

CAPITAL BUDGET

FISCAL YEAR 2018-19

**Adopted
April 23, 2018**



Irvine Ranch Water District
15600 Sand Canyon Avenue
Irvine, CA 92618

FISCAL YEAR 2018-19 CAPITAL BUDGET

TABLE OF CONTENTS

<u>TAB</u>	<u>DESCRIPTION</u>
1.	Project Expenditures by Project Number with Improvement District Allocations
2.	Flagged Projects
3.	Project Expenditure Groups
4.	Water Improvement District Map
5.	Sewer Improvement District Map

Irvine Ranch Water District
Fiscal Year 2018-19 Capital Budget
Section 1 - Projected Expenditures by Project

System	Project	Project Title	Start	End	FY18-19 Direct	Total Direct	Improvement Districts																											
							1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2220	2120	2130	2250	2400	2530	256	2850	2880									
Potable Capital	10512	ASPHALT REPLACEMENT 18/19-DW	7/1/18	6/30/19	\$220,000	\$220,000	100.0																											
Recycled Capital	10513	ASPHALT REPLACEMENT 18/19-RW	7/1/18	6/30/19	\$220,000	\$220,000																				100.0								
Sewer Capital	10514	ASPHALT REPLACEMENT 18/19-SS	7/1/18	6/30/19	\$110,000	\$110,000																				100.0								
Potable Capital	01264	ASSET OPTIMIZATION-LAKE FOREST DEVELOPMENT	7/1/06	12/31/18	\$465,340	\$7,345,000	100.0																											
Potable Capital	06210	ASSET OPTIMIZATION-SAND CANYON PROFESSIONA	2/1/16	7/31/20	\$67,807	\$17,624,300	100.0																											
Potable Capital	10558	BAKER PIPELINE CAPACITY PURCHASE	7/1/18	6/30/19	\$357,500	\$357,500		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5																			
Potable Capital	10559	BAKER WTP FENCING & ACCESS IMPROVEMENTS	7/1/18	12/31/19	\$114,773	\$762,500		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5																			
Sewer Capital	10347	BUSINESS INTELLIGENCE (BI) DISASTER RECOVERY (D	9/1/17	12/31/18	\$58,125	\$155,000																			100.0									
Potable Capital	10345	BUSINESS INTELLIGENCE (BI)DISASTER RECOVERY (D	9/1/17	12/31/18	\$58,125	\$155,000	100.0																											
Potable Capital	06159	CANADA ROAD JOINT BONDING	6/1/18	6/30/22	\$6,486	\$233,200	100.0																											
Potable Capital	07053	CAPITAL PLANNING SUPPORT 18/19 DW	7/1/18	6/30/19	\$400,000	\$400,000		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5																			
Recycled Capital	07052	CAPITAL PLANNING SUPPORT 18/19 RW	7/1/18	6/30/19	\$400,000	\$400,000																			14.6	10.7	4.1	51.0	7.7	10.4		1.5		
Sewer Capital	07054	CAPITAL PLANNING SUPPORT 18/19 SS	7/1/18	6/30/19	\$400,000	\$400,000																				33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
Potable Capital	10546	CC&B SOFTWARE UPGRADE DW	5/1/19	12/31/20	\$142,450	\$1,424,500	100.0																											
Sewer Capital	10547	CC&B SOFTWARE UPGRADE SS	5/1/19	12/31/20	\$142,450	\$1,424,500																					100.0							
Potable Capital	06160	CENTRALIZED CONTROL ROOM AT MWRP-DW	6/1/18	6/30/22	\$4,054	\$170,000		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5																			
Sewer Capital	06161	CENTRALIZED CONTROL ROOM AT MWRP-SS	6/1/18	7/31/22	\$4,054	\$170,000																				33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
Potable Capital	07881	CNG FILLING STATION-DW	7/1/17	12/31/19	\$351,185	\$748,000		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5																			
Recycled Capital	07883	CNG FILLING STATION-RW	7/1/17	12/31/19	\$351,185	\$748,000																				14.6	10.7	4.1	51.0	7.7	10.4		1.5	
Sewer Capital	07882	CNG FILLING STATION-SS	7/1/17	12/31/19	\$351,185	\$748,000																				33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
Potable Capital	05410	COASTAL ZONE 2 PRV MODIFICATION (DPR16)	12/1/17	6/30/19	\$145,900	\$187,100																					100.0							
Potable Capital	06162	CRYSTAL COVE RECTIFIER INSTALLATION-DW	6/1/18	6/30/22	\$4,054	\$138,800	100.0																											
Recycled Capital	06163	CRYSTAL COVE RECTIFIER INSTALLATION-RW	6/1/18	6/30/22	\$2,432	\$133,300																					100.0							
Recycled Capital	06164	CULVER ANODE BED AND RECTIFIER #5 REPLACEME	6/1/18	6/30/22	\$6,486	\$244,200																					100.0							
Recycled Capital	10588	CULVER DRIVE RW ACP PIPE REPLACEMENT	3/1/18	7/31/19	\$580,754	\$717,000																					100.0							
Potable Capital	07893	DATS AND IDP INSTRUMENTATION MODS-DW	6/1/18	6/30/20	\$50,997	\$112,300		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5																			
Recycled Capital	07894	DATS AND IDP INSTRUMENTATION MODS-RW	6/1/18	6/30/20	\$50,997	\$112,300																				14.6	10.7	4.1	51.0	7.7	10.4		1.5	
Potable Capital	06165	DRWF SURGE TANKS	1/1/16	12/31/18	\$104,976	\$1,250,500		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5																			
Potable Capital	07087	DRWF WELL 10 REHAB	2/1/18	3/31/19	\$697,083	\$770,000	100.0																											
Potable Capital	07088	DRWF WELL 11 REHAB	3/1/18	8/31/19	\$657,961	\$770,000	100.0																											
Potable Capital	10098	DRWF WELL 12 REHAB	8/1/18	8/31/19	\$657,961	\$770,000	100.0																											
Potable Capital	07089	DRWF WELL 14 REHAB	6/1/19	8/31/20	\$4,945	\$770,000	100.0																											

System	Project	Project Title	Start	End	FY18-19 Direct	Total Direct	Improvement Districts																			
							1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2220	2120	2130	2250	2400	2530	256	2850	2880	
Potable Capital	07113	MECH-ELEC SYS REPLACEMENT 18/19-DW	7/1/18	6/30/19	\$950,000	\$950,000	100.0																			
Recycled Capital	07114	MECH-ELEC SYS REPLACEMENT 18/19-RW	7/1/18	6/30/19	\$660,000	\$660,000																				
Sewer Capital	07115	MECH-ELEC SYS REPLACEMENT 18/19-SS	7/1/18	6/30/19	\$550,000	\$550,000																				
Potable Capital	10629	METER REPLACEMENT 18/19-DW	7/1/18	6/30/19	\$2,646,290	\$2,646,290	100.0																			
Recycled Capital	10633	METER REPLACEMENT 18/19-RW	7/1/18	6/30/19	\$111,700	\$111,700																				
Potable Capital	07824	MICHELSON CAMPUS SECURITY-DW	1/3/17	6/30/19	\$33,878	\$99,000		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5											
Recycled Capital	07826	MICHELSON CAMPUS SECURITY-RW	1/3/17	6/30/19	\$33,878	\$99,000																				
Sewer Capital	07825	MICHELSON CAMPUS SECURITY-SS	1/3/17	6/30/19	\$33,878	\$99,000																				
Sewer Capital	07097	MICHELSON SEWER FORCE MAIN RELINING	12/1/16	12/31/18	\$544,735	\$1,367,300																				
Potable Capital	10543	MIGRATE EMAIL TO MS CLOUD DW	5/1/19	12/31/20	\$9,350	\$93,500	100.0																			
Sewer Capital	10544	MIGRATE EMAIL TO MS CLOUD SS	5/1/19	12/31/20	\$9,350	\$93,500																				
Recycled Capital	04388	MULTI-ZONE BPS-ZONE A TO SYPHON	7/1/17	6/30/22	\$400	\$2,989,500																				
Recycled Capital	04457	MULTI-ZONE BPS-ZONE A-B	3/1/16	3/31/20	\$4,155,776	\$5,950,000																				
Recycled Capital	04400	MULTI-ZONE BPS-ZONE A-C	3/1/16	3/31/20	\$5,375,884	\$7,520,000																				
Sewer Capital	04286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIE	4/1/13	12/31/21	\$18,364,808	\$227,573,100																				
Sewer Capital	07900	MWRP DUMP STATION IMPROVEMENTS	6/1/18	12/31/20	\$128,115	\$291,500																				
Sewer Capital	07892	MWRP FILTER VALVES AND GATE REPLACEMENT	12/1/18	6/30/20	\$4,071	\$461,000																				
Sewer Capital	07890	MWRP HEADWORKS PLATFORMS	6/1/18	7/31/20	\$61,892	\$175,000																				
Sewer Capital	07891	MWRP HEADWORKS SCREENING AREA DIVERTER CH	6/1/18	6/30/20	\$94,023	\$180,500																				
Sewer Capital	04467	MWRP REPAIRS: ACT SLUDGE-2DARY TANKS-RAS/W	10/1/16	12/31/19	\$750,000	\$1,200,000																				
Sewer Capital	07116	MWRP SYS REPLACEMENTS 18/19	7/1/18	6/30/19	\$450,000	\$450,000																				
Sewer Capital	10535	MWRP TRANSFORMER T1 REPLACEMENT	1/1/19	12/31/20	\$65,000	\$543,000																				
Sewer Capital	05470	NEWPORT COAST SLS AND FM RECOATING	6/1/15	12/31/18	\$133,962	\$2,135,500																				
Sewer Capital	06400	NEWPORT COAST SLS IMPROVEMENTS	6/1/15	12/31/18	\$139,320	\$2,654,600																				
Recycled Capital	07807	NON-POTABLE WATER STUDIES 18/19	7/1/18	6/30/19	\$60,000	\$60,000																				
Recycled Capital	06216	NORTHWOOD ZONE B BPS DEMOLITION	6/1/17	1/31/21	\$76,700	\$539,000																				
Potable Capital	10548	NTS GENERAL SYSTEM MODIFICATIONS 18/19 NTS	7/1/18	6/30/19	\$121,000	\$121,000		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5											
Potable Capital	06212	NTS INFILTRATION STUDY	6/1/18	6/30/19	\$61,054	\$64,900		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5											
Potable Capital	07895	NTS MASTER PLAN UPDATE	1/1/18	6/30/19	\$66,667	\$100,000		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5											
Sewer Capital	10502	OCSD CORF LONG TERM CAPITAL PROGRAM 2018 T	7/1/17	6/30/2050	\$5,421,125	\$154,476,000																				
Sewer Capital	10500	OCSD EQUITY LONG TERM CAPITAL PROGRAM 2018	7/1/17	6/30/2050	(\$364,375)	\$13,591,000																				
Sewer Capital	10594	OCSD SOLIDS LEASE LONG TERM CAPITAL PROGRAM	7/1/17	6/30/20	\$4,691,000	\$9,582,000																				
Potable Capital	10503	OCWD ANNEXATION LONG TERM CAPITAL PROGRA	7/1/17	1/30/2050	\$598,100	\$22,861,400		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5											
Potable Capital	01336	OFFICE SPACE IMPROVEMENTS-DW	6/1/18	12/31/19	\$284,628	\$477,300	100.0																			
Recycled Capital	01257	OFFICE SPACE IMPROVEMENTS-RW	6/1/18	12/31/19	\$111,613	\$181,400																				
Sewer Capital	01549	OFFICE SPACE IMPROVEMENTS-SS	6/1/18	12/31/19	\$265,597	\$445,900																				

System	Project	Project Title	Start	End	FY18-19 Direct	Total Direct	Improvement Districts																				
							1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2220	2120	2130	2250	2400	2530	256	2850	2880		
Recycled Capital	07096	OSO RES STRAINER AND METER	4/1/18	12/31/19	\$218,524	\$375,100												14.6	10.7	4.1	51.0	7.7	10.4		1.5		
Recycled Capital	05919	PA1 NHB1 ORCHARD HILLS 16 ZC 6 ZC+	10/1/14	7/31/18	\$21,522	\$561,400																				100.0	
Potable Capital	07012	PA1 NHB3 ORCHARD HILLS 16 DW Z5	2/1/16	7/31/18	\$60,474	\$889,700																					
Recycled Capital	07013	PA1 NHB3 ORCHARD HILLS 6 8 10 12 RW ZC	2/1/16	7/31/18	\$27,569	\$475,200																				100.0	
Recycled Capital	07017	PA1 NHB3 ORCHARD HILLS 6 8 RW ZC+	2/1/16	7/31/18	\$14,229	\$250,800																				100.0	
Recycled Capital	07555	PA1 NHB3 ORCHARD HILLS F ST (RIDGE GATE TO E ST	8/1/16	7/31/18	\$13,437	\$167,800																				100.0	
Recycled Capital	01722	PA1 NHB4 ORCHARD HILLS RW	6/1/19	6/30/22	\$4,219	\$566,500																				100.0	
Sewer Capital	07173	PA1 PORTOLA PKWY SEWER REPLACEMENT	6/1/19	6/30/22	\$8,038	\$744,700																				100.0	
Potable Capital	04680	PA18S HIDDEN CANYON 12 DW	7/1/13	7/31/18	\$7,115	\$315,700																					
Recycled Capital	05168	PA18S HIDDEN CANYON 36 RW PIPELINE	3/1/13	7/31/18	\$60,474	\$2,208,200															14.6	10.7	4.1	51.0	7.7	10.4	1.5
Recycled Capital	04681	PA18S HIDDEN CANYON 6 -8 RW	7/1/13	7/31/18	\$7,115	\$315,700																				100.0	
Recycled Capital	03735	PA39 PH2 FACILITIES-RW	6/1/16	10/31/18	\$184,508	\$470,000																				100.0	
Recycled Capital	03734	PA40 TRAVELAND FACILITIES-RW	6/1/19	7/31/22	\$4,269	\$447,700																			21.0	79.0	
Sewer Capital	05788	PA51 ALTON PKWY SS RELOCATION 12 AND 18	8/1/14	7/31/18	\$40,981	\$1,232,300																				100.0	
Potable Capital	05816	PA51 ALTON-TECHNOLOGY TO MUIRLANDS 12 DW	9/1/14	7/31/18	\$5,817	\$177,100																					
Recycled Capital	05818	PA51 ALTON-TECHNOLOGY TO MUIRLANDS 16 RW	9/1/14	7/31/18	\$12,162	\$344,300																				87.4	12.6
Sewer Capital	05817	PA51 ALTON-TECHNOLOGY TO MUIRLANDS SS RELO	9/1/14	7/31/18	\$53,672	\$1,326,300																				100.0	
Potable Capital	05756	PA51 B ST FROM SOCIABLE TO IRVINE BLV 12 ZN 4	8/1/14	7/31/18	\$7,932	\$243,100																					
Recycled Capital	05757	PA51 B ST FROM SOCIABLE TO IRVINE BLV 16 ZN C	8/1/14	7/31/18	\$7,879	\$240,900																				99.6	0.4
Potable Capital	06304	PA51 BENCHMARK-BOSQUE TO 550-E/O BOSQUE 12	3/1/15	7/31/18	\$1,957	\$49,500																					
Recycled Capital	06306	PA51 BENCHMARK-BOSQUE TO 550-E/O BOSQUE 6 Z	3/1/15	7/31/18	\$1,957	\$49,500																				99.6	0.4
Potable Capital	04645	PA51 C ST FROM LQ ST TO O ST DW	7/1/13	7/31/18	\$5,191	\$211,700																					
Recycled Capital	04646	PA51 C ST FROM LQ ST TO O ST RW	7/1/13	7/31/18	\$5,989	\$266,200																				99.6	0.4
Sewer Capital	04653	PA51 C ST FROM TRABUCO RD TO LQ ST SS	7/1/13	7/31/18	\$8,440	\$403,700																				100.0	
Recycled Capital	05758	PA51 CADENCE-PUSAN TO CHINON 12_16RW	8/1/14	7/31/18	\$8,196	\$271,700																				87.4	12.6
Potable Capital	10343	PA51 D5 A ST 12 DW	4/1/18	12/31/19	\$418,062	\$989,000																				100.0	
Recycled Capital	10344	PA51 D5 A ST 12_10 RW	4/1/18	12/31/19	\$445,516	\$1,059,000																				100.0	
Recycled Capital	10255	PA51 D5 CADENCE S 10RW	4/1/18	12/31/19	\$57,656	\$138,000																				100.0	
Potable Capital	10254	PA51 D5 CADENCE S 12DW	4/1/18	12/31/19	\$58,566	\$138,000																				100.0	
Sewer Capital	10117	PA51 D5 CADENCE S FROM O TO CHINON 12SS	4/1/18	12/31/19	\$205,988	\$487,000																				100.0	
Recycled Capital	10024	PA51 D5 CHINON 16 RW, 12 RW and 10 RW ZONE C	4/1/18	6/30/20	\$100,623	\$457,000																				99.6	0.4
Sewer Capital	10023	PA51 D5 CHINON FROM SOUTH CADENCE TO CADEN	4/1/18	6/30/20	\$109,657	\$502,000																				100.0	
Potable Capital	10022	PA51 D5 CHINON FROM SOUTH CADENCE TO CADEN	4/1/18	6/30/20	\$80,792	\$392,000																				98.2	1.8
Potable Capital	06683	PA51 GP BENCHMARK AND MODJEKSA (DISTRICT 4)	8/1/15	7/31/18	\$6,409	\$150,700																				98.2	1.8
Recycled Capital	06684	PA51 GP BENCHMARK AND MODJESKA (DISTRICT 4)	8/1/15	7/31/18	\$40,480	\$971,300																				99.6	0.4
Potable Capital	06552	PA51 GP BENCHMARK AND PERSPECTIVE 12 DW Z4R	7/1/15	7/31/18	\$5,870	\$147,400																				98.2	1.8

Irvine Ranch Water District
Fiscal Year 2018-19 Capital Budget
Section 2 - Flagged Projects

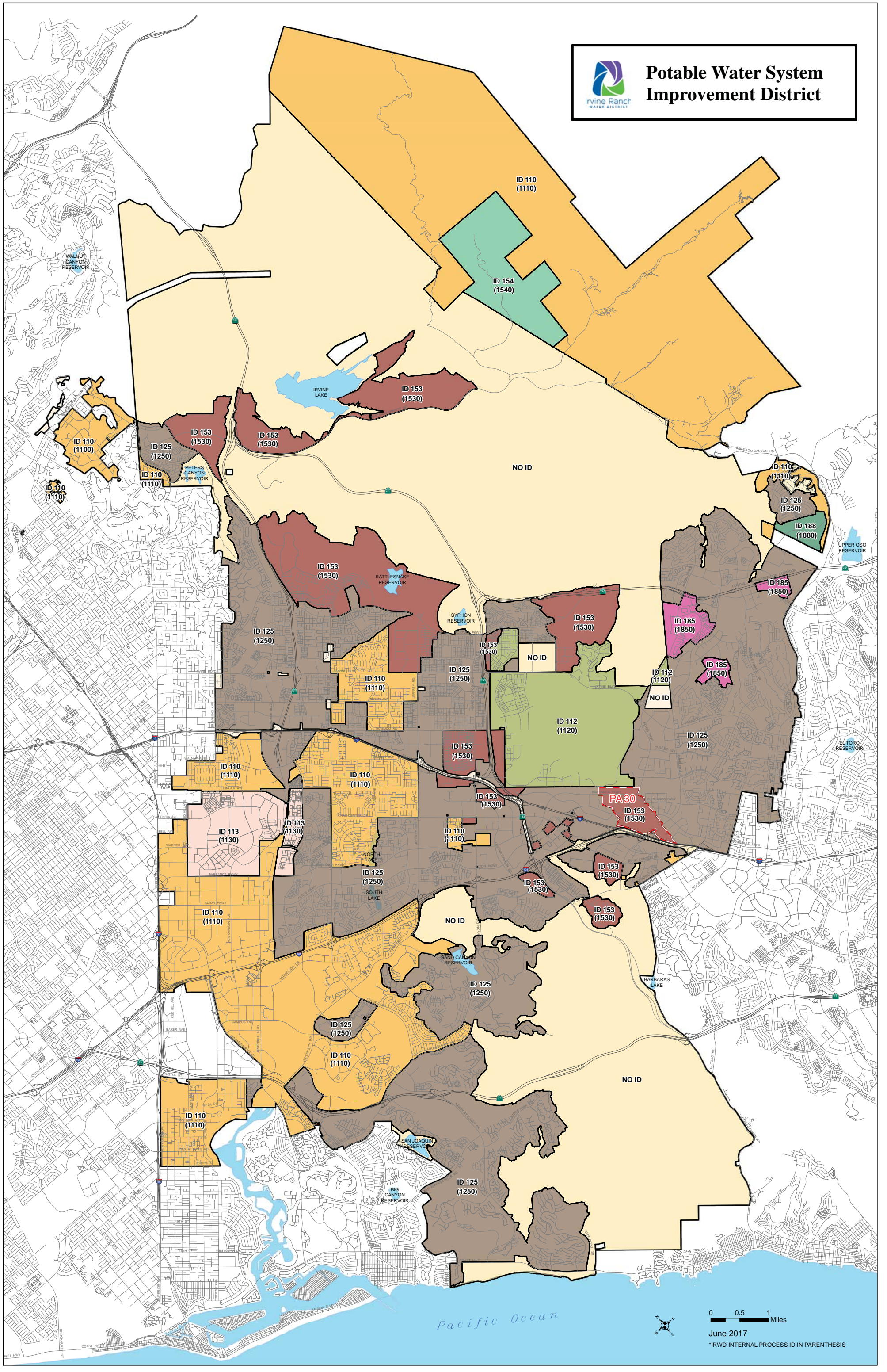
Project Number	Project Title	Flagged Project	Project Status
01402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY	Yes	Board Approved
03808	SYPHON RESERVOIR IMPROVEMENTS	Yes	Active
07140	TUSTIN LEGACY RED HILL WELL DRILLING AND EQUIPPING	Yes	Board Approved

Irvine Ranch Water District
 Fiscal Year 2018-19 Capital Budget
 Section 3 - Projected FY 2018-19 Expenditures by Fiscal Year Expenditure Groups

FY Exp Category	FY18-19 Direct	Total Direct	FY Replacement	FY Developed	FY Developing
Replacement & Rehabilitation	\$18,398,253	\$45,774,190	\$17,652,782	\$627,745	\$117,727
Solids Handling	\$18,364,808	\$227,573,100	\$8,355,988	\$8,558,001	\$1,450,820
Regional Development	\$11,026,497	\$16,137,600	\$569,341	\$345,307	\$10,111,848
OCSD - CORF - Solids Lease	\$9,747,750	\$177,649,000	\$3,941,158	\$4,743,764	\$1,062,829
Zone 1 Reservoir No. 2	\$6,210,209	\$12,626,300	\$0	\$4,974,378	\$1,235,832
Operational	\$5,432,011	\$45,384,500	\$555,094	\$4,034,105	\$842,812
Development - PA51	\$3,877,186	\$36,038,500	\$0	\$0	\$3,877,186
ILP Zone C+ Conversion	\$3,668,707	\$25,373,600	\$32,040	\$989,606	\$2,647,060
Well Rehabilitation	\$3,201,939	\$6,610,000	\$3,201,939	\$0	\$0
General Plant	\$2,694,250	\$2,694,250	\$1,902,141	\$619,678	\$172,432
Nonpotable Storage	\$2,073,169	\$78,277,700	\$0	\$1,519,649	\$553,520
Planning	\$1,914,077	\$3,365,100	\$240,000	\$1,281,937	\$392,140
Water Resources	\$1,789,417	\$7,542,400	\$753,500	\$829,769	\$206,147
Water Banking	\$1,540,883	\$12,040,800	\$0	\$1,234,248	\$306,636
Replacement-Business Software	\$1,397,041	\$8,710,200	\$419,850	\$790,059	\$187,132
Development - Tustin Legacy	\$684,010	\$4,119,200	\$0	\$0	\$684,010
OCWD Annexation	\$598,100	\$22,861,400	\$0	\$479,078	\$119,022
Sewage Treatment	\$578,811	\$1,375,600	\$0	\$456,445	\$122,367
Property Management	\$533,147	\$24,969,300	\$533,147	\$0	\$0
Development - Lake Forest	\$417,290	\$3,047,700	\$0	\$106,397	\$310,892
Development - PA39	\$184,508	\$470,000	\$0	\$0	\$184,508
Development - SHII	\$152,195	\$7,095,600	\$0	\$0	\$152,195
Development - PA1	\$135,260	\$3,405,300	\$0	\$0	\$135,260
Development - PA6	\$115,979	\$2,268,000	\$0	\$0	\$115,979
Development - PA18	\$74,704	\$2,839,600	\$0	\$44,328	\$30,376
Development - PA9B	\$7,990	\$506,100	\$0	\$0	\$7,990
Development - PA40	\$4,269	\$447,700	\$0	\$0	\$4,269
	\$94,822,459	\$779,202,740	\$38,156,979	\$31,634,492	\$25,030,988



Potable Water System Improvement District



0 0.5 1 Miles

June 2017

*IRWD INTERNAL PROCESS ID IN PARENTHESIS

