

C A P I T A L B U D G E T

FISCAL YEAR 2016/17

APPROVED
APRIL 25, 2016



IRVINE RANCH WATER DISTRICT
15600 SAND CANYON AVENUE
IRVINE, CA 92618

CAPITAL BUDGET

FISCAL YEAR 2016/17

**Approved
April 25, 2016**



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

FISCAL YEAR 2016/17 CAPITAL BUDGET

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2016/17 Capital Budget
Project Expenditures by Project Number

<u>Project No.</u>	<u>Project Title</u>	<u>FY Direct</u>	<u>FY Dir + GA</u>	<u>Total Direct</u>	<u>Total Dir + GA</u>	<u>Flag</u>
1015	TECHNOLOGY DR AND LAGUNA CANYON RD RW ZONE B	1,404,700	1,487,900	3,223,500	3,556,500	No
1038	TUSTIN LEGACY MASTER DW FACILITIES	159,200	232,300	1,495,200	1,676,500	No
1056	PA39 PHASE 1 RW PIPELINES	200	200	180,400	221,200	No
1062	TUSTIN LEGACY MASTER SEWER FACILITIES	120,000	165,700	1,115,400	1,208,000	No
1100	LAKE FOREST WELL 1 DRILLING	38,700	47,900	1,417,600	1,445,400	Yes
1101	TUSTIN LEGACY MASTER RW FACILITIES	157,000	233,700	1,544,900	1,733,600	No
1117	LAKE FOREST WELL 1 WELLHEAD	31,200	40,400	1,035,100	1,087,000	Yes
1152	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	5,600	5,600	1,078,000	1,198,300	No
1167	GREAT PARK COORDINATION AND SAMP UPDATE	3,500	5,000	132,000	187,500	No
1181	LAKE FOREST DW OFFSITE IMPROVEMENTS	68,700	107,600	424,600	487,600	No
1257	HQ OFFICE IMPROVEMENTS	13,700	18,400	81,400	110,100	No
1264	ASSET OPTIMIZATION - LAKE FOREST DEVELOPMENT	990,500	990,500	6,500,000	6,685,000	No
1308	PA6 RW PIPELINES	486,100	535,600	620,500	697,300	No
1336	HQ OFFICE IMPROVEMENTS	46,500	64,300	277,300	383,800	No
1354	PA1 16" Z5 PIPE, 5-4 PRVS NEIGHBORHOOD 3	11,000	29,400	1,237,500	1,367,100	No
1373	OCWD ANNEXATION FEE 16/17	580,600	580,600	580,600	580,600	No
1398	SANTIAGO HILLS II DW TRANSMISSION SYSTEM	460,100	706,700	10,506,300	11,431,300	No
1402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY	5,300	6,700	133,100	170,100	Yes
1414	SAND CANYON 16" DW PIPELINE ANODE REPLACEMENT	1,600	4,200	243,100	308,000	No
1429	OCSO SOLIDS HANDLING 16/17	1,391,000	1,391,000	1,391,000	1,391,000	No
1459	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	10,700	10,700	1,958,400	2,282,200	No
1516	OCSO EQUITY 15/16	2,293,000	2,293,000	6,854,000	6,854,000	No
1520	GREAT PARK COORDINATION AND SAMP UPDATE	3,500	5,000	132,000	187,500	No
1530	OCSO EQUITY 16/17	7,907,100	7,907,100	11,893,000	11,893,000	No
1549	HQ OFFICE IMPROVEMENTS	41,200	59,000	245,900	352,400	No
1554	OCSO CORF 15/16	1,202,900	1,202,900	5,988,000	5,988,000	No
1561	OCSO CORF 16/17	4,611,700	4,611,700	5,774,000	5,774,000	No
1716	PA1 ORCHARD HILLS NEIGHBORHOOD 3	34,100	52,700	326,700	391,600	No
1722	PA1 ORCHARD HILLS NEIGHBORHOOD 4	74,200	139,000	566,500	640,600	No
1762	PA9B PHASE 5 GATEWAY PARK RW PIPES	7,600	11,400	506,100	620,900	No
1813	SANTIAGO DAM & OUTLET TWR SEISMIC STABILITY	229,300	266,100	568,700	689,000	No
3566	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	832,900	1,042,200	2,432,100	3,264,700	No
3567	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	832,900	1,042,200	2,432,100	3,264,700	No

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3734	PA40 TRAVELAND RW FACILITIES	4,800	7,600	447,700	521,900	No
3735	PA39 PH2 RW FACILITIES	88,600	107,100	226,600	261,800	No
3750	SOCWA ETM PROTECTION - TRAIL BRIDGE CROSSING	5,500	14,800	951,500	979,300	No
3766	STOCKDALE WEST INTEGRATED WATER BANKING PROJECT	5,424,400	5,516,800	12,340,600	12,867,900	No
3779	SALT MANAGEMENT PLAN DEVELOPMENT	13,500	15,000	472,300	526,000	No
3780	SAN JOAQUIN RESERVOIR LINER REPLACEMENT	8,900	11,400	2,807,900	2,942,200	No
3808	SYPHON RESERVOIR EXPANSION	82,000	117,400	60,169,200	61,020,200	Yes
3977	PA51 TRABUCO RD, SR133 TO LY ST DW	2,300	2,300	156,200	211,800	No
3980	PA51 TRABUCO RD, SR133 TO LY ST SEWER	2,500	2,500	161,700	217,300	No
3983	PA51 TRABUCO RD, SR133 TO LY ST RW	8,500	8,500	480,700	601,000	No
4147	PA51 MARINE WAY RW ZNB	27,600	30,700	541,200	643,100	No
4153	PA51 MARINE WAY DW ZN3	21,500	24,100	420,200	503,600	No
4261	PA51 RIDGE VALLEY, TRABUCO TO IRVINE BLVD - DW	17,000	17,000	723,800	890,300	No
4263	PA51 RIDGE VALLEY, TRABUCO TO IRVINE BLVD - SS	10,100	10,100	436,700	557,000	No
4264	PA51 RIDGE VALLEY, TRABUCO TO IRVINE BLVD - RW	4,300	4,300	194,700	250,300	No
4267	PA51 RIDGE VALLEY, MARINE WAY TO TRABUCO - SEWER	41,500	41,500	1,493,800	1,706,600	No
4268	PA51 RIDGE VALLEY, MARINE WAY TO TRABUCO - DW	14,200	14,200	486,200	560,300	No
4278	PA51 RIDGE VALLEY, MARINE WAY TO TRABUCO - RW	14,600	14,600	464,200	538,300	No
4286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES	45,574,200	46,780,000	196,465,500	202,200,500	No
4318	PA40 PH3B RW CAPITAL FACILITIES	200	200	165,000	200,200	No
4366	TUSTIN LEGACY TUSTIN RANCH, BARRANCA, ARMSTRONG DW	7,100	7,100	343,200	417,300	No
4368	TUSTIN LEGACY TUSTIN RANCH, BARRANCA, ARMSTRONG RW	15,400	15,400	689,700	800,700	No
4394	EBS UPGRADE ID CONSOL AND PROJECT MGMT IMPLEMENT	1,568,600	2,025,500	2,092,800	2,702,400	No
4395	EBS UPGRADE ID CONSOL AND PROJECT MGMT IMPLEMENT	1,568,600	2,025,500	2,092,800	2,702,400	No
4397	LAWRP SYSTEM UPGRADES	5,800	8,700	1,418,700	1,511,300	No
4400	MULTI-ZONE BPS - ZONE A-C	477,100	629,000	2,795,200	3,091,300	No
4401	DRWF WELL 18 REHAB	768,900	841,100	770,000	844,100	No
4409	CHLORAMINE BOOSTER STATIONS AT 2 DW RESERVOIRS	1,658,400	1,770,600	2,877,400	3,252,800	No
4457	MULTI-ZONE BPS - ZONE A-B	483,200	626,400	3,005,200	3,264,300	No
4467	MWRP REPAIRS: ACT SLUDGE, 2DARY TANKS, RAS/WAS	181,700	263,800	3,181,600	3,412,900	No
4510	TUSTIN LEGACY WARNER - LEGACY TO TUSTIN RANCH DW	4,200	4,200	196,900	252,500	No
4511	TUSTIN LEGACY WARNER - LEGACY TO TUSTIN RANCH RW	4,500	4,500	207,900	263,500	No
4512	PA5B PHASE 1A 12" ZONE 3 DW	4,700	4,700	132,000	174,600	No

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4513	PA5B PHASE 1A AND 1B 6" & 8" RW	14,300	16,300	298,200	363,100	No
4514	PA5B PHASE 1A AND 1B 36" RW	80,000	80,000	1,769,400	1,936,000	No
4515	PA5B IRVINE BLVD 8" ZONE B RW	5,200	5,200	100,100	131,700	No
4528	PA40 NEIGHBORHOOD 2G BACKBONE RW FACILITIES	200	200	108,900	144,100	No
4557	PA6 PHASE 1 NEIGHBORHOOD 3 ZONE C RW	11,900	11,900	315,700	380,600	No
4614	PA51 REACH A SEWER IMPROVEMENTS	639,900	679,300	3,956,500	4,326,500	No
4620	PA51 LN ST FROM C ST TO LY ST DW	4,100	4,100	172,700	219,100	No
4621	PA51 LN ST FROM C ST TO LY ST RW	2,300	2,300	105,600	140,800	No
4645	PA51 C ST FROM LQ ST TO O ST DW	3,600	3,600	161,700	217,400	No
4646	PA51 C ST FROM LQ ST TO O ST RW	6,800	6,800	266,200	331,100	No
4647	PA51 LY ST FROM TRABUCO RD TO LQ ST RW	5,600	5,600	205,700	289,000	No
4648	PA51 LQ ST FROM O ST TO LY ST SEWER	5,800	5,800	255,200	310,800	No
4649	PA51 LQ ST FROM O ST TO LY ST RW	1,900	1,900	78,100	104,100	No
4650	PA51 LY ST FROM LQ ST TO IRVINE BLVD DW	800	800	51,700	88,900	No
4651	PA51 LY ST FROM LQ ST TO IRVINE BLVD SEWER	55,900	55,900	1,662,200	1,958,200	No
4652	PA51 LY ST FROM LQ ST TO IRVINE BLVD RW	27,800	27,800	938,300	1,252,800	No
4653	PA51 C ST FROM TRABUCO RD TO LQ ST SEWER	9,100	9,100	403,700	524,000	No
4680	PA18S HIDDEN CANYON 12" DW	7,300	7,300	315,700	399,100	No
4681	PA18S HIDDEN CANYON 6" & 8" RW	7,300	7,300	315,700	399,100	No
4717	PA1 ORCHARD HILLS NH 2 - 6" ZNB & 6" ZNC RW	5,600	5,600	238,700	322,000	No
4753	PA5B PHASE 2 6" RW	2,600	2,600	57,200	68,400	No
4824	PA51 LV ST FROM RIDGE VALLEY TO LY ST 18" SEWER	7,700	7,700	310,200	421,200	No
4825	PA51 LV ST FROM RIDGE VALLEY TO LY ST 12" RW	8,100	8,100	321,200	423,000	No
4985	PETERS CANYON WATER CAPTURE AND REUSE PIPELINE	424,500	434,400	10,959,800	11,446,400	No
4988	TUSTIN LEGACY WARNER FROM ARMSTRONG TO LEGACY DW	1,600	1,600	60,500	77,300	No
4989	TUSTIN LEGACY WARNER FROM ARMSTRONG TO LEGACY RW	7,700	7,700	282,700	375,300	No
4990	PA1 ORCHARD HILLS NEIGHBORHOOD 2, 6" ZNC RW	2,900	2,900	84,700	95,900	No
5016	PA51 C ST FROM LV ST TO TRABUCO SEWER	9,000	9,000	370,700	491,000	No
5027	BAKER WATER TREATMENT PLANT	10,421,500	10,971,000	96,852,000	99,331,000	No
5154	SJR SEISMIC EVALUATION (DSOD)	700	1,700	150,700	215,500	No
5156	LAGUNA CANYON RD RW PIPELINE CORROSION REPLACE	2,000	4,600	588,500	644,100	No
5168	PA18S HIDDEN CANYON 36" RW PIPELINE	58,700	58,700	2,208,200	2,485,700	No
5174	MAIN ST DIVERSION STRUCTURE GROUND SETTling	95,700	131,000	191,400	241,400	No

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5186	SJM SLS UPGRADE	1,200	3,100	181,000	222,400	No
5243	PA6 NEIGHBORHOOD 4B 6" RW ZONE D	23,100	23,100	526,900	649,100	No
5298	RAISE DW SYSTEM VALVES 16/17 UNDER RA	577,500	623,800	577,500	623,800	No
5302	RAISE MANHOLES TO GRADE 16/17 UNDER RA	346,500	374,300	346,500	374,300	No
5305	RAISE RW SYSTEM VALVES 16/17 UNDER RA	138,600	149,700	138,600	149,700	No
5338	MARSH MITIGATION CREDIT INVENTORY	36,300	45,600	36,300	45,600	No
5404	LAKE FOREST Z2-2RA PRV AT COMMERCENTRE	16,500	17,800	337,700	374,800	No
5406	EL MODENA INLET MODIFICATION	1,000	2,300	156,200	184,100	No
5407	ILP NORTH CONVERSION - RESERVOIR	7,044,100	7,138,100	14,382,500	14,761,800	No
5410	COASTAL ZONE 2 PRV MODIFICATION (DPR16)	1,900	4,600	187,100	228,500	No
5411	COMPRESSED NATURAL GAS MOTOR FUEL	23,000	24,200	68,800	72,500	No
5412	SCSMP UPDATE AND LONG-TERM FLOW MONITORING	129,200	170,600	1,155,000	1,525,000	No
5427	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	613,700	820,100	921,300	1,231,200	No
5428	CAPITAL PLANNING SUPPORT 16/17 DW	242,000	427,000	242,000	427,000	No
5429	CAPITAL PLANNING SUPPORT 16/17 RW	242,000	427,000	242,000	427,000	No
5430	CAPITAL PLANNING SUPPORT 16/17 SEWER	242,000	427,000	242,000	427,000	No
5431	WRMP UPDATE DW	44,000	81,000	132,000	243,000	No
5432	WRMP UPDATE RW	44,000	81,000	132,000	243,000	No
5442	SERVICE LINE, VALVE & MAIN REPLACEMENT-DW 16/17	1,685,000	1,703,500	1,685,000	1,703,500	No
5447	MECH & ELEC SYS REPLACEMENT - DW 16/17	880,000	880,000	880,000	880,000	No
5449	MECH & ELEC SYS REPLACEMENT - SEWER 16/17	550,000	550,000	550,000	550,000	No
5451	MECH & ELEC SYS REPLACEMENT - RW 16/17	660,000	660,000	660,000	660,000	No
5452	SERVICE LINE, VALVE & MAIN REPLACEMENT-RW 16/17	515,800	534,300	515,800	534,300	No
5453	WELLS 12 AND 13 ROOF HATCHES REPLACEMENT	223,900	243,200	357,000	417,200	No
5454	RESIDENTIAL METER REPLACEMENT-DW 16/17	267,300	291,400	267,300	291,400	No
5455	MWRP SYS REPLACEMENTS 16/17	442,200	445,900	442,200	445,900	No
5457	SEWER GEN SYS MODS 16/17	330,000	330,000	330,000	330,000	No
5469	MWRP FPS 2 ROOF REPLACEMENT	343,800	378,500	497,900	571,900	No
5470	NEWPORT COAST SLS AND FM RECOATING (REHAB)	1,033,300	1,104,700	1,432,200	1,571,100	No
5471	SEWER LATERAL & MAIN REPLACEMENT 16/17	218,900	237,400	218,900	237,400	No
5472	CSR METER REPLACEMENT-DW 16/17	213,200	222,500	213,200	222,500	No
5473	WELLS 11 AND 15 SURGE TANK REPLACEMENT	724,400	731,000	1,213,300	1,320,600	No
5475	GEN SYS MODS-DW 16/17	190,300	231,100	190,300	231,100	No

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5476	RATTLESNAKE ZONE A BPS REBUILD	5,300	14,600	3,937,700	4,002,600	No
5478	LAWRP SYSTEM REPLACEMENTS 16/17	132,000	132,000	132,000	132,000	No
5479	1" TO 2" METER REPLACEMENT-DW 16/17	170,200	195,000	170,200	195,000	No
5480	GEN SYS MODS-RW 16/17	101,800	124,100	101,800	124,100	No
5481	CSR METER REPLACEMENT-RW 16/17	112,200	115,900	112,200	115,900	No
5483	1" TO 2" METER REPLACEMENT-RW 16/17	117,000	130,900	117,000	130,900	No
5499	STOCKDALE STORAGE FOR RECOVERY CAPACITY	1,585,500	1,594,700	1,590,800	1,609,300	No
5504	WELL MAINTENANCE AND REHABILITATION 16/17	220,000	220,000	220,000	220,000	No
5519	EAST IRVINE ZONE 1 TO 3 BPS PIPE/METER	64,900	70,500	600,100	670,400	No
5520	MAINTENANCE ACCESS FOR FOUR SEWER REACHES	1,400	3,300	368,000	409,400	No
5535	PA51 LQ ST FROM BOSQUE TO Z ST 12" SEWER	653,400	746,400	1,510,300	1,880,300	No
5536	PA51 LQ ST FROM BOSQUE TO Z ST 12" RW	117,600	142,400	416,900	518,700	No
5756	PA51 "B" ST FROM SOCIABLE TO IRVINE BLV 12" ZN 4	29,800	36,200	243,100	315,300	No
5757	PA51 "B" ST FROM SOCIABLE TO IRVINE BLV 16" ZN C	29,500	33,500	240,900	296,500	No
5758	PA51 CADENCE - PUSAN TO CHINON 12" & 16"	72,400	81,700	271,700	327,300	No
5763	PA6 NEIGHBORHOOD 5A RW ZONE D	6,600	7,600	132,000	159,800	No
5788	PA51 ALTON PKWY SS RELOCATION 12" AND 18"	222,300	270,600	1,832,300	2,461,300	No
5816	PA51 ALTON, TECHNOLOGY TO MUIRLANDS 12" DW	52,100	60,800	177,100	225,200	No
5817	PA51 ALTON, TECHNOLOGY TO MUIRLANDS SS RELOCATION	412,000	443,000	1,326,300	1,474,300	No
5818	PA51 ALTON, TECHNOLOGY TO MUIRLANDS 16" RW	105,500	120,400	344,300	409,100	No
5823	ILP NORTH CONVERSION - PIPELINES	6,618,000	6,833,300	10,991,100	11,592,500	No
5919	PA1 ORCHARD HILLS, NEIGHBORHOOD 1, 16" ZC 6" ZC+	259,300	327,700	521,400	724,900	No
6010	TUSTIN LEGACY PARK AVE FROM JAMBOREE TO VICTORY SS	18,400	21,500	64,900	83,500	No
6013	WATER SUPPLY AND SYSTEM RELIABILITY MODEL	93,400	107,200	664,800	762,900	No
6016	PA51 IRVINE BLVD, LAMBERT TO Z ST 12" DW	102,400	123,300	156,200	208,100	No
6017	PA51 IRVINE BLVD, LAMBERT TO Z ST 16" SS	74,700	91,400	115,500	158,200	No
6018	PA51 IRVINE BLVD, LAMBERT TO Z ST 20" RW	966,500	1,105,200	1,412,400	1,726,900	No
6023	ROSEDALE DROUGHT RELIEF PROJECT FACILITIES	4,004,100	4,218,000	9,872,500	10,399,800	No
6048	PA51 MARINE WAY, ALTON TO BARRANCA 18" SS	59,200	59,200	1,424,500	1,776,000	No
6056	PA40 8TH ST RIDGE VALLEY TO C ST CAPITAL 6" RW	18,700	22,600	283,800	381,900	No
6086	PA51 MARINE WAY FROM ALTON TO BARRANCA 12" DW ZN 3	11,200	11,200	238,700	301,600	No
6087	PA51 MARINE WAY, ALTON TO BARRANCA 16" RW ZN B	13,400	13,400	281,600	352,100	No
6109	TUSTIN LEGACY PARK AVE & MOFFETT DR 12" DW	232,900	254,800	579,700	681,600	No

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6110	TUSTIN LEGACY PARK AVE & MOFFETT DR 16" & 15" SS	330,800	367,900	387,200	461,400	No
6111	TUSTIN LEGACY PARK AVE & MOFFETT DR 16" & 6" RW	227,800	249,700	568,700	670,600	No
6121	VAULT LID REPLACEMENT - DW	3,300	8,500	397,700	492,200	No
6122	VAULT LID REPLACEMENT - SEWER	3,300	5,900	96,300	146,300	No
6123	VAULT LID REPLACEMENT - RW	1,600	4,200	195,300	245,300	No
6160	CENTRALIZED CONTROL ROOM AT MWRP	1,800	4,400	170,000	211,600	No
6161	CENTRALIZED CONTROL ROOM AT MWRP	1,800	4,400	170,000	211,600	No
6165	DRWF SURGE TANKS	427,900	451,000	528,600	580,400	No
6167	OPS CENTER PERMANENT GENERATOR	535,000	599,800	618,800	729,900	No
6168	SAN JOAQUIN MARSH IMPROVEMENTS	1,562,300	1,670,100	1,776,700	1,943,300	No
6198	IIC ZONE B BPS UPGRADES	244,800	263,900	734,600	779,000	No
6200	GIS SUPPORT APPLICATIONS 16/17 - DOMESTIC	60,000	94,200	60,000	94,200	No
6203	GIS SUPPORT APPLICATIONS 16/17 - RECYCLED	60,000	94,200	60,000	94,200	No
6204	GIS SUPPORT APPLICATIONS 16/17 - SEWER	60,000	94,200	60,000	94,200	No
6208	PA51 MARINE WAY: SR133 TO RIDGE VALLEY 12" ZONE 3	63,600	77,400	82,500	110,400	No
6209	PA51 MARINE WAY: SR133 TO RIDGE VALLEY 6" ZONE B	40,300	50,500	53,900	74,300	No
6210	ASSET OPTIMIZATION - SAND CANYON PROFESSIONAL CTR	3,572,600	3,602,400	17,624,300	17,670,600	No
6212	NTS INFILTRATION STUDY	32,400	38,800	64,900	77,900	No
6213	IDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	1,596,700	1,698,100	2,913,900	3,145,200	No
6214	PDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	165,300	215,800	2,976,900	3,245,200	No
6215	TUSTIN LEGACY RED HILL WELL ACQUISITION	75,700	75,700	522,500	578,000	No
6216	NORTHWOOD ZONE B BPS DEMOLITION	5,500	14,800	539,000	622,400	No
6243	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 16/17	819,500	1,023,100	819,500	1,023,100	No
6245	WATER BANKING AGREEMENTS 16/18	220,100	312,600	440,000	625,000	No
6247	WATER BANKING PLANNING 16/17	137,500	230,000	137,500	230,000	No
6304	PA51 BENCHMARK, BOSQUE TO 550'E/O BOSQUE 12" Z4R	25,700	31,500	49,500	66,200	No
6306	PA51 BENCHMARK, BOSQUE TO 550'E/O BOSQUE 6" ZC	25,700	31,500	49,500	66,200	No
6331	PA51 GP CULTIVATE (BOSQUE TO 500 E/O BOSQUE) 16"	7,900	7,900	220,000	271,900	No
6400	NEWPORT COAST SLS IMPROVEMENTS	1,523,400	1,610,700	2,059,200	2,216,600	No
6401	ZONE 1 RESERVOIR NO. 2	817,600	995,300	12,626,300	13,033,300	No
6470	RANCHO PARKWAY ZONE C RECYCLED WATER PIPELINE	144,600	157,400	997,800	1,146,000	No
6476	PA51 MARINE WAY. RIDGE VALLEY TO 3000' EAST	181,100	213,700	426,800	547,200	No
6479	400/450 SPECTRUM CENTER DR 36" SS RELOCATION	350,000	393,200	596,200	716,500	No

IRVINE RANCH WATER DISTRICT
2016/17 Capital Budget
Project Expenditures by Project Number

<u>Project No.</u>	<u>Project Title</u>	<u>FY Direct</u>	<u>FY Dir + GA</u>	<u>Total Direct</u>	<u>Total Dir + GA</u>	<u>Flag</u>
6512	PA51 GP-1 ST (MARINE TO GP-2 ST) 12" DW	224,200	265,800	355,300	466,300	No
6513	PA51 GP-1 ST (MARINE TO GP-2 ST) 12" SS	595,300	720,100	938,300	1,252,800	No
6514	PA51 GP GP-1 ST (MARINE TO GP-2 ST) 10" RW	335,500	404,800	536,800	721,800	No
6534	PA51 GP PUSAN (EPISODE TO IRVINE BLVD) 12" DW Z4	22,300	28,100	44,000	60,700	No
6535	PA51 GP PUSAN (EPISODE TO IRVINE BLVD) 12" RW ZC	55,300	66,800	106,700	140,200	No
6536	PA51 GP-2 ST (BOSQUE TO GP1 ST) 12" DW	323,200	392,500	531,300	716,300	No
6537	PA51 GP-2 ST (BOSQUE TO GP1 ST) 12" SS	199,500	241,100	333,300	462,800	No
6538	PA51 GP-2 ST (BOSQUE TO GP1 ST) 10" RW	661,900	786,700	1,049,400	1,363,900	No
6552	PA51 GP BENCHMARK AND PERSPECTIVE 12" DW Z4R	76,500	92,500	147,400	195,700	No
6553	PA51 GP BENCHMARK AND PERSPECTIVE 16" SS	126,700	152,900	244,200	323,800	No
6554	PA51 GP BENCHMARK AND PERSPECTIVE 6" RW ZC	67,500	81,200	129,800	170,500	No
6595	PA51 GP TERRAPIN (TRABUCO TO CADENCE) 6" RW ZB	82,100	99,100	180,400	239,700	No
6683	PA51 GP BENCHMARK AND MODJEKSA (DISTRICT 4) 12" DW	88,800	105,500	150,700	195,200	No
6684	PA51 GP BENCHMARK AND MODJESKA (DISTRICT 4) 10"/6"	565,000	680,200	971,300	1,285,800	No
6732	PA51 GP MAGNET (FROM RIDGE V. TO BOSQUE) 6" RW ZB	95,200	113,200	206,800	269,700	No
6747	PA51 GP IRVINE BLVD (AT MERIT) 6" RW ZC	18,100	23,400	34,100	45,300	No
6765	TUSTIN LEGACY MOFFETT DR (AT PETERS CYN) 12" DW Z1	89,900	108,700	116,600	155,500	No
6766	TUSTIN LEGACY MOFFETT DR (AT PETERS CYN) 16" RW ZA	176,200	212,100	226,600	298,900	No
6823	PA51 GP EPISODE (FROM FRAME TO PUSAN) 16" RW ZC	209,700	252,400	323,400	427,000	No
6849	IBC SIDEWALK IMP & APPURTENANCE RELOCATIONS	284,900	310,100	442,900	501,500	No
6850	IBC SIDEWALK IMP & APPURTENANCE RELOCATIONS	31,500	34,400	49,700	56,500	No
6915	PA 6 NBHD 5A 6" AND 8" RECYCLED WATER MAIN ZONE D	235,100	282,500	402,600	530,300	No
6956	PURCHASE PVID EATON PROPERTY	118,400	118,400	10,240,000	10,240,000	No
7009	FPS2 PIPELINE MANIFOLD REPLACEMENT	166,100	258,600	844,800	1,020,600	No
7012	PA1 NHB3 ORCHARD HILLS 16" DW Z5	100,700	132,600	162,800	214,700	No
7013	PA1 NHB3 ORCHARD HILLS 6"8"10"12" RW ZC	271,900	332,600	367,400	482,200	No
7017	PA1 NHB3 ORCHARD HILLS 6"8" RW ZC+	150,100	185,200	203,500	270,200	No
7022	PA51 GREAT PARK GP-2 (FROM GP-3 TO BOSQUE) 12"RWZC	132,800	164,100	180,400	239,700	No
7024	SANTA ANA DELHI DIVERSION PROJECT	155,200	168,900	210,000	228,500	No
7070	OCSJ SJHPC/ GRS	798,700	798,700	1,000,000	1,000,000	No
7082	POTABLE REUSE ALTERNATIVES ANALYSIS DW	110,000	137,800	110,000	137,800	No
7083	POTABLE REUSE ALTERNATIVES ANALYSIS SEWER	110,000	137,800	110,000	137,800	No
7084	REPLACEMENT PLANNING DW	49,900	133,800	440,000	625,000	No

IRVINE RANCH WATER DISTRICT
2016/17 Capital Budget
Project Expenditures by Project Number

<u>Project No.</u>	<u>Project Title</u>	<u>FY Direct</u>	<u>FY Dir + GA</u>	<u>Total Direct</u>	<u>Total Dir + GA</u>	<u>Flag</u>
7085	REPLACEMENT PLANNING RW	49,900	133,800	440,000	625,000	No
7086	CALIFORNIA AVE RW PIPELINE, ACADEMY TO THEORY	13,000	17,600	732,000	809,800	No
7093	DRWF WELL 7 REHAB	1,100	2,900	770,000	844,100	No
7094	LAKE FOREST ZN A RESERVOIR DEMOLITION	160,600	188,500	160,600	188,500	No
7095	MEMBRANE PLANTS NEW ANTISCALANT PILOT TESTING	24,600	30,800	299,300	308,600	No
7096	METER AND VAULT FOR OSO RESERVOIR	2,500	6,400	375,100	449,300	No
7097	MICHELSON DI SFM RELINING	4,000	10,500	1,367,300	1,506,200	No
7098	REBUILD SMH ON MAIN ST E/O MACARTHUR	500	1,200	178,200	220,700	No
7099	SEA WATCH RW MAIN REPLACEMENT (S/O PACIFIC MIST)	2,100	5,500	720,500	794,700	No
7100	SEWER LINE REPAIRS	500	1,300	156,200	202,600	No
7101	UCI CT RW CONV ACADEMY WAY	951,500	988,600	951,500	988,600	No
7102	UCI CT RW CONV CALIFORNIA, UNIV TO ACADEMY	346,500	383,600	346,500	383,600	No
7103	UCI CT RW CONVERSION ONSITE PIPELINES	79,800	79,800	1,050,000	1,050,000	No
7112	VACTOR ACCESS TO SMH ON SO IRVINE INTERCEPTOR	1,400	3,800	347,600	421,800	No
7117	OPS CENTER ROOF REPLACEMENT	166,000	272,500	166,000	272,500	No
7118	OPS CENTER ROOF REPLACEMENT	166,000	272,500	166,000	272,500	No
7119	OPS CENTER ROOF REPLACEMENT	166,000	194,700	166,000	194,700	No
7133	SERRANO SUMMIT DW IMPROVEMENTS	97,300	174,800	402,600	522,900	No
7134	SERRANO SUMMIT RW IMPROVEMENTS	68,900	137,700	402,600	522,900	No
7135	SERRANO SUMMIT SEWER IMPROVEMENTS	62,600	130,200	325,600	427,500	No
7136	SANTIAGO HILLS II DOMESTIC WATER BPS	275,700	323,400	3,165,900	3,327,900	No
7137	OPA ZONE C+ PIPELINES	933,500	1,007,300	1,550,900	1,735,900	No
7138	SANTIAGO HILLS II DOMESTIC WATER RESERVOIR	746,700	846,400	10,263,800	10,485,800	No
7139	SANTIAGO HILLS II RECYCLED WATER BPS	275,700	323,400	3,165,900	3,327,900	No
7140	TUSTIN LEGACY REDHILL WELL DRILLING AND EQUIPPING	17,200	21,800	4,559,800	4,814,300	Yes
7141	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	302,600	404,900	454,300	607,900	No
7152	WATER AND ENERGY PLANNING STUDIES DW 16/17	126,500	172,800	126,500	172,800	No
7156	NTS INSTRUMENTATION	165,300	220,900	330,000	441,000	No
7158	NON-POTABLE WATER STUDIES 16/17	60,000	78,500	60,000	78,500	No
7170	UNIVERSITY DR WIDENING APPURTENANCE RELOCATION	131,400	155,400	148,000	181,400	No
7171	UNIVERSITY DR WIDENING APPURTENANCE RELOCATION	131,400	155,400	148,000	181,400	No
7172	UNIVERSITY DR WIDENING APPURTENANCE RELOCATION	131,400	155,400	148,000	181,400	No
7174	GENERAL PLANT REGIONAL 16/17 DW	432,500	432,500	432,500	432,500	No

**IRVINE RANCH WATER DISTRICT
2016/17 Capital Budget
Project Expenditures by Project Number**

<u>Project No.</u>	<u>Project Title</u>	<u>FY Direct</u>	<u>FY Dir + GA</u>	<u>Total Direct</u>	<u>Total Dir + GA</u>	<u>Flag</u>
7175	GENERAL PLANT REGIONAL 16/17 SEWER	292,200	292,200	292,200	292,200	No
7176	GENERAL PLANT REGIONAL 16/17 RW	285,300	285,300	285,300	285,300	No
7177	GENERAL PLANT REPLACEMENT 16/17 DW	2,087,600	2,087,600	2,087,600	2,087,600	No
7178	GENERAL PLANT REPLACEMENT 16/17 SEWER	853,900	853,900	853,900	853,900	No
7179	GENERAL PLANT REPLACEMENT 16/17 RW	1,548,200	1,548,200	1,548,200	1,548,200	No
7180	GENERAL PLANT - CONSERVATION	80,000	80,000	80,000	80,000	No
7233	BAKER SOLAR	45,400	54,700	45,400	54,700	No
Grand Total:		\$160,178,300	\$171,209,400	\$676,056,600	\$715,050,900	

IRVINE RANCH WATER DISTRICT

2016/17 Capital Budget

Flagged Projects

<u>Project No.</u>	<u>Project Title</u>
1100	LAKE FOREST WELL 1 DRILLING
1117	LAKE FOREST WELL 1 WELLHEAD
1402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY
3808	SYPHON RESERVOIR EXPANSION
7140	TUSTIN LEGACY REDHILL WELL DRILLING AND EQUIPPING

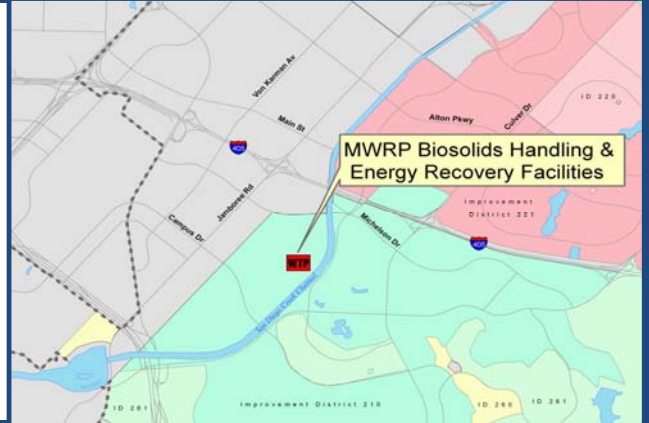
IRVINE RANCH WATER DISTRICT
FY 2016/17 Capital Budget
Top 10 Project Groups

Rank by FY 16/17 Expenditure	Name of Group	FY16/17 Forecasted Expenditures (\$ Millions)	Expended to Date (\$ Millions)	Forecasted Future Expenditures (\$ Millions)	Project Total (\$ Millions)
1	MWRP Biosolids & Energy Recovery Facilities	\$45.6	126.2	24.7	196.5
2	OCSD / CORF / Solids Facilities	\$18.2	0.6	108.0	126.8
3	ILP North Conversion	\$14.6	1.4	11.0	27.0
4	Water Banking & Dry-Year Programs	\$11.5	3.8	20.0	35.3
5	Baker Water Treatment Plant	\$10.4	76.0	10.5	96.9
6	Planning Area 51 (Great Park Neighborhoods)	\$9.5	8.6	25.6	43.7
7	General Plant	\$5.6	0.0	0.0	5.6
8	Annual Operational System Repair and Rehabilitation	\$5.0	0.0	6.6	11.6
9	Business Software	\$4.8	0.8	3.5	9.1
10	Asset Optimization	\$4.6	5.6	14.0	24.2
	Subtotal for Top 10 Project Groups	\$129.8	\$223.0	\$223.9	\$576.7
	Total All Projects	\$160.2			

Project Group Name: 1. MWRP Biosolids and Energy Recovery Facilities

Project Description

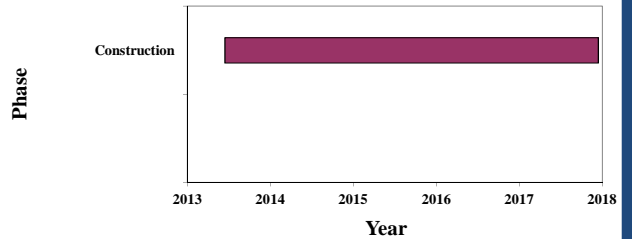
The project includes the construction of facilities for sludge thickening, acid-phase anaerobic digestion, dewatering, drying and pelletization, energy generation using micro-turbines, and use of pellets as a fertilizer or e-fuel. It will also include a solids receiving station to allow processing of dewatered sludge from the Los Alisos Water Recycled Water Plant (LAWRP). A FOG receiving station is included to increase methane production by the digesters and energy production capabilities.



FY 2016/17 Key Milestones:

	Date
Continue MWRP Biosolids and Energy Recovery Facilities Construction	December, 2017
Start-up sludge thickening, digestion, and dewatering facilities.	May, 2016

MWRP Biosolids & Energy Recovery Facilities



Project Group Budget, Source of Funds, and Offset Summary

	Developing	Replacement	Developed	Total	Comments
Total Budget	\$ 15,127,844	\$ 89,391,803	\$ 91,945,854	\$ 196,465,500	
Existing Offsets	\$ -	\$ -	\$ -	\$ -	
Potential Future Offsets	\$ -	\$ -	\$ -	\$ -	
Net Amounts	\$ 15,127,844	\$ 89,391,803	\$ 91,945,854	\$ 196,465,500	

Project Status

In March, 2013, the Board of Directors awarded the construction contract to Filance Balfour Beatty Joint Venture. Construction is ongoing with the MWRP Biosolids Facilities producing Class B solids (dewatered cake for trucking) in early 2017 and Class A (pellets) in late 2017.

Project Group

Project No.	Project	Proj Total Dir	FY16-17 Dir	Forecasted Future Expenditure	Expended to Date	Comments
4286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES	\$ 196,465,500	\$ 45,574,200	\$ 24,710,314	\$ 126,180,986	
TOTAL		\$ 196,465,500	\$ 45,574,200	\$ 24,710,314	\$ 126,180,986	

**Irvine Ranch Water District
Capital Improvement Project, Fiscal Year 2016/17**

Project Group Name: 2. OCSD CORF, Equity, and Solids Facilities

Project Description

OCSD's Capital Outlay Revolving Fund (CORF) funds OCSD projects such as plant upgrades for secondary treatment and the Groundwater Replenishment System (GWRS).

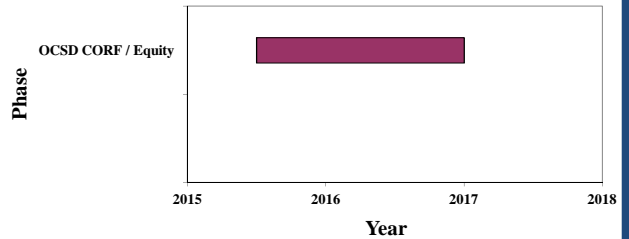


FY 2016/17 Key Milestones:

Date

FY 2016/17 Key Milestones:	Date

OCSD CORF, Equity, & Solids Facilities



Project Group Budget, Source of Funds, and Offset Summary

	Developing	Replacement	Developed	Total	Comments
Total Budget	\$ 4,190,580	\$ 9,186,214	\$ 19,523,206	\$ 32,900,000	
Existing Offsets	\$ -	\$ -	\$ -	\$ -	
Potential Future Offsets	\$ -	\$ -	\$ -	\$ -	
Net Amounts	\$ 4,190,580	\$ 9,186,214	\$ 19,523,206	\$ 32,900,000	

Project Status

OCSD invoices IRWD on a quarterly basis for IRWD's share of funding OCSD construction. IRWD will continue to pay a portion of CORF on an annual basis.

For FY 15/16 CORF payments, staff expects to pay its majority in FY15/16, and the remainder in FY 16/17. For FY 16/17 CORF payments, staff expects to pay its majority in FY 16/17 and will carryover the remainder to FY 17/18.

Project Group

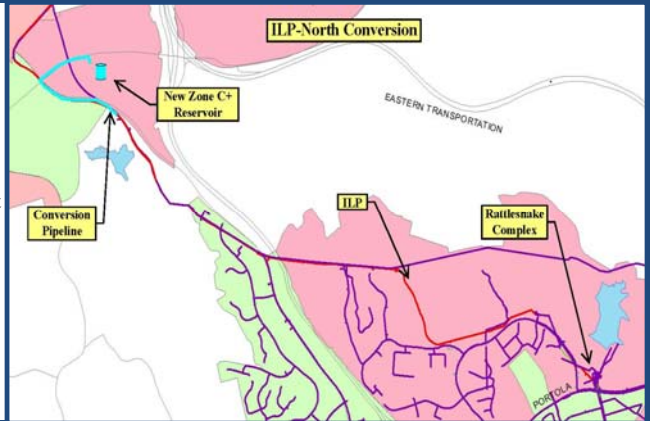
Project No.	Project	Proj Total Dir	FY16-17 Dir	Forecasted Future Expenditure	Expended to Date	Comments
1429	OCSD SOLIDS HANDLING 16/17	\$ 1,391,000	\$ 1,391,000	\$ -	\$ -	
1516	OCSD EQUITY 15/16	\$ 6,854,000	\$ 2,293,000	\$ 4,561,000	\$ -	
1530	OCSD EQUITY 16/17	\$ 11,893,000	\$ 7,907,100	\$ 3,985,900	\$ -	
1554	OCSD CORF 15/16	\$ 5,988,000	\$ 1,202,900	\$ 4,218,061	\$ 567,039	
1561	OCSD CORF 16/17	\$ 5,774,000	\$ 4,611,700	\$ 1,162,300	\$ -	
7070	OCSD SJHPC/ GRS	\$ 1,000,000	\$ 798,700	\$ 201,300	\$ -	
TOTAL		\$ 32,900,000	\$ 18,204,400	\$ 14,128,561	\$ 567,039	

Project Group Name: 3. Irvine Lake Pipeline North Conversion

Project Description

The project includes converting the northern portion of the Irvine Lake Pipeline (ILP) from untreated water to recycled water through the construction of a new Zone C+ Reservoir and associated facilities. The project also includes modifications at the Rattlesnake Complex and Zone A-C booster pump station (BPS).

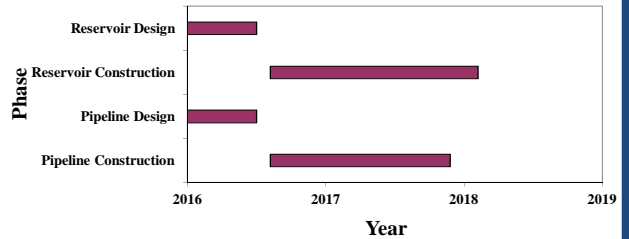
The project is being designed and constructed under three separate projects. One project will design and construct the proposed Zone C+ reservoir and the modifications at the Rattlesnake Complex and the Zone A-C BPS. A second project will design and construct the offsite reservoir inlet and outlet piping. A third project will design and construct the recycled water distribution pipelines in Jamboree and Santiago Canyon Road. All three projects are being executed in parallel.



FY 2016/17 Key Milestones:

Milestone	Date
Design complete	June, 2016
Construction award	August, 2016
Construction complete	January, 2018

ILP-North Conversion



Project Group Budget, Source of Funds, and Offset Summary

	Developing	Replacement	Developed	Total	Comments
Total Budget	\$ 17,767,603	\$ 273,961	\$ 8,882,936	\$ 26,924,500	
Existing Offsets	\$ (6,417,573)	\$ (98,953)	\$ (3,208,474)	\$ (9,725,000)	
Potential Future Offsets	\$ -	\$ -	\$ -	\$ -	
Net Amounts	\$ 11,350,030	\$ 175,007	\$ 5,674,462	\$ 17,199,500	

Project Status

Design completion for the reservoir and offsite pipelines is scheduled for June 2016. The reservoir will be constructed by IRWD, and the offsite pipelines will be constructed by The Irvine Company under a reimbursement agreement. The ILP North Conversion from untreated water to recycled water is anticipated to be complete by January 2018.

Project Group

Project No.	Project	Proj Total Dir	FY16-17 Dir	Forecasted Future Expenditure	Expended to Date	Comments
5823	ILP NORTH CONVERSION - PIPELINES	\$ 10,991,100	\$ 6,618,000	\$ 3,937,542	\$ 435,558	
5407	ILP NORTH CONVERSION - RESERVOIR	\$ 14,382,500	\$ 7,044,100	\$ 6,421,286	\$ 917,114	
7137	OPA ZONE C+ PIPELINES	\$ 1,550,900	\$ 933,500	\$ 617,400	\$ -	
TOTAL		\$ 26,924,500	\$ 14,595,600	\$ 10,976,227	\$ 1,352,673	

**Irvine Ranch Water District
Capital Improvement Project, Fiscal Year 2016/17**

Project Group Name: 4. Water Banking and Dry-Year Programs

Project Description

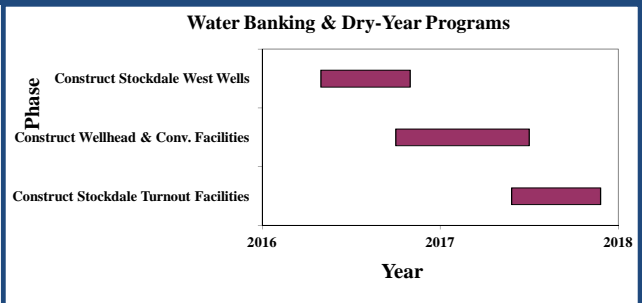
Water Banking and Dry-Year Programs provide IRWD with contingency water storage and supplemental supply to augment IRWD's imported supplies during dry-year periods. This group includes the following projects and features:

- Stockdale West: 269 acres of recharge facilities constructed; CEQA, design and construct 3 future recovery wells, pipelines and turn-in facilities.
- Stockdale West Turnout Facilities Project: Design and construct one future 100 cfs turnout from Cross Valley Canal to Stockdale West and Strand Ranch recharge basins.
- Rosedale Drought Relief Project Design and Well Const: Cost Share in the design and construction of six joint use wells and conveyance facilities to increase recovery capacity by 15 cfs.
- Stockdale Storage for Recovery Capacity: Future long term lease of 50,000 AF of storage capacity from Rosedale-Rio Bravo Water Storage District.
- PVID Property: Purchase of approximately 620 acres in Palo Verde Irrigation District for proposed future water supply reliability benefit - agreements to be developed.



FY 2016/17 Key Milestones:

	Date
Stockdale Storage for Recovery Capacity	November, 2016
Rosedale Drought Relief Project Facilities wellhead design and constructio	December, 2016
Construction of three Stockdale West wells	October, 2016
Construction of wellhead equipping and conveyance facilities	June, 2017
Construction Stockdale West Turnout facilities	November, 2017



Project Group Budget, Source of Funds, and Offset Summary

	Developing	Replacement	Developed	Total	Comments
Total Budget	\$ 6,716,552	\$ -	\$ 27,904,848	\$ 34,621,400	
Existing Offsets	\$ -	\$ -	\$ -	\$ -	
Potential Future Offsets	\$ -	\$ -	\$ -	\$ -	
Net Amounts	\$ 6,716,552	\$ -	\$ 27,904,848	\$ 34,621,400	

Project Status

Construct and equip three wells, pipelines, CVC turn-in, and CVC turn-out (Stockdale West Integrated Banking Project). Complete lease of 50,000 AF storage from Rosedale-Rio Bravo Water Storage District and fund two Rosedale wells as part of storage lease (Stockdale Storage for Recovery Capacity). Complete design reiew for equipping six joint use recovery wells, conveyance pipelines and turn-in (Rosedale Drought Relief Project Facilities). Complete long term exchange program agreements with water banking partners (Water Banking Agreements). Investigate potential water supply/exchange opportunities, expand water rights inventory and additional property search (Water Banking Planning). Complete the purchase of 616.19 acres in Palo Verde Irrigation District (Purchase PVID Eaton Property).

Project Group

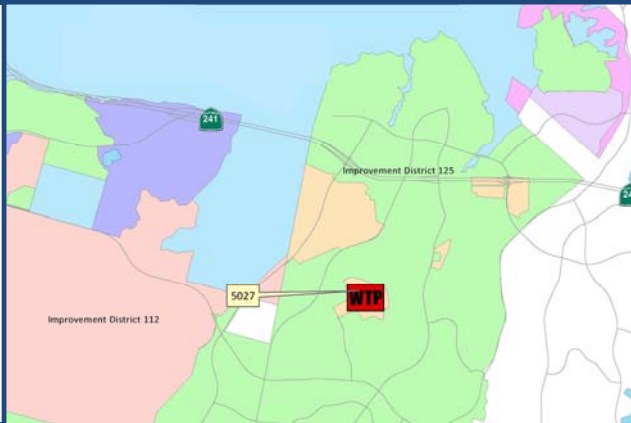
Project No.	Project	Proj Total Dir	FY16-17 Dir	Forecasted Future Expenditure	Expended to Date	Comments
3766	STOCKDALE WEST INTEGRATED WATER BANKING	\$ 12,340,600	\$ 5,424,400	\$ 5,770,144	\$ 1,146,056	
5499	STOCKDALE STORAGE FOR RECOVERY CAPACITY	\$ 1,590,800	\$ 1,585,500	\$ 5,300	\$ -	
6023	ROSEDALE DROUGHT RELIEF PROJECT FACILITIES	\$ 9,872,500	\$ 4,004,100	\$ 3,257,780	\$ 2,610,620	
6245	WATER BANKING AGREEMENTS 16/18	\$ 440,000	\$ 220,100	\$ 219,900	\$ -	
6247	WATER BANKING PLANNING 16/17	\$ 137,500	\$ 137,500	\$ -	\$ -	
6956	PURCHASE PVID EATON PROPERTY	\$ 10,240,000	\$ 118,400	\$ 10,121,600	\$ -	
TOTAL		\$ 34,621,400	\$ 11,490,000	\$ 19,374,723	\$ 3,756,677	

**Irvine Ranch Water District
Capital Improvement Project, Fiscal Year 2016/17**

Project Group Name: 5. Baker Water Treatment Plant

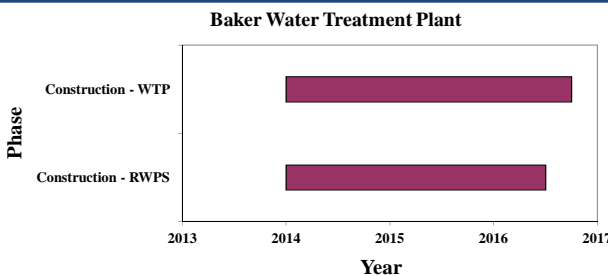
Project Description

The Baker Water Treatment Plant (Baker WTP) will treat up to 28 mgd of imported untreated water from Metropolitan Water District to drinking water standards to supply potable water to IRWD and other participating water agencies in southern Orange County. Raw water from Irvine Lake can also be supplied to the plant during emergencies or when excess local runoff water is available in the lake. The raw water conveyance system consists of the Baker Pipeline and a raw water pump station near Peters Canyon Reservoir. The new treatment plant will consist of chlorine dioxide pre-treatment (for Irvine Lake water), pressurized membrane filtration, ultraviolet disinfection, and chloramination for residual disinfection. Product water will be stored in two existing 16 MG reservoirs at the site and pumped by a new product water pump station to participating agencies via the South County Pipeline. IRWD will receive its share of treated water directly from the 16 MG reservoirs through the existing distribution system. The project is being constructed under two separate contracts - one for the water treatment plant and one for the raw water pump station.



FY 2016/17 Key Milestones:

	Date
Construction award - Raw Water Pump Station and WTP	January 6, 2014
Construction complete - RWPS	May 31, 2016
Construction complete - WTP	September 30, 2016



Project Group Budget, Source of Funds, and Offset Summary

	Developing	Replacement	Developed	Total	Comments
Total Budget	\$ 18,789,288	\$ -	\$ 78,062,712	\$ 96,852,000	
Existing Offsets	\$ (14,091,966)	\$ -	\$ (58,547,034)	\$ (72,639,000)	
Potential Future Offsets	\$ -	\$ -	\$ -	\$ -	
Net Amounts	\$ 4,697,322	\$ -	\$ 19,515,678	\$ 24,213,000	

Project Status

Construction contracts were awarded for the Baker WTP and the Raw Water Pump Station in January 2014. Completion of the raw water pump station is anticipated in May 2016 and completion of the WTP is anticipated for September 2016.

Project Group

Project No.	Project	Proj Total Dir	FY16-17 Dir	Forecasted Future Expenditure	Expended to Date	Comments
5027	BAKER WATER TREATMENT PLANT	\$ 96,852,000	\$ 10,421,500	\$ 10,455,857	\$ 75,974,643	
TOTAL		\$ 96,852,000	\$ 10,421,500	\$ 10,455,857	\$ 75,974,643	

**Irvine Ranch Water District
Capital Improvement Project, Fiscal Year 2016/17**

Project Group Name: 6. Planning Area 51 (Great Park Neighborhoods) Development

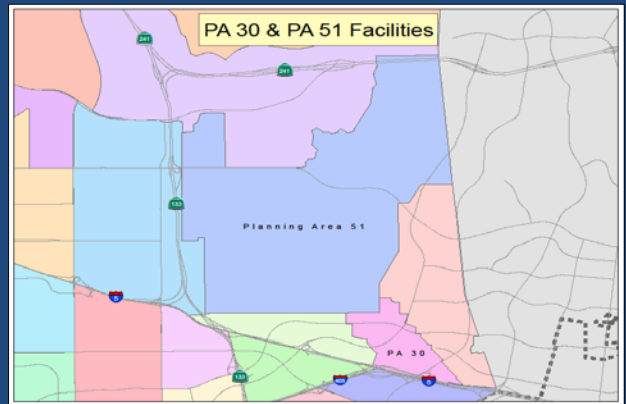
Project Description

The Fiscal Year 2016/17 development activities for Planning Areas 30 and 51 include the infrastructure required to support the Great Park Neighborhoods "District 4", "District 7" and the Technology Extension Project. The primary capital facilities planned for this year include:

"District 4" Pipelines: 12-inch and 36-inch domestic water pipelines, 12-inch and 16-inch sanitary sewer pipelines and 6-inc, 12-inch and 16-inch recycled water pipelines.

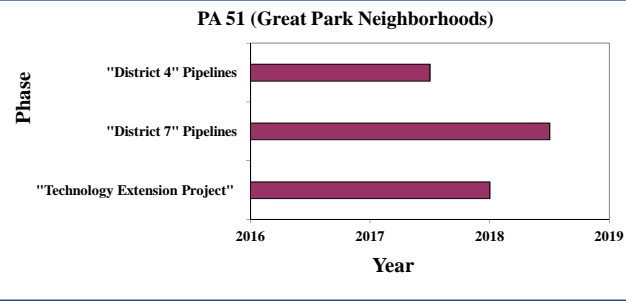
"District 7" Pipelines: 6-inch recycled water pipelines.

"Technology Extension Project" Pipelines: 24-inch recycled water pipeline.



FY 2016/17 Key Milestones:

	Date
"District 4" Pipelines	June, 2017
"District 7" Pipelines	June, 2018
"Technology Extension Project" Pipelines	January, 2018



Project Group Budget, Source of Funds, and Offset Summary

	Developing	Replacement	Developed	Total	Comments
Total Budget	\$ 35,512,200	\$ -	\$ -	\$ 35,512,200	
Existing Offsets	\$ -	\$ -	\$ -	\$ -	
Potential Future Offsets	\$ -	\$ -	\$ -	\$ -	
Net Amounts	\$ 35,512,200	\$ -	\$ -	\$ 35,512,200	

Project Status

Construction of "District 4" pipelines in backbone streets is scheduled to be complete in June 2017. Construction of "Technology Extension" and "District 7" pipelines is scheduled to be complete in January and June 2018, respectively.

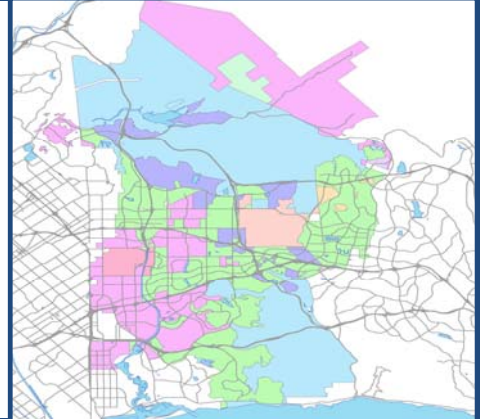
Project Group

Project No.	Project	Proj Total Dir	FY16-17 Dir	Forecasted Future Expenditure	Expended to Date	Comments
1015	TECHNOLOGY DR AND LAGUNA CANYON RD RW ZC	\$ 3,223,500	\$ 1,404,700	\$ 1,771,463	\$ 47,337	
1167	GREAT PARK COORDINATION AND SAMP UPDATE	\$ 132,000	\$ 3,500	\$ 34,105	\$ 94,395	
3977	PA51 TRABUCO RD, SR133 TO LY ST DW	\$ 156,200	\$ 2,300	\$ 32,771	\$ 121,129	
3980	PA51 TRABUCO RD, SR133 TO LY ST SEWER	\$ 161,700	\$ 2,500	\$ 25,199	\$ 134,001	
3983	PA51 TRABUCO RD, SR133 TO LY ST RW	\$ 480,700	\$ 8,500	\$ 144,967	\$ 327,233	
4147	PA51 MARINE WAY RW ZNB	\$ 541,200	\$ 27,600	\$ 510,370	\$ 3,230	
4153	PA51 MARINE WAY DW ZN3	\$ 420,200	\$ 21,500	\$ 395,244	\$ 3,456	
4261	PA51 RIDGE VALLEY, TRABUCO TO IRVINE BLVD - D	\$ 723,800	\$ 17,000	\$ 101,360	\$ 605,440	
4263	PA51 RIDGE VALLEY, TRABUCO TO IRVINE BLVD - S	\$ 436,700	\$ 10,100	\$ 75,211	\$ 351,389	
4264	PA51 RIDGE VALLEY, TRABUCO TO IRVINE BLVD - R	\$ 194,700	\$ 4,300	\$ 120,635	\$ 69,765	
4267	PA51 RIDGE VALLEY, MARINE WAY TO TRABUCO - S	\$ 1,493,800	\$ 41,500	\$ 689,817	\$ 762,483	
4268	PA51 RIDGE VALLEY, MARINE WAY TO TRABUCO - I	\$ 486,200	\$ 14,200	\$ 107,668	\$ 364,332	
4278	PA51 RIDGE VALLEY, MARINE WAY TO TRABUCO - F	\$ 464,200	\$ 14,600	\$ 299,462	\$ 150,138	
4614	PA51 REACH A SEWER IMPROVEMENTS	\$ 3,956,500	\$ 639,900	\$ 1,601,113	\$ 1,715,487	
4620	PA51 LN ST FROM C ST TO LY ST DW	\$ 172,700	\$ 4,100	\$ 33,807	\$ 134,793	
4621	PA51 LN ST FROM C ST TO LY ST RW	\$ 105,600	\$ 2,300	\$ 97,053	\$ 6,247	
4645	PA51 C ST FROM LQ ST TO O ST DW	\$ 161,700	\$ 3,600	\$ 43,956	\$ 114,145	
4646	PA51 C ST FROM LQ ST TO O ST RW	\$ 266,200	\$ 6,800	\$ 148,340	\$ 111,060	
4647	PA51 LY ST FROM TRABUCO RD TO LQ ST RW	\$ 205,700	\$ 5,600	\$ 199,819	\$ 281	
4648	PA51 LQ ST FROM O ST TO LY ST SEWER	\$ 255,200	\$ 5,800	\$ 53,050	\$ 196,350	
4649	PA51 LQ ST FROM O ST TO LY ST RW	\$ 78,100	\$ 1,900	\$ 67,517	\$ 8,683	
4650	PA51 LY ST FROM LQ ST TO IRVINE BLVD DW	\$ 51,700	\$ 800	\$ 22,990	\$ 27,910	

Project Group Name: 8. Annual Operational System Repair and Rehabilitation

Project Description

This series of projects is used for system repairs and replacements. Examples of these projects include pipeline repairs, distribution system valve replacements, and treatment plant equipment repairs.

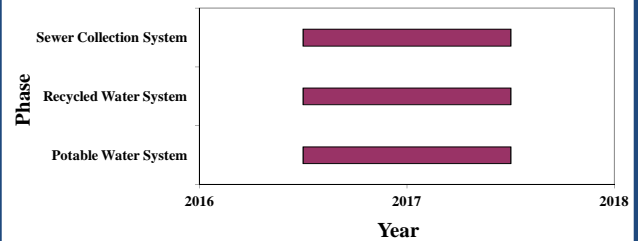


FY 2016/17 Key Milestones:

Date

FY 2016/17 Key Milestones:	Date

Annual Operational System Repair & Rehabilitation



Project Group Budget, Source of Funds, and Offset Summary

	Developing	Replacement	Developed	Total	Comments
Total Budget	\$ -	\$ 4,971,700	\$ -	\$ 4,971,700	
Existing Offsets	\$ -	\$ -	\$ -	\$ -	
Potential Future Offsets	\$ -	\$ -	\$ -	\$ -	
Net Amounts	\$ -	\$ 4,971,700	\$ -	\$ 4,971,700	

Project Status

This series of projects are ongoing and are budgeted on an annual basis.

Project Group

Project No.	Project	Proj Total Dir	FY16-17 Dir	Forecasted Future Expenditure	Expended to Date	Comments
5442	SERVICE LINE, VALVE & MAIN REPLACEMENT-DW 1	\$ 1,685,000	\$ 1,685,000	\$ -	\$ -	
5447	MECH & ELEC SYS REPLACEMENT - DW 16/17	\$ 880,000	\$ 880,000	\$ -	\$ -	
5449	MECH & ELEC SYS REPLACEMENT - SEWER 16/17	\$ 550,000	\$ 550,000	\$ -	\$ -	
5451	MECH & ELEC SYS REPLACEMENT - RW 16/17	\$ 660,000	\$ 660,000	\$ -	\$ -	
5452	SERVICE LINE, VALVE & MAIN REPLACEMENT-RW 1	\$ 515,800	\$ 515,800	\$ -	\$ -	
5457	SEWER GEN SYS MODS 16/17	\$ 330,000	\$ 330,000	\$ -	\$ -	
5471	SEWER LATERAL & MAIN REPLACEMENT 16/17	\$ 218,900	\$ 218,900	\$ -	\$ -	
5478	LAWRP SYSTEM REPLACEMENTS 16/17	\$ 132,000	\$ 132,000	\$ -	\$ -	
TOTAL		\$ 4,971,700	\$ 4,971,700	\$ -	\$ -	

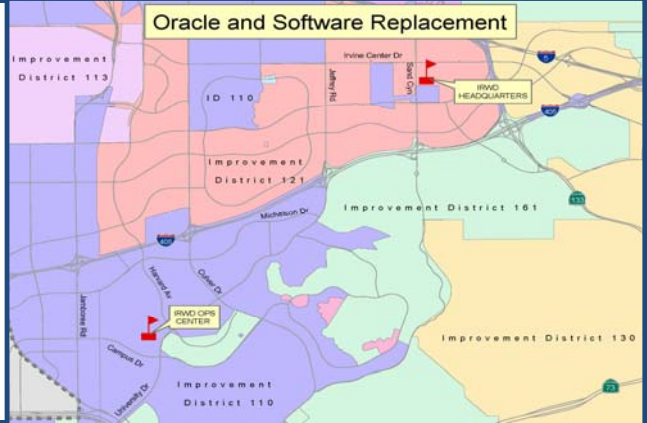
**Irvine Ranch Water District
Capital Improvement Project, Fiscal Year 2016/17**

Project Group Name: 9. Business Software

Project Description

The ID Consolidation Project Accounting implementation will focus on implementing changes to the Oracle Financial system to accommodate the recent consolidation of Improvement Districts (ID's), simplify the project accounting structure, and implement the Project Management software module.

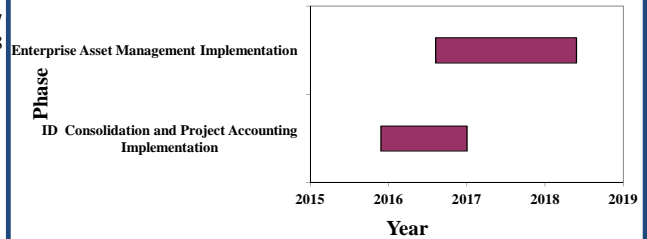
The Enterprise Asset Management software (EAMS) implementation will focus on upgrading the many systems currently used to track and maintain District assets. Activities during the next fiscal year will be focused on the pre-implementation phase and include asset management strategic planning, EAMS enterprise standards, asset data definition, asset criticality rating, data collection, business process development, staffing analysis, and performance metrics. Software selection and implementation services procurement and the start of implementation are also planned activities.



FY 2016/17 Key Milestones:

	Date
Begin ID Consolidation & Project Accounting Implementation	March, 2016
ID Consolidation Project Accounting Completion	January, 2017
Begin Enterprise Asset Management Implementation	January, 2017
Enterprise Asset Management Completion	June, 2018

Business Software



Project Group Budget, Source of Funds, and Offset Summary

	Developing	Replacement	Developed	Total	Comments
Total Budget	\$ 904,741	\$ 4,185,600	\$ 3,959,459	\$ 9,049,800	
Existing Offsets	\$ -	\$ -	\$ -	\$ -	
Potential Future Offsets	\$ -	\$ -	\$ -	\$ -	
Net Amounts	\$ 904,741	\$ 4,185,600	\$ 3,959,459	\$ 9,049,800	

Project Status

The Enterprise Asset Management software implementation is currently in the pre-implementation phase with an anticipated completion by early July 2016. Implementation is scheduled to start in January 2017 with an anticipated completion date of approximately December 2018.

The ID Consolidation and Project Accounting implementation started in March 2016 with an anticipated completion date of approximately January 2017.

Project Group

Project No.	Project	Proj Total Dir	FY16-17 Dir	Forecasted Future Expenditure	Expended to Date	Comments
3566	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENT	\$ 2,432,100	\$ 832,900	\$ 1,139,221	\$ 459,979	
3567	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENT	\$ 2,432,100	\$ 832,900	\$ 1,274,593	\$ 324,607	
4394	EBS UPGRADE ID CONSOL AND PROJECT MGMT IMP	\$ 2,092,800	\$ 1,568,600	\$ 524,200	\$ -	
4395	EBS UPGRADE ID CONSOL AND PROJECT MGMT IMP	\$ 2,092,800	\$ 1,568,600	\$ 524,200	\$ -	
TOTAL		\$ 9,049,800	\$ 4,803,000	\$ 3,462,214	\$ 784,586	

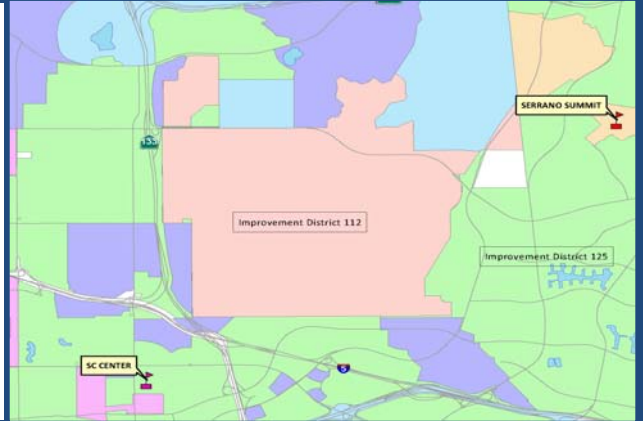
**Irvine Ranch Water District
Capital Improvement Project, Fiscal Year 2016/17**

Project Group Name: 10. Asset Optimization

Project Description

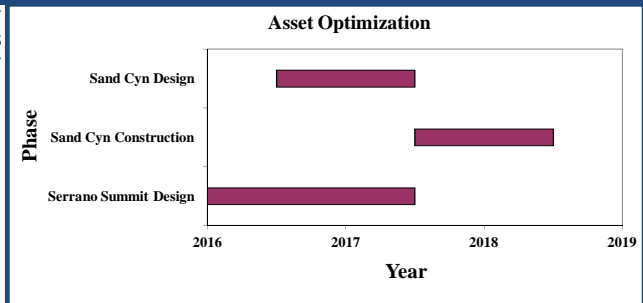
The District aims to develop the following District-owned properties:

- 1- Sand Canyon Professional Center Phase II, located north of the District's Headquarters on Sand Canyon Avenue.
- 2- Serrano Summit project design, located north of the Baker Water Treatment Plant in Lake Forest.



FY 2016/17 Key Milestones:

	Date
Sand Canyon Professional Center Phase II - Design	June, 2017
Sand Canyon Professional Center Phase II - Construction	June, 2018
Serrano Summit - Design	June, 2017



Project Group Budget, Source of Funds, and Offset Summary

	Developing	Replacement	Developed	Total	Comments
Total Budget	\$ -	\$ 24,124,300	\$ -	\$ 24,124,300	
Existing Offsets	\$ -	\$ -	\$ -	\$ -	
Potential Future Offsets	\$ -	\$ -	\$ -	\$ -	
Net Amounts	\$ -	\$ 24,124,300	\$ -	\$ 24,124,300	

Project Status

Serrano Summit: Revised tentative tract maps will be submitted to the City of Lake Forest by summer 2016. Final tract maps will be prepared and submitted in FY 16/17.

Sand Canyon Professional Center Phase II: Architectural plans will be submitted to the City in March 2016. Final plans to be completed by fall 2016.

Project Group

Project No.	Project	Proj Total Dir	FY16-17 Dir	Forecasted Future Expenditure	Expended to Date	Comments
1264	ASSET OPTIMIZATION - LAKE FOREST DEVELOPMEN	\$ 6,500,000	\$ 990,500	\$ (92,259)	\$ 5,601,759	
6210	ASSET OPTIMIZATION - SAND CANYON PROFESSION	\$ 17,624,300	\$ 3,572,600	\$ 14,044,811	\$ 6,889	
TOTAL		\$ 24,124,300	\$ 4,563,100	\$ 13,952,552	\$ 5,608,648	

IRVINE RANCH WATER DISTRICT
Fiscal Year 2016/17
Water Improvement District (ID) Allocation

Improvement District (ID) Allocation - % of Project Budget

Project No.	Project Title	Fiscal Year Direct	Total Direct	Split Description	101	110	112	113	125	153	154	185	188
5410	COASTAL ZONE 2 PRV MODIFICATION (DPR16)	\$1,900	\$187,100	Local					100.0%				
1520	GREAT PARK COORDINATION AND SAMP	\$3,500	\$132,000	Local				100.0%					
1181	LAKE FOREST DW OFFSITE IMPROVEMENTS	\$68,700	\$424,600	Local								100.0%	
5404	LAKE FOREST Z2-2RA PRV AT COMMERCENTRE	\$16,500	\$337,700	Local								100.0%	
1354	PA1 16" Z5 PIPE, 5-4 PRVS NEIGHBORHOOD 3	\$11,000	\$1,237,500	Local						100.0%			
7012	PA1 NHB3 ORCHARD HILLS 16" DW Z5	\$100,700	\$162,800	Local						100.0%			
4680	PA18S HIDDEN CANYON 12" DW	\$7,300	\$315,700	Local						100.0%			
6304	PA51 BENCHMARK, BOSQUE TO 550'E/O	\$25,700	\$49,500	Local			100.0%						
4645	PA51 C ST FROM LQ ST TO O ST DW	\$3,600	\$161,700	Local			100.0%						
4620	PA51 LN ST FROM C ST TO LY ST DW	\$4,100	\$172,700	Local			100.0%						
4650	PA51 LY ST FROM LQ ST TO IRVINE BLVD DW	\$800	\$51,700	Local			100.0%						
6208	PA51 MARINE WAY: SR133 TO RIDGE VALLEY	\$63,600	\$82,500	Local			100.0%						
4268	PA51 RIDGE VALLEY, MARINE WAY TO	\$14,200	\$486,200	Local			100.0%						
4261	PA51 RIDGE VALLEY, TRABUCO TO IRVINE	\$17,000	\$723,800	Local			100.0%						
3977	PA51 TRABUCO RD, SR133 TO LY ST DW	\$2,300	\$156,200	Local			100.0%						
4512	PA5B PHASE 1A 12" ZONE 3 DW	\$4,700	\$132,000	Local						100.0%			
5243	PA6 NEIGHBORHOOD 4B 6" RW ZONE D	\$23,100	\$526,900	Local						100.0%			
7136	SANTIAGO HILLS II DOMESTIC WATER BPS	\$275,700	\$3,165,900	Local						100.0%			
7138	SANTIAGO HILLS II DOMESTIC WATER	\$746,700	\$10,263,800	Local						100.0%			
7133	SERRANO SUMMIT DW IMPROVEMENTS	\$97,300	\$402,600	Local								100.0%	

Project No.	Project Title	Fiscal Year Direct	Total Direct	Split Description	101	110	112	113	125	153	154	185	188
1038	TUSTIN LEGACY MASTER DW FACILITIES	\$159,200	\$1,495,200	Local				100.0%					
6765	TUSTIN LEGACY MOFFETT DR (AT PETERS CYN)	\$89,900	\$116,600	Local				100.0%					
6109	TUSTIN LEGACY PARK AVE & MOFFETT DR 12"	\$232,900	\$579,700	Local				100.0%					
4366	TUSTIN LEGACY TUSTIN RANCH, BARRANCA,	\$7,100	\$343,200	Local				100.0%					
4510	TUSTIN LEGACY WARNER - LEGACY TO TUSTIN	\$4,200	\$196,900	Local				100.0%					
4988	TUSTIN LEGACY WARNER FROM ARMSTRONG	\$1,600	\$60,500	Local				100.0%					
7233	BAKER SOLAR	\$45,400	\$45,400	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
5027	BAKER WATER TREATMENT PLANT	\$10,421,500	\$96,852,000	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
5428	CAPITAL PLANNING SUPPORT 16/17 DW	\$242,000	\$242,000	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6160	CENTRALIZED CONTROL ROOM AT MWRP	\$1,800	\$170,000	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
4409	CHLORAMINE BOOSTER STATIONS AT 2 DW	\$1,658,400	\$2,877,400	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
5411	COMPRESSED NATURAL GAS MOTOR FUEL	\$23,000	\$68,800	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6165	DRWF SURGE TANKS	\$427,900	\$528,600	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
5406	EL MODENA INLET MODIFICATION	\$1,000	\$156,200	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
3566	ENTERPRISE ASSET MGMT SOFTWARE	\$832,900	\$2,432,100	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
5475	GEN SYS MODS-DW 16/17	\$190,300	\$190,300	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
7174	GENERAL PLANT REGIONAL 16/17 DW	\$432,500	\$432,500	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6200	GIS SUPPORT APPLICATIONS 16/17 - DOMESTIC	\$60,000	\$60,000	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6213	IDF SODIUM HYPOCHLORITE STORAGE AND	\$1,596,700	\$2,913,900	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
1459	IRWD PIPELINES RELOCATION FOR SC GRADE	\$10,700	\$1,958,400	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
1100	LAKE FOREST WELL 1 DRILLING	\$38,700	\$1,417,600	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
1117	LAKE FOREST WELL 1 WELLHEAD	\$31,200	\$1,035,100	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
5338	MARSH MITIGATION CREDIT INVENTORY	\$36,300	\$36,300	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%

Project No.	Project Title	Fiscal Year Direct	Total Direct	Split Description	101	110	112	113	125	153	154	185	188
7095	MEMBRANE PLANTS NEW ANTISCALANT PILOT	\$24,600	\$299,300	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6212	NTS INFILTRATION STUDY	\$32,400	\$64,900	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
1373	OCWD ANNEXATION FEE 16/17	\$580,600	\$580,600	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6214	PDF SODIUM HYPOCHLORITE STORAGE AND	\$165,300	\$2,976,900	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
7082	POTABLE REUSE ALTERNATIVES ANALYSIS DW	\$110,000	\$110,000	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6956	PURCHASE PVID EATON PROPERTY	\$118,400	\$10,240,000	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6023	ROSEDALE DROUGHT RELIEF PROJECT FACILITIES	\$4,004,100	\$9,872,500	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6168	SAN JOAQUIN MARSH IMPROVEMENTS	\$1,562,300	\$1,776,700	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
7024	SANTA ANA DELHI DIVERSION PROJECT	\$155,200	\$210,000	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
1398	SANTIAGO HILLS II DW TRANSMISSION SYSTEM	\$460,100	\$10,506,300	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
5499	STOCKDALE STORAGE FOR RECOVERY CAPACITY	\$1,585,500	\$1,590,800	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
3766	STOCKDALE WEST INTEGRATED WATER	\$5,424,400	\$12,340,600	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6215	TUSTIN LEGACY RED HILL WELL ACQUISITION	\$75,700	\$522,500	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
7140	TUSTIN LEGACY REDHILL WELL DRILLING AND	\$17,200	\$4,559,800	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
7152	WATER AND ENERGY PLANNING STUDIES DW	\$126,500	\$126,500	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6245	WATER BANKING AGREEMENTS 16/18	\$220,100	\$440,000	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6247	WATER BANKING PLANNING 16/17	\$137,500	\$137,500	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6013	WATER SUPPLY AND SYSTEM RELIABILITY	\$93,400	\$664,800	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
1402	WELLS 51/52/53 TREATMENT ALTERNATIVES	\$5,300	\$133,100	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
5431	WRMP UPDATE DW	\$44,000	\$132,000	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
6401	ZONE 1 RESERVOIR NO. 2	\$817,600	\$12,626,300	Regional		32.6%	3.3%	3.0%	47.5%	11.1%	0.4%	1.6%	0.5%
5479	1" TO 2" METER REPLACEMENT-DW 16/17	\$170,200	\$170,200	Replacement	100.0%								
1264	ASSET OPTIMIZATION - LAKE FOREST	\$990,500	\$6,500,000	Replacement	100.0%								

Project No.	Project Title	Fiscal Year Direct	Total Direct	Split Description	101	110	112	113	125	153	154	185	188
6210	ASSET OPTIMIZATION - SAND CANYON	\$3,572,600	\$17,624,300	Replacement	100.0%								
5472	CSR METER REPLACEMENT-DW 16/17	\$213,200	\$213,200	Replacement	100.0%								
4401	DRWF WELL 18 REHAB	\$768,900	\$770,000	Replacement	100.0%								
7093	DRWF WELL 7 REHAB	\$1,100	\$770,000	Replacement	100.0%								
5519	EAST IRVINE ZONE 1 TO 3 BPS PIPE/METER	\$64,900	\$600,100	Replacement	100.0%								
4394	EBS UPGRADE ID CONSOL AND PROJECT MGMT	\$1,568,600	\$2,092,800	Replacement	100.0%								
7177	GENERAL PLANT REPLACEMENT 16/17 DW	\$2,087,600	\$2,087,600	Replacement	100.0%								
7179	GENERAL PLANT REPLACEMENT 16/17 RW	\$1,548,200	\$1,548,200	Replacement	100.0%								
1336	HQ OFFICE IMPROVEMENTS	\$46,500	\$277,300	Replacement	100.0%								
5447	MECH & ELEC SYS REPLACEMENT - DW 16/17	\$880,000	\$880,000	Replacement	100.0%								
7117	OPS CENTER ROOF REPLACEMENT	\$166,000	\$166,000	Replacement	100.0%								
5298	RAISE DW SYSTEM VALVES 16/17 UNDER RA	\$577,500	\$577,500	Replacement	100.0%								
7084	REPLACEMENT PLANNING DW	\$49,900	\$440,000	Replacement	100.0%								
5454	RESIDENTIAL METER REPLACEMENT-DW 16/17	\$267,300	\$267,300	Replacement	100.0%								
1414	SAND CANYON 16" DW PIPELINE ANODE	\$1,600	\$243,100	Replacement	100.0%								
5442	SERVICE LINE, VALVE & MAIN REPLACEMENT-	\$1,685,000	\$1,685,000	Replacement	100.0%								
6121	VAULT LID REPLACEMENT - DW	\$3,300	\$397,700	Replacement	100.0%								
5504	WELL MAINTENANCE AND REHABILITATION	\$220,000	\$220,000	Replacement	100.0%								
5473	WELLS 11 AND 15 SURGE TANK REPLACEMENT	\$724,400	\$1,213,300	Replacement	100.0%								
5453	WELLS 12 AND 13 ROOF HATCHES	\$223,900	\$357,000	Replacement	100.0%								
6849	IBC SIDEWALK IMP & APPURTENANCE	\$284,900	\$442,900	Sub-Regional	60.0%					40.0%			
5756	PA51 "B" ST FROM SOCIABLE TO IRVINE BLV 12"	\$29,800	\$243,100	Sub-Regional			98.2%			1.8%			
5816	PA51 ALTON, TECHNOLOGY TO MUIRLANDS 12"	\$52,100	\$177,100	Sub-Regional			20.9%			79.1%			

Project No.	Project Title	Fiscal Year Direct	Total Direct	Split Description	101	110	112	113	125	153	154	185	188
6683	PA51 GP BENCHMARK AND MODJEKSA	\$88,800	\$150,700	Sub-Regional			98.2%			1.8%			
6552	PA51 GP BENCHMARK AND PERSPECTIVE 12"	\$76,500	\$147,400	Sub-Regional			98.2%			1.8%			
6534	PA51 GP PUSAN (EPISODE TO IRVINE BLVD) 12"	\$22,300	\$44,000	Sub-Regional			98.2%			1.8%			
6512	PA51 GP-1 ST (MARINE TO GP-2 ST) 12" DW	\$224,200	\$355,300	Sub-Regional			20.9%			79.1%			
6536	PA51 GP-2 ST (BOSQUE TO GP1 ST) 12" DW	\$323,200	\$531,300	Sub-Regional			20.9%			79.1%			
6016	PA51 IRVINE BLVD, LAMBERT TO Z ST 12" DW	\$102,400	\$156,200	Sub-Regional			98.2%			1.8%			
4153	PA51 MARINE WAY DW ZN3	\$21,500	\$420,200	Sub-Regional			20.9%			79.1%			
6086	PA51 MARINE WAY FROM ALTON TO	\$11,200	\$238,700	Sub-Regional			20.9%			79.1%			
7170	UNIVERSITY DR WIDENING APPURTENANCE	\$131,400	\$148,000	Sub-Regional	75.0%	25.0%							
	Total	\$50,993,300	\$245,448,200		\$16.1	\$10.4	\$1.6	\$1.5	\$15.1	\$5.3	\$0.1	\$0.7	\$0.2

IRVINE RANCH WATER DISTRICT
Fiscal Year 2016/17
Sewer Improvement District (ID) Allocation

Improvement District (ID) Allocation - % of Project Budget

Project No.	Project Title	Fiscal Year Direct	Total Direct	Split Description	201	210	212	213	225	240	253	256	285	288
1167	GREAT PARK COORDINATION AND SAMP UPDATE	\$3,500	\$132,000	Local			100.0							
7094	LAKE FOREST ZN A RESERVOIR DEMOLITION	\$160,600	\$160,600	Local									100.0	
6400	NEWPORT COAST SLS IMPROVEMENTS	\$1,523,400	\$2,059,200	Local						100.0				
6915	PA 6 NBHD 5A 6" AND 8" RECYCLED WATER MAIN	\$235,100	\$402,600	Local							100.0			
7017	PA1 NHB3 ORCHARD HILLS 6"8" RW ZC+	\$150,100	\$203,500	Local							100.0			
7013	PA1 NHB3 ORCHARD HILLS 6"8"10"12" RW ZC	\$271,900	\$367,400	Local							100.0			
4990	PA1 ORCHARD HILLS NEIGHBORHOOD 2, 6" ZNC RW	\$2,900	\$84,700	Local							100.0			
1716	PA1 ORCHARD HILLS NEIGHBORHOOD 3	\$34,100	\$326,700	Local							100.0			
1722	PA1 ORCHARD HILLS NEIGHBORHOOD 4	\$74,200	\$566,500	Local							100.0			
4717	PA1 ORCHARD HILLS NH 2 - 6" ZNB & 6" ZNC RW	\$5,600	\$238,700	Local							100.0			
5919	PA1 ORCHARD HILLS, NEIGHBORHOOD 1, 16" ZC 6" ZC+	\$259,300	\$521,400	Local							100.0			
4681	PA18S HIDDEN CANYON 6" & 8" RW	\$7,300	\$315,700	Local							100.0			
3735	PA39 PH2 RW FACILITIES	\$88,600	\$226,600	Local							100.0			
1056	PA39 PHASE 1 RW PIPELINES	\$200	\$180,400	Local							100.0			
6056	PA40 8TH ST RIDGE VALLEY TO C ST CAPITAL 6" RW	\$18,700	\$283,800	Local							100.0			
4528	PA40 NEIGHBORHOOD 2G BACKBONE RW FACILITIES	\$200	\$108,900	Local							100.0			
4318	PA40 PH3B RW CAPITAL FACILITIES	\$200	\$165,000	Local							100.0			
5788	PA51 ALTON PKWY SS RELOCATION 12" AND 18"	\$222,300	\$1,832,300	Local			100.0							
5817	PA51 ALTON, TECHNOLOGY TO MUIRLANDS SS	\$412,000	\$1,326,300	Local			100.0							
6306	PA51 BENCHMARK, BOSQUE TO 550'E/O BOSQUE 6"	\$25,700	\$49,500	Local			100.0							
4646	PA51 C ST FROM LQ ST TO O ST RW	\$6,800	\$266,200	Local			100.0							
5016	PA51 C ST FROM LV ST TO TRABUCO SEWER	\$9,000	\$370,700	Local			100.0							

Project No.	Project Title	Fiscal Year Direct	Total Direct	Split Description	201	210	212	213	225	240	253	256	285	288
4653	PA51 C ST FROM TRABUCO RD TO LQ ST SEWER	\$9,100	\$403,700	Local			100.0							
6553	PA51 GP BENCHMARK AND PERSPECTIVE 16" SS	\$126,700	\$244,200	Local			100.0							
6331	PA51 GP CULTIVATE (BOSQUE TO 500 E/O BOSQUE)	\$7,900	\$220,000	Local			100.0							
6513	PA51 GP-1 ST (MARINE TO GP-2 ST) 12" SS	\$595,300	\$938,300	Local			100.0							
6537	PA51 GP-2 ST (BOSQUE TO GP1 ST) 12" SS	\$199,500	\$333,300	Local			100.0							
4621	PA51 LN ST FROM C ST TO LY ST RW	\$2,300	\$105,600	Local			100.0							
5535	PA51 LQ ST FROM BOSQUE TO Z ST 12" SEWER	\$653,400	\$1,510,300	Local			100.0							
4649	PA51 LQ ST FROM O ST TO LY ST RW	\$1,900	\$78,100	Local			100.0							
4648	PA51 LQ ST FROM O ST TO LY ST SEWER	\$5,800	\$255,200	Local			100.0							
4825	PA51 LV ST FROM RIDGE VALLEY TO LY ST 12" RW	\$8,100	\$321,200	Local			100.0							
4824	PA51 LV ST FROM RIDGE VALLEY TO LY ST 18" SEWER	\$7,700	\$310,200	Local			100.0							
4652	PA51 LY ST FROM LQ ST TO IRVINE BLVD RW	\$27,800	\$938,300	Local			100.0							
4651	PA51 LY ST FROM LQ ST TO IRVINE BLVD SEWER	\$55,900	\$1,662,200	Local			100.0							
4647	PA51 LY ST FROM TRABUCO RD TO LQ ST RW	\$5,600	\$205,700	Local			100.0							
6048	PA51 MARINE WAY, ALTON TO BARRANCA 18" SS	\$59,200	\$1,424,500	Local			100.0							
6476	PA51 MARINE WAY. RIDGE VALLEY TO 3000' EAST	\$181,100	\$426,800	Local							100.0			
6209	PA51 MARINE WAY: SR133 TO RIDGE VALLEY 6" ZONE	\$40,300	\$53,900	Local			100.0							
4278	PA51 RIDGE VALLEY, MARINE WAY TO TRABUCO - RW	\$14,600	\$464,200	Local			100.0							
4267	PA51 RIDGE VALLEY, MARINE WAY TO TRABUCO -	\$41,500	\$1,493,800	Local			100.0							
4264	PA51 RIDGE VALLEY, TRABUCO TO IRVINE BLVD - RW	\$4,300	\$194,700	Local			100.0							
4263	PA51 RIDGE VALLEY, TRABUCO TO IRVINE BLVD - SS	\$10,100	\$436,700	Local			100.0							
3983	PA51 TRABUCO RD, SR133 TO LY ST RW	\$8,500	\$480,700	Local			100.0							
3980	PA51 TRABUCO RD, SR133 TO LY ST SEWER	\$2,500	\$161,700	Local			100.0							
4515	PA5B IRVINE BLVD 8" ZONE B RW	\$5,200	\$100,100	Local							100.0			
4513	PA5B PHASE 1A AND 1B 6" & 8" RW	\$14,300	\$298,200	Local							100.0			
4753	PA5B PHASE 2 6" RW	\$2,600	\$57,200	Local							100.0			

Project No.	Project Title	Fiscal Year Direct	Total Direct	Split Description	201	210	212	213	225	240	253	256	285	288
5763	PA6 NEIGHBORHOOD 5A RW ZONE D	\$6,600	\$132,000	Local							100.0			
4557	PA6 PHASE 1 NEIGHBORHOOD 3 ZONE C RW	\$11,900	\$315,700	Local							100.0			
1308	PA6 RW PIPELINES	\$486,100	\$620,500	Local							100.0			
1762	PA9B PHASE 5 GATEWAY PARK RW PIPES	\$7,600	\$506,100	Local							100.0			
6470	RANCHO PARKWAY ZONE C RECYCLED WATER PIPELINE	\$144,600	\$997,800	Local									100.0	
7139	SANTIAGO HILLS II RECYCLED WATER BPS	\$275,700	\$3,165,900	Local							100.0			
7134	SERRANO SUMMIT RW IMPROVEMENTS	\$68,900	\$402,600	Local									100.0	
7135	SERRANO SUMMIT SEWER IMPROVEMENTS	\$62,600	\$325,600	Local									100.0	
1101	TUSTIN LEGACY MASTER RW FACILITIES	\$157,000	\$1,544,900	Local				100.0						
1062	TUSTIN LEGACY MASTER SEWER FACILITIES	\$120,000	\$1,115,400	Local				100.0						
6766	TUSTIN LEGACY MOFFETT DR (AT PETERS CYN) 16" RW	\$176,200	\$226,600	Local				100.0						
6110	TUSTIN LEGACY PARK AVE & MOFFETT DR 16" & 15" SS	\$330,800	\$387,200	Local				100.0						
6111	TUSTIN LEGACY PARK AVE & MOFFETT DR 16" & 6" RW	\$227,800	\$568,700	Local				100.0						
6010	TUSTIN LEGACY PARK AVE FROM JAMBOREE TO	\$18,400	\$64,900	Local				100.0						
4368	TUSTIN LEGACY TUSTIN RANCH, BARRANCA,	\$15,400	\$689,700	Local				100.0						
4511	TUSTIN LEGACY WARNER - LEGACY TO TUSTIN RANCH	\$4,500	\$207,900	Local				100.0						
4989	TUSTIN LEGACY WARNER FROM ARMSTRONG TO	\$7,700	\$282,700	Local				100.0						
6479	400/450 SPECTRUM CENTER DR 36" SS RELOCATION	\$350,000	\$596,200	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
5429	CAPITAL PLANNING SUPPORT 16/17 RW	\$242,000	\$242,000	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
5430	CAPITAL PLANNING SUPPORT 16/17 SEWER	\$242,000	\$242,000	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
6161	CENTRALIZED CONTROL ROOM AT MWRP	\$1,800	\$170,000	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
3567	ENTERPRISE ASSET MGMT SOFTWARE	\$832,900	\$2,432,100	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
5480	GEN SYS MODS-RW 16/17	\$101,800	\$101,800	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
7176	GENERAL PLANT REGIONAL 16/17 RW	\$285,300	\$285,300	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
7175	GENERAL PLANT REGIONAL 16/17 SEWER	\$292,200	\$292,200	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
6203	GIS SUPPORT APPLICATIONS 16/17 - RECYCLED	\$60,000	\$60,000	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	

Project No.	Project Title	Fiscal Year Direct	Total Direct	Split Description	201	210	212	213	225	240	253	256	285	288
6204	GIS SUPPORT APPLICATIONS 16/17 - SEWER	\$60,000	\$60,000	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
1152	IRWD PIPELINES RELOCATION FOR SC GRADE	\$5,600	\$1,078,000	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
4397	LAWRP SYSTEM UPGRADES	\$5,800	\$1,418,700	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
7096	METER AND VAULT FOR OSO RESERVOIR	\$2,500	\$375,100	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
4286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES	\$45,574,200	\$196,465,500	Regional	45.5	18.9	1.5	1.5	27.7		4.1	0.1	0.6	0.1
7158	NON-POTABLE WATER STUDIES 16/17	\$60,000	\$60,000	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
7156	NTS INSTRUMENTATION	\$165,300	\$330,000	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
1516	OCS D EQUITY 15/16	\$2,293,000	\$6,854,000	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
1530	OCS D EQUITY 16/17	\$7,907,100	\$11,893,000	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
7070	OCS D SJHPC/ GRS	\$798,700	\$1,000,000	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
1429	OCS D SOLIDS HANDLING 16/17	\$1,391,000	\$1,391,000	Regional	45.5	18.9	1.5	1.5	27.7		4.1	0.1	0.6	0.1
7137	OPA ZONE C+ PIPELINES	\$933,500	\$1,550,900	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
6167	OPS CENTER PERMANENT GENERATOR	\$535,000	\$618,800	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
5168	PA18S HIDDEN CANYON 36" RW PIPELINE	\$58,700	\$2,208,200	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
4514	PA5B PHASE 1A AND 1B 36" RW	\$80,000	\$1,769,400	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
4985	PETERS CANYON WATER CAPTURE AND REUSE	\$424,500	\$10,959,800	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
7083	POTABLE REUSE ALTERNATIVES ANALYSIS SEWER	\$110,000	\$110,000	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
6243	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 16/17	\$819,500	\$819,500	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
3779	SALT MANAGEMENT PLAN DEVELOPMENT	\$13,500	\$472,300	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
1813	SANTIAGO DAM & OUTLET TWR SEISMIC STABILITY	\$229,300	\$568,700	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
5412	SCSMP UPDATE AND LONG-TERM FLOW MONITORING	\$129,200	\$1,155,000	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
5186	SJM SLS UPGRADE	\$1,200	\$181,000	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
5154	SJR SEISMIC EVALUATION (DSOD)	\$700	\$150,700	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
3808	SYPHON RESERVOIR EXPANSION	\$82,000	\$60,169,200	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
5427	WATER RECYCLING TREATMENT PLANT MASTER PLAN	\$613,700	\$921,300	Regional		33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
7141	WATER RECYCLING TREATMENT PLANT MASTER PLAN	\$302,600	\$454,300	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	

Project No.	Project Title	Fiscal Year Direct	Total Direct	Split Description	201	210	212	213	225	240	253	256	285	288
5432	WRMP UPDATE RW	\$44,000	\$132,000	Regional		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
5483	1" TO 2" METER REPLACEMENT-RW 16/17	\$117,000	\$117,000	Replacement	100.0									
7086	CALIFORNIA AVE RW PIPELINE, ACADEMY TO THEORY	\$13,000	\$732,000	Replacement	100.0									
5481	CSR METER REPLACEMENT-RW 16/17	\$112,200	\$112,200	Replacement	100.0									
4395	EBS UPGRADE ID CONSOL AND PROJECT MGMT	\$1,568,600	\$2,092,800	Replacement	100.0									
7009	FPS2 PIPELINE MANIFOLD REPLACEMENT	\$166,100	\$844,800	Replacement	100.0									
7180	GENERAL PLANT - CONSERVATION	\$80,000	\$80,000	Replacement	100.0									
7178	GENERAL PLANT REPLACEMENT 16/17 SEWER	\$853,900	\$853,900	Replacement	100.0									
1549	HQ OFFICE IMPROVEMENTS	\$41,200	\$245,900	Replacement	100.0									
1257	HQ OFFICE IMPROVEMENTS	\$13,700	\$81,400	Replacement	100.0									
5156	LAGUNA CANYON RD RW PIPELINE CORROSION	\$2,000	\$588,500	Replacement	100.0									
5478	LAWRP SYSTEM REPLACEMENTS 16/17	\$132,000	\$132,000	Replacement	100.0									
5174	MAIN ST DIVERSION STRUCTURE GROUND SETTLING	\$95,700	\$191,400	Replacement	100.0									
5520	MAINTENANCE ACCESS FOR FOUR SEWER REACHES	\$1,400	\$368,000	Replacement	100.0									
5451	MECH & ELEC SYS REPLACEMENT - RW 16/17	\$660,000	\$660,000	Replacement	100.0									
5449	MECH & ELEC SYS REPLACEMENT - SEWER 16/17	\$550,000	\$550,000	Replacement	100.0									
7097	MICHELSON DI SFM RELINING	\$4,000	\$1,367,300	Replacement	100.0									
5469	MWRP FPS 2 ROOF REPLACEMENT	\$343,800	\$497,900	Replacement	100.0									
4467	MWRP REPAIRS: ACT SLUDGE, 2DARY TANKS, RAS/WAS	\$181,700	\$3,181,600	Replacement	100.0									
5455	MWRP SYS REPLACEMENTS 16/17	\$442,200	\$442,200	Replacement	100.0									
5470	NEWPORT COAST SLS AND FM RECOATING (REHAB)	\$1,033,300	\$1,432,200	Replacement	100.0									
7118	OPS CENTER ROOF REPLACEMENT	\$166,000	\$166,000	Replacement	100.0									
7119	OPS CENTER ROOF REPLACEMENT	\$166,000	\$166,000	Replacement	100.0									
5302	RAISE MANHOLES TO GRADE 16/17 UNDER RA	\$346,500	\$346,500	Replacement	100.0									
5305	RAISE RW SYSTEM VALVES 16/17 UNDER RA	\$138,600	\$138,600	Replacement	100.0									
5476	RATTLESNAKE ZONE A BPS REBUILD	\$5,300	\$3,937,700	Replacement	100.0									

Project No.	Project Title	Fiscal Year Direct	Total Direct	Split Description	201	210	212	213	225	240	253	256	285	288
7098	REBUILD SMH ON MAIN ST E/O MACARTHUR	\$500	\$178,200	Replacement	100.0									
7085	REPLACEMENT PLANNING RW	\$49,900	\$440,000	Replacement	100.0									
3780	SAN JOAQUIN RESERVOIR LINER REPLACEMENT	\$8,900	\$2,807,900	Replacement	100.0									
7099	SEA WATCH RW MAIN REPLACEMENT (S/O PACIFIC	\$2,100	\$720,500	Replacement	100.0									
5452	SERVICE LINE, VALVE & MAIN REPLACEMENT-RW	\$515,800	\$515,800	Replacement	100.0									
5457	SEWER GEN SYS MODS 16/17	\$330,000	\$330,000	Replacement	100.0									
5471	SEWER LATERAL & MAIN REPLACEMENT 16/17	\$218,900	\$218,900	Replacement	100.0									
7100	SEWER LINE REPAIRS	\$500	\$156,200	Replacement	100.0									
3750	SOCWA ETM PROTECTION - TRAIL BRIDGE CROSSING	\$5,500	\$951,500	Replacement	100.0									
7103	UCI CT RW CONVERSION ONSITE PIPELINES	\$79,800	\$1,050,000	Replacement	100.0									
7112	VACTOR ACCESS TO SMH ON SO IRVINE INTERCEPTOR	\$1,400	\$347,600	Replacement	100.0									
6123	VAULT LID REPLACEMENT - RW	\$1,600	\$195,300	Replacement	100.0									
6122	VAULT LID REPLACEMENT - SEWER	\$3,300	\$96,300	Replacement	100.0									
6850	IBC SIDEWALK IMP & APPURTENANCE RELOCATIONS	\$31,500	\$49,700	Sub-Regional	60.0						40.0			
6198	IIC ZONE B BPS UPGRADES	\$244,800	\$734,600	Sub-Regional			54.2		23.1		22.7			
5823	ILP NORTH CONVERSION - PIPELINES	\$6,618,000	\$10,991,100	Sub-Regional	2.1		2.5	1.0	46.3	1.8	46.0		0.3	
5407	ILP NORTH CONVERSION - RESERVOIR	\$7,044,100	\$14,382,500	Sub-Regional	0.3		40.1	0.1	16.8	0.3	42.3		0.1	
4457	MULTI-ZONE BPS - ZONE A-B	\$483,200	\$3,005,200	Sub-Regional	13.7		48.2				38.1			
4400	MULTI-ZONE BPS - ZONE A-C	\$477,100	\$2,795,200	Sub-Regional			56.0				44.0			
6216	NORTHWOOD ZONE B BPS DEMOLITION	\$5,500	\$539,000	Sub-Regional			54.2		23.1		22.7			
1554	OCSD CORF 15/16	\$1,202,900	\$5,988,000	Sub-Regional	72.7	9.0	0.9	0.9	13.2		2.6	0.1	0.4	0.1
1561	OCSD CORF 16/17	\$4,611,700	\$5,774,000	Sub-Regional	72.7	9.0	0.9	0.9	13.2		2.6	0.1	0.4	0.1
3734	PA40 TRAVELAND RW FACILITIES	\$4,800	\$447,700	Sub-Regional			21.0				79.0			
5757	PA51 "B" ST FROM SOCIABLE TO IRVINE BLV 16" ZN C	\$29,500	\$240,900	Sub-Regional			87.4				12.6			
5818	PA51 ALTON, TECHNOLOGY TO MUIRLANDS 16" RW	\$105,500	\$344,300	Sub-Regional			87.4				12.6			
5758	PA51 CADENCE - PUSAN TO CHINON 12" & 16"	\$72,400	\$271,700	Sub-Regional			87.4				12.6			

Project No.	Project Title	Fiscal Year Direct	Total Direct	Split Description	201	210	212	213	225	240	253	256	285	288
6684	PA51 GP BENCHMARK AND MODJESKA (DISTRICT 4)	\$565,000	\$971,300	Sub-Regional			99.6				0.4			
6554	PA51 GP BENCHMARK AND PERSPECTIVE 6" RW ZC	\$67,500	\$129,800	Sub-Regional			99.6				0.4			
6823	PA51 GP EPISODE (FROM FRAME TO PUSAN) 16" RW	\$209,700	\$323,400	Sub-Regional			99.6				0.4			
6514	PA51 GP GP-1 ST (MARINE TO GP-2 ST) 10" RW	\$335,500	\$536,800	Sub-Regional			87.4				12.6			
6747	PA51 GP IRVINE BLVD (AT MERIT) 6" RW ZC	\$18,100	\$34,100	Sub-Regional			99.6				0.4			
6732	PA51 GP MAGNET (FROM RIDGE V. TO BOSQUE) 6"	\$95,200	\$206,800	Sub-Regional			87.4				12.6			
6535	PA51 GP PUSAN (EPISODE TO IRVINE BLVD) 12" RW ZC	\$55,300	\$106,700	Sub-Regional			99.6				0.4			
6595	PA51 GP TERRAPIN (TRABUCO TO CADENCE) 6" RW ZB	\$82,100	\$180,400	Sub-Regional			99.6				0.4			
6538	PA51 GP-2 ST (BOSQUE TO GP1 ST) 10" RW	\$661,900	\$1,049,400	Sub-Regional			87.4				12.6			
7022	PA51 GREAT PARK GP-2 (FROM GP-3 TO BOSQUE)	\$132,800	\$180,400	Sub-Regional			99.6				0.4			
6017	PA51 IRVINE BLVD, LAMBERT TO Z ST 16" SS	\$74,700	\$115,500	Sub-Regional			22.9				77.1			
6018	PA51 IRVINE BLVD, LAMBERT TO Z ST 20" RW	\$966,500	\$1,412,400	Sub-Regional			99.6				0.4			
5536	PA51 LQ ST FROM BOSQUE TO Z ST 12" RW	\$117,600	\$416,900	Sub-Regional			87.4				12.6			
4147	PA51 MARINE WAY RW ZNB	\$27,600	\$541,200	Sub-Regional			87.4				12.6			
6087	PA51 MARINE WAY, ALTON TO BARRANCA 16" RW ZN	\$13,400	\$281,600	Sub-Regional			87.4				12.6			
4614	PA51 REACH A SEWER IMPROVEMENTS	\$639,900	\$3,956,500	Sub-Regional			67.0				33.0			
1015	TECHNOLOGY DR AND LAGUNA CANYON RD RW ZONE	\$1,404,700	\$3,223,500	Sub-Regional			21.0				79.0			
7101	UCI CT RW CONV ACADEMY WAY	\$951,500	\$951,500	Sub-Regional	60.0	40.0								
7102	UCI CT RW CONV CALIFORNIA, UNIV TO ACADEMY	\$346,500	\$346,500	Sub-Regional	60.0	40.0								
7171	UNIVERSITY DR WIDENING APPURTENANCE	\$131,400	\$148,000	Sub-Regional	75.0	25.0								
7172	UNIVERSITY DR WIDENING APPURTENANCE	\$131,400	\$148,000	Sub-Regional	75.0	25.0								
	Total	\$109,185,000	\$430,608,400		\$35.3	\$15.3	\$11.9	\$2.5	\$26.9	\$1.9	\$14.1	\$0.1	\$1.0	\$0.1

IRVINE RANCH WATER DISTRICT
Fiscal Year 2016/2017
Allocation of FY Project Expenditures by Improvement District

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
101 - Rep					
	5479	1" TO 2" METER REPLACEMENT-DW 16/17	100.0%	\$170,200	\$195,000
	1264	ASSET OPTIMIZATION - LAKE FOREST DEVELOPMENT	100.0%	\$990,500	\$990,500
	6210	ASSET OPTIMIZATION - SAND CANYON PROFESSIONAL CTR	100.0%	\$3,572,600	\$3,602,400
	5472	CSR METER REPLACEMENT-DW 16/17	100.0%	\$213,200	\$222,500
	4401	DRWF WELL 18 REHAB	100.0%	\$768,900	\$841,100
	7093	DRWF WELL 7 REHAB	100.0%	\$1,100	\$2,900
	5519	EAST IRVINE ZONE 1 TO 3 BPS PIPE/METER	100.0%	\$64,900	\$70,500
	4394	EBS UPGRADE ID CONSOL AND PROJECT MGMT IMPLEMENT	100.0%	\$1,568,600	\$2,025,500
	7177	GENERAL PLANT REPLACEMENT 16/17 DW	100.0%	\$2,087,600	\$2,087,600
	7179	GENERAL PLANT REPLACEMENT 16/17 RW	100.0%	\$1,548,200	\$1,548,200
	1336	HQ OFFICE IMPROVEMENTS	100.0%	\$46,500	\$64,300
	6849	IBC SIDEWALK IMP & APPURTENANCE RELOCATIONS	60.0%	\$170,940	\$186,060
	5447	MECH & ELEC SYS REPLACEMENT - DW 16/17	100.0%	\$880,000	\$880,000
	7117	OPS CENTER ROOF REPLACEMENT	100.0%	\$166,000	\$272,500
	5298	RAISE DW SYSTEM VALVES 16/17 UNDER RA	100.0%	\$577,500	\$623,800
	7084	REPLACEMENT PLANNING DW	100.0%	\$49,900	\$133,800
	5454	RESIDENTIAL METER REPLACEMENT-DW 16/17	100.0%	\$267,300	\$291,400
	1414	SAND CANYON 16" DW PIPELINE ANODE REPLACEMENT	100.0%	\$1,600	\$4,200
	5442	SERVICE LINE, VALVE & MAIN REPLACEMENT-DW 16/17	100.0%	\$1,685,000	\$1,703,500
	7170	UNIVERSITY DR WIDENING APPURTENANCE RELOCATION	75.0%	\$98,550	\$116,550
	6121	VAULT LID REPLACEMENT - DW	100.0%	\$3,300	\$8,500

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
101 - Rep					
	5504	WELL MAINTENANCE AND REHABILITATION 16/17	100.0%	\$220,000	\$220,000
	5473	WELLS 11 AND 15 SURGE TANK REPLACEMENT	100.0%	\$724,400	\$731,000
	5453	WELLS 12 AND 13 ROOF HATCHES REPLACEMENT	100.0%	\$223,900	\$243,200
				\$16,100,690	\$17,065,010
110					
	7233	BAKER SOLAR	32.6%	\$14,800	\$17,832
	5027	BAKER WATER TREATMENT PLANT	32.6%	\$3,397,409	\$3,576,546
	5428	CAPITAL PLANNING SUPPORT 16/17 DW	32.6%	\$78,892	\$139,202
	6160	CENTRALIZED CONTROL ROOM AT MWRP	32.6%	\$587	\$1,434
	4409	CHLORAMINE BOOSTER STATIONS AT 2 DW RESERVOIRS	32.6%	\$540,638	\$577,216
	5411	COMPRESSED NATURAL GAS MOTOR FUEL	32.6%	\$7,498	\$7,889
	6165	DRWF SURGE TANKS	32.6%	\$139,495	\$147,026
	5406	EL MODENA INLET MODIFICATION	32.6%	\$326	\$750
	3566	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	32.6%	\$271,525	\$339,757
	5475	GEN SYS MODS-DW 16/17	32.6%	\$62,038	\$75,339
	7174	GENERAL PLANT REGIONAL 16/17 DW	32.6%	\$140,995	\$140,995
	6200	GIS SUPPORT APPLICATIONS 16/17 - DOMESTIC	32.6%	\$19,560	\$30,709
	6213	IDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	32.6%	\$520,524	\$553,581
	1459	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	32.6%	\$3,488	\$3,488
	1100	LAKE FOREST WELL 1 DRILLING	32.6%	\$12,616	\$15,615
	1117	LAKE FOREST WELL 1 WELLHEAD	32.6%	\$10,171	\$13,170
	5338	MARSH MITIGATION CREDIT INVENTORY	32.6%	\$11,834	\$14,866
	7095	MEMBRANE PLANTS NEW ANTISCALANT PILOT TESTING	32.6%	\$8,020	\$10,041
	6212	NTS INFILTRATION STUDY	32.6%	\$10,562	\$12,649
	1373	OCWD ANNEXATION FEE 16/17	32.6%	\$189,276	\$189,276

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
110					
	6214	PDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	32.6%	\$53,888	\$70,351
	7082	POTABLE REUSE ALTERNATIVES ANALYSIS DW	32.6%	\$35,860	\$44,923
	6956	PURCHASE PVID EATON PROPERTY	32.6%	\$38,598	\$38,598
	6023	ROSEDALE DROUGHT RELIEF PROJECT FACILITIES	32.6%	\$1,305,337	\$1,375,068
	6168	SAN JOAQUIN MARSH IMPROVEMENTS	32.6%	\$509,310	\$544,453
	7024	SANTA ANA DELHI DIVERSION PROJECT	32.6%	\$50,595	\$55,061
	1398	SANTIAGO HILLS II DW TRANSMISSION SYSTEM	32.6%	\$149,993	\$230,384
	5499	STOCKDALE STORAGE FOR RECOVERY CAPACITY	32.6%	\$516,873	\$519,872
	3766	STOCKDALE WEST INTEGRATED WATER BANKING PROJECT	32.6%	\$1,768,354	\$1,798,477
	6215	TUSTIN LEGACY RED HILL WELL ACQUISITION	32.6%	\$24,678	\$24,678
	7140	TUSTIN LEGACY REDHILL WELL DRILLING AND EQUIPPING	32.6%	\$5,607	\$7,107
	7170	UNIVERSITY DR WIDENING APPURTENANCE RELOCATION	25.0%	\$32,850	\$38,850
	7152	WATER AND ENERGY PLANNING STUDIES DW 16/17	32.6%	\$41,239	\$56,333
	6245	WATER BANKING AGREEMENTS 16/18	32.6%	\$71,753	\$101,908
	6247	WATER BANKING PLANNING 16/17	32.6%	\$44,825	\$74,980
	6013	WATER SUPPLY AND SYSTEM RELIABILITY MODEL	32.6%	\$30,448	\$34,947
	1402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY	32.6%	\$1,728	\$2,184
	5431	WRMP UPDATE DW	32.6%	\$14,344	\$26,406
	6401	ZONE 1 RESERVOIR NO. 2	32.6%	\$266,538	\$324,468
				\$10,403,073	\$11,236,428
112 ET					
	7233	BAKER SOLAR	3.3%	\$1,498	\$1,805
	5027	BAKER WATER TREATMENT PLANT	3.3%	\$343,910	\$362,043
	5428	CAPITAL PLANNING SUPPORT 16/17 DW	3.3%	\$7,986	\$14,091
	6160	CENTRALIZED CONTROL ROOM AT MWRP	3.3%	\$59	\$145

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
112 ET					
	4409	CHLORAMINE BOOSTER STATIONS AT 2 DW RESERVOIRS	3.3%	\$54,727	\$58,430
	5411	COMPRESSED NATURAL GAS MOTOR FUEL	3.3%	\$759	\$799
	6165	DRWF SURGE TANKS	3.3%	\$14,121	\$14,883
	5406	EL MODENA INLET MODIFICATION	3.3%	\$33	\$76
	3566	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	3.3%	\$27,486	\$34,393
	5475	GEN SYS MODS-DW 16/17	3.3%	\$6,280	\$7,626
	7174	GENERAL PLANT REGIONAL 16/17 DW	3.3%	\$14,273	\$14,273
	6200	GIS SUPPORT APPLICATIONS 16/17 - DOMESTIC	3.3%	\$1,980	\$3,109
	6213	IDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	3.3%	\$52,691	\$56,037
	1459	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	3.3%	\$353	\$353
	1100	LAKE FOREST WELL 1 DRILLING	3.3%	\$1,277	\$1,581
	1117	LAKE FOREST WELL 1 WELLHEAD	3.3%	\$1,030	\$1,333
	5338	MARSH MITIGATION CREDIT INVENTORY	3.3%	\$1,198	\$1,505
	7095	MEMBRANE PLANTS NEW ANTISCALANT PILOT TESTING	3.3%	\$812	\$1,016
	6212	NTS INFILTRATION STUDY	3.3%	\$1,069	\$1,280
	1373	OCWD ANNEXATION FEE 16/17	3.3%	\$19,160	\$19,160
	5756	PA51 "B" ST FROM SOCIABLE TO IRVINE BLV 12" ZN 4	98.2%	\$29,264	\$35,548
	5816	PA51 ALTON, TECHNOLOGY TO MUIRLANDS 12" DW	20.9%	\$10,889	\$12,707
	6304	PA51 BENCHMARK, BOSQUE TO 550'E/O BOSQUE 12" Z4R	100.0%	\$25,700	\$31,500
	4645	PA51 C ST FROM LQ ST TO O ST DW	100.0%	\$3,600	\$3,600
	6683	PA51 GP BENCHMARK AND MODJEKSA (DISTRICT 4) 12" DW	98.2%	\$87,202	\$103,601
	6552	PA51 GP BENCHMARK AND PERSPECTIVE 12" DW Z4R	98.2%	\$75,123	\$90,835
	6534	PA51 GP PUSAN (EPISODE TO IRVINE BLVD) 12" DW Z4	98.2%	\$21,899	\$27,594
	6512	PA51 GP-1 ST (MARINE TO GP-2 ST) 12" DW	20.9%	\$46,858	\$55,552
	6536	PA51 GP-2 ST (BOSQUE TO GP1 ST) 12" DW	20.9%	\$67,549	\$82,033

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
112 ET					
	6016	PA51 IRVINE BLVD, LAMBERT TO Z ST 12" DW	98.2%	\$100,557	\$121,081
	4620	PA51 LN ST FROM C ST TO LY ST DW	100.0%	\$4,100	\$4,100
	4650	PA51 LY ST FROM LQ ST TO IRVINE BLVD DW	100.0%	\$800	\$800
	4153	PA51 MARINE WAY DW ZN3	20.9%	\$4,494	\$5,037
	6086	PA51 MARINE WAY FROM ALTON TO BARRANCA 12" DW ZN 3	20.9%	\$2,341	\$2,341
	6208	PA51 MARINE WAY: SR133 TO RIDGE VALLEY 12" ZONE 3	100.0%	\$63,600	\$77,400
	4268	PA51 RIDGE VALLEY, MARINE WAY TO TRABUCO - DW	100.0%	\$14,200	\$14,200
	4261	PA51 RIDGE VALLEY, TRABUCO TO IRVINE BLVD - DW	100.0%	\$17,000	\$17,000
	3977	PA51 TRABUCO RD, SR133 TO LY ST DW	100.0%	\$2,300	\$2,300
	6214	PDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	3.3%	\$5,455	\$7,121
	7082	POTABLE REUSE ALTERNATIVES ANALYSIS DW	3.3%	\$3,630	\$4,547
	6956	PURCHASE PVID EATON PROPERTY	3.3%	\$3,907	\$3,907
	6023	ROSEDALE DROUGHT RELIEF PROJECT FACILITIES	3.3%	\$132,135	\$139,194
	6168	SAN JOAQUIN MARSH IMPROVEMENTS	3.3%	\$51,556	\$55,113
	7024	SANTA ANA DELHI DIVERSION PROJECT	3.3%	\$5,122	\$5,574
	1398	SANTIAGO HILLS II DW TRANSMISSION SYSTEM	3.3%	\$15,183	\$23,321
	5499	STOCKDALE STORAGE FOR RECOVERY CAPACITY	3.3%	\$52,322	\$52,625
	3766	STOCKDALE WEST INTEGRATED WATER BANKING PROJECT	3.3%	\$179,005	\$182,054
	6215	TUSTIN LEGACY RED HILL WELL ACQUISITION	3.3%	\$2,498	\$2,498
	7140	TUSTIN LEGACY REDHILL WELL DRILLING AND EQUIPPING	3.3%	\$568	\$719
	7152	WATER AND ENERGY PLANNING STUDIES DW 16/17	3.3%	\$4,175	\$5,702
	6245	WATER BANKING AGREEMENTS 16/18	3.3%	\$7,263	\$10,316
	6247	WATER BANKING PLANNING 16/17	3.3%	\$4,538	\$7,590
	6013	WATER SUPPLY AND SYSTEM RELIABILITY MODEL	3.3%	\$3,082	\$3,538
	1402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY	3.3%	\$175	\$221

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
112 ET					
	5431	WRMP UPDATE DW	3.3%	\$1,452	\$2,673
	6401	ZONE 1 RESERVOIR NO. 2	3.3%	\$26,981	\$32,845
				\$1,627,220	\$1,820,726
113 TU					
	7233	BAKER SOLAR	3.0%	\$1,362	\$1,641
	5027	BAKER WATER TREATMENT PLANT	3.0%	\$312,645	\$329,130
	5428	CAPITAL PLANNING SUPPORT 16/17 DW	3.0%	\$7,260	\$12,810
	6160	CENTRALIZED CONTROL ROOM AT MWRP	3.0%	\$54	\$132
	4409	CHLORAMINE BOOSTER STATIONS AT 2 DW RESERVOIRS	3.0%	\$49,752	\$53,118
	5411	COMPRESSED NATURAL GAS MOTOR FUEL	3.0%	\$690	\$726
	6165	DRWF SURGE TANKS	3.0%	\$12,837	\$13,530
	5406	EL MODENA INLET MODIFICATION	3.0%	\$30	\$69
	3566	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	3.0%	\$24,987	\$31,266
	5475	GEN SYS MODS-DW 16/17	3.0%	\$5,709	\$6,933
	7174	GENERAL PLANT REGIONAL 16/17 DW	3.0%	\$12,975	\$12,975
	6200	GIS SUPPORT APPLICATIONS 16/17 - DOMESTIC	3.0%	\$1,800	\$2,826
	1520	GREAT PARK COORDINATION AND SAMP UPDATE	100.0%	\$3,500	\$5,000
	6213	IDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	3.0%	\$47,901	\$50,943
	1459	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	3.0%	\$321	\$321
	1100	LAKE FOREST WELL 1 DRILLING	3.0%	\$1,161	\$1,437
	1117	LAKE FOREST WELL 1 WELLHEAD	3.0%	\$936	\$1,212
	5338	MARSH MITIGATION CREDIT INVENTORY	3.0%	\$1,089	\$1,368
	7095	MEMBRANE PLANTS NEW ANTISCALANT PILOT TESTING	3.0%	\$738	\$924
	6212	NTS INFILTRATION STUDY	3.0%	\$972	\$1,164
	1373	OCWD ANNEXATION FEE 16/17	3.0%	\$17,418	\$17,418

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
113 TU					
	6214	PDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	3.0%	\$4,959	\$6,474
	7082	POTABLE REUSE ALTERNATIVES ANALYSIS DW	3.0%	\$3,300	\$4,134
	6956	PURCHASE PVID EATON PROPERTY	3.0%	\$3,552	\$3,552
	6023	ROSEDALE DROUGHT RELIEF PROJECT FACILITIES	3.0%	\$120,123	\$126,540
	6168	SAN JOAQUIN MARSH IMPROVEMENTS	3.0%	\$46,869	\$50,103
	7024	SANTA ANA DELHI DIVERSION PROJECT	3.0%	\$4,656	\$5,067
	1398	SANTIAGO HILLS II DW TRANSMISSION SYSTEM	3.0%	\$13,803	\$21,201
	5499	STOCKDALE STORAGE FOR RECOVERY CAPACITY	3.0%	\$47,565	\$47,841
	3766	STOCKDALE WEST INTEGRATED WATER BANKING PROJECT	3.0%	\$162,732	\$165,504
	1038	TUSTIN LEGACY MASTER DW FACILITIES	100.0%	\$159,200	\$232,300
	6765	TUSTIN LEGACY MOFFETT DR (AT PETERS CYN) 12" DW Z1	100.0%	\$89,900	\$108,700
	6109	TUSTIN LEGACY PARK AVE & MOFFETT DR 12" DW	100.0%	\$232,900	\$254,800
	6215	TUSTIN LEGACY RED HILL WELL ACQUISITION	3.0%	\$2,271	\$2,271
	7140	TUSTIN LEGACY REDHILL WELL DRILLING AND EQUIPPING	3.0%	\$516	\$654
	4366	TUSTIN LEGACY TUSTIN RANCH, BARRANCA, ARMSTRONG DW	100.0%	\$7,100	\$7,100
	4510	TUSTIN LEGACY WARNER - LEGACY TO TUSTIN RANCH DW	100.0%	\$4,200	\$4,200
	4988	TUSTIN LEGACY WARNER FROM ARMSTRONG TO LEGACY DW	100.0%	\$1,600	\$1,600
	7152	WATER AND ENERGY PLANNING STUDIES DW 16/17	3.0%	\$3,795	\$5,184
	6245	WATER BANKING AGREEMENTS 16/18	3.0%	\$6,603	\$9,378
	6247	WATER BANKING PLANNING 16/17	3.0%	\$4,125	\$6,900
	6013	WATER SUPPLY AND SYSTEM RELIABILITY MODEL	3.0%	\$2,802	\$3,216
	1402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY	3.0%	\$159	\$201
	5431	WRMP UPDATE DW	3.0%	\$1,320	\$2,430
	6401	ZONE 1 RESERVOIR NO. 2	3.0%	\$24,528	\$29,859
				\$1,452,715	\$1,644,152

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
125-DevID_Potable					
	7233	BAKER SOLAR	47.5%	\$21,565	\$25,983
	5027	BAKER WATER TREATMENT PLANT	47.5%	\$4,950,213	\$5,211,225
	5428	CAPITAL PLANNING SUPPORT 16/17 DW	47.5%	\$114,950	\$202,825
	6160	CENTRALIZED CONTROL ROOM AT MWRP	47.5%	\$855	\$2,090
	4409	CHLORAMINE BOOSTER STATIONS AT 2 DW RESERVOIRS	47.5%	\$787,740	\$841,035
	5410	COASTAL ZONE 2 PRV MODIFICATION (DPR16)	100.0%	\$1,900	\$4,600
	5411	COMPRESSED NATURAL GAS MOTOR FUEL	47.5%	\$10,925	\$11,495
	6165	DRWF SURGE TANKS	47.5%	\$203,253	\$214,225
	5406	EL MODENA INLET MODIFICATION	47.5%	\$475	\$1,093
	3566	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	47.5%	\$395,628	\$495,045
	5475	GEN SYS MODS-DW 16/17	47.5%	\$90,393	\$109,773
	7174	GENERAL PLANT REGIONAL 16/17 DW	47.5%	\$205,438	\$205,438
	6200	GIS SUPPORT APPLICATIONS 16/17 - DOMESTIC	47.5%	\$28,500	\$44,745
	6213	IDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	47.5%	\$758,433	\$806,598
	1459	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	47.5%	\$5,083	\$5,083
	1100	LAKE FOREST WELL 1 DRILLING	47.5%	\$18,383	\$22,753
	1117	LAKE FOREST WELL 1 WELLHEAD	47.5%	\$14,820	\$19,190
	5338	MARSH MITIGATION CREDIT INVENTORY	47.5%	\$17,243	\$21,660
	7095	MEMBRANE PLANTS NEW ANTISCALANT PILOT TESTING	47.5%	\$11,685	\$14,630
	6212	NTS INFILTRATION STUDY	47.5%	\$15,390	\$18,430
	1373	OCWD ANNEXATION FEE 16/17	47.5%	\$275,785	\$275,785
	6214	PDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	47.5%	\$78,518	\$102,505
	7082	POTABLE REUSE ALTERNATIVES ANALYSIS DW	47.5%	\$52,250	\$65,455
	6956	PURCHASE PVID EATON PROPERTY	47.5%	\$56,240	\$56,240
	6023	ROSEDALE DROUGHT RELIEF PROJECT FACILITIES	47.5%	\$1,901,948	\$2,003,550

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
125-DevID_Potable					
	6168	SAN JOAQUIN MARSH IMPROVEMENTS	47.5%	\$742,093	\$793,298
	7024	SANTA ANA DELHI DIVERSION PROJECT	47.5%	\$73,720	\$80,228
	1398	SANTIAGO HILLS II DW TRANSMISSION SYSTEM	47.5%	\$218,548	\$335,683
	5499	STOCKDALE STORAGE FOR RECOVERY CAPACITY	47.5%	\$753,113	\$757,483
	3766	STOCKDALE WEST INTEGRATED WATER BANKING PROJECT	47.5%	\$2,576,590	\$2,620,480
	6215	TUSTIN LEGACY RED HILL WELL ACQUISITION	47.5%	\$35,958	\$35,958
	7140	TUSTIN LEGACY REDHILL WELL DRILLING AND EQUIPPING	47.5%	\$8,170	\$10,355
	7152	WATER AND ENERGY PLANNING STUDIES DW 16/17	47.5%	\$60,088	\$82,080
	6245	WATER BANKING AGREEMENTS 16/18	47.5%	\$104,548	\$148,485
	6247	WATER BANKING PLANNING 16/17	47.5%	\$65,313	\$109,250
	6013	WATER SUPPLY AND SYSTEM RELIABILITY MODEL	47.5%	\$44,365	\$50,920
	1402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY	47.5%	\$2,518	\$3,183
	5431	WRMP UPDATE DW	47.5%	\$20,900	\$38,475
	6401	ZONE 1 RESERVOIR NO. 2	47.5%	\$388,360	\$472,768
				\$15,111,888	\$16,320,090
153-FutDevID_Potable					
	7233	BAKER SOLAR	11.1%	\$5,039	\$6,072
	5027	BAKER WATER TREATMENT PLANT	11.1%	\$1,156,787	\$1,217,781
	5428	CAPITAL PLANNING SUPPORT 16/17 DW	11.1%	\$26,862	\$47,397
	6160	CENTRALIZED CONTROL ROOM AT MWRP	11.1%	\$200	\$488
	4409	CHLORAMINE BOOSTER STATIONS AT 2 DW RESERVOIRS	11.1%	\$184,082	\$196,537
	5411	COMPRESSED NATURAL GAS MOTOR FUEL	11.1%	\$2,553	\$2,686
	6165	DRWF SURGE TANKS	11.1%	\$47,497	\$50,061
	5406	EL MODENA INLET MODIFICATION	11.1%	\$111	\$255
	3566	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	11.1%	\$92,452	\$115,684

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
153-FutDevID_Potable					
	5475	GEN SYS MODS-DW 16/17	11.1%	\$21,123	\$25,652
	7174	GENERAL PLANT REGIONAL 16/17 DW	11.1%	\$48,008	\$48,008
	6200	GIS SUPPORT APPLICATIONS 16/17 - DOMESTIC	11.1%	\$6,660	\$10,456
	6849	IBC SIDEWALK IMP & APPURTENANCE RELOCATIONS	40.0%	\$113,960	\$124,040
	6213	IDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	11.1%	\$177,234	\$188,489
	1459	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	11.1%	\$1,188	\$1,188
	1100	LAKE FOREST WELL 1 DRILLING	11.1%	\$4,296	\$5,317
	1117	LAKE FOREST WELL 1 WELLHEAD	11.1%	\$3,463	\$4,484
	5338	MARSH MITIGATION CREDIT INVENTORY	11.1%	\$4,029	\$5,062
	7095	MEMBRANE PLANTS NEW ANTISCALANT PILOT TESTING	11.1%	\$2,731	\$3,419
	6212	NTS INFILTRATION STUDY	11.1%	\$3,596	\$4,307
	1373	OCWD ANNEXATION FEE 16/17	11.1%	\$64,447	\$64,447
	1354	PA1 16" Z5 PIPE, 5-4 PRVS NEIGHBORHOOD 3	100.0%	\$11,000	\$29,400
	7012	PA1 NHB3 ORCHARD HILLS 16" DW Z5	100.0%	\$100,700	\$132,600
	4680	PA18S HIDDEN CANYON 12" DW	100.0%	\$7,300	\$7,300
	5756	PA51 "B" ST FROM SOCIABLE TO IRVINE BLV 12" ZN 4	1.8%	\$536	\$652
	5816	PA51 ALTON, TECHNOLOGY TO MUIRLANDS 12" DW	79.1%	\$41,211	\$48,093
	6683	PA51 GP BENCHMARK AND MODJEKSA (DISTRICT 4) 12" DW	1.8%	\$1,598	\$1,899
	6552	PA51 GP BENCHMARK AND PERSPECTIVE 12" DW Z4R	1.8%	\$1,377	\$1,665
	6534	PA51 GP PUSAN (EPISODE TO IRVINE BLVD) 12" DW Z4	1.8%	\$401	\$506
	6512	PA51 GP-1 ST (MARINE TO GP-2 ST) 12" DW	79.1%	\$177,342	\$210,248
	6536	PA51 GP-2 ST (BOSQUE TO GP1 ST) 12" DW	79.1%	\$255,651	\$310,468
	6016	PA51 IRVINE BLVD, LAMBERT TO Z ST 12" DW	1.8%	\$1,843	\$2,219
	4153	PA51 MARINE WAY DW ZN3	79.1%	\$17,007	\$19,063
	6086	PA51 MARINE WAY FROM ALTON TO BARRANCA 12" DW ZN 3	79.1%	\$8,859	\$8,859

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
153-FutDevID_Potable					
	4512	PA5B PHASE 1A 12" ZONE 3 DW	100.0%	\$4,700	\$4,700
	5243	PA6 NEIGHBORHOOD 4B 6" RW ZONE D	100.0%	\$23,100	\$23,100
	6214	PDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	11.1%	\$18,348	\$23,954
	7082	POTABLE REUSE ALTERNATIVES ANALYSIS DW	11.1%	\$12,210	\$15,296
	6956	PURCHASE PVID EATON PROPERTY	11.1%	\$13,142	\$13,142
	6023	ROSEDALE DROUGHT RELIEF PROJECT FACILITIES	11.1%	\$444,455	\$468,198
	6168	SAN JOAQUIN MARSH IMPROVEMENTS	11.1%	\$173,415	\$185,381
	7024	SANTA ANA DELHI DIVERSION PROJECT	11.1%	\$17,227	\$18,748
	7136	SANTIAGO HILLS II DOMESTIC WATER BPS	100.0%	\$275,700	\$323,400
	7138	SANTIAGO HILLS II DOMESTIC WATER RESERVOIR	100.0%	\$746,700	\$846,400
	1398	SANTIAGO HILLS II DW TRANSMISSION SYSTEM	11.1%	\$51,071	\$78,444
	5499	STOCKDALE STORAGE FOR RECOVERY CAPACITY	11.1%	\$175,991	\$177,012
	3766	STOCKDALE WEST INTEGRATED WATER BANKING PROJECT	11.1%	\$602,108	\$612,365
	6215	TUSTIN LEGACY RED HILL WELL ACQUISITION	11.1%	\$8,403	\$8,403
	7140	TUSTIN LEGACY REDHILL WELL DRILLING AND EQUIPPING	11.1%	\$1,909	\$2,420
	7152	WATER AND ENERGY PLANNING STUDIES DW 16/17	11.1%	\$14,042	\$19,181
	6245	WATER BANKING AGREEMENTS 16/18	11.1%	\$24,431	\$34,699
	6247	WATER BANKING PLANNING 16/17	11.1%	\$15,263	\$25,530
	6013	WATER SUPPLY AND SYSTEM RELIABILITY MODEL	11.1%	\$10,367	\$11,899
	1402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY	11.1%	\$588	\$744
	5431	WRMP UPDATE DW	11.1%	\$4,884	\$8,991
	6401	ZONE 1 RESERVOIR NO. 2	11.1%	\$90,754	\$110,478
				\$5,319,952	\$5,907,284
154					
	7233	BAKER SOLAR	0.4%	\$182	\$219

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
154					
	5027	BAKER WATER TREATMENT PLANT	0.4%	\$41,686	\$43,884
	5428	CAPITAL PLANNING SUPPORT 16/17 DW	0.4%	\$968	\$1,708
	6160	CENTRALIZED CONTROL ROOM AT MWRP	0.4%	\$7	\$18
	4409	CHLORAMINE BOOSTER STATIONS AT 2 DW RESERVOIRS	0.4%	\$6,634	\$7,082
	5411	COMPRESSED NATURAL GAS MOTOR FUEL	0.4%	\$92	\$97
	6165	DRWF SURGE TANKS	0.4%	\$1,712	\$1,804
	5406	EL MODENA INLET MODIFICATION	0.4%	\$4	\$9
	3566	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	0.4%	\$3,332	\$4,169
	5475	GEN SYS MODS-DW 16/17	0.4%	\$761	\$924
	7174	GENERAL PLANT REGIONAL 16/17 DW	0.4%	\$1,730	\$1,730
	6200	GIS SUPPORT APPLICATIONS 16/17 - DOMESTIC	0.4%	\$240	\$377
	6213	IDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	0.4%	\$6,387	\$6,792
	1459	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	0.4%	\$43	\$43
	1100	LAKE FOREST WELL 1 DRILLING	0.4%	\$155	\$192
	1117	LAKE FOREST WELL 1 WELLHEAD	0.4%	\$125	\$162
	5338	MARSH MITIGATION CREDIT INVENTORY	0.4%	\$145	\$182
	7095	MEMBRANE PLANTS NEW ANTISCALANT PILOT TESTING	0.4%	\$98	\$123
	6212	NTS INFILTRATION STUDY	0.4%	\$130	\$155
	1373	OCWD ANNEXATION FEE 16/17	0.4%	\$2,322	\$2,322
	6214	PDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	0.4%	\$661	\$863
	7082	POTABLE REUSE ALTERNATIVES ANALYSIS DW	0.4%	\$440	\$551
	6956	PURCHASE PVID EATON PROPERTY	0.4%	\$474	\$474
	6023	ROSEDALE DROUGHT RELIEF PROJECT FACILITIES	0.4%	\$16,016	\$16,872
	6168	SAN JOAQUIN MARSH IMPROVEMENTS	0.4%	\$6,249	\$6,680
	7024	SANTA ANA DELHI DIVERSION PROJECT	0.4%	\$621	\$676

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
154					
	1398	SANTIAGO HILLS II DW TRANSMISSION SYSTEM	0.4%	\$1,840	\$2,827
	5499	STOCKDALE STORAGE FOR RECOVERY CAPACITY	0.4%	\$6,342	\$6,379
	3766	STOCKDALE WEST INTEGRATED WATER BANKING PROJECT	0.4%	\$21,698	\$22,067
	6215	TUSTIN LEGACY RED HILL WELL ACQUISITION	0.4%	\$303	\$303
	7140	TUSTIN LEGACY REDHILL WELL DRILLING AND EQUIPPING	0.4%	\$69	\$87
	7152	WATER AND ENERGY PLANNING STUDIES DW 16/17	0.4%	\$506	\$691
	6245	WATER BANKING AGREEMENTS 16/18	0.4%	\$880	\$1,250
	6247	WATER BANKING PLANNING 16/17	0.4%	\$550	\$920
	6013	WATER SUPPLY AND SYSTEM RELIABILITY MODEL	0.4%	\$374	\$429
	1402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY	0.4%	\$21	\$27
	5431	WRMP UPDATE DW	0.4%	\$176	\$324
	6401	ZONE 1 RESERVOIR NO. 2	0.4%	\$3,270	\$3,981
				\$127,242	\$137,394
185-LF_OSA					
	7233	BAKER SOLAR	1.6%	\$726	\$875
	5027	BAKER WATER TREATMENT PLANT	1.6%	\$166,744	\$175,536
	5428	CAPITAL PLANNING SUPPORT 16/17 DW	1.6%	\$3,872	\$6,832
	6160	CENTRALIZED CONTROL ROOM AT MWRP	1.6%	\$29	\$70
	4409	CHLORAMINE BOOSTER STATIONS AT 2 DW RESERVOIRS	1.6%	\$26,534	\$28,330
	5411	COMPRESSED NATURAL GAS MOTOR FUEL	1.6%	\$368	\$387
	6165	DRWF SURGE TANKS	1.6%	\$6,846	\$7,216
	5406	EL MODENA INLET MODIFICATION	1.6%	\$16	\$37
	3566	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	1.6%	\$13,326	\$16,675
	5475	GEN SYS MODS-DW 16/17	1.6%	\$3,045	\$3,698
	7174	GENERAL PLANT REGIONAL 16/17 DW	1.6%	\$6,920	\$6,920

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
185-LF_OSA					
	6200	GIS SUPPORT APPLICATIONS 16/17 - DOMESTIC	1.6%	\$960	\$1,507
	6213	IDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	1.6%	\$25,547	\$27,170
	1459	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	1.6%	\$171	\$171
	1181	LAKE FOREST DW OFFSITE IMPROVEMENTS	100.0%	\$68,700	\$107,600
	1100	LAKE FOREST WELL 1 DRILLING	1.6%	\$619	\$766
	1117	LAKE FOREST WELL 1 WELLHEAD	1.6%	\$499	\$646
	5404	LAKE FOREST Z2-2RA PRV AT COMMERCENTRE	100.0%	\$16,500	\$17,800
	5338	MARSH MITIGATION CREDIT INVENTORY	1.6%	\$581	\$730
	7095	MEMBRANE PLANTS NEW ANTISCALANT PILOT TESTING	1.6%	\$394	\$493
	6212	NTS INFILTRATION STUDY	1.6%	\$518	\$621
	1373	OCWD ANNEXATION FEE 16/17	1.6%	\$9,290	\$9,290
	6214	PDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	1.6%	\$2,645	\$3,453
	7082	POTABLE REUSE ALTERNATIVES ANALYSIS DW	1.6%	\$1,760	\$2,205
	6956	PURCHASE PVID EATON PROPERTY	1.6%	\$1,894	\$1,894
	6023	ROSEDALE DROUGHT RELIEF PROJECT FACILITIES	1.6%	\$64,066	\$67,488
	6168	SAN JOAQUIN MARSH IMPROVEMENTS	1.6%	\$24,997	\$26,722
	7024	SANTA ANA DELHI DIVERSION PROJECT	1.6%	\$2,483	\$2,702
	1398	SANTIAGO HILLS II DW TRANSMISSION SYSTEM	1.6%	\$7,362	\$11,307
	7133	SERRANO SUMMIT DW IMPROVEMENTS	100.0%	\$97,300	\$174,800
	5499	STOCKDALE STORAGE FOR RECOVERY CAPACITY	1.6%	\$25,368	\$25,515
	3766	STOCKDALE WEST INTEGRATED WATER BANKING PROJECT	1.6%	\$86,790	\$88,269
	6215	TUSTIN LEGACY RED HILL WELL ACQUISITION	1.6%	\$1,211	\$1,211
	7140	TUSTIN LEGACY REDHILL WELL DRILLING AND EQUIPPING	1.6%	\$275	\$349
	7152	WATER AND ENERGY PLANNING STUDIES DW 16/17	1.6%	\$2,024	\$2,765
	6245	WATER BANKING AGREEMENTS 16/18	1.6%	\$3,522	\$5,002

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
185-LF_OSA					
	6247	WATER BANKING PLANNING 16/17	1.6%	\$2,200	\$3,680
	6013	WATER SUPPLY AND SYSTEM RELIABILITY MODEL	1.6%	\$1,494	\$1,715
	1402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY	1.6%	\$85	\$107
	5431	WRMP UPDATE DW	1.6%	\$704	\$1,296
	6401	ZONE 1 RESERVOIR NO. 2	1.6%	\$13,082	\$15,925
				\$691,468	\$849,774
188					
	7233	BAKER SOLAR	0.5%	\$227	\$274
	5027	BAKER WATER TREATMENT PLANT	0.5%	\$52,108	\$54,855
	5428	CAPITAL PLANNING SUPPORT 16/17 DW	0.5%	\$1,210	\$2,135
	6160	CENTRALIZED CONTROL ROOM AT MWRP	0.5%	\$9	\$22
	4409	CHLORAMINE BOOSTER STATIONS AT 2 DW RESERVOIRS	0.5%	\$8,292	\$8,853
	5411	COMPRESSED NATURAL GAS MOTOR FUEL	0.5%	\$115	\$121
	6165	DRWF SURGE TANKS	0.5%	\$2,140	\$2,255
	5406	EL MODENA INLET MODIFICATION	0.5%	\$5	\$12
	3566	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	0.5%	\$4,165	\$5,211
	5475	GEN SYS MODS-DW 16/17	0.5%	\$952	\$1,156
	7174	GENERAL PLANT REGIONAL 16/17 DW	0.5%	\$2,163	\$2,163
	6200	GIS SUPPORT APPLICATIONS 16/17 - DOMESTIC	0.5%	\$300	\$471
	6213	IDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	0.5%	\$7,984	\$8,491
	1459	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	0.5%	\$54	\$54
	1100	LAKE FOREST WELL 1 DRILLING	0.5%	\$194	\$240
	1117	LAKE FOREST WELL 1 WELLHEAD	0.5%	\$156	\$202
	5338	MARSH MITIGATION CREDIT INVENTORY	0.5%	\$182	\$228
	7095	MEMBRANE PLANTS NEW ANTISCALANT PILOT TESTING	0.5%	\$123	\$154

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
188					
	6212	NTS INFILTRATION STUDY	0.5%	\$162	\$194
	1373	OCWD ANNEXATION FEE 16/17	0.5%	\$2,903	\$2,903
	6214	PDF SODIUM HYPOCHLORITE STORAGE AND FEED SYSTEM	0.5%	\$827	\$1,079
	7082	POTABLE REUSE ALTERNATIVES ANALYSIS DW	0.5%	\$550	\$689
	6956	PURCHASE PVID EATON PROPERTY	0.5%	\$592	\$592
	6023	ROSEDALE DROUGHT RELIEF PROJECT FACILITIES	0.5%	\$20,021	\$21,090
	6168	SAN JOAQUIN MARSH IMPROVEMENTS	0.5%	\$7,812	\$8,351
	7024	SANTA ANA DELHI DIVERSION PROJECT	0.5%	\$776	\$845
	1398	SANTIAGO HILLS II DW TRANSMISSION SYSTEM	0.5%	\$2,301	\$3,534
	5499	STOCKDALE STORAGE FOR RECOVERY CAPACITY	0.5%	\$7,928	\$7,974
	3766	STOCKDALE WEST INTEGRATED WATER BANKING PROJECT	0.5%	\$27,122	\$27,584
	6215	TUSTIN LEGACY RED HILL WELL ACQUISITION	0.5%	\$379	\$379
	7140	TUSTIN LEGACY REDHILL WELL DRILLING AND EQUIPPING	0.5%	\$86	\$109
	7152	WATER AND ENERGY PLANNING STUDIES DW 16/17	0.5%	\$633	\$864
	6245	WATER BANKING AGREEMENTS 16/18	0.5%	\$1,101	\$1,563
	6247	WATER BANKING PLANNING 16/17	0.5%	\$688	\$1,150
	6013	WATER SUPPLY AND SYSTEM RELIABILITY MODEL	0.5%	\$467	\$536
	1402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY	0.5%	\$27	\$34
	5431	WRMP UPDATE DW	0.5%	\$220	\$405
	6401	ZONE 1 RESERVOIR NO. 2	0.5%	\$4,088	\$4,977
				\$159,053	\$171,742
201-Rep					
	5483	1" TO 2" METER REPLACEMENT-RW 16/17	100.0%	\$117,000	\$130,900
	7086	CALIFORNIA AVE RW PIPELINE, ACADEMY TO THEORY	100.0%	\$13,000	\$17,600
	5481	CSR METER REPLACEMENT-RW 16/17	100.0%	\$112,200	\$115,900

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
201-Rep					
	4395	EBS UPGRADE ID CONSOL AND PROJECT MGMT IMPLEMENT	100.0%	\$1,568,600	\$2,025,500
	7009	FPS2 PIPELINE MANIFOLD REPLACEMENT	100.0%	\$166,100	\$258,600
	7180	GENERAL PLANT - CONSERVATION	100.0%	\$80,000	\$80,000
	7178	GENERAL PLANT REPLACEMENT 16/17 SEWER	100.0%	\$853,900	\$853,900
	1257	HQ OFFICE IMPROVEMENTS	100.0%	\$13,700	\$18,400
	1549	HQ OFFICE IMPROVEMENTS	100.0%	\$41,200	\$59,000
	6850	IBC SIDEWALK IMP & APPURTENANCE RELOCATIONS	60.0%	\$18,900	\$20,640
	5823	ILP NORTH CONVERSION - PIPELINES	2.1%	\$138,978	\$143,499
	5407	ILP NORTH CONVERSION - RESERVOIR	0.3%	\$21,132	\$21,414
	5156	LAGUNA CANYON RD RW PIPELINE CORROSION REPLACE	100.0%	\$2,000	\$4,600
	5478	LAWRP SYSTEM REPLACEMENTS 16/17	100.0%	\$132,000	\$132,000
	5174	MAIN ST DIVERSION STRUCTURE GROUND SETTLING	100.0%	\$95,700	\$131,000
	5520	MAINTENANCE ACCESS FOR FOUR SEWER REACHES	100.0%	\$1,400	\$3,300
	5451	MECH & ELEC SYS REPLACEMENT - RW 16/17	100.0%	\$660,000	\$660,000
	5449	MECH & ELEC SYS REPLACEMENT - SEWER 16/17	100.0%	\$550,000	\$550,000
	7097	MICHELSON DI SFM RELINING	100.0%	\$4,000	\$10,500
	4457	MULTI-ZONE BPS - ZONE A-B	13.7%	\$66,198	\$85,817
	4286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES	45.5%	\$20,736,261	\$21,284,900
	5469	MWRP FPS 2 ROOF REPLACEMENT	100.0%	\$343,800	\$378,500
	4467	MWRP REPAIRS: ACT SLUDGE, 2DARY TANKS, RAS/WAS	100.0%	\$181,700	\$263,800
	5455	MWRP SYS REPLACEMENTS 16/17	100.0%	\$442,200	\$445,900
	5470	NEWPORT COAST SLS AND FM RECOATING (REHAB)	100.0%	\$1,033,300	\$1,104,700
	1554	OCSD CORF 15/16	72.7%	\$874,508	\$874,508
	1561	OCSD CORF 16/17	72.7%	\$3,352,706	\$3,352,706
	1429	OCSD SOLIDS HANDLING 16/17	45.5%	\$632,905	\$632,905

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
201-Rep					
	7118	OPS CENTER ROOF REPLACEMENT	100.0%	\$166,000	\$272,500
	7119	OPS CENTER ROOF REPLACEMENT	100.0%	\$166,000	\$194,700
	5302	RAISE MANHOLES TO GRADE 16/17 UNDER RA	100.0%	\$346,500	\$374,300
	5305	RAISE RW SYSTEM VALVES 16/17 UNDER RA	100.0%	\$138,600	\$149,700
	5476	RATTLESNAKE ZONE A BPS REBUILD	100.0%	\$5,300	\$14,600
	7098	REBUILD SMH ON MAIN ST E/O MACARTHUR	100.0%	\$500	\$1,200
	7085	REPLACEMENT PLANNING RW	100.0%	\$49,900	\$133,800
	3780	SAN JOAQUIN RESERVOIR LINER REPLACEMENT	100.0%	\$8,900	\$11,400
	7099	SEA WATCH RW MAIN REPLACEMENT (S/O PACIFIC MIST)	100.0%	\$2,100	\$5,500
	5452	SERVICE LINE, VALVE & MAIN REPLACEMENT-RW 16/17	100.0%	\$515,800	\$534,300
	5457	SEWER GEN SYS MODS 16/17	100.0%	\$330,000	\$330,000
	5471	SEWER LATERAL & MAIN REPLACEMENT 16/17	100.0%	\$218,900	\$237,400
	7100	SEWER LINE REPAIRS	100.0%	\$500	\$1,300
	3750	SOCWA ETM PROTECTION - TRAIL BRIDGE CROSSING	100.0%	\$5,500	\$14,800
	7101	UCI CT RW CONV ACADEMY WAY	60.0%	\$570,900	\$593,160
	7102	UCI CT RW CONV CALIFORNIA, UNIV TO ACADEMY	60.0%	\$207,900	\$230,160
	7103	UCI CT RW CONVERSION ONSITE PIPELINES	100.0%	\$79,800	\$79,800
	7172	UNIVERSITY DR WIDENING APPURTENANCE RELOCATION	75.0%	\$98,550	\$116,550
	7171	UNIVERSITY DR WIDENING APPURTENANCE RELOCATION	75.0%	\$98,550	\$116,550
	7112	VACTOR ACCESS TO SMH ON SO IRVINE INTERCEPTOR	100.0%	\$1,400	\$3,800
	6123	VAULT LID REPLACEMENT - RW	100.0%	\$1,600	\$4,200
	6122	VAULT LID REPLACEMENT - SEWER	100.0%	\$3,300	\$5,900
				\$35,269,889	\$37,086,110
210					
	6479	400/450 SPECTRUM CENTER DR 36" SS RELOCATION	33.1%	\$115,850	\$130,149

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
210					
	5429	CAPITAL PLANNING SUPPORT 16/17 RW	14.6%	\$35,332	\$62,342
	5430	CAPITAL PLANNING SUPPORT 16/17 SEWER	33.1%	\$80,102	\$141,337
	6161	CENTRALIZED CONTROL ROOM AT MWRP	33.1%	\$596	\$1,456
	3567	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	33.1%	\$275,690	\$344,968
	5480	GEN SYS MODS-RW 16/17	14.6%	\$14,863	\$18,119
	7176	GENERAL PLANT REGIONAL 16/17 RW	14.6%	\$41,654	\$41,654
	7175	GENERAL PLANT REGIONAL 16/17 SEWER	33.1%	\$96,718	\$96,718
	6203	GIS SUPPORT APPLICATIONS 16/17 - RECYCLED	14.6%	\$8,760	\$13,753
	6204	GIS SUPPORT APPLICATIONS 16/17 - SEWER	33.1%	\$19,860	\$31,180
	1152	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	33.1%	\$1,854	\$1,854
	4397	LAWRP SYSTEM UPGRADES	33.1%	\$1,920	\$2,880
	7096	METER AND VAULT FOR OSO RESERVOIR	14.6%	\$365	\$934
	4286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES	18.9%	\$8,613,524	\$8,841,420
	7158	NON-POTABLE WATER STUDIES 16/17	14.6%	\$8,760	\$11,461
	7156	NTS INSTRUMENTATION	14.6%	\$24,134	\$32,251
	1554	OCS D CORF 15/16	9.0%	\$108,698	\$108,698
	1561	OCS D CORF 16/17	9.0%	\$416,727	\$416,727
	1516	OCS D EQUITY 15/16	33.1%	\$758,983	\$758,983
	1530	OCS D EQUITY 16/17	33.1%	\$2,617,250	\$2,617,250
	7070	OCS D SJHPC/ GRS	33.1%	\$264,370	\$264,370
	1429	OCS D SOLIDS HANDLING 16/17	18.9%	\$262,899	\$262,899
	7137	OPA ZONE C+ PIPELINES	14.6%	\$136,291	\$147,066
	6167	OPS CENTER PERMANENT GENERATOR	33.1%	\$177,085	\$198,534
	5168	PA18S HIDDEN CANYON 36" RW PIPELINE	14.6%	\$8,570	\$8,570
	4514	PA5B PHASE 1A AND 1B 36" RW	14.6%	\$11,680	\$11,680

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
210					
	4985	PETERS CANYON WATER CAPTURE AND REUSE PIPELINE	33.1%	\$140,510	\$143,786
	7083	POTABLE REUSE ALTERNATIVES ANALYSIS SEWER	33.1%	\$36,410	\$45,612
	6243	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 16/17	14.6%	\$119,647	\$149,373
	3779	SALT MANAGEMENT PLAN DEVELOPMENT	14.6%	\$1,971	\$2,190
	1813	SANTIAGO DAM & OUTLET TWR SEISMIC STABILITY	14.6%	\$33,478	\$38,851
	5412	SCSMP UPDATE AND LONG-TERM FLOW MONITORING	33.1%	\$42,765	\$56,469
	5186	SJM SLS UPGRADE	33.1%	\$397	\$1,026
	5154	SJR SEISMIC EVALUATION (DSOD)	14.6%	\$102	\$248
	3808	SYPHON RESERVOIR EXPANSION	14.6%	\$11,972	\$17,140
	7101	UCI CT RW CONV ACADEMY WAY	40.0%	\$380,600	\$395,440
	7102	UCI CT RW CONV CALIFORNIA, UNIV TO ACADEMY	40.0%	\$138,600	\$153,440
	7171	UNIVERSITY DR WIDENING APPURTENANCE RELOCATION	25.0%	\$32,850	\$38,850
	7172	UNIVERSITY DR WIDENING APPURTENANCE RELOCATION	25.0%	\$32,850	\$38,850
	5427	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	33.1%	\$203,135	\$271,453
	7141	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	14.6%	\$44,180	\$59,115
	5432	WRMP UPDATE RW	14.6%	\$6,424	\$11,826
				\$15,328,423	\$15,990,922
212 ET					
	6479	400/450 SPECTRUM CENTER DR 36" SS RELOCATION	3.4%	\$11,900	\$13,369
	5429	CAPITAL PLANNING SUPPORT 16/17 RW	10.7%	\$25,894	\$45,689
	5430	CAPITAL PLANNING SUPPORT 16/17 SEWER	3.4%	\$8,228	\$14,518
	6161	CENTRALIZED CONTROL ROOM AT MWRP	3.4%	\$61	\$150
	3567	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	3.4%	\$28,319	\$35,435
	5480	GEN SYS MODS-RW 16/17	10.7%	\$10,893	\$13,279
	7176	GENERAL PLANT REGIONAL 16/17 RW	10.7%	\$30,527	\$30,527

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
212 ET					
	7175	GENERAL PLANT REGIONAL 16/17 SEWER	3.4%	\$9,935	\$9,935
	6203	GIS SUPPORT APPLICATIONS 16/17 - RECYCLED	10.7%	\$6,420	\$10,079
	6204	GIS SUPPORT APPLICATIONS 16/17 - SEWER	3.4%	\$2,040	\$3,203
	1167	GREAT PARK COORDINATION AND SAMP UPDATE	100.0%	\$3,500	\$5,000
	6198	IIC ZONE B BPS UPGRADES	54.2%	\$132,682	\$143,034
	5823	ILP NORTH CONVERSION - PIPELINES	2.5%	\$165,450	\$170,833
	5407	ILP NORTH CONVERSION - RESERVOIR	40.1%	\$2,824,684	\$2,862,378
	1152	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	3.4%	\$190	\$190
	4397	LAWRP SYSTEM UPGRADES	3.4%	\$197	\$296
	7096	METER AND VAULT FOR OSO RESERVOIR	10.7%	\$268	\$685
	4457	MULTI-ZONE BPS - ZONE A-B	48.2%	\$232,902	\$301,925
	4400	MULTI-ZONE BPS - ZONE A-C	56.0%	\$267,176	\$352,240
	4286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES	1.5%	\$683,613	\$701,700
	7158	NON-POTABLE WATER STUDIES 16/17	10.7%	\$6,420	\$8,400
	6216	NORTHWOOD ZONE B BPS DEMOLITION	54.2%	\$2,981	\$8,022
	7156	NTS INSTRUMENTATION	10.7%	\$17,687	\$23,636
	1554	OCSO CORF 15/16	0.9%	\$11,165	\$11,165
	1561	OCSO CORF 16/17	0.9%	\$42,806	\$42,806
	1516	OCSO EQUITY 15/16	3.4%	\$77,962	\$77,962
	1530	OCSO EQUITY 16/17	3.4%	\$268,841	\$268,841
	7070	OCSO SJHPC/ GRS	3.4%	\$27,156	\$27,156
	1429	OCSO SOLIDS HANDLING 16/17	1.5%	\$20,865	\$20,865
	7137	OPA ZONE C+ PIPELINES	10.7%	\$99,885	\$107,781
	6167	OPS CENTER PERMANENT GENERATOR	3.4%	\$18,190	\$20,393
	5168	PA18S HIDDEN CANYON 36" RW PIPELINE	10.7%	\$6,281	\$6,281

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
212 ET					
	3734	PA40 TRAVELAND RW FACILITIES	21.0%	\$1,008	\$1,596
	5757	PA51 "B" ST FROM SOCIABLE TO IRVINE BLV 16" ZN C	87.4%	\$25,783	\$29,279
	5788	PA51 ALTON PKWY SS RELOCATION 12" AND 18"	100.0%	\$222,300	\$270,600
	5818	PA51 ALTON, TECHNOLOGY TO MUIRLANDS 16" RW	87.4%	\$92,207	\$105,230
	5817	PA51 ALTON, TECHNOLOGY TO MUIRLANDS SS RELOCATION	100.0%	\$412,000	\$443,000
	6306	PA51 BENCHMARK, BOSQUE TO 550'E/O BOSQUE 6" ZC	100.0%	\$25,700	\$31,500
	4646	PA51 C ST FROM LQ ST TO O ST RW	100.0%	\$6,800	\$6,800
	5016	PA51 C ST FROM LV ST TO TRABUCO SEWER	100.0%	\$9,000	\$9,000
	4653	PA51 C ST FROM TRABUCO RD TO LQ ST SEWER	100.0%	\$9,100	\$9,100
	5758	PA51 CADENCE - PUSAN TO CHINON 12" & 16"	87.4%	\$63,278	\$71,406
	6684	PA51 GP BENCHMARK AND MODJESKA (DISTRICT 4) 10"/6"	99.6%	\$562,740	\$677,479
	6553	PA51 GP BENCHMARK AND PERSPECTIVE 16" SS	100.0%	\$126,700	\$152,900
	6554	PA51 GP BENCHMARK AND PERSPECTIVE 6" RW ZC	99.6%	\$67,230	\$80,875
	6331	PA51 GP CULTIVATE (BOSQUE TO 500 E/O BOSQUE) 16"	100.0%	\$7,900	\$7,900
	6823	PA51 GP EPISODE (FROM FRAME TO PUSAN) 16" RW ZC	99.6%	\$208,861	\$251,390
	6514	PA51 GP GP-1 ST (MARINE TO GP-2 ST) 10" RW	87.4%	\$293,227	\$353,795
	6747	PA51 GP IRVINE BLVD (AT MERIT) 6" RW ZC	99.6%	\$18,028	\$23,306
	6732	PA51 GP MAGNET (FROM RIDGE V. TO BOSQUE) 6" RW ZB	87.4%	\$83,205	\$98,937
	6535	PA51 GP PUSAN (EPISODE TO IRVINE BLVD) 12" RW ZC	99.6%	\$55,079	\$66,533
	6595	PA51 GP TERRAPIN (TRABUCO TO CADENCE) 6" RW ZB	99.6%	\$81,772	\$98,704
	6513	PA51 GP-1 ST (MARINE TO GP-2 ST) 12" SS	100.0%	\$595,300	\$720,100
	6538	PA51 GP-2 ST (BOSQUE TO GP1 ST) 10" RW	87.4%	\$578,501	\$687,576
	6537	PA51 GP-2 ST (BOSQUE TO GP1 ST) 12" SS	100.0%	\$199,500	\$241,100
	7022	PA51 GREAT PARK GP-2 (FROM GP-3 TO BOSQUE) 12"RWZC	99.6%	\$132,269	\$163,444
	6017	PA51 IRVINE BLVD, LAMBERT TO Z ST 16" SS	22.9%	\$17,106	\$20,931

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
212 ET					
	6018	PA51 IRVINE BLVD, LAMBERT TO Z ST 20" RW	99.6%	\$962,634	\$1,100,779
	4621	PA51 LN ST FROM C ST TO LY ST RW	100.0%	\$2,300	\$2,300
	5536	PA51 LQ ST FROM BOSQUE TO Z ST 12" RW	87.4%	\$102,782	\$124,458
	5535	PA51 LQ ST FROM BOSQUE TO Z ST 12" SEWER	100.0%	\$653,400	\$746,400
	4649	PA51 LQ ST FROM O ST TO LY ST RW	100.0%	\$1,900	\$1,900
	4648	PA51 LQ ST FROM O ST TO LY ST SEWER	100.0%	\$5,800	\$5,800
	4825	PA51 LV ST FROM RIDGE VALLEY TO LY ST 12" RW	100.0%	\$8,100	\$8,100
	4824	PA51 LV ST FROM RIDGE VALLEY TO LY ST 18" SEWER	100.0%	\$7,700	\$7,700
	4652	PA51 LY ST FROM LQ ST TO IRVINE BLVD RW	100.0%	\$27,800	\$27,800
	4651	PA51 LY ST FROM LQ ST TO IRVINE BLVD SEWER	100.0%	\$55,900	\$55,900
	4647	PA51 LY ST FROM TRABUCO RD TO LQ ST RW	100.0%	\$5,600	\$5,600
	4147	PA51 MARINE WAY RW ZNB	87.4%	\$24,122	\$26,832
	6087	PA51 MARINE WAY, ALTON TO BARRANCA 16" RW ZN B	87.4%	\$11,712	\$11,712
	6048	PA51 MARINE WAY, ALTON TO BARRANCA 18" SS	100.0%	\$59,200	\$59,200
	6209	PA51 MARINE WAY: SR133 TO RIDGE VALLEY 6" ZONE B	100.0%	\$40,300	\$50,500
	4614	PA51 REACH A SEWER IMPROVEMENTS	67.0%	\$428,733	\$455,131
	4278	PA51 RIDGE VALLEY, MARINE WAY TO TRABUCO - RW	100.0%	\$14,600	\$14,600
	4267	PA51 RIDGE VALLEY, MARINE WAY TO TRABUCO - SEWER	100.0%	\$41,500	\$41,500
	4264	PA51 RIDGE VALLEY, TRABUCO TO IRVINE BLVD - RW	100.0%	\$4,300	\$4,300
	4263	PA51 RIDGE VALLEY, TRABUCO TO IRVINE BLVD - SS	100.0%	\$10,100	\$10,100
	3983	PA51 TRABUCO RD, SR133 TO LY ST RW	100.0%	\$8,500	\$8,500
	3980	PA51 TRABUCO RD, SR133 TO LY ST SEWER	100.0%	\$2,500	\$2,500
	4514	PA5B PHASE 1A AND 1B 36" RW	10.7%	\$8,560	\$8,560
	4985	PETERS CANYON WATER CAPTURE AND REUSE PIPELINE	3.4%	\$14,433	\$14,770
	7083	POTABLE REUSE ALTERNATIVES ANALYSIS SEWER	3.4%	\$3,740	\$4,685

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
212 ET					
	6243	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 16/17	10.7%	\$87,687	\$109,472
	3779	SALT MANAGEMENT PLAN DEVELOPMENT	10.7%	\$1,445	\$1,605
	1813	SANTIAGO DAM & OUTLET TWR SEISMIC STABILITY	10.7%	\$24,535	\$28,473
	5412	SCSMP UPDATE AND LONG-TERM FLOW MONITORING	3.4%	\$4,393	\$5,800
	5186	SJM SLS UPGRADE	3.4%	\$41	\$105
	5154	SJR SEISMIC EVALUATION (DSOD)	10.7%	\$75	\$182
	3808	SYPHON RESERVOIR EXPANSION	10.7%	\$8,774	\$12,562
	1015	TECHNOLOGY DR AND LAGUNA CANYON RD RW ZONE B	21.0%	\$294,987	\$312,459
	7141	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	10.7%	\$32,378	\$43,324
	5427	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	3.4%	\$20,866	\$27,883
	5432	WRMP UPDATE RW	10.7%	\$4,708	\$8,667
				\$11,925,814	\$13,310,410
213 TU					
	6479	400/450 SPECTRUM CENTER DR 36" SS RELOCATION	3.4%	\$11,900	\$13,369
	5429	CAPITAL PLANNING SUPPORT 16/17 RW	4.1%	\$9,922	\$17,507
	5430	CAPITAL PLANNING SUPPORT 16/17 SEWER	3.4%	\$8,228	\$14,518
	6161	CENTRALIZED CONTROL ROOM AT MWRP	3.4%	\$61	\$150
	3567	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	3.4%	\$28,319	\$35,435
	5480	GEN SYS MODS-RW 16/17	4.1%	\$4,174	\$5,088
	7176	GENERAL PLANT REGIONAL 16/17 RW	4.1%	\$11,697	\$11,697
	7175	GENERAL PLANT REGIONAL 16/17 SEWER	3.4%	\$9,935	\$9,935
	6203	GIS SUPPORT APPLICATIONS 16/17 - RECYCLED	4.1%	\$2,460	\$3,862
	6204	GIS SUPPORT APPLICATIONS 16/17 - SEWER	3.4%	\$2,040	\$3,203
	5823	ILP NORTH CONVERSION - PIPELINES	1.0%	\$66,180	\$68,333
	5407	ILP NORTH CONVERSION - RESERVOIR	0.1%	\$7,044	\$7,138

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
213 TU					
	1152	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	3.4%	\$190	\$190
	4397	LAWRP SYSTEM UPGRADES	3.4%	\$197	\$296
	7096	METER AND VAULT FOR OSO RESERVOIR	4.1%	\$103	\$262
	4286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES	1.5%	\$683,613	\$701,700
	7158	NON-POTABLE WATER STUDIES 16/17	4.1%	\$2,460	\$3,219
	7156	NTS INSTRUMENTATION	4.1%	\$6,777	\$9,057
	1554	OCS D CORF 15/16	0.9%	\$11,165	\$11,165
	1561	OCS D CORF 16/17	0.9%	\$42,806	\$42,806
	1516	OCS D EQUITY 15/16	3.4%	\$77,962	\$77,962
	1530	OCS D EQUITY 16/17	3.4%	\$268,841	\$268,841
	7070	OCS D SJHPC/ GRS	3.4%	\$27,156	\$27,156
	1429	OCS D SOLIDS HANDLING 16/17	1.5%	\$20,865	\$20,865
	7137	OPA ZONE C+ PIPELINES	4.1%	\$38,274	\$41,299
	6167	OPS CENTER PERMANENT GENERATOR	3.4%	\$18,190	\$20,393
	5168	PA18S HIDDEN CANYON 36" RW PIPELINE	4.1%	\$2,407	\$2,407
	4514	PA5B PHASE 1A AND 1B 36" RW	4.1%	\$3,280	\$3,280
	4985	PETERS CANYON WATER CAPTURE AND REUSE PIPELINE	3.4%	\$14,433	\$14,770
	7083	POTABLE REUSE ALTERNATIVES ANALYSIS SEWER	3.4%	\$3,740	\$4,685
	6243	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 16/17	4.1%	\$33,600	\$41,947
	3779	SALT MANAGEMENT PLAN DEVELOPMENT	4.1%	\$554	\$615
	1813	SANTIAGO DAM & OUTLET TWR SEISMIC STABILITY	4.1%	\$9,401	\$10,910
	5412	SCSMP UPDATE AND LONG-TERM FLOW MONITORING	3.4%	\$4,393	\$5,800
	5186	SJM SLS UPGRADE	3.4%	\$41	\$105
	5154	SJR SEISMIC EVALUATION (DSOD)	4.1%	\$29	\$70
	3808	SYPHON RESERVOIR EXPANSION	4.1%	\$3,362	\$4,813

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
213 TU					
	1101	TUSTIN LEGACY MASTER RW FACILITIES	100.0%	\$157,000	\$233,700
	1062	TUSTIN LEGACY MASTER SEWER FACILITIES	100.0%	\$120,000	\$165,700
	6766	TUSTIN LEGACY MOFFETT DR (AT PETERS CYN) 16" RW ZA	100.0%	\$176,200	\$212,100
	6110	TUSTIN LEGACY PARK AVE & MOFFETT DR 16" & 15" SS	100.0%	\$330,800	\$367,900
	6111	TUSTIN LEGACY PARK AVE & MOFFETT DR 16" & 6" RW	100.0%	\$227,800	\$249,700
	6010	TUSTIN LEGACY PARK AVE FROM JAMBOREE TO VICTORY SS	100.0%	\$18,400	\$21,500
	4368	TUSTIN LEGACY TUSTIN RANCH, BARRANCA, ARMSTRONG RW	100.0%	\$15,400	\$15,400
	4511	TUSTIN LEGACY WARNER - LEGACY TO TUSTIN RANCH RW	100.0%	\$4,500	\$4,500
	4989	TUSTIN LEGACY WARNER FROM ARMSTRONG TO LEGACY RW	100.0%	\$7,700	\$7,700
	5427	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	3.4%	\$20,866	\$27,883
	7141	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	4.1%	\$12,407	\$16,601
	5432	WRMP UPDATE RW	4.1%	\$1,804	\$3,321
				\$2,528,674	\$2,830,854
225-DevID_Potable					
	6479	400/450 SPECTRUM CENTER DR 36" SS RELOCATION	48.5%	\$169,750	\$190,702
	5429	CAPITAL PLANNING SUPPORT 16/17 RW	51.0%	\$123,420	\$217,770
	5430	CAPITAL PLANNING SUPPORT 16/17 SEWER	48.5%	\$117,370	\$207,095
	6161	CENTRALIZED CONTROL ROOM AT MWRP	48.5%	\$873	\$2,134
	3567	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	48.5%	\$403,957	\$505,467
	5480	GEN SYS MODS-RW 16/17	51.0%	\$51,918	\$63,291
	7176	GENERAL PLANT REGIONAL 16/17 RW	51.0%	\$145,503	\$145,503
	7175	GENERAL PLANT REGIONAL 16/17 SEWER	48.5%	\$141,717	\$141,717
	6203	GIS SUPPORT APPLICATIONS 16/17 - RECYCLED	51.0%	\$30,600	\$48,042
	6204	GIS SUPPORT APPLICATIONS 16/17 - SEWER	48.5%	\$29,100	\$45,687
	6198	IIC ZONE B BPS UPGRADES	23.1%	\$56,549	\$60,961

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
225-DevID_Potable					
	5823	ILP NORTH CONVERSION - PIPELINES	46.3%	\$3,064,134	\$3,163,818
	5407	ILP NORTH CONVERSION - RESERVOIR	16.8%	\$1,183,409	\$1,199,201
	1152	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	48.5%	\$2,716	\$2,716
	4397	LAWRP SYSTEM UPGRADES	48.5%	\$2,813	\$4,220
	7096	METER AND VAULT FOR OSO RESERVOIR	51.0%	\$1,275	\$3,264
	4286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES	27.7%	\$12,624,053	\$12,958,060
	7158	NON-POTABLE WATER STUDIES 16/17	51.0%	\$30,600	\$40,035
	6216	NORTHWOOD ZONE B BPS DEMOLITION	23.1%	\$1,271	\$3,419
	7156	NTS INSTRUMENTATION	51.0%	\$84,303	\$112,659
	1554	OCS D CORF 15/16	13.2%	\$159,270	\$159,270
	1561	OCS D CORF 16/17	13.2%	\$610,612	\$610,612
	1516	OCS D EQUITY 15/16	48.5%	\$1,112,105	\$1,112,105
	1530	OCS D EQUITY 16/17	48.5%	\$3,834,944	\$3,834,944
	7070	OCS D SJHPC/ GRS	48.5%	\$387,370	\$387,370
	1429	OCS D SOLIDS HANDLING 16/17	27.7%	\$385,307	\$385,307
	7137	OPA ZONE C+ PIPELINES	51.0%	\$476,085	\$513,723
	6167	OPS CENTER PERMANENT GENERATOR	48.5%	\$259,475	\$290,903
	5168	PA18S HIDDEN CANYON 36" RW PIPELINE	51.0%	\$29,937	\$29,937
	4514	PA5B PHASE 1A AND 1B 36" RW	51.0%	\$40,800	\$40,800
	4985	PETERS CANYON WATER CAPTURE AND REUSE PIPELINE	48.5%	\$205,883	\$210,684
	7083	POTABLE REUSE ALTERNATIVES ANALYSIS SEWER	48.5%	\$53,350	\$66,833
	6243	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 16/17	51.0%	\$417,945	\$521,781
	3779	SALT MANAGEMENT PLAN DEVELOPMENT	51.0%	\$6,885	\$7,650
	1813	SANTIAGO DAM & OUTLET TWR SEISMIC STABILITY	51.0%	\$116,943	\$135,711
	5412	SCSMP UPDATE AND LONG-TERM FLOW MONITORING	48.5%	\$62,662	\$82,741

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
225-DevID_Potable					
	5186	SJM SLS UPGRADE	48.5%	\$582	\$1,504
	5154	SJR SEISMIC EVALUATION (DSOD)	51.0%	\$357	\$867
	3808	SYPHON RESERVOIR EXPANSION	51.0%	\$41,820	\$59,874
	7141	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	51.0%	\$154,326	\$206,499
	5427	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	48.5%	\$297,645	\$397,749
	5432	WRMP UPDATE RW	51.0%	\$22,440	\$41,310
				\$26,942,071	\$28,213,932
240					
	5429	CAPITAL PLANNING SUPPORT 16/17 RW	7.7%	\$18,634	\$32,879
	5480	GEN SYS MODS-RW 16/17	7.7%	\$7,839	\$9,556
	7176	GENERAL PLANT REGIONAL 16/17 RW	7.7%	\$21,968	\$21,968
	6203	GIS SUPPORT APPLICATIONS 16/17 - RECYCLED	7.7%	\$4,620	\$7,253
	5823	ILP NORTH CONVERSION - PIPELINES	1.8%	\$119,124	\$122,999
	5407	ILP NORTH CONVERSION - RESERVOIR	0.3%	\$21,132	\$21,414
	7096	METER AND VAULT FOR OSO RESERVOIR	7.7%	\$193	\$493
	6400	NEWPORT COAST SLS IMPROVEMENTS	100.0%	\$1,523,400	\$1,610,700
	7158	NON-POTABLE WATER STUDIES 16/17	7.7%	\$4,620	\$6,045
	7156	NTS INSTRUMENTATION	7.7%	\$12,728	\$17,009
	7137	OPA ZONE C+ PIPELINES	7.7%	\$71,880	\$77,562
	5168	PA18S HIDDEN CANYON 36" RW PIPELINE	7.7%	\$4,520	\$4,520
	4514	PA5B PHASE 1A AND 1B 36" RW	7.7%	\$6,160	\$6,160
	6243	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 16/17	7.7%	\$63,102	\$78,779
	3779	SALT MANAGEMENT PLAN DEVELOPMENT	7.7%	\$1,040	\$1,155
	1813	SANTIAGO DAM & OUTLET TWR SEISMIC STABILITY	7.7%	\$17,656	\$20,490
	5154	SJR SEISMIC EVALUATION (DSOD)	7.7%	\$54	\$131

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
240					
	3808	SYPHON RESERVOIR EXPANSION	7.7%	\$6,314	\$9,040
	7141	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	7.7%	\$23,300	\$31,177
	5432	WRMP UPDATE RW	7.7%	\$3,388	\$6,237
				\$1,931,670	\$2,085,567
253-FutDevID_Sewer					
	6479	400/450 SPECTRUM CENTER DR 36" SS RELOCATION	9.7%	\$33,950	\$38,140
	5429	CAPITAL PLANNING SUPPORT 16/17 RW	10.4%	\$25,168	\$44,408
	5430	CAPITAL PLANNING SUPPORT 16/17 SEWER	9.7%	\$23,474	\$41,419
	6161	CENTRALIZED CONTROL ROOM AT MWRP	9.7%	\$175	\$427
	3567	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	9.7%	\$80,791	\$101,093
	5480	GEN SYS MODS-RW 16/17	10.4%	\$10,587	\$12,906
	7176	GENERAL PLANT REGIONAL 16/17 RW	10.4%	\$29,671	\$29,671
	7175	GENERAL PLANT REGIONAL 16/17 SEWER	9.7%	\$28,343	\$28,343
	6203	GIS SUPPORT APPLICATIONS 16/17 - RECYCLED	10.4%	\$6,240	\$9,797
	6204	GIS SUPPORT APPLICATIONS 16/17 - SEWER	9.7%	\$5,820	\$9,137
	6850	IBC SIDEWALK IMP & APPURTENANCE RELOCATIONS	40.0%	\$12,600	\$13,760
	6198	IIC ZONE B BPS UPGRADES	22.7%	\$55,570	\$59,905
	5823	ILP NORTH CONVERSION - PIPELINES	46.0%	\$3,044,280	\$3,143,318
	5407	ILP NORTH CONVERSION - RESERVOIR	42.3%	\$2,979,654	\$3,019,416
	1152	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	9.7%	\$543	\$543
	4397	LAWRP SYSTEM UPGRADES	9.7%	\$563	\$844
	7096	METER AND VAULT FOR OSO RESERVOIR	10.4%	\$260	\$666
	4457	MULTI-ZONE BPS - ZONE A-B	38.1%	\$184,099	\$238,658
	4400	MULTI-ZONE BPS - ZONE A-C	44.0%	\$209,924	\$276,760
	4286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES	4.1%	\$1,868,542	\$1,917,980

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
253-FutDevID_Sewer					
	7158	NON-POTABLE WATER STUDIES 16/17	10.4%	\$6,240	\$8,164
	6216	NORTHWOOD ZONE B BPS DEMOLITION	22.7%	\$1,249	\$3,360
	7156	NTS INSTRUMENTATION	10.4%	\$17,191	\$22,974
	1554	OCS D CORF 15/16	2.6%	\$31,526	\$31,526
	1561	OCS D CORF 16/17	2.6%	\$120,863	\$120,863
	1516	OCS D EQUITY 15/16	9.7%	\$222,421	\$222,421
	1530	OCS D EQUITY 16/17	9.7%	\$766,989	\$766,989
	7070	OCS D SJHPC/ GRS	9.7%	\$77,474	\$77,474
	1429	OCS D SOLIDS HANDLING 16/17	4.1%	\$57,031	\$57,031
	7137	OPA ZONE C+ PIPELINES	10.4%	\$97,084	\$104,759
	6167	OPS CENTER PERMANENT GENERATOR	9.7%	\$51,895	\$58,181
	6915	PA 6 NBHD 5A 6" AND 8" RECYCLED WATER MAIN ZONE D	100.0%	\$235,100	\$282,500
	7017	PA1 NHB3 ORCHARD HILLS 6"8" RW ZC+	100.0%	\$150,100	\$185,200
	7013	PA1 NHB3 ORCHARD HILLS 6"8"10"12" RW ZC	100.0%	\$271,900	\$332,600
	4990	PA1 ORCHARD HILLS NEIGHBORHOOD 2, 6" ZNC RW	100.0%	\$2,900	\$2,900
	1716	PA1 ORCHARD HILLS NEIGHBORHOOD 3	100.0%	\$34,100	\$52,700
	1722	PA1 ORCHARD HILLS NEIGHBORHOOD 4	100.0%	\$74,200	\$139,000
	4717	PA1 ORCHARD HILLS NH 2 - 6" ZNB & 6" ZNC RW	100.0%	\$5,600	\$5,600
	5919	PA1 ORCHARD HILLS, NEIGHBORHOOD 1, 16" ZC 6" ZC+	100.0%	\$259,300	\$327,700
	5168	PA18S HIDDEN CANYON 36" RW PIPELINE	10.4%	\$6,105	\$6,105
	4681	PA18S HIDDEN CANYON 6" & 8" RW	100.0%	\$7,300	\$7,300
	3735	PA39 PH2 RW FACILITIES	100.0%	\$88,600	\$107,100
	1056	PA39 PHASE 1 RW PIPELINES	100.0%	\$200	\$200
	6056	PA40 8TH ST RIDGE VALLEY TO C ST CAPITAL 6" RW	100.0%	\$18,700	\$22,600
	4528	PA40 NEIGHBORHOOD 2G BACKBONE RW FACILITIES	100.0%	\$200	\$200

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
253-FutDevID_Sewer					
	4318	PA40 PH3B RW CAPITAL FACILITIES	100.0%	\$200	\$200
	3734	PA40 TRAVELAND RW FACILITIES	79.0%	\$3,792	\$6,004
	5757	PA51 "B" ST FROM SOCIABLE TO IRVINE BLV 16" ZN C	12.6%	\$3,717	\$4,221
	5818	PA51 ALTON, TECHNOLOGY TO MUIRLANDS 16" RW	12.6%	\$13,293	\$15,170
	5758	PA51 CADENCE - PUSAN TO CHINON 12" & 16"	12.6%	\$9,122	\$10,294
	6684	PA51 GP BENCHMARK AND MODJESKA (DISTRICT 4) 10"/6"	0.4%	\$2,260	\$2,721
	6554	PA51 GP BENCHMARK AND PERSPECTIVE 6" RW ZC	0.4%	\$270	\$325
	6823	PA51 GP EPISODE (FROM FRAME TO PUSAN) 16" RW ZC	0.4%	\$839	\$1,010
	6514	PA51 GP GP-1 ST (MARINE TO GP-2 ST) 10" RW	12.6%	\$42,273	\$51,005
	6747	PA51 GP IRVINE BLVD (AT MERIT) 6" RW ZC	0.4%	\$72	\$94
	6732	PA51 GP MAGNET (FROM RIDGE V. TO BOSQUE) 6" RW ZB	12.6%	\$11,995	\$14,263
	6535	PA51 GP PUSAN (EPISODE TO IRVINE BLVD) 12" RW ZC	0.4%	\$221	\$267
	6595	PA51 GP TERRAPIN (TRABUCO TO CADENCE) 6" RW ZB	0.4%	\$328	\$396
	6538	PA51 GP-2 ST (BOSQUE TO GP1 ST) 10" RW	12.6%	\$83,399	\$99,124
	7022	PA51 GREAT PARK GP-2 (FROM GP-3 TO BOSQUE) 12"RWZC	0.4%	\$531	\$656
	6017	PA51 IRVINE BLVD, LAMBERT TO Z ST 16" SS	77.1%	\$57,594	\$70,469
	6018	PA51 IRVINE BLVD, LAMBERT TO Z ST 20" RW	0.4%	\$3,866	\$4,421
	5536	PA51 LQ ST FROM BOSQUE TO Z ST 12" RW	12.6%	\$14,818	\$17,942
	4147	PA51 MARINE WAY RW ZNB	12.6%	\$3,478	\$3,868
	6087	PA51 MARINE WAY, ALTON TO BARRANCA 16" RW ZN B	12.6%	\$1,688	\$1,688
	6476	PA51 MARINE WAY. RIDGE VALLEY TO 3000' EAST	100.0%	\$181,100	\$213,700
	4614	PA51 REACH A SEWER IMPROVEMENTS	33.0%	\$211,167	\$224,169
	4515	PA5B IRVINE BLVD 8" ZONE B RW	100.0%	\$5,200	\$5,200
	4514	PA5B PHASE 1A AND 1B 36" RW	10.4%	\$8,320	\$8,320
	4513	PA5B PHASE 1A AND 1B 6" & 8" RW	100.0%	\$14,300	\$16,300

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
253-FutDevID_Sewer					
	4753	PA5B PHASE 2 6" RW	100.0%	\$2,600	\$2,600
	5763	PA6 NEIGHBORHOOD 5A RW ZONE D	100.0%	\$6,600	\$7,600
	4557	PA6 PHASE 1 NEIGHBORHOOD 3 ZONE C RW	100.0%	\$11,900	\$11,900
	1308	PA6 RW PIPELINES	100.0%	\$486,100	\$535,600
	1762	PA9B PHASE 5 GATEWAY PARK RW PIPES	100.0%	\$7,600	\$11,400
	4985	PETERS CANYON WATER CAPTURE AND REUSE PIPELINE	9.7%	\$41,177	\$42,137
	7083	POTABLE REUSE ALTERNATIVES ANALYSIS SEWER	9.7%	\$10,670	\$13,367
	6243	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 16/17	10.4%	\$85,228	\$106,402
	3779	SALT MANAGEMENT PLAN DEVELOPMENT	10.4%	\$1,404	\$1,560
	1813	SANTIAGO DAM & OUTLET TWR SEISMIC STABILITY	10.4%	\$23,847	\$27,674
	7139	SANTIAGO HILLS II RECYCLED WATER BPS	100.0%	\$275,700	\$323,400
	5412	SCSMP UPDATE AND LONG-TERM FLOW MONITORING	9.7%	\$12,532	\$16,548
	5186	SJM SLS UPGRADE	9.7%	\$116	\$301
	5154	SJR SEISMIC EVALUATION (DSOD)	10.4%	\$73	\$177
	3808	SYPHON RESERVOIR EXPANSION	10.4%	\$8,528	\$12,210
	1015	TECHNOLOGY DR AND LAGUNA CANYON RD RW ZONE B	79.0%	\$1,109,713	\$1,175,441
	5427	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	9.7%	\$59,529	\$79,550
	7141	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	10.4%	\$31,470	\$42,110
	5432	WRMP UPDATE RW	10.4%	\$4,576	\$8,424
				\$14,057,730	\$15,122,868
256					
	6479	400/450 SPECTRUM CENTER DR 36" SS RELOCATION	0.3%	\$1,050	\$1,180
	5430	CAPITAL PLANNING SUPPORT 16/17 SEWER	0.3%	\$726	\$1,281
	6161	CENTRALIZED CONTROL ROOM AT MWRP	0.3%	\$5	\$13
	3567	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	0.3%	\$2,499	\$3,127

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
256					
	7175	GENERAL PLANT REGIONAL 16/17 SEWER	0.3%	\$877	\$877
	6204	GIS SUPPORT APPLICATIONS 16/17 - SEWER	0.3%	\$180	\$283
	1152	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	0.3%	\$17	\$17
	4397	LAWRP SYSTEM UPGRADES	0.3%	\$17	\$26
	4286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES	0.1%	\$45,574	\$46,780
	1554	OCSO CORF 15/16	0.1%	\$985	\$985
	1561	OCSO CORF 16/17	0.1%	\$3,777	\$3,777
	1516	OCSO EQUITY 15/16	0.3%	\$6,879	\$6,879
	1530	OCSO EQUITY 16/17	0.3%	\$23,721	\$23,721
	7070	OCSO SJHPC/ GRS	0.3%	\$2,396	\$2,396
	1429	OCSO SOLIDS HANDLING 16/17	0.1%	\$1,391	\$1,391
	6167	OPS CENTER PERMANENT GENERATOR	0.3%	\$1,605	\$1,799
	4985	PETERS CANYON WATER CAPTURE AND REUSE PIPELINE	0.3%	\$1,274	\$1,303
	7083	POTABLE REUSE ALTERNATIVES ANALYSIS SEWER	0.3%	\$330	\$413
	5412	SCSMP UPDATE AND LONG-TERM FLOW MONITORING	0.3%	\$388	\$512
	5186	SJM SLS UPGRADE	0.3%	\$4	\$9
	5427	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	0.3%	\$1,841	\$2,460
				\$95,535	\$99,229
285-LF_OSA_Sewer					
	6479	400/450 SPECTRUM CENTER DR 36" SS RELOCATION	1.3%	\$4,550	\$5,112
	5429	CAPITAL PLANNING SUPPORT 16/17 RW	1.5%	\$3,630	\$6,405
	5430	CAPITAL PLANNING SUPPORT 16/17 SEWER	1.3%	\$3,146	\$5,551
	6161	CENTRALIZED CONTROL ROOM AT MWRP	1.3%	\$23	\$57
	3567	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	1.3%	\$10,828	\$13,549
	5480	GEN SYS MODS-RW 16/17	1.5%	\$1,527	\$1,862

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
285-LF_OSA_Ssewer					
	7176	GENERAL PLANT REGIONAL 16/17 RW	1.5%	\$4,280	\$4,280
	7175	GENERAL PLANT REGIONAL 16/17 SEWER	1.3%	\$3,799	\$3,799
	6203	GIS SUPPORT APPLICATIONS 16/17 - RECYCLED	1.5%	\$900	\$1,413
	6204	GIS SUPPORT APPLICATIONS 16/17 - SEWER	1.3%	\$780	\$1,225
	5823	ILP NORTH CONVERSION - PIPELINES	0.3%	\$19,854	\$20,500
	5407	ILP NORTH CONVERSION - RESERVOIR	0.1%	\$7,044	\$7,138
	1152	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	1.3%	\$73	\$73
	7094	LAKE FOREST ZN A RESERVOIR DEMOLITION	100.0%	\$160,600	\$188,500
	4397	LAWRP SYSTEM UPGRADES	1.3%	\$75	\$113
	7096	METER AND VAULT FOR OSO RESERVOIR	1.5%	\$38	\$96
	4286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES	0.6%	\$273,445	\$280,680
	7158	NON-POTABLE WATER STUDIES 16/17	1.5%	\$900	\$1,178
	7156	NTS INSTRUMENTATION	1.5%	\$2,480	\$3,314
	1554	OCSO CORF 15/16	0.4%	\$4,269	\$4,269
	1561	OCSO CORF 16/17	0.4%	\$16,367	\$16,367
	1516	OCSO EQUITY 15/16	1.3%	\$29,809	\$29,809
	1530	OCSO EQUITY 16/17	1.3%	\$102,792	\$102,792
	7070	OCSO SJHPC/ GRS	1.3%	\$10,383	\$10,383
	1429	OCSO SOLIDS HANDLING 16/17	0.6%	\$8,346	\$8,346
	7137	OPA ZONE C+ PIPELINES	1.5%	\$14,003	\$15,110
	6167	OPS CENTER PERMANENT GENERATOR	1.3%	\$6,955	\$7,797
	5168	PA18S HIDDEN CANYON 36" RW PIPELINE	1.5%	\$881	\$881
	4514	PA5B PHASE 1A AND 1B 36" RW	1.5%	\$1,200	\$1,200
	4985	PETERS CANYON WATER CAPTURE AND REUSE PIPELINE	1.3%	\$5,519	\$5,647
	7083	POTABLE REUSE ALTERNATIVES ANALYSIS SEWER	1.3%	\$1,430	\$1,791

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
285-LF_OSA_Ssewer					
	6470	RANCHO PARKWAY ZONE C RECYCLED WATER PIPELINE	100.0%	\$144,600	\$157,400
	6243	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 16/17	1.5%	\$12,293	\$15,347
	3779	SALT MANAGEMENT PLAN DEVELOPMENT	1.5%	\$203	\$225
	1813	SANTIAGO DAM & OUTLET TWR SEISMIC STABILITY	1.5%	\$3,440	\$3,992
	5412	SCSMP UPDATE AND LONG-TERM FLOW MONITORING	1.3%	\$1,680	\$2,218
	7134	SERRANO SUMMIT RW IMPROVEMENTS	100.0%	\$68,900	\$137,700
	7135	SERRANO SUMMIT SEWER IMPROVEMENTS	100.0%	\$62,600	\$130,200
	5186	SJM SLS UPGRADE	1.3%	\$16	\$40
	5154	SJR SEISMIC EVALUATION (DSOD)	1.5%	\$11	\$26
	3808	SYPHON RESERVOIR EXPANSION	1.5%	\$1,230	\$1,761
	7141	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	1.5%	\$4,539	\$6,074
	5427	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	1.3%	\$7,978	\$10,661
	5432	WRMP UPDATE RW	1.5%	\$660	\$1,215
				\$1,008,071	\$1,216,091
288					
	6479	400/450 SPECTRUM CENTER DR 36" SS RELOCATION	0.3%	\$1,050	\$1,180
	5430	CAPITAL PLANNING SUPPORT 16/17 SEWER	0.3%	\$726	\$1,281
	6161	CENTRALIZED CONTROL ROOM AT MWRP	0.3%	\$5	\$13
	3567	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENTATION	0.3%	\$2,499	\$3,127
	7175	GENERAL PLANT REGIONAL 16/17 SEWER	0.3%	\$877	\$877
	6204	GIS SUPPORT APPLICATIONS 16/17 - SEWER	0.3%	\$180	\$283
	1152	IRWD PIPELINES RELOCATION FOR SC GRADE SEPARATION	0.3%	\$17	\$17
	4397	LAWRP SYSTEM UPGRADES	0.3%	\$17	\$26
	4286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES	0.1%	\$45,574	\$46,780
	1554	OCSO CORF 15/16	0.1%	\$985	\$985

ID	Project No.	Project Title	Alloc	FY Direct	FY Direct+GA
288					
	1561	OCSD CORF 16/17	0.1%	\$3,777	\$3,777
	1516	OCSD EQUITY 15/16	0.3%	\$6,879	\$6,879
	1530	OCSD EQUITY 16/17	0.3%	\$23,721	\$23,721
	7070	OCSD SJHPC/ GRS	0.3%	\$2,396	\$2,396
	1429	OCSD SOLIDS HANDLING 16/17	0.1%	\$1,391	\$1,391
	6167	OPS CENTER PERMANENT GENERATOR	0.3%	\$1,605	\$1,799
	4985	PETERS CANYON WATER CAPTURE AND REUSE PIPELINE	0.3%	\$1,274	\$1,303
	7083	POTABLE REUSE ALTERNATIVES ANALYSIS SEWER	0.3%	\$330	\$413
	5412	SCSMP UPDATE AND LONG-TERM FLOW MONITORING	0.3%	\$388	\$512
	5186	SJM SLS UPGRADE	0.3%	\$4	\$9
	5427	WATER RECYCLING TREATMENT PLANT MASTER PLAN UPDATE	0.3%	\$1,841	\$2,460
				\$95,535	\$99,229
				\$160,176,713	\$171,207,813



CONSOLIDATED

GENERAL PLANT BUDGET

TASK		Item Description	Quantity	Price	Proposed 2016-17
Department:		INFORMATION SERVICES			
250	8030.250.1	Tablet Device (i.e. iPad, SurfacePro, etc.) With Protective Case	6	\$ 1,000	\$ 6,000
250	8031.250.1	Network Disk Storage Expansion and Replacement	1	30,000	30,000
250	8031.250.10	Audio Visual Equipment Replacement - Sand Canyon Board Room	1	37,500	37,500
250	8031.250.12	Audio Visual Equipment Replacement -Sand Canyon Conference Room B	1	4,800	4,800
250	8031.250.13	Audio Visual Equipment - Sand Canyon Calcutta Conference Room	1	4,800	4,800
250	8031.250.14	Audio Visual Equipment - OPS Center Windmill Conference Room	1	6,400	6,400
250	8031.250.2	Network Equipment Replacement	1	271,500	271,500
250	8031.250.3	Service Desk Software Licenses and Implementation	1	40,000	40,000
250	8031.250.4	Server Application Monitoring Software	1	3,000	3,000
250	8031.250.5	Electrical Analysis Software	1	16,500	16,500
250	8031.250.6	Debt and Investment Management Software	1	65,000	65,000
250	8031.250.7	Invoice Scanning and Capture System Replacement	1	48,000	48,000
250	8031.250.8	Audio Visual Equipment Replacement -Sand Canyon Committee Conference Room	1	6,000	6,000
250	8031.250.9	Audio Visual Equipment Replacement -Duck Club/ Adventure Room/ Discovery Room	1	10,200	10,200
250	8041.250.1	PC Purchases	74	1,284	95,000
250	8041.250.2	Laptop Computer Replacement	11	2,182	24,000
250	8041.250.3	Tablet Computer Replacement	13	2,154	28,000
Sub-Total					\$ 696,700
Department:		NTS OPERATIONS			
515	8036.515.1	Solar Mixer	1	\$ 26,000	\$ 26,000
515	8036.515.2	Composite Water Quality Sampler	1	7,500	7,500
515	8036.515.3	Composite Water Quality Sampler	1	7,500	7,500
515	8036.515.4	Composite Water Quality Sampler	1	7,500	7,500
515	8036.515.5	Composite Water Quality Sampler	1	7,500	7,500
515	8036.870.1	Electric Utility Vehicle	1	24,000	24,000
Sub-Total					\$ 80,000
Department:		COLLECTION SYSTEMS			
570	8036.870.2	6" Solids Handling Pump	1	\$ 33,200	\$ 33,200
570	8036.870.5	4" Solids Handling Pump	1	9,200	9,200
Sub-Total					\$ 42,400
Department:		WATER QUALITY ADMINISTRATION			
610	8031.610.1	Misc. Laboratory Equipment for Unplanned Projects and Regulatory Requirements	1	\$ 44,000	\$ 44,000
Sub-Total					\$ 44,000
Department:		WATER QUALITY ANALYSIS			
630	8031.630.1	Laboratory Equipment for Biosolids and Energy Recovery Project.	1	\$ 25,000	\$ 25,000
630	8036.630.1	Laboratory Instrumentation for Future Biosolids and Energy Recovery Project.	1	25,000	25,000
630	8036.630.2	Existing Laboratory Equipment Replacement	1	130,000	130,000
Sub-Total					\$ 180,000
Department:		ELECTRICAL SERVICES			
820	8033.820.1	Personal portable gas monitoring units	1	\$ 180,000	\$ 180,000
820	8038.870.1	Generators	1	2,600,000	2,600,000
Sub-Total					\$2,780,000



CONSOLIDATED

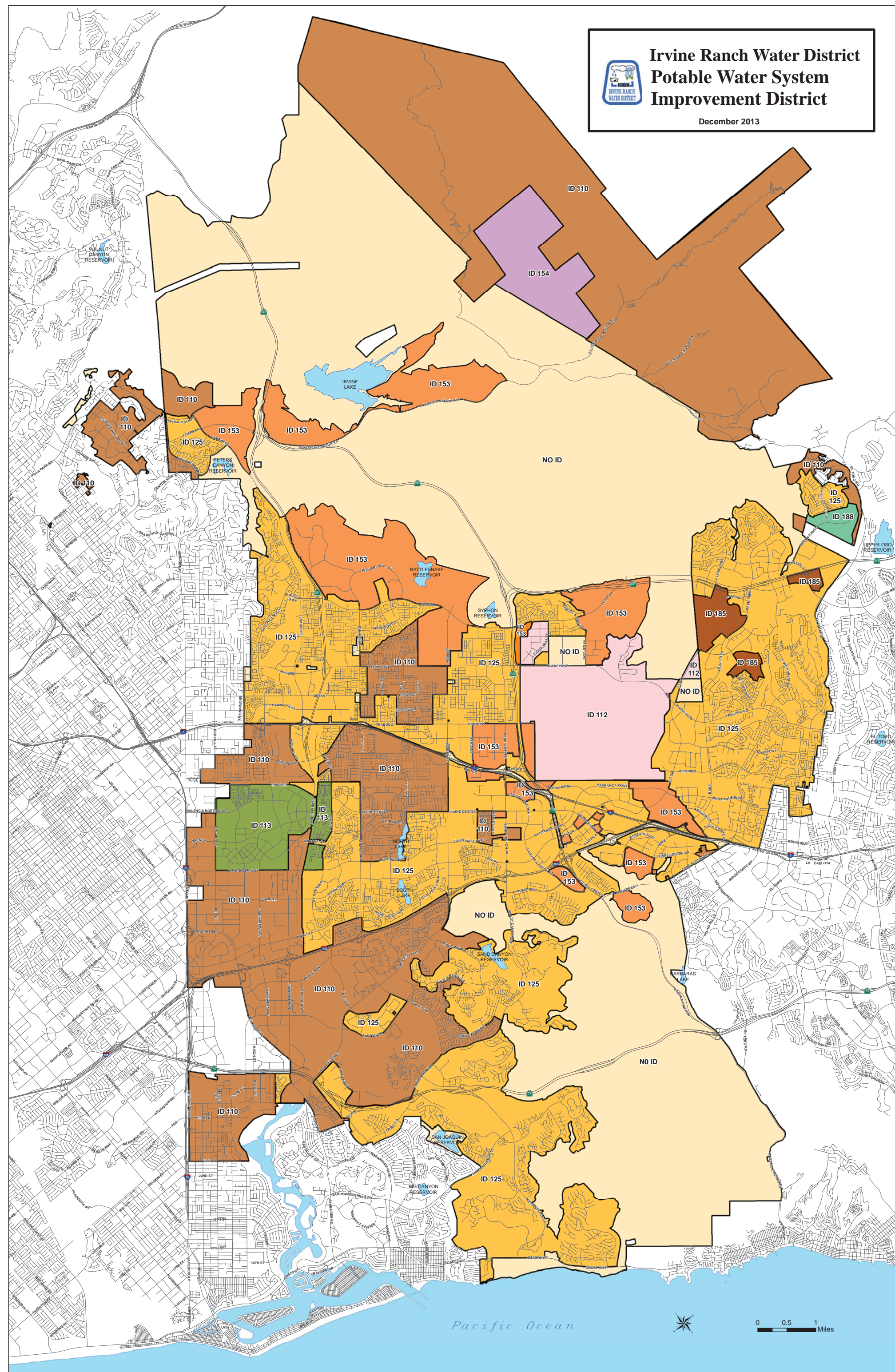
GENERAL PLANT BUDGET

TASK	Item Description	Quantity	Price	Proposed 2016-17
Department:				
	MECHANICAL SERVICES			
840 8031.840.1	Laser alignment tool	1	\$ 30,000	\$ 30,000
840 8036.870.6	Electric Manlift	1	38,500	38,500
Sub-Total				<u>\$ 68,500</u>
Department:				
	FACILITIES SERVICES			
855 8011.855.1	Headquarters Lobby Carpet	1	\$ 72,500	\$ 72,500
855 8011.855.2	Fitness and Strength Training Equipment	1	39,500	39,500
Sub-Total				<u>\$ 112,000</u>
Department:				
	FACILITIES SERVICES			
860 8023.860.1	Office Cubicle Reconfiguration	1	\$ 80,000	\$ 80,000
Sub-Total				<u>\$ 80,000</u>
Department:				
	FLEET SERVICES			
870 8036.870.1	Heavy Duty Semi Tractor	1	\$ 137,500	\$ 137,500
870 8036.870.2	Hydro excavator	1	535,000	535,000
870 8036.870.2	Light Utility Cart (Golf Cart w/utility bed)	1	14,200	14,200
870 8036.870.3	Light Utility Cart (Golf Cart w/utility bed)	1	14,200	14,200
870 8036.870.3	Light Utility Cart (Golf Cart)	1	9,400	9,400
870 8036.870.4	Light Utility Cart (Golf Cart)	1	9,400	9,400
870 8036.870.5	Light Utility Cart (Golf Cart)	1	9,400	9,400
870 8036.870.6	Light Utility Cart (Golf Cart)	1	9,400	9,400
870 8036.870.7	Concrete Saw	1	22,000	22,000
870 8055.870.1	Medium Duty Truck 4WD	1	33,500	33,500
870 8055.870.10	Medium Duty Van	1	27,500	27,500
870 8055.870.11	Medium Duty Truck 2WD	1	28,400	28,400
870 8055.870.12	Medium Duty Truck 4WD	1	29,500	29,500
870 8055.870.13	Medium Duty Truck 2WD	1	28,400	28,400
870 8055.870.14	Light Duty Truck 2WD	1	30,500	30,500
870 8055.870.15	Light Duty Truck 2WD	1	30,500	30,500
870 8055.870.16	Medium Duty Truck 2WD	1	28,400	28,400
870 8055.870.17	Medium Duty Truck 4WD	1	29,500	29,500
870 8055.870.2	Medium Duty Truck 4WD	1	33,500	33,500
870 8055.870.3	Compact Hybrid Sedan	1	28,000	28,000
870 8055.870.5	Medium Duty Truck 4WD	1	29,500	29,500
870 8055.870.6	Medium Duty Truck 4WD	1	29,500	29,500
870 8055.870.7	Medium Duty Truck 4WD	1	28,400	28,400
870 8055.870.8	Medium Duty Truck 4WD	1	29,500	29,500
870 8055.870.9	Medium Duty Truck 2WD	1	28,400	28,400
870 8056.870.1	Vactor	1	262,500	262,500
Sub-Total				<u>\$ 1,496,000</u>
Total General Plant				<u><u>\$ 5,579,600</u></u>



Irvine Ranch Water District Potable Water System Improvement District

December 2013





Irvine Ranch Water District Sewer System Improvement District

December 2013

