

# Orange County

## Water Use Efficiency Programs Savings and Implementation Report

### Retrofits and Acre-Foot Water Savings for Program Activity

Program	Program Start Date	Retrofits Installed in	Month Indicated		Current Fiscal Year		Overall Program		
			Interventions	Water Savings	Interventions	Water Savings	Interventions	Annual Water Savings[4]	Cumulative Water Savings[4]
High Efficiency Clothes Washer Program	2001	June-20	91	0.26	0	0.00	121,432	4,189	33,965
Smart Timer Program - Irrigation Timers	2004	June-20	228	3.40	0	0.00	27,423	8,885	64,167
Rotating Nozzles Rebate Program	2007	June-20	0	0.00	0	0.00	570,818	2,789	23,762
Commercial Plumbing Fixture Rebate Program	2002	June-20	584	2.69	0	117.64	110,302	5,295	60,670
Industrial Process/Water Savings Incentive Program (WSIP)	2006	July-20	0	0.00	3	0.00	0	1,257	5,149
Turf Removal Program <sup>[3]</sup>	2010	July-20	87,920	1.03	87,920	8.20	23,023,586	3,224	16,549
High Efficiency Toilet (HET) Program	2005	June-20	8	0.03	0	0.00	60,567	2,239	21,870
Water Smart Landscape Program [1]	1997						12,677	10,621	72,668
Home Water Certification Program	2013						312	7,339	15,266
Synthetic Turf Rebate Program	2007						685,438	96	469
Ultra-Low-Flush-Toilet Programs <sup>[2]</sup>	1992						363,926	13,452	162,561
Home Water Surveys <sup>[2]</sup>	1995						11,867	160	1,708
Showerhead Replacements <sup>[2]</sup>	1991						270,604	1,667	19,083
<b>Total Water Savings All Programs</b>			<b>7</b>	<b>87,923</b>	<b>126</b>	<b>25,258,952</b>	<b>53,882</b>	<b>482,636</b>	

(1) Water Smart Landscape Program participation is based on the number of water meters receiving monthly Irrigation Performance Reports.

(2) Cumulative Water Savings Program To Date totals are from a previous Water Use Efficiency Program Effort.

(3) Turf Removal Interventions are listed as square feet.

(4) Cumulative & annual water savings represents both active program savings and passive savings that continues to be realized due to plumbing code changes over time.

## HIGH EFFICIENCY CLOTHES WASHERS INSTALLED BY AGENCY

through MWDOC and Local Agency Conservation Programs

Agency	FY 12/13	FY13/14	FY14/15	FY15/16	FY16/17	FY17/18	FY18/19	FY19/20	FY20/21	Total	Current FY Water Savings Ac/Ft (Cumulative)	Cumulative Water Savings across all Fiscal Years	15 yr. Lifecycle Savings Ac/Ft
Brea	93	115	114	76	57	55	53	36	-	2,011	0.00	562.09	1,041
Buena Park	105	106	91	76	54	50	46	28	-	1,642	0.00	447.38	850
East Orange CWD RZ	10	8	8	8	3	1	6	2	-	201	0.00	59.47	104
El Toro WD	134	121	111	65	47	50	40	29	-	1,640	0.00	448.04	849
Fountain Valley	115	102	110	76	65	48	39	34	-	2,521	0.00	736.15	1,304
Garden Grove	190	162	165	251	127	87	70	63	-	3,783	0.00	1,058.84	1,957
Golden State WC	265	283	359	260	138	156	92	95	-	5,358	0.00	1,503.23	2,772
Huntington Beach	334	295	319	225	180	139	93	115	-	8,593	0.00	2,548.98	4,446
Irvine Ranch WD	1,763	1,664	1,882	1,521	1,369	1,194	883	490	-	27,229	0.00	7,265.10	14,089
La Habra	82	114	87	66	53	48	48	46	-	1,469	0.00	394.49	760
La Palma	34	25	34	29	10	14	7	12	-	491	0.00	135.74	254
Laguna Beach CWD	38	37	39	32	19	20	18	16	-	986	0.00	280.60	510
Mesa Water	114	86	89	113	79	53	42	41	-	2,653	0.00	783.81	1,373
Moulton Niguel WD	442	421	790	688	574	524	357	298	-	11,099	0.00	2,893.60	5,743
Newport Beach	116	92	95	66	61	51	41	28	-	2,744	0.00	824.95	1,420
Orange	218	163	160	124	80	73	56	59	-	4,086	0.00	1,216.88	2,114
San Juan Capistrano	76	73	92	63	33	32	23	26	-	1,540	0.00	436.50	797
San Clemente	140	94	141	75	70	83	64	61	-	2,828	0.00	792.41	1,463
Santa Margarita WD	553	662	792	466	367	271	213	251	-	10,251	0.00	2,785.14	5,304
Seal Beach	31	29	38	23	9	17	8	21	-	648	0.00	182.31	335
Serrano WD	13	10	26	8	11	8	2	7	-	374	0.00	110.35	194
South Coast WD	89	79	68	43	44	36	28	30	-	1,678	0.00	470.72	868
Trabuco Canyon WD	30	45	47	34	28	22	13	12	-	845	0.00	235.90	437
Tustin	78	59	80	66	44	48	34	29	-	1,723	0.00	497.50	892
Westminster	121	82	109	149	84	65	46	36	-	2,733	0.00	773.73	1,414
Yorba Linda	181	167	156	123	55	66	43	62	-	3,922	0.00	1,166.59	2,029
<b>MWDOC Totals</b>	<b>5,365</b>	<b>5,094</b>	<b>6,002</b>	<b>4,726</b>	<b>3,661</b>	<b>3,211</b>	<b>2,365</b>	<b>1,927</b>	<b>-</b>	<b>103,060</b>	<b>0.00</b>	<b>28,614.91</b>	<b>19,911</b>
Anaheim	331	285	295	266	213	173	135	119	-	11,109	0.00	3,328.69	5,748
Fullerton	200	186	211	165	107	99	113	84	-	3,991	0.00	1,114.54	2,065
Santa Ana	163	131	132	259	141	124	128	49	-	3,272	0.00	906.40	1,693
<b>Non-MWDOC Totals</b>	<b>694</b>	<b>602</b>	<b>638</b>	<b>690</b>	<b>461</b>	<b>396</b>	<b>376</b>	<b>252</b>	<b>-</b>	<b>18,372</b>	<b>0.00</b>	<b>5,349.63</b>	<b>3,549</b>
<b>Orange County Totals</b>	<b>6,059</b>	<b>5,696</b>	<b>6,640</b>	<b>5,416</b>	<b>4,122</b>	<b>3,607</b>	<b>2,741</b>	<b>2,179</b>	<b>-</b>	<b>121,432</b>	<b>0.00</b>	<b>33,964.54</b>	<b>23,460</b>

**SMART TIMERS INSTALLED BY AGENCY**  
through MWDOC and Local Agency Conservation Programs

Agency	FY 12/13		FY 13/14		FY 14/15		FY 15/16		FY16/17		FY17/18		FY18/19		FY19/20		FY20/21		Total Program		Cumulative Water Savings across all Fiscal Years
	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm	Res	Comm.	
Brea	9	8	4	0	43	6	20	4	31	4	32	0	33	0	31	0	0	0	227	80	650.09
Buena Park	3	0	0	0	4	10	7	4	10	7	15	3	17	7	22	1	0	0	85	52	225.69
East Orange CWD RZ	2	0	0	0	2	0	1	0	11	1	6	0	1	0	1	0	0	0	33	1	34.78
El Toro WD	7	2	11	0	8	9	9	17	33	8	29	4	34	0	21	3	0	0	199	362	2,982.96
Fountain Valley	3	2	4	0	7	10	13	1	33	12	28	12	36	4	41	(2)	0	0	196	54	278.03
Garden Grove	5	2	9	0	10	14	13	11	28	0	27	2	36	3	31	0	0	0	195	43	249.83
Golden State WC	9	49	9	25	39	12	35	16	56	37	88	6	85	15	89	0	0	0	487	213	1,147.32
Huntington Beach	18	33	20	35	19	2	42	12	88	94	70	30	105	65	71	21	0	0	518	384	1,631.53
Irvine Ranch WD	414	135	71	59	67	310	239	207	344	420	416	78	379	105	292	146	0	0	2,856	2,615	15,058.23
La Habra	4	7	2	0	4	7	3	1	12	7	8	0	19	3	22	(2)	0	0	85	45	272.16
La Palma	1	0	2	0	2	0	3	2	1	0	5	0	7	0	6	0	0	0	28	2	11.21
Laguna Beach CWD	76	2	71	0	86	0	86	1	27	0	11	0	8	0	15	0	0	0	531	20	310.69
Mesa Water	10	2	15	2	17	28	36	12	149	41	49	0	34	55	31	3	0	0	432	212	1,056.92
Moulton Niguel WD	51	74	40	45	46	95	163	100	236	129	284	33	316	64	279	45	0	0	1,793	943	5,001.61
Newport Beach	242	26	168	75	11	9	28	43	30	12	24	0	21	0	11	32	0	0	1,094	441	3,288.87
Orange	20	24	13	9	18	31	51	13	69	10	61	13	93	26	99	15	0	0	538	219	1,268.69
San Juan Capistrano	14	18	6	11	6	19	20	8	22	8	23	5	20	1	24	9	0	0	289	140	854.67
San Clemente	26	7	28	2	28	24	26	3	37	13	38	41	36	0	35	16	0	0	1,160	431	3,359.54
Santa Margarita WD	53	171	64	93	53	321	189	136	326	221	273	220	222	37	223	31	0	0	1,872	1,660	8,154.35
Seal Beach	1	0	1	36	1	12	2	2,446	2	4	5	0	6	31	10	0	0	0	28	2,533	8,531.75
Serrano WD	1	0	0	0	4	0	11	2	4	0	8	0	10	0	9	0	0	0	65	2	22.60
South Coast WD	13	16	8	4	104	73	9	11	7	0	15	2	7	7	14	0	0	0	314	221	1,475.46
Trabuco Canyon WD	6	0	2	0	6	1	16	50	13	3	20	0	33	0	35	0	0	0	191	157	1,178.53
Tustin	8	4	9	1	18	14	33	8	33	23	27	1	37	0	40	0	0	0	247	81	470.96
Westminster	1	1	2	0	13	17	7	1	17	12	22	0	24	0	20	0	0	0	131	44	268.38
Yorba Linda	20	0	12	5	32	2	61	27	72	71	68	10	74	4	111	5	0	0	591	202	1,154.22
<b>MWDOC Totals</b>	<b>1,017</b>	<b>583</b>	<b>571</b>	<b>402</b>	<b>648</b>	<b>1,026</b>	<b>1,123</b>	<b>3,136</b>	<b>1,691</b>	<b>1,137</b>	<b>1,652</b>	<b>460</b>	<b>1,693</b>	<b>427</b>	<b>1,583</b>	<b>323</b>	<b>0</b>	<b>0</b>	<b>14,185</b>	<b>11,157</b>	<b>58,939.06</b>
Anaheim	19	10	9	26	7	52	30	34	87	10	66	0	142	73	111	9	0	0	563	539	3,375.50
Fullerton	9	29	8	0	40	26	32	12	53	7	45	0	77	0	61	8	0	0	382	207	1,241.33
Santa Ana	8	19	7	8	9	27	22	26	15	3	16	0	24	20	19	129	0	0	141	249	611.32
<b>Non-MWDOC Totals</b>	<b>36</b>	<b>58</b>	<b>24</b>	<b>34</b>	<b>56</b>	<b>105</b>	<b>84</b>	<b>72</b>	<b>155</b>	<b>20</b>	<b>127</b>	<b>0</b>	<b>243</b>	<b>93</b>	<b>191</b>	<b>146</b>	<b>0</b>	<b>0</b>	<b>1086</b>	<b>995</b>	<b>5,228.15</b>
<b>Orange County Totals</b>	<b>1,053</b>	<b>641</b>	<b>595</b>	<b>436</b>	<b>704</b>	<b>1,131</b>	<b>1,207</b>	<b>3,208</b>	<b>1,846</b>	<b>1,157</b>	<b>1,779</b>	<b>460</b>	<b>1,936</b>	<b>520</b>	<b>1,774</b>	<b>469</b>	<b>-</b>	<b>-</b>	<b>15,271</b>	<b>12,152</b>	<b>64,167</b>

**ROTATING NOZZLES INSTALLED BY AGENCY**  
through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14			FY 14/15			FY 15/16			FY 16/17			FY 17/18			FY 18/19			FY 19/20			FY 20/21			Total Program			Cumulative Water Savings across all Fiscal Years			
	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large	Small		Large				
	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.	Res	Comm.	Comm.				
Brea	84	0	0	157	45	0	74	2,484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	572	2,749	0	86.96
Buena Park	53	0	0	248	0	0	45	98	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	558	173	2,535	909.02	
East Orange	30	0	0	221	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	781	0	0	25.10	
El Toro	56	3,288	0	1,741	28,714	0	730	4,457	0	55	242	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	3,405	46,222	890	1,786.08	
Fountain Valley	0	0	0	107	0	0	222	0	0	0	0	0	85	0	0	0	283	0	0	0	0	0	0	0	0	0	795	283	0	27.71	
Garden Grove	80	0	0	88	50	0	110	0	0	55	98	0	52	0	0	0	0	72	0	0	0	0	0	0	0	0	1,057	299	0	43.46	
Golden State	192	0	0	583	1,741	0	1,088	0	0	207	6,008	0	161	-495	0	35	259	0	63	1,652	0	0	0	0	0	0	3,707	12,732	0	414.03	
Huntington Beach	120	0	0	798	1,419	0	1,345	2,836	0	149	3,362	0	-37	0	0	0	0	65	0	0	0	0	0	0	0	0	3,825	12,526	2,681	1,552.33	
Irvine Ranch	11,010	4,257	0	1,421	632	0	1,989	5,047	0	335	9,511	0	356	-215	0	72	0	0	157	0	0	0	0	0	0	0	47,722	94,346	2,004	5,867.21	
La Habra	15	0	0	109	338	0	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	481	1,236	900	410.43	
La Palma	0	0	0	0	0	0	46	505	0	0	2,385	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	89	2,890	0	61.87	
Laguna Beach	2,948	878	0	2,879	1,971	0	1,390	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12,139	2,896	0	470.55	
Mesa Water	361	0	0	229	0	0	166	0	0	113	0	0	36	0	0	0	0	50	0	0	0	0	0	0	0	0	2,116	385	343	226.89	
Moulton Niguel	361	227	0	1,596	4,587	0	5,492	1,441	0	153	5,872	0	893	0	0	713	38	0	687	0	0	0	0	0	0	0	14,167	20,553	2,945	2,122.70	
Newport Beach	19,349	6,835	0	460	3,857	0	348	670	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	46,723	21,413	0	2,312.34	
Orange	245	120	0	304	668	0	631	91	0	0	0	0	0	0	0	30	0	0	67	0	0	0	0	0	0	0	3,267	1,072	0	145.68	
San Juan Capistrano	370	0	0	495	737	0	310	593	0	75	123	0	59	0	0	40	1,400	0	58	0	0	0	0	0	0	0	5,652	10,252	0	548.86	
San Clemente	415	5,074	0	326	0	0	426	0	0	0	0	0	146	0	0	0	0	35	0	0	0	0	0	0	0	0	10,170	7,538	1,343	975.61	
Santa Margarita	389	0	0	1,207	1,513	0	1,820	837	0	15	0	0	224	0	0	30	0	0	229	0	0	0	0	0	0	0	16,648	6,921	611	997.51	
Seal Beach	0	0	0	40	5,261	0	0	2,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	155	7,852	0	220.24	
Serrano	105	0	0	377	0	0	695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,405	0	0	117.83	
South Coast	70	0	0	4,993	13,717	0	1,421	2,889	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,130	18,870	0	768.96	
Trabuco Canyon	0	0	0	56	0	0	130	0	0	0	4,339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,086	5,130	0	196.90	
Tustin	329	0	0	408	0	0	317	386	0	65	-341	0	30	0	0	47	0	0	55	0	0	0	0	0	0	0	3,503	1,058	0	152.23	
Westminster	0	0	0	54	0	0	73	0	0	105	0	0	50	0	0	42	0	0	0	0	0	0	0	0	0	0	556	0	0	16.12	
Yorba Linda	40	990	0	921	0	0	1,715	0	0	213	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	6,115	4,359	500	556.57	
<b>MWDOC Totals</b>	<b>36,622</b>	<b>21,669</b>	<b>0</b>	<b>19,818</b>	<b>65,250</b>	<b>0</b>	<b>20,883</b>	<b>24,634</b>	<b>0</b>	<b>1,556</b>	<b>31,599</b>	<b>0</b>	<b>2,199</b>	<b>-710</b>	<b>0</b>	<b>1,043</b>	<b>1,980</b>	<b>0</b>	<b>###</b>	<b>1,652</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>197,824</b>	<b>281,755</b>	<b>14,752</b>	<b>21,013.19</b>	
Anaheim	338	0	0	498	712	0	794	5,221	0	147	3,953	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,020	49,799	105	1,672.74	
Fullerton	107	0	0	684	1,196	0	521	7,015	0	65	3,034	0	0	0	0	140	0	0	75	0	0	0	0	0	0	0	3,125	11,309	1,484	881.09	
Santa Ana	86	2,533	0	310	0	0	0	1,420	0	0	1,106	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	893	5,752	0	195.31	
<b>Non-MWDOC Totals</b>	<b>531</b>	<b>2,533</b>	<b>0</b>	<b>1,492</b>	<b>1,908</b>	<b>0</b>	<b>1,315</b>	<b>13,656</b>	<b>0</b>	<b>212</b>	<b>8,093</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>140</b>	<b>0</b>	<b>0</b>	<b>109</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,038</b>	<b>66,860</b>	<b>1,589</b>	<b>2,749.14</b>		
<b>Orange County Totals</b>	<b>37,153</b>	<b>24,202</b>	<b>0</b>	<b>21,310</b>	<b>67,158</b>	<b>0</b>	<b>22,198</b>	<b>38,290</b>	<b>0</b>	<b>1,768</b>	<b>39,692</b>	<b>0</b>	<b>2,199</b>	<b>-710</b>	<b>0</b>	<b>1,183</b>	<b>1,980</b>	<b>0</b>	<b>###</b>	<b>1,652</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>205,862</b>	<b>348,615</b>	<b>16,341</b>	<b>23,762.33</b>	

**COMMERCIAL PLUMBING FIXTURES INSTALLED BY AGENCY<sup>[1]</sup>**  
through MWDOC and Local Agency Conservation Programs

Agency	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Totals	Cumulative Water Savings across all Fiscal Years
Brea	234	0	10	91	734	242	0	74	0	1,681	756
Buena Park	5	23	56	591	133	49	0	94	0	2,632	1,656
East Orange CWD RZ	0	0	0	0	0	0	0	0	0	0	0
El Toro WD	0	212	6	268	35	737	717	0	0	2,516	929
Fountain Valley	0	0	1	249	0	895	0	398	0	2,165	946
Garden Grove	4	1	167	676	410	0	354	388	0	3,193	2,175
Golden State WC	0	1	0	1,008	53	93	86	80	0	3,124	2,676
Huntington Beach	104	144	7	783	641	10	208	270	0	3,442	2,352
Irvine Ranch WD	1,090	451	725	11,100	5,958	1,599	1,000	15	0	30,480	12,331
La Habra	0	0	0	340	42	0	0	59	0	984	786
La Palma	0	0	0	0	509	0	0	0	0	675	215
Laguna Beach CWD	0	27	0	0	0	0	0	0	0	446	435
Mesa Water	6	0	79	661	782	0	110	19	0	4,383	3,035
Moulton Niguel WD	0	0	3	413	281	506	4,392	764	0	6,939	1,808
Newport Beach	0	0	566	0	0	0	1,596	16	0	3,446	1,998
Orange	1	271	81	275	2,851	458	532	395	0	6,415	2,805
San Juan Capistrano	0	14	0	0	0	0	0	0	0	260	518
San Clemente	0	0	1	0	0	0	0	321	0	753	530
Santa Margarita WD	0	0	2	90	743	598	699	0	0	2,247	528
Seal Beach	0	0	0	0	184	278	0	0	0	816	611
Serrano WD	0	0	0	0	0	0	0	0	0	0	0
South Coast WD	148	0	382	0	0	0	0	0	0	1,320	782
Trabuco Canyon WD	0	0	0	0	0	0	0	0	0	11	20
Tustin	0	0	75	358	212	2	408	254	0	2,066	1,251
Westminster	1	28	0	146	177	25	0	252	0	1,415	1,401
Yorba Linda	1	0	0	226	84	338	0	83	0	1,016	815
<b>MWDOC Totals</b>	<b>1,594</b>	<b>1,172</b>	<b>2,161</b>	<b>17,275</b>	<b>13,829</b>	<b>5,830</b>	<b>10,102</b>	<b>3,482</b>	<b>0</b>	<b>82,425</b>	<b>41,363</b>
Anaheim	165	342	463	3,072	309	1,808	686	592	0	16,839	10,159
Fullerton	94	0	178	476	621	274	384	356	0	3,792	2,474
Santa Ana	16	17	5	1,293	238	582	7	920	0	7,246	6,675
<b>Non-MWDOC Totals</b>	<b>275</b>	<b>359</b>	<b>646</b>	<b>4,841</b>	<b>1,168</b>	<b>2,664</b>	<b>1,077</b>	<b>1,868</b>	<b>0</b>	<b>27,877</b>	<b>19,308</b>
<b>Orange County Totals</b>	<b>1,869</b>	<b>1,531</b>	<b>2,807</b>	<b>22,116</b>	<b>14,997</b>	<b>8,494</b>	<b>11,179</b>	<b>5,350</b>	<b>0</b>	<b>110,302</b>	<b>60,670</b>

[1] Retrofit devices include ULF Toilets and Urinals, High Efficiency Toilets and Urinals, Multi-Family and Multi-Family 4-Liter HETs, Zero Water Urinals, High Efficiency Clothes Washers, Cooling Tower Conductivity Controllers, Ph Cooling Tower Conductivity Controllers, Flush Valve Retrofit Kits, Pre-rinse Spray heads, Hospital X-Ray Processor Recirculating Systems, Steam Sterilizers, Food Steamers, Water Pressurized Brooms, Laminar Flow Restrictors, and Ice Making Machines.

## INDUSTRIAL PROCESS/WATER SAVINGS INCENTIVE PROGRAM

### Number of Projects by Agency

Agency	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	Overall Program Interventions	Annual Water Savings[1]	Cumulative Water Savings across all Fiscal Years[1]
Brea	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Park	0	0	0	0	1	0	0	0	0	0	2	54	627
East Orange	0	0	0	0	0	0	0	0	0	0	0	0	0
El Toro	0	0	0	0	0	0	0	1	0	0	1	9	17
Fountain Valley	0	0	0	0	0	1	0	0	0	0	1	23	79
Garden Grove	0	0	0	0	1	0	0	0	1	0	2	7	6
Golden State	0	0	0	0	0	0	0	0	1	0	2	58	78
Huntington Beach	0	2	0	1	2	0	1	0	0	0	6	180	987
Irvine Ranch	1	1	1	0	2	1	1	0	0	0	10	119	910
La Habra	0	0	0	0	1	0	0	0	0	0	1	0	1
La Palma	0	0	0	0	0	0	0	0	0	0	0	0	0
Laguna Beach	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesa Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Moulton Niguel	0	0	0	0	0	0	0	0	0	0	0	0	0
Newport Beach	0	0	0	1	0	0	0	0	0	0	1	21	120
Orange	0	0	0	0	1	2	1	0	0	0	5	97	723
San Juan Capistrano	0	0	0	0	0	0	0	0	0	0	0	0	0
San Clemente	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Margarita	0	0	0	0	0	0	0	0	0	0	0	0	0
Seal Beach	0	0	0	0	0	0	0	0	0	0	0	0	0
Serrano	0	0	0	0	0	0	0	0	0	0	0	0	0
South Coast	0	0	0	0	1	1	0	0	0	0	2	134	459
Trabuco Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0
Tustin	0	0	0	0	0	0	0	0	0	0	0	0	0
Westminster	0	0	0	0	0	0	0	1	0	0	1	117	146
Yorba Linda	0	0	0	0	0	0	0	1	0	0	1	20	38
<b>MWDOC Totals</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>9</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>35</b>	<b>840</b>	<b>4192</b>
Anaheim	0	0	0	0	0	0	0	0	0	0	0	0	0
Fullerton	0	0	0	0	0	0	0	0	1	0	1	282	282
Santa Ana	0	0	0	0	1	0	0	0	0	0	1	135	675
<b>OC Totals</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>10</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>37</b>	<b>1257</b>	<b>5149</b>

[1] Acre feet of savings determined during a one year monitoring period.

If monitoring data is not available, the savings estimated in agreement is used.

**TURF REMOVAL BY AGENCY<sup>(1)</sup>**  
 through MWDOC and Local Agency Conservation Programs

Agency	FY 13/14		FY 14/15		FY 15/16		FY 16/17		FY 17/18		FY 18/19		FY 19/20		FY 20/21		Total Program		Cumulative Water Savings across all Fiscal Years
	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	Res	Comm.	
Brea	5,697	0	71,981	30,617	118,930	404,411	8,354	479	9,853	27,234	3,180	44,733	8,244	0	0	0	237,241	516,940	513.87
Buena Park	0	0	11,670	1,626	77,127	16,490	3,741	0	4,586	0	1,230	0	7,222	0	0	0	105,576	18,116	82.44
East Orange	1,964	0	18,312	0	27,844	0	0	0	0	0	0	0	0	0	0	0	48,120	0	36.80
El Toro	4,582	0	27,046	221,612	63,546	162,548	13,139	48,019	7,273	42,510	12,856	9,895	5,203	21,290	3,018	0	146,066	578,592	526.23
Fountain Valley	4,252	0	45,583	5,279	65,232	0	3,679	0	8,631	0	5,764	28,700	734	0	0	0	135,857	41,503	117.71
Garden Grove	8,274	0	67,701	22,000	177,408	49,226	11,504	0	4,487	0	0	0	0	0	0	0	287,921	117,403	337.17
Golden State	32,725	8,424	164,507	190,738	310,264	112,937	0	0	0	0	0	48,595	0	0	0	0	581,902	394,867	780.47
Huntington Beach	20,642	0	165,600	58,942	305,420	270,303	9,560	21,534	14,236	6,032	9,539	40,135	10,225	13,193	3,235	0	576,107	475,065	782.22
Irvine Ranch	36,584	76,400	234,905	317,999	782,844	2,675,629	231,483	46,725	86,893	61,037	55,346	203,014	23,465	30,267	1,992	3,164	1,498,269	3,461,079	3,389.45
La Habra	0	0	14,014	1,818	49,691	72,164	0	0	3,003	0	1,504	0	6,102	0	1,793	0	76,107	90,019	122.86
La Palma	0	0	4,884	0	10,257	59,760	0	0	0	0	0	0	0	0	0	0	15,141	59,760	53.11
Laguna Beach	4,586	226	13,647	46,850	47,614	0	3,059	0	589	0	0	0	1,217	0	0	0	76,887	48,788	100.54
Mesa Water	22,246	0	131,675	33,620	220,815	106,896	4,173	77,033	17,373	77,785	3,023	0	16,189	47,075	0	0	432,938	342,409	492.34
Moulton Niguel	14,739	40,741	314,250	1,612,845	889,748	1,059,279	220,749	0	98,271	0	106,574	0	81,778	18,951	3,052	61,129	1,746,138	2,920,134	3,403.10
Newport Beach	894	0	33,995	65,277	76,675	375,404	2,924	0	5,938	6,499	0	90,403	1,294	0	455	0	129,177	539,929	442.28
Orange	11,244	0	120,093	281,402	289,990	106,487	12,847	2,366	11,956	0	13,645	1,798	2,190	0	0	0	490,887	400,776	686.27
San Clemente	18,471	13,908	90,349	1,137	215,249	438,963	4,267	0	33,083	7,098	6,500	0	6,420	13,719	5,213	0	417,116	487,990	644.62
San Juan Capistrano	12,106	0	101,195	32,366	197,290	143,315	2,624	40,748	0	0	0	0	0	0	0	0	365,415	347,277	609.46
Santa Margarita	17,778	48,180	211,198	514,198	534,048	550,420	17,010	28,094	62,706	25,000	24,616	23,198	11,357	51,999	2,542	0	897,853	1,269,650	1,560.40
Seal Beach	0	0	15,178	504	17,349	15,911	1,234	0	752	0	0	0	996	0	0	0	39,120	16,415	41.54
Serrano	2,971	0	41,247	0	127,877	4,403	5,450	0	555	0	4,000	0	840	0	0	0	182,940	4,403	134.60
South Coast	15,162	116,719	84,282	191,853	181,102	128,290	14,967	0	13,319	7,806	7,574	0	25,465	50,879	0	0	358,106	516,266	651.77
Trabuco Canyon	2,651	0	14,771	0	42,510	88,272	1,465	0	4,788	0	1,536	0	4,752	49,533	0	0	74,287	160,245	143.94
Tustin	1,410	0	71,285	14,137	232,697	33,362	11,173	0	16,926	0	13,189	6,894	15,343	6,936	1,613	0	373,616	61,329	290.29
Westminster	0	0	14,040	34,631	71,833	23,902	11,112	0	10,033	0	5,924	0	1,962	0	0	0	114,904	58,533	118.86
Yorba Linda	0	0	112,136	12,702	360,279	116,985	19,420	0	9,529	3,696	12,590	12,020	7,773	0	714	0	533,790	145,403	477.38
<b>MWDOC Totals</b>	<b>238,978</b>	<b>304,598</b>	<b>2,195,544</b>	<b>3,692,153</b>	<b>5,493,639</b>	<b>7,015,357</b>	<b>613,934</b>	<b>264,998</b>	<b>424,780</b>	<b>264,697</b>	<b>288,590</b>	<b>509,385</b>	<b>238,771</b>	<b>303,842</b>	<b>23,627</b>	<b>64,293</b>	<b>9,941,481</b>	<b>13,072,891</b>	<b>16,539.75</b>
Anaheim	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Fullerton	0	9,214	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,214	9.03
Santa Ana	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
<b>Non-MWDOC Totals</b>	<b>0</b>	<b>9,214</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,214</b>	<b>9.03</b>
<b>Orange County Totals</b>	<b>238,978</b>	<b>313,812</b>	<b>2,195,544</b>	<b>3,692,153</b>	<b>5,493,639</b>	<b>7,015,357</b>	<b>613,934</b>	<b>264,998</b>	<b>424,780</b>	<b>264,697</b>	<b>288,590</b>	<b>509,385</b>	<b>238,771</b>	<b>303,842</b>	<b>23,627</b>	<b>64,293</b>	<b>9,941,481</b>	<b>13,082,105</b>	<b>16,549</b>

[1] Installed device numbers are listed as square feet

## HIGH EFFICIENCY TOILETS (HETs) INSTALLED BY AGENCY

through MWDOC and Local Agency Conservation Programs

Agency	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	Total	Cumulative Water Savings across all Fiscal Years
Brea	0	38	146	154	4	6	1	0	0	457	135.98
Buena Park	0	96	153	112	13	3	0	2	0	689	244.67
East Orange CWD RZ	0	13	26	24	0	0	0	2	0	88	27.92
El Toro WD	133	218	869	264	12	6	10	5	0	2,058	699.67
Fountain Valley	0	41	132	220	7	8	1	3	0	835	314.34
Garden Grove	0	63	350	363	7	4	5	3	0	1,496	538.88
Golden State WC	2	142	794	512	9	11	5	7	0	2,813	997.71
Huntington Beach	0	163	1,190	628	4	3	4	2	0	2,910	946.09
Irvine Ranch WD	1,449	810	1,777	2,798	638	239	162	66	0	17,376	6,772.94
Laguna Beach CWD	0	45	112	81	1	4	0	2	0	394	134.95
La Habra	0	37	94	83	5	1	0	0	0	591	241.01
La Palma	0	21	59	52	4	2	4	3	0	231	76.14
Mesa Water	0	147	162	162	7	3	3	15	0	1,639	720.61
Moulton Niguel WD	0	400	2,497	1,939	49	38	21	17	0	5,766	1,591.16
Newport Beach	0	49	168	243	11	6	0	0	0	731	239.39
Orange	1	142	978	416	17	10	5	4	0	2,198	702.74
San Juan Capistrano	0	35	140	202	3	9	4	0	0	536	162.75
San Clemente	0	72	225	246	11	6	10	1	0	889	294.17
Santa Margarita WD	0	528	997	1,152	114	33	11	18	0	3,371	938.51
Seal Beach	2	17	50	69	-1	0	0	0	0	857	458.19
Serrano WD	0	2	40	55	3	0	3	0	0	124	34.09
South Coast WD	64	102	398	235	11	7	0	0	0	1,028	310.30
Trabuco Canyon WD	0	10	108	169	2	3	2	0	0	344	92.74
Tustin	0	64	132	201	12	10	4	7	0	1,527	654.64
Westminster	0	35	161	359	3	4	0	0	0	1,335	517.43
Yorba Linda WD	0	40	280	379	12	8	2	6	0	1,267	442.95
<b>MWDOC Totals</b>	<b>1,651</b>	<b>3,330</b>	<b>12,038</b>	<b>11,118</b>	<b>958</b>	<b>424</b>	<b>257</b>	<b>163</b>	<b>0</b>	<b>51,550</b>	<b>18,289.97</b>

Anaheim	0	156	1,188	614	70	19	5	11	0	5,900	2,444.76
Fullerton	0	61	293	286	14	9	8	7	0	1,079	360.48
Santa Ana	0	33	602	293	20	0	4	8	0	2,033	774.58
<b>Non-MWDOC Totals</b>	<b>0</b>	<b>250</b>	<b>2,083</b>	<b>1,193</b>	<b>104</b>	<b>28</b>	<b>17</b>	<b>26</b>	<b>0</b>	<b>9,012</b>	<b>3,579.81</b>

<b>Orange County Totals</b>	<b>1,651</b>	<b>3,580</b>	<b>14,121</b>	<b>12,311</b>	<b>1,062</b>	<b>452</b>	<b>274</b>	<b>189</b>	<b>0</b>	<b>60,562</b>	<b>21,869.79</b>
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