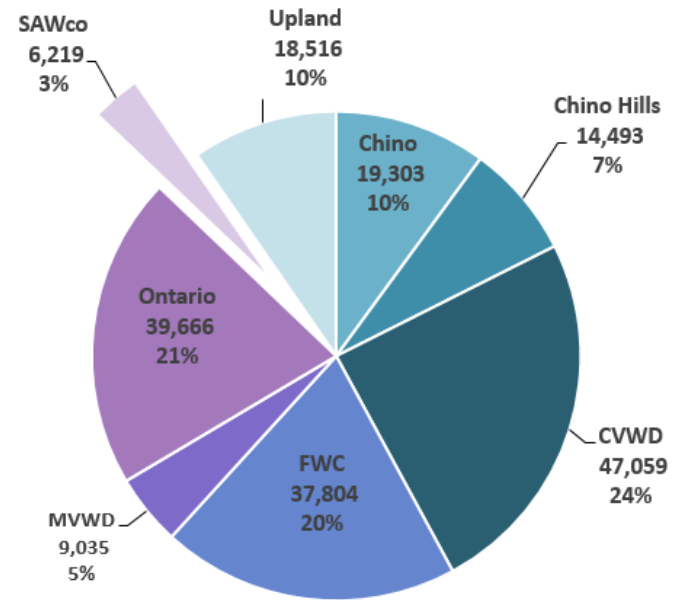
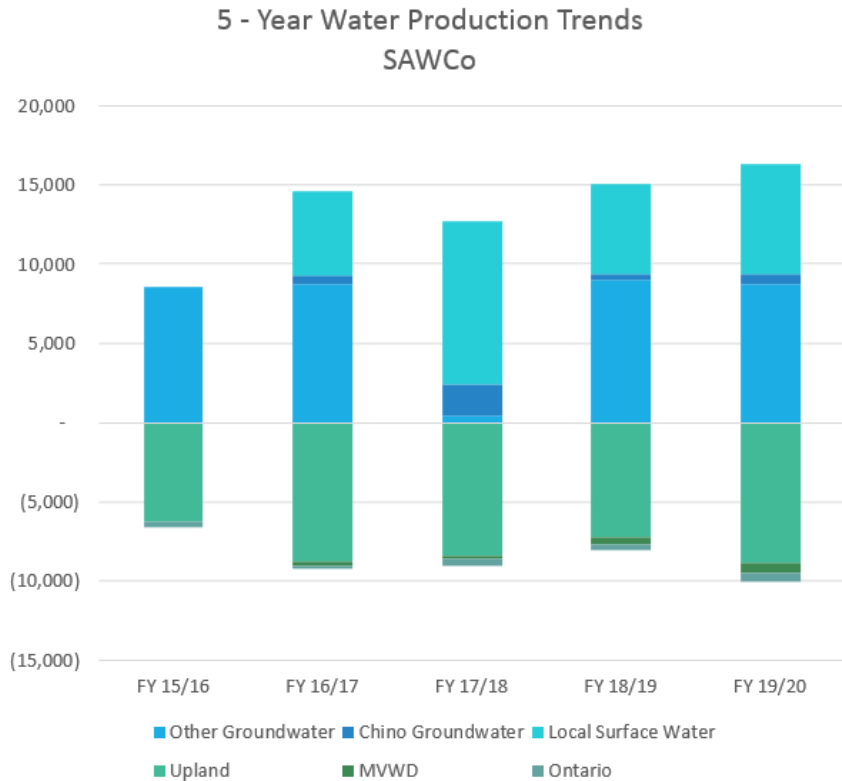
# FY 19/20 Water Use Report

## San Antonio Water Company



# FY 19/20 Water Use Report

## San Antonio Water Company



**In FY 2019/20, San Antonio Water Company used 3% (6,219AF) of 192,095 AF used in the IEUA service area.**

# FY 19/20 Water Use Report

## San Antonio Water Company

		Total IEUA Service Area Water Use By Agency for FY19-20 (AF)										SAWCo		
		July	August	September	October	November	December	January	February	March	April	May	June	Total
Production	Chino Groundwater	5	105	117	124	119	-	0	0	-	0	15	128	614
	Local Surface Water	696	455	307	252	214	455	525	368	612	879	1,137	1,051	6,951
	Other Groundwater	1,123	1,070	830	878	646	358	479	508	413	491	833	1,080	8,708
Subtotal		1,824	1,630	1,254	1,254	978	813	1,004	876	1,025	1,370	1,986	2,259	16,274
Sales to other agencies	Upland	(1,044)	(1,034)	(785)	(758)	(633)	(162)	(506)	(575)	(472)	(531)	(995)	(1,337)	(8,832)
	Ontario	(50)	(49)	(43)	(44)	(42)	(82)	(43)	(42)	(45)	(42)	(38)	(48)	(565)
	MVWD	(56)	(94)	(93)	(65)	(48)	(13)	(48)	(47)	(50)	(47)	(43)	(54)	(657)
Subtotal		(1,149)	(1,177)	(921)	(866)	(723)	(256)	(597)	(664)	(566)	(620)	(1,076)	(1,438)	(10,054)
Total		675	453	333	388	255	557	407	212	459	750	909	820	6,219

**APPENDIX A**  
**Five year Historical Data Summary**

FY 18-19		Total IEUA Service Area Water Use by Retail Agency for FY 18-19 (AFY)								
		CHINO	CHINO HILLS	ONTARIO	UPLAND	CVWD	FWC	MVWD	SAWCo	TOTAL
Purchases from IEUA	Imported Water (MWD)	3,955	1,500	5,737	5,602	26,691	12,075	7,669	0	63,230
	Recycled (Direct Use)	4,759	1,548	7,512	709	996	143	289	0	15,956
<b>Subtotal</b>		<b>8,715</b>	<b>3,048</b>	<b>13,249</b>	<b>6,311</b>	<b>27,687</b>	<b>12,219</b>	<b>7,958</b>	<b>0</b>	<b>79,186</b>
Production	Chino Groundwater	4,220	1,609	24,079	2,381	9,624	9,961	8,167	376	60,417
	Other Groundwater	0	0	0	762	3,259	11,280	0	8,993	24,294
	Local Surface Water	0	0	0	0	2,871	2,503	0	5,701	11,075
<b>Subtotal</b>		<b>4,220</b>	<b>1,609</b>	<b>24,079</b>	<b>3,142</b>	<b>15,754</b>	<b>23,743</b>	<b>8,167</b>	<b>15,070</b>	<b>95,786</b>
Purchases from Other Agencies	CDA	5,018	4,270	5,722	0	0	0	0	0	15,010
	MVWD*	0	4,893	0	0	0	0	0	0	4,893
	SAWCo Water	0	0	403	6,376	0	0	0	0	6,778
	West End	0	0	0	1,596	0	0	0	0	1,596
	CVWD	0	0	0	0	0	0	0	0	0
<b>Subtotal</b>		<b>5,018</b>	<b>9,162</b>	<b>6,125</b>	<b>7,972</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28,277</b>
Sales to Other Agencies*	Chino Hills	0	0	0	0	0	0	-6,351	0	-6,351
	Ontario	0	0	0	0	0	0	0	-403	-403
	Upland	0	0	0	0	0	0	0	-7,225	-7,225
	MVWD	0	0	0	0	0	0	0	-454	-454
<b>Subtotal</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-6,351</b>	<b>-8,081</b>	<b>-14,432</b>
<b>Total</b>		<b>17,953</b>	<b>13,819</b>	<b>43,453</b>	<b>17,426</b>	<b>43,441</b>	<b>35,962</b>	<b>9,774</b>	<b>6,989</b>	<b>188,817</b>

\* MVWD sales are a blend of Chino Groundwater and Imported Water

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.

FY 17-18		Total IEUA Service Area Water Use by Retail Agency for FY 17-18 (AFY)								
		CHINO	CHINO HILLS	ONTARIO	UPLAND	CVWD	FWC	MVWD	SAWCo	TOTAL
Purchases from IEUA	Imported Water (MWD)	4,292	1,500	3,211	6,073	30,559	13,642	9,935	0	69,212
	Recycled (Direct Use)	6,480	1,858	9,654	706	1,263	176	318	0	20,455
<b>Subtotal</b>		<b>10,772</b>	<b>3,358</b>	<b>12,865</b>	<b>6,779</b>	<b>31,822</b>	<b>13,818</b>	<b>10,253</b>	<b>0</b>	<b>89,667</b>
Production	Chino Groundwater	5,149	2,839	26,109	1,764	6,819	11,392	8,755	428	63,254
	Other Groundwater	0	0	0	1,112	6,737	10,725	0	10,245	28,819
	Local Surface Water	0	0	0	0	3,195	2,735	0	2,020	7,950
<b>Subtotal</b>		<b>5,149</b>	<b>2,839</b>	<b>26,109</b>	<b>2,876</b>	<b>16,751</b>	<b>24,852</b>	<b>8,755</b>	<b>12,693</b>	<b>100,023</b>
Purchases from Other Agencies	CDA	4,999	4,211	4,032	0	0	0	0	0	13,242
	MVWD*	0	4,763	0	0	0	0	0	0	4,763
	SAWCo Water	0	0	341	9,197	0	0	0	0	9,538
	West End	0	0	0	1,298	0	0	0	0	1,298
	CVWD	0	0	0	0	0	0	0	0	0
<b>Subtotal</b>		<b>4,999</b>	<b>8,974</b>	<b>4,373</b>	<b>10,495</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28,841</b>
Sales to Other Agencies	Chino Hills	0	0	0	0	0	0	-6,064	0	-6,064
	Ontario	0	0	0	0	0	0	0	-232	-232
	Upland	0	0	0	0	0	0	0	-8,401	-8,401
	MVWD	0	0	0	0	0	0	0	-444	-444
<b>Subtotal</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-6,064</b>	<b>-9,077</b>	<b>-15,141</b>
<b>Total</b>		<b>20,920</b>	<b>15,171</b>	<b>43,347</b>	<b>20,150</b>	<b>48,573</b>	<b>38,670</b>	<b>12,944</b>	<b>3,616</b>	<b>203,391</b>

\* MVWD sales are a blend of Chino Groundwater and Imported Water

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.

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	1,260	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>2,286</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>

\* MVWD sales are a blend of Chino Groundwater and Imported Water

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.

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
Purchases from IEUA	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
Subtotal		10,060	1,520	10,321	5,609	10,857	6,613	5,078	0	50,058
Production	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
Subtotal		5,104	1,630	22,755	3,655	29,309	26,067	8,371	8,517	105,408
Purchases from Other Agencies	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
Subtotal		5,000	9,843	3,020	7,543	0	0	0	0	25,406
Sales to Other Agencies*	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
Subtotal		0	0	0	0	0	0	-5,437	-6,635	-12,072
Total		20,163	12,993	36,096	16,807	40,166	32,681	8,012	1,882	168,800



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
Purchases from IEUA	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
Subtotal		11,154	4,321	18,721	7,684	22,705	9,994	4,838	0	79,418
Production	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
Subtotal		6,497	2,904	17,426	4,708	26,196	29,813	8,407	6,091	102,042
Purchases from Other Agencies	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
Subtotal		5,232	8,862	5,000	7,601	0	0	612	0	27,306
Sales to Other Agencies	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
Subtotal		0	0	0	0	0	0	-4,439	-3,961	-8,400
Total		22,884	16,087	41,147	19,992	48,902	39,807	9,419	2,129	200,366

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
Purchases from IEUA	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
Subtotal		13,258	2,964	18,332	8,134	30,477	9,792	6,304	0	89,261
Production	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
Subtotal		6,725	2,138	21,723	3,526	25,700	35,236	12,522	12,610	120,180
Purchases from Other Agencies	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
Subtotal		5,198	12,824	5,141	12,316	0	757	400	0	36,636
Sales to Other Agencies	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
Subtotal		0	0	0	0	0	0	-8,428	-10,063	-18,490
Total		25,181	17,926	45,196	23,975	56,177	45,785	10,798	2,547	227,586

# **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.

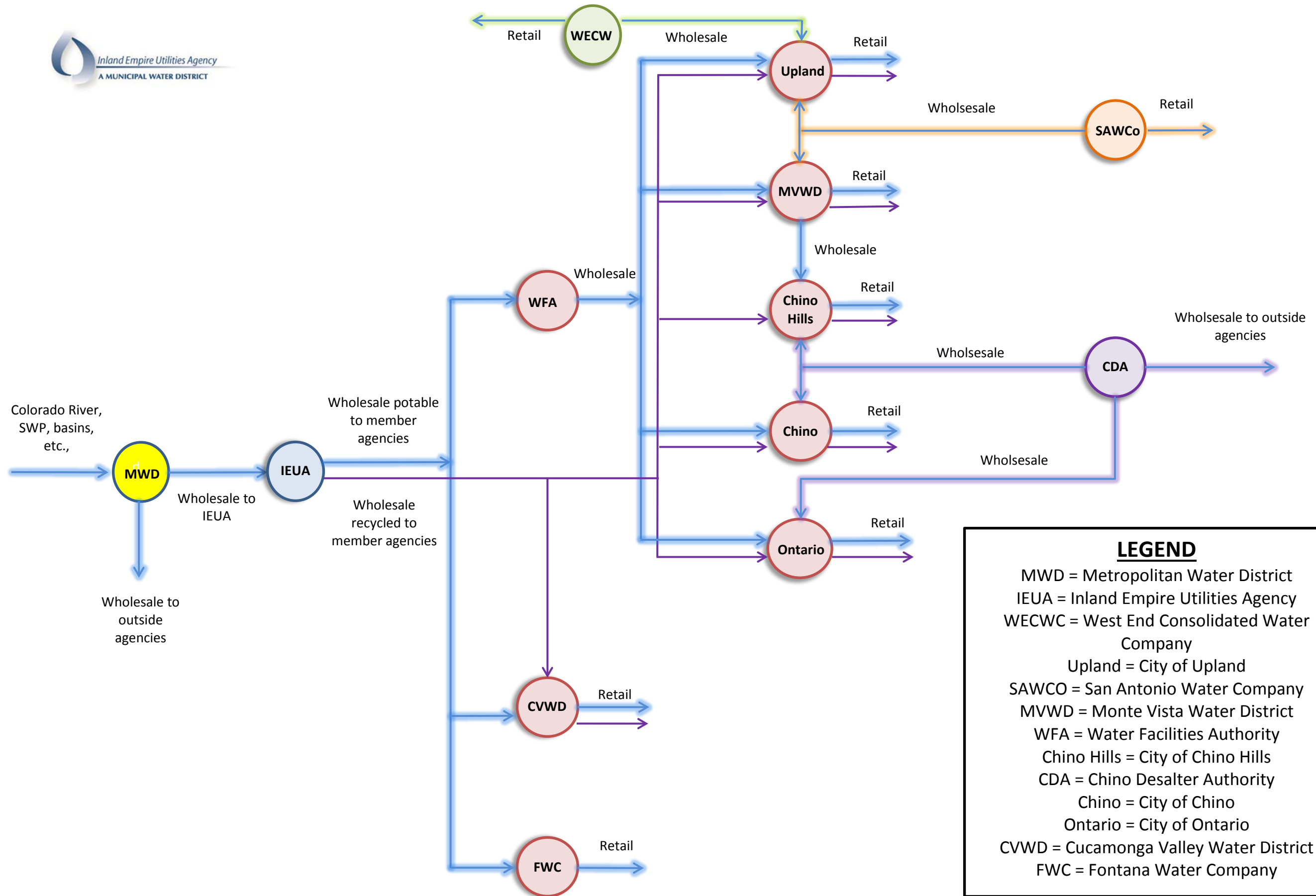
**WVWD** – West Valley Water District

**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