



**MOULTON NIGUEL WATER DISTRICT**

**CAPITAL IMPROVEMENT PROGRAM**

**AND**

**CAPITAL IMPROVEMENT BUDGET**

**FOR**

**FISCAL YEAR 2014-15**

**May 2014**

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## Overview

The Moulton Niguel Water District (MNWD) Capital Improvement Program (CIP) is a document that outlines the expenditure plan for future capital projects for the next decade and provides a CIP budget for the upcoming Fiscal Year (FY). The 10-year look-ahead should best be reviewed as a financial planning document. Project costs are planning estimates and are reviewed and further refined each year. Spending authorization is given only at the time the MNWD Board of Directors formally adopts the proposed FY budget, and, at that time, funds are only appropriated for the FY. Information is shown in subsequent years to provide the most comprehensive snapshot of all the known future facilities the MNWD plans to construct or existing infrastructure requiring replacement or refurbishment. MNWD uses an additional expenditure check through various contracting instruments. The MNWD Board of Directors authorized the General Manager to approve contractual expenses up to \$45,000. Contracts and agreements above that level require specific Board of Directors action on a contract by contract basis.

The FY 2014-15 CIP outlines approximately \$47.4 million in appropriations to continue funding of existing projects and provide funding for new projects. Projects carried forward from FY2013-14 account for about \$24.5 million or about 52% of the FY 2014-15 CIP budget. Appropriations for new projects are about \$22.9 million, which includes \$12.7 million for Joint Power Authority (JPA) projects. The JPA Projects include projects proposed by South Coast Water District (SCWD) for the Joint Regional Water Supply System (JRWSS) and by the South Orange County Wastewater Authority (SOCWA).

The projects will be funded from three sources: (1) Replacement and Refurbishment (R&R) Fund 7, (2) Water Supply Reliability (WSR) Fund 12, and (3) Planning and Construction (P&C) Fund 14.

## 10-Year Capital Improvement Program

The FY 2014-15 CIP budget is based on the 10-year Capital Improvement Program. The 10-year CIP presents potable, recycled, and waste water and district-wide projects that are required to maintain and operate the District's infrastructure. Appendix A shows all the projects in the 10-year CIP and potential capital expenditure types identified through various planning efforts throughout the District. The budgets for these projects are budgetary level costs based on similar completed projects and engineering estimates. These costs are identified as projects and are refined as new information becomes available. The planning efforts that contributed to the list of projects include the MNWD 2010 Long Range Plan, 2010 Urban Water Management Plan, staff knowledge of replacement, repair and improvement needs, and the District's current Asset Management Model.

The 10-year CIP contains proposed expenditures totaling \$257 million of which \$14 million has been expanded to date. About 30% (\$78 million) of these expenditures are associated with the District's participation in JPA projects (JRWSS & SOCWA) with another 13% IS allocated to regional water supply projects. Figure 1 shows the breakdown of costs for the 10-year CIP between the various systems:

- Potable – projects associated with repair, maintenance, and improvement of the potable water system

- Recycled – projects associated with repair, maintenance, and improvement of the recycled water system
- Wastewater – projects associated with repair, maintenance, and improvement of the wastewater collection system and wastewater treatment plants operated by SOCWA
- Districtwide – projects associated with facilities that provide benefits to all of the District such as office space, geographic information systems, and any project that covers more than one system
- Regional Projects – projects in which there is more than one agency participating, such as: JPA Projects (JRWSS), Baker Water Treatment Plant, South Orange Coastal Ocean Desalination, ETWD/MNWD Intertie.
- Unanticipated – unforeseen projects that come up during the year.

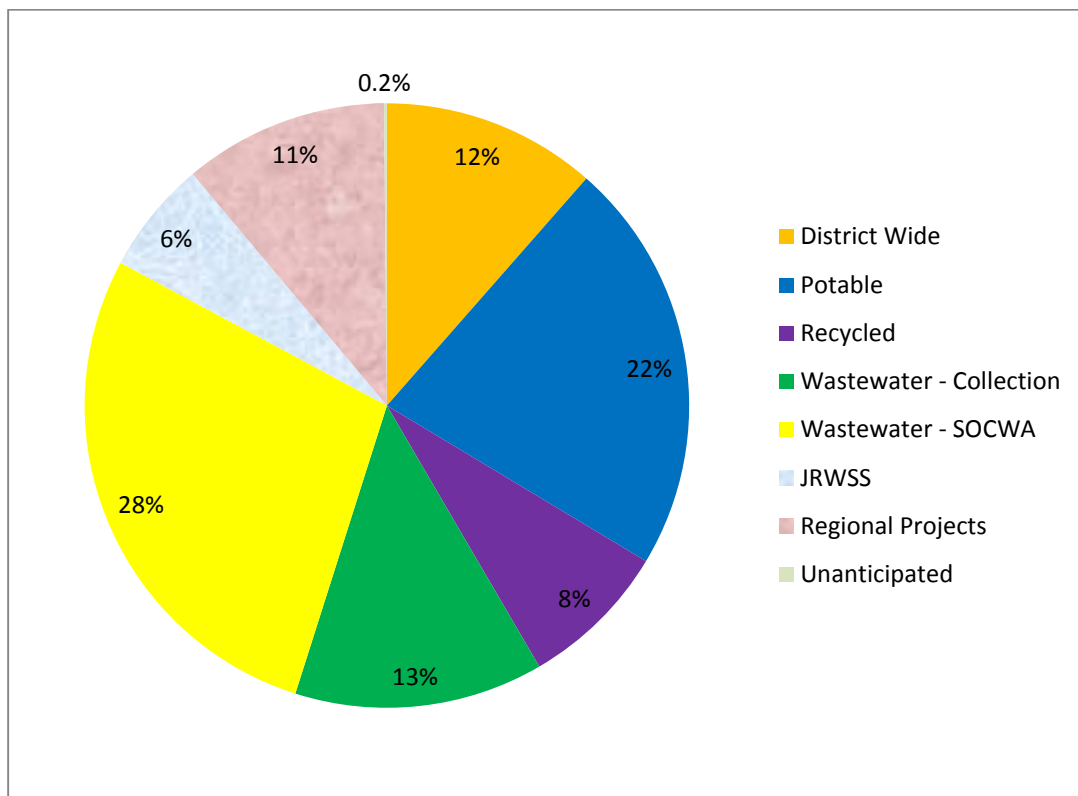
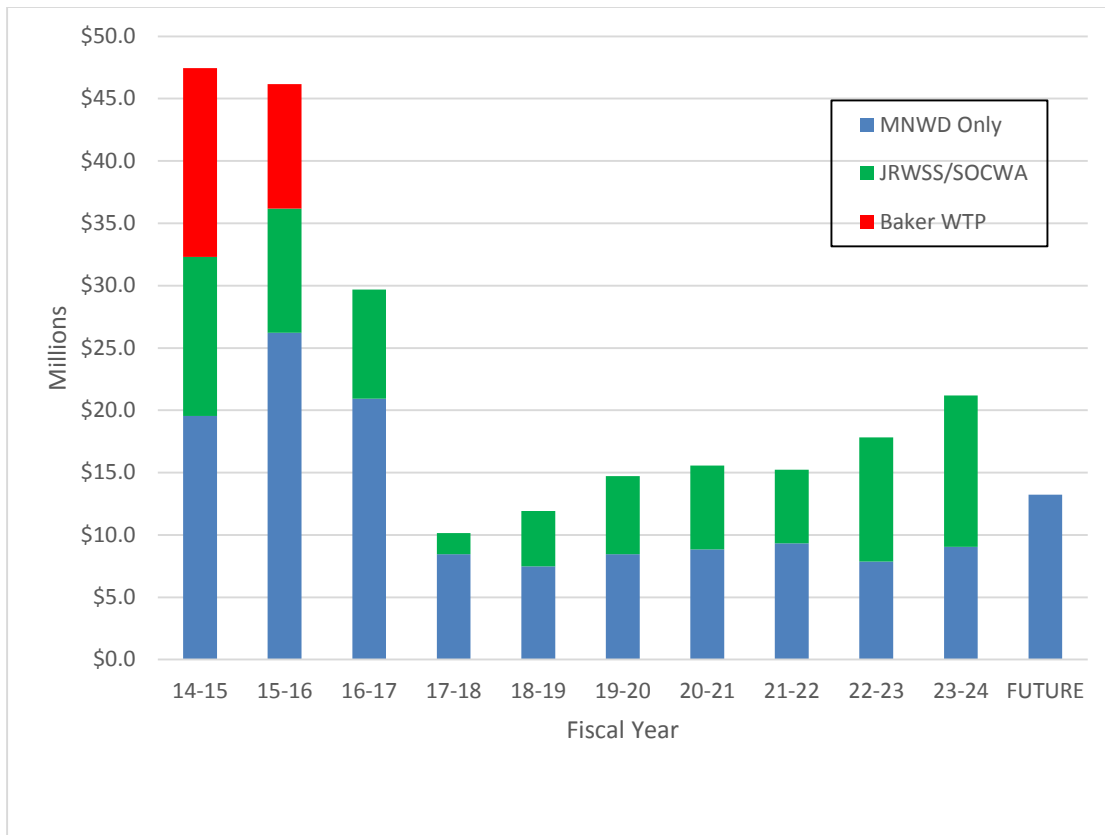


Figure 1. Distribution of the 10-Year Capital Improvement Program

Chart 1 shows the distribution of the budget over the next 10 years.



**Chart 1. Proposed Budget Distribution over 10-Year Planning Horizon**

**Previous Year Budget**

The CIP for the FY 2013-14 as adopted by the Board of Directors in June of 2013 had a budget of \$23.9 million. The FY 2013-14 budget contained 83 individual projects and two unanticipated projects line items. At the end of the fiscal year, 28 projects will be closed and 57 projects will be carried forward in the CIP. However, not all carried-forward projects will be funded in the FY 2014-15. Eight projects will be moved to subsequent years.

Table 1 summarizes the FY2013-14 budget. Appendix B Table B-1 lists the projects in the 2013-14 budget while Table B-2 lists the projects that will be closed by the end of the FY 2013-14 and Table B-3 lists the projects that will be carried forward in the budget.

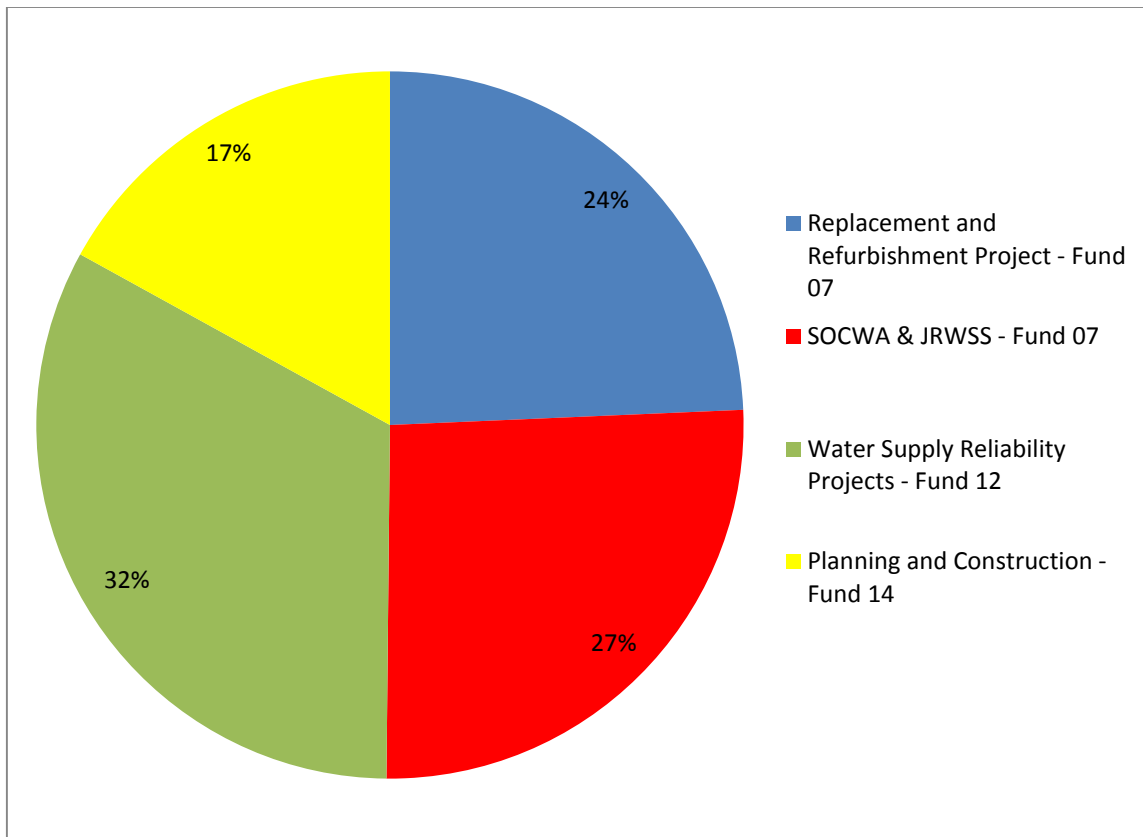
<b>Item/Fund</b>	<b>FY 2013-14 Approved Budget</b>
Replacement and Refurbishment Project - Fund 7	\$10,041,740
JPA Projects - Fund 7	\$7,306,852
Water Supply Reliability Projects - Fund 12	\$5,624,123
Planning and Construction - Fund 14	\$881,578
<b>CIP Budget Approved June 2012</b>	<b>\$23,854,292</b>
<b>Projected Expenditure for FY2013-14 <sup>(1)</sup></b>	<b>\$7,616,628</b>

Note 1. Projected expenditures based on data through April 25, 2014

## Proposed Budget

The proposed CIP budget for FY 2014-15 is \$47.4 million and is listed in Table 2 by Fund and Table 3 by system and shown in Figures 2 and 3, respectively. This budget is based in the 10-year Capital Improvement Program. Appendix C Table C-1 lists the projects in the 2014-15 budget. The projects proposed for the FY 2014-15 budget are described individually in Appendix D.

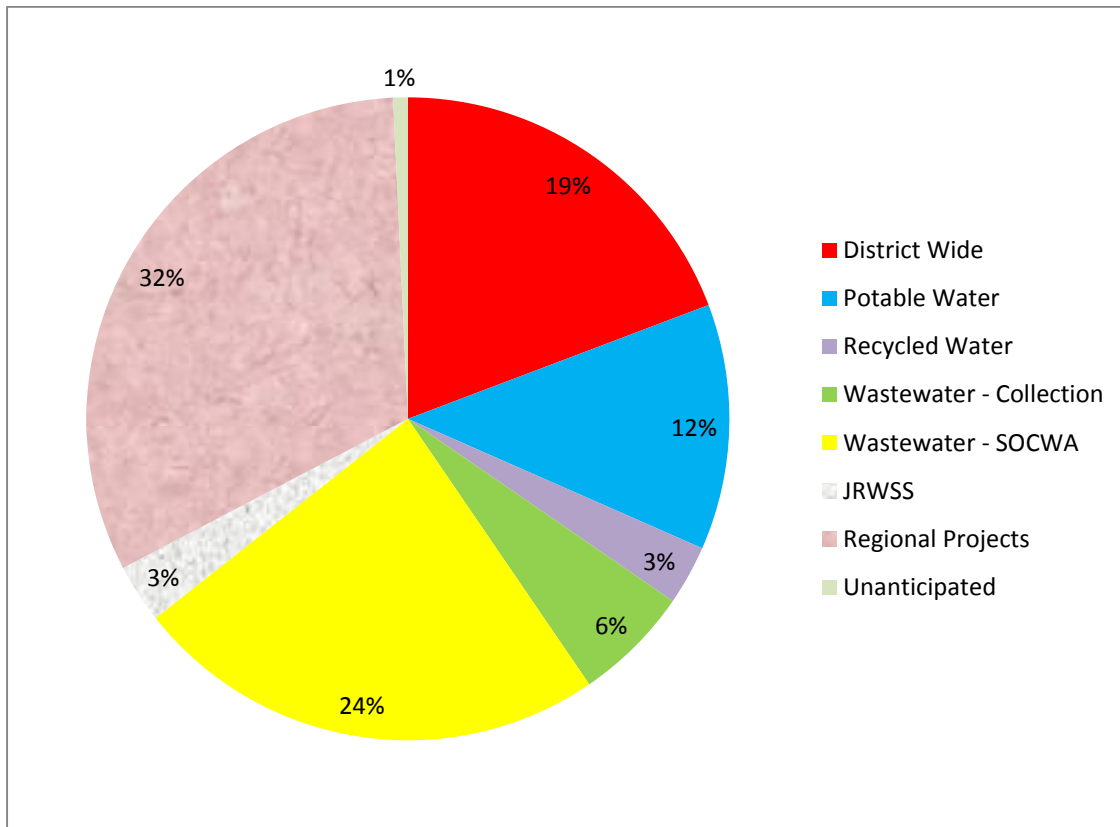
<b>Item/Fund</b>	<b>FY 2014-15 Proposed Budget</b>
Replacement and Refurbishment Project - Fund 07	\$11,259,664
SOCWA & JRWSS - Fund 07	\$12,745,932
Water Supply Reliability Projects - Fund 12	\$15,452,106
Planning and Construction - Fund 14	\$7,987,168
<b>Total FY 2014-15 Proposed Budget</b>	<b>\$47,444,870</b>



**Figure 2. Percent Distribution of Proposed Budget for FY 2014-15 by Fund**

**Table 3  
Proposed Budget for FY 2014-15 by System**

System	FY 2014-15 Proposed Budget
District Wide	\$9,128,242
Potable Water	\$5,860,966
Recycled Water	\$1,422,320
Wastewater	
Collection	\$2,785,304
Treatment (SOCWA)	\$11,339,595
JRWSS	\$1,406,337
Regional (i.e. Baker, Desalination, intertie)	\$15,152,106
Unanticipated	\$350,000
<b>Total</b>	<b>\$47,444,870</b>



**Figure 3. Percent Distribution of Proposed Budget for FY 2014-15 by System**

Almost 60% of the District’s FY 2014-15 capital budget is committed to regional projects, with a large portion going to SOCWA, JRWSS and the Baker WTP. A significant portion of the District’s budget is allocated to replacement and refurbishment of existing facilities. This is in line with the age of the District and its transition from growth to maintenance. Staff expects that replacement and refurbishment activities of the District will increase as the District assets reach their useful-life expectancies and/or annual operating costs dictate replacement.





## 10-YEAR CAPITAL IMPROVEMENT PROGRAM

Project No.	Fund	Type	Project Name	Status/ Priority	Estimated Project Cost	Expended to Date	Fiscal Years									
							14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24
<b>DISTRICTWIDE</b>																
2009167	7	DW	GEODATABASE REDEVELOPMENT	Construction	\$150,000	\$81,662	\$68,338									
2010033	7	DW	NEW DISTRICT ENTERPRISE SOFTWARE	Construction	\$3,375,000	\$2,066,232	\$1,308,768									
2011016	7	DW	PLC PANEL REPLACEMENT	Construction	\$632,000	\$410,864	\$221,136									
	14	DW	DISTRICT HEADQUARTERS	83%	\$23,000,000		\$7,000,000	\$8,000,000	\$8,000,000							
	7	DW	CORROSION CONTROL PROGRAM	81%	\$150,000			\$150,000								
2006038	7	DW	REPLACE DIGITAL LINES W/WIRELESS NETWORK	75%	\$2,100,781	\$1,500,781	\$400,000	\$200,000								
2011033	7	DW	ASSET MANAGEMENT PROGRAM/CMMS	75%	\$350,000	\$0	\$70,000	\$40,000	\$240,000							
2011077	14	DW	MOULTON PEAK RADIO TOWER IMPROVEME	60%	\$115,000	\$0				\$115,000						
2011034	7	DW	GIS VIEWER AND CONFIGURATION	55%	\$60,000	\$0	\$60,000									
2011024	7	DW	DOCUMENT MANAGEMENT	46%	\$389,000	\$110,931					\$278,069					
2011040	14	DW	RES&PUMP LS SITE ACCESS	44%	\$170,000	\$0						\$170,000				
	14	DW	SECURITY ENHANCEMENTS	39%	\$1,000,000											\$1,000,000
<b>POTABLE</b>																
2010003	14	PW	KITE HILL P.R. RELOCATION	Construction	\$400,000	\$293,746	\$106,254									
2011038	14	PW	E ALISO CRK RES RECIRCULATION SYST	Construction	\$141,000	\$89,019	\$51,981									
2013001	7	PW	EAST ALISO CREEK RES RECOAT & IMPROV	Construction	\$2,550,000	\$11,685	\$2,538,315									
2013011	7	PW	WOOD CANYON POTABLE RES RECOAT & IMPR	Construction	\$800,000	\$0	\$800,000									
2010018	7	PW	MATHIS-OSO BY-PASS	Design	\$400,000	\$28,740	\$371,260									
2011010	7	PW	HILLARY PRS REPLACEMENT	Design	\$350,000	\$22,946	\$100,000	\$227,054								
2011011	7	PW	INSPECT 54 CIP LINE ANTONIA-BRIDL	Design	\$268,788	\$248,788	\$20,000									
2011012	7	PW	LARGO PRS REPLACEMENT	Design	\$350,000	\$22,946	\$100,000	\$227,054								
2011014	7	PW	SEISMIC & STRUCTURAL ASSESS STEEL	Design	\$217,192	\$182,969	\$34,223									
2011015	7	PW	WILKES PRS REPLACEMENT	Design	\$350,000	\$22,946	\$100,000	\$227,054								
2012009	7	PW	BEACON HILL PS PUMP/GENERATOR REPLACEMENT	Design	\$611,098	\$36,098	\$75,000	\$500,000								
2012028	14	PW	GENERATOR AT BEAR BRAND RESERVOIR	Design	\$40,000	\$4,453	\$35,547									
2012029	14	PW	GENERATOR AT BRIDLEWOOD TAKEOUT	Design	\$40,000	\$4,153	\$35,847									
2012030	14	PW	GENERATOR AT MARGUERITE RESERVOIR	Design	\$40,000	\$4,153	\$35,847									
2012031	14	PW	GENERATOR AT MATHIS RES PS	Design	\$40,000	\$4,153	\$35,847									
2012033	14	PW	GENERATOR AT SEVILLE RESERVOIR	Design	\$40,000	\$4,153	\$35,847									
2012034	14	PW	LA PAZ/MOLTON PW SYSTEM RECONFIGURATION	Design	\$500,000	\$15,811	\$300,000	\$184,189								
	7	PW	PW PROJECTS PER ASSET MANAGEMENT MODEL	Program	\$11,996,000			\$1,752,000	\$2,538,000	\$759,000	\$998,000	\$2,409,000	\$540,000	\$1,000,000	\$1,000,000	\$1,000,000
	7	PW	RESERVOIR RECOATING PROGRAM	Program	\$4,400,000				\$550,000	\$550,000	\$550,000	\$550,000	\$550,000	\$550,000	\$550,000	\$550,000
	7	PW	VALVE REPLACEMENT PROGRAM	Program	\$2,700,000				\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
	7	PW	BEAR BRAND RES RECOATING & SAFETY	93%	\$770,000		\$20,000	\$750,000								
	7	PW	RESERVOIR WQ MANAGEMENT REFURBISHMENT	81%	\$6,200,000			\$200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000		
2012013	7	PW	FIELD GIS - VALVE TURNING DATA SOFTWARE	76%	\$40,000	\$0	\$40,000									
	7	PW	ENCANTAMAR 16" ABANDONMENT	74%	\$75,000		\$75,000									
	7	PW	2014-15 VALVE REPLACEMENT	74%	\$600,000		\$600,000									
2009010	14	PW	MISSION HOSPITAL SECONDARY FEED	73%	\$380,000	\$0				\$380,000						
	7	PW	SADDLEBACK PS AUXILIARY ENGINE REPLACEMENT	70%	\$800,000					\$800,000						
	14	PW	WATER MASTER PLAN	70%	\$700,000				\$350,000	\$350,000						

## 10-YEAR CAPITAL IMPROVEMENT PROGRAM

Project No.	Fund	Type	Project Name	Status/ Priority	Estimated Project Cost	Expended to Date	Fiscal Years										
							14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	FUTURE
	7	PW	54-INCH CIP IMPROVEMENTS	65%	\$500,000			\$100,000	\$400,000								
	14	PW	TESSIER WATER LOOP	64%	\$240,000		\$50,000	\$190,000									
	7	PW	I.D. 1 MASTER METER RELOCATION	63%	\$400,000					\$400,000							
	7	PW	LA SIENA MAINLINE REPLACEMENT	62%	\$250,000		\$250,000										
	12	PW	SOUTH COUNTY PIPELINE TAKEOUT FACILITY	61%	\$2,200,000												\$2,200,000
	7	PW	STEEL TANKS SEISMIC & STRUCT RETROFITS - PW	58%	\$1,800,000			\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	
2012011	7	PW	EASEMENT REHABILITATION PROGRAM - Phase 1	58%	\$7,850,000	\$0					\$190,000	\$1,532,000	\$1,532,000	\$1,532,000	\$1,532,000	\$1,532,000	
	7	PW	EASEMENT REHABILITATION PROGRAM - Phase 2	58%	\$6,000,000												\$6,000,000
2011037	7	PW	MISSION VIEJO HS LINE/VAULT REFURB	56%	\$160,000	\$0					\$160,000						
	14	PW	SADDLEBACK PS GENERATOR EMERGENCY CONNECTION	55%	\$35,000						\$35,000						
	14	PW	PRADERA 850 ZONE LOOP	53%	\$240,000		\$50,000	\$190,000									
	7	PW	PACIFIC PARK PS ENGINE REPLACEMENT	53%	\$505,000				\$65,000	\$440,000							
	7	PW	ROLLING HILLS PS ENGINE & PUMP REPLACEMENT	53%	\$565,000				\$75,000	\$490,000							
	7	PW	SHEEP HILL PS ENGINE& PUMP REPLACEMENT	53%	\$565,000			\$75,000	\$490,000								
	14	PW	SECONDARY FEED FOR 1050 ZONE	50%	\$600,000						\$600,000						
2012010	7	PW	CVP 16-INCH PW LINE REHABILITATION	47%	\$650,000	\$0					\$50,000	\$600,000					
2010001	14	PW	650-ZONE NIGUEL ROAD INTERTIE	45%	\$640,000	\$0					\$100,000	\$540,000					
	14	PW	MARGUERITE/OSO CIP TAKEOUT	44%	\$2,500,000												\$2,500,000
2012016	7	PW	LITTLE NIGUEL PS ROOF REPLACEMENT	43%	\$20,000	\$0								\$20,000			
	7	PW	BEAR BRAND PS PUMP REPLACEMENT	43%	\$130,000						\$130,000						
	7	PW	LITTLE NIGUEL PS PUMP REPLACEMENT	38%	\$50,000								\$50,000				
	7	PW	CASA DE OSO PS VFD REPLACEMENT	37%	\$50,000								\$50,000				
	14	PW	920 ZONE LOOP PIPELINE	36%	\$150,000						\$150,000						
2011026	7	PW	RANCHO UNDERGROUND PWPS REFURBISHM	33%	\$250,000	\$4,815							\$245,185				
2011032	7	PW	OLD RANCH ROAD EASEMENT REFURBISHM	31%	\$100,000	\$0							\$25,000	\$75,000			
	7	PW	HIGHLAND PUMP PRESSURE RELIEF TO 650 ZONE	31%	\$150,000									\$150,000			
	7	PW	PZ450 ALISO CREEK POTABLE LINE RELOCATION	31%	\$255,000									\$60,000	\$195,000		
	7	PW	VAULT REMOVAL (11 SITES)	26%	\$400,000				\$50,000	\$350,000							
	7	PW	RESERVOIR SITE OVERFLOW AND DRAINAGE IMPROVEMENTS	25%	\$400,000									\$100,000	\$300,000		
	7	PW	MATHIS PUMP IMPROVEMENTS	20%	\$400,000						\$100,000	\$300,000					
<b>RECYCLED</b>																	
2011031	7	RW	EL NIGUEL RW LINE REHABILITATION	Construction	\$400,000	\$257,041	\$142,959										
2013003	7	RW	SOUTH RIDGE RW RES RECOAT & IMPROV	Construction	\$600,000	\$12,639	\$587,361										
2010013	12	RW	LA PAZ BRIDGE CROSSING RW PIPELINE	Design	\$370,000	\$56,736			\$313,264								
2012037	7	RW	OSO PKWY 12"RW MAIN RELOCT	Design	\$192,000	\$0	\$192,000										
	12	RW	RECYCLED WATER RETROFITS	Program	\$450,000			\$100,000	\$75,000	\$75,000	\$50,000	\$50,000	\$25,000	\$25,000	\$25,000	\$25,000	
	7	RW	RESERVOIR RECOATING - RW PROGRAM	Program	\$3,312,000			\$664,000	\$331,000	\$331,000	\$331,000	\$331,000	\$331,000	\$331,000	\$331,000	\$331,000	
	7	RW	RW PROJECT PER ASSET MANAGEMENT MODEL	Program	\$7,536,000			\$564,000	\$719,000	\$563,000	\$466,000	\$799,000	\$1,425,000	\$1,000,000	\$1,000,000	\$1,000,000	
2013002	7	RW	MATHIS RW RES RECOAT & IMPROVE	82%	\$800,000	\$0	\$50,000	\$750,000									
	12	RW	FY 2014-15 RW RETROFITS	74%	\$150,000		\$150,000										
	14	RW	RECYCLED MASTER PLAN	64%	\$300,000		\$150,000	\$150,000									
	12	RW	RECYCLED WATER SYSTEM EXTENSION		\$3,080,000		\$150,000	\$1,465,000	\$1,465,000								

## 10-YEAR CAPITAL IMPROVEMENT PROGRAM

Project No.	Fund	Type	Project Name	Status/ Priority	Estimated Project Cost	Expended to Date	Fiscal Years										
							14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	FUTURE
7		RW	STEEL TANKS SEISMIC & STRUCT RETROFITS - RW	58%	\$1,200,000										\$200,000	\$500,000	\$500,000
12		RW	ALISO VILLAGE RW EXTENSION	55%	\$50,000							\$50,000					
12		RW	PRESSURE REDUCING STATION AT SADDLEBACK RW RES	38%	\$200,000											\$200,000	
<b>WASTEWATER</b>																	
2012004	7	WW	STONEHILL MH REHAB PROGRAM	Construction	\$190,925	\$39,818	\$151,107										
2012021	7	WW	REGIONAL LIFT STATION PUMPS 2&4 REPLACEMENT	Construction	\$358,640	\$38,640	\$320,000										
2013007	7	WW	3A ETM REPLACEMENT - COUNTY OF ORANGE PHASE VII	Construction	\$450,000		\$450,000										
2009115	7	WW	SAN JUAN CREEK 30 EFFLUENT TM	Design	\$2,900,000	\$205,305	\$760,695	\$592,000	\$1,342,000								
2009115	7	WW	SAN JUAN CREEK 30 EFFLUENT TM - SMWD REIMBURSEMENT	Reimbursement	-\$550,000		-\$275,000	-\$275,000									
2012007	7	WW	LOWER SALADA LS VENTILATION UNIT REPLACEMENT	Design	\$50,000	\$3,249	\$46,751										
2012008	7	WW	REGIONAL LS VENTILATION UNIT REPLACEMENT	Design	\$50,000	\$3,249	\$46,751										
2012024	7	WW	UPPER SALADA LF AUX. GENERATOR REPLACEMENT	Design	\$401,102	\$26,102	\$375,000										
2013004	7	WW	REGIONAL LS FORCE MAIN REPLACEMENT	Design	\$2,500,000		\$100,000	\$2,400,000									
2013005	7	WW	LOWER SALADA LS FORCE MAIN REPLACEMENT	Design	\$2,500,000		\$100,000	\$2,400,000									
7		WW	MH REHABILITATION PROGRAM	Program	\$3,150,000			\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000
7		WW	SEWER LINING PROGRAM	Program	\$2,100,000				\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000
7		WW	WW PROJECT PER ASSET MANAGEMENT MODEL	Program	\$5,962,000			\$505,000	\$784,000	\$548,000	\$190,000	\$254,000	\$681,000	\$1,000,000	\$1,000,000	\$1,000,000	
7		WW	DEL AVION LS WET WELL COATING REHAB	85%	\$70,000		\$70,000										
7		WW	UTILITY MAIN BREAKERS REPLACEMENTS	83%	\$100,000		\$100,000										
7		WW	UPPER SALADA LS HEADER REPLACEMENT	82%	\$100,000		\$100,000										
7		WW	2014-15 MH REHABILITATION	80%	\$350,000		\$350,000										
2012012	7	WW	FIELD GIS - SEWER LINE CLEANING & MH	76%	\$40,000	\$0	\$40,000										
7		WW	NORTH ALISO CREEK LS BYPASS REPLACEMENT	73%	\$160,000		\$160,000										
2011028	7	WW	VALENCIA LS REFURBISHMENT	70%	\$200,000	\$0	\$200,000										
2013010	7	WW	GALLUP SEWER REPLACEMENT	67%	\$340,000	\$3,475	\$40,000	\$296,525									
7		WW	ALISO CREEK LS AUXILIARY GENERATOR REPLACEMENT	65%	\$530,000		\$530,000										
7		WW	LINDA VISTA DR SEWER LINING	65%	\$302,000		\$302,000										
7		WW	NATIONAL PARK SEWER LINING	65%	\$253,000		\$253,000										
14		WW	WASTEWATER MASTER PLAN	64%	\$500,000		\$250,000	\$250,000									
7		WW	LOWER BOUNDARY OAK LS UPGRADE	64%	\$400,000		\$400,000										
7		WW	DEL AVION LS AUXILIARY GENERATOR REPLACEMENT	64%	\$630,000		\$50,000	\$580,000									
7		WW	SOUTHWING LS AUXILIARY ENGINE REPLACEMENT	59%	\$580,000		\$580,000										
7		WW	3A ETM CREEK BANK STABILIZATION	58%	\$2,000,000								\$2,000,000				
7		WW	3A ETM REPLACEMENT - AVE DE LA VISTA	58%	\$2,100,000							\$200,000	\$1,900,000				
7		WW	3A ETM REPLACEMENT - CAMINO CAPO	58%	\$3,300,000				\$300,000	\$3,000,000							
7		WW	3A ETM SJ CREEK-COUNTY OF ORANGE PHASE VIII	58%	\$900,000												\$900,000
7		WW	3A ETM IMPROVEMENTS - SMWD REIMBURSEMENT	Reimbursement	-\$4,150,000		\$0	\$0	\$0	-\$150,000	-\$1,500,000	-\$100,000	-\$950,000	-\$1,000,000	\$0	-\$450,000	\$0
14		WW	LS GENERATOR EMERGENCY CONNECTIONS	55%	\$300,000							\$300,000					
2011043	14	WW	3A OUTFALL LINE VALVES	53%	\$410,000	\$0	\$410,000										
2011043	14	WW	3A OUTFALL LINE VALVES - REIMBURSEMENT	Reimbursement	-\$205,000		-\$205,000										
14		WW	OSO CREEK SEWER PARALLEL PIPELINE	44%	\$1,200,000								\$200,000	\$1,000,000			
2011045	14	WW	N ALISO LS SITE IMPROVEM	42%	\$199,990	\$9,990	\$50,000	\$140,000									

## 10-YEAR CAPITAL IMPROVEMENT PROGRAM

Project No.	Fund	Type	Project Name	Status/ Priority	Estimated Project Cost	Expended to Date	Fiscal Years										
							14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	FUTURE
7	WW		ALISO CREEK LS REHABILITATION	40%	\$200,000		\$200,000										
<b>REGIONAL</b>																	
2006071	12		BAKER PIPELINE REGIONAL TREATMENT PLANT	Construction	\$32,598,645	\$7,462,972	\$15,152,106	\$9,983,567									
2006099	12		ETWD/MNWD INTERTIE W/30 DIEMER PI	Design	\$456,000	\$1,956	\$454,044										
2006099	12		ETWD/MNWD INTERTIE W/30 DIEMER PI REIMBURSEMENT	Reimbursement	-\$456,000	-\$1,956	-\$454,044										
2008049	12		SOUTH ORANGE COASTAL OCEAN DESAL	Design	\$700,000	\$690,640											
JRWSS15	7		SCWD/JRWSS CAPITAL PROJECT	Program	\$13,912,287		\$1,406,337	\$2,330,790	\$2,090,480	\$309,330	\$294,640			\$3,910,610	\$3,570,100		
SOCWA112	7		2014/2015 SOCWA CAPITAL PC 2(R)	Program	\$12,455,658		\$2,401,827	\$2,388,418	\$919,910	\$201,419	\$667,241	\$971,802	\$984,882	\$1,021,335	\$1,350,550	\$1,548,274	
SOCWA114	7		2014/2015 SOCWA PC 3A(R)	Program	\$13,268,471		\$2,646,525	\$916,343	\$1,222,871	\$311,649	\$860,738	\$1,477,730	\$1,890,462	\$1,523,668	\$1,153,044	\$1,265,442	
SOCWA113	7		2014/2015 SOCWA PC 5	Program	\$165,125			\$42,653	\$77,550	\$0	\$44,922	\$0	\$0	\$0	\$0	\$0	
SOCWA115	7		2014/2015 SOCWA CAPITAL PC 15(R)	Program	\$6,438,826		\$695,344	\$1,011,758	\$463,945	\$147,509	\$467,189	\$711,881	\$777,035	\$762,081	\$716,886	\$685,198	
SOCWA116	7		2014/2015 SOCWA CAPITAL PC 17(R)	Program	\$29,152,127		\$5,595,899	\$3,271,546	\$3,224,959	\$666,045	\$2,108,639	\$3,103,092	\$3,080,681	\$2,612,619	\$2,597,555	\$2,891,094	
SOCWA117	7		2014/2015 SOCWA CAPITAL PC 21	Program	\$750,000		\$0	\$0	\$750,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
SOCWA118	7		2014/2015 SOCWA CAPITAL PC 24	Program	\$2,458,026		\$0	\$0	\$0	\$46,276	\$0	\$0	\$0	\$0	\$219,250	\$2,192,500	
<b>UNANTICIPATED</b>																	
UP1415RR	7		UNANTICIPATED PROJECTS FUND 7	Program	\$250,000				\$250,000								
UP1415PC	14		UNANTICIPATED PROJECTS FUND 14	Program	\$100,000				\$100,000								
<b>TOTAL</b>					\$257,107,680	\$13,981,902	\$47,444,870	\$46,161,950	\$29,675,714	\$10,141,491	\$11,928,368	\$14,720,573	\$15,567,061	\$15,237,887	\$17,820,895	\$21,185,609	\$13,232,000
<b>BY SYSTEM</b>						#####											
DISTRICTWIDE					\$31,491,781	\$4,170,470	\$9,128,242										
POTABLE					\$63,854,078	\$1,001,575	\$5,860,966										
RECYCLED					\$18,640,000	\$326,417	\$1,422,320										
WASTEWATER					\$30,872,657	\$329,828	\$2,785,304										
REGIONAL - SOCWA/JRWSS					\$78,600,519	\$0	\$12,745,932										
REGIONAL PROJECTS					\$33,298,645	\$8,153,612	\$15,152,106										
UNANTICIPATED					\$350,000	\$0	\$350,000										
<b>TOTAL</b>					\$257,107,680	\$13,981,902	\$47,444,870										

**Appendix B**

**Adopted 2013-14 Budget**

Table B-1 Adopted 2013-14 Projects

Table B-2 Closed Projects

Table B-3 Carry-forward Projects

**TABLE B-1  
MOULTON NIGUEL WATER DISTRICT  
FISCAL YEAR 2014-2015 BUDGET**

**ADOPTED FY 2013-14 PROJECTS**

<b>PROJECT NUMBER</b>	<b>FUND</b>	<b>PROJECT DESCRIPTION</b>	<b>TOTAL PROJECT BUDGET</b>	<b>APPROVED EXPENSE AUTHORIZATION</b>	<b>EXPENDED FROM INCEPTION TO DATE</b>	<b>FY 2013-2014 ADOPTED BUDGET</b>	<b>ESTIMATED PROJECT COSTS FOR FYE2014</b>	<b>ESTIMATED COMPLETION DATE</b>
<b>REPLACEMENT &amp; REFURBISHMENT FUND (R&amp;R) (FUND 07)</b>								
2006038	07	REPLACE DIGITAL LINES W/WIRELESS NETWORK	\$2,315,267	\$1,900,000	\$1,500,781	\$100,000	\$25,538	12/31/15
2007030	07	RANCHO RESERVOIR IRRIGATION SYSTEM	\$150,000	\$35,430	\$27,614	\$123,509	\$0	6/30/14
2009107	07	CROWN VALLEY WIDENING RELOCATION	\$210,000	\$210,000	\$178,146	\$149,600	\$0	6/30/14
2009115	07	SAN JUAN CREEK 30 EFFLUENT TM	\$2,900,000	\$216,000	\$205,305	\$79,072	\$53,937	6/30/15
2009167	07	GEODATABASE REDEVELOPMENT	\$150,000	\$50,000	\$81,662	\$109,000	\$38,925	6/30/14
2010017	07	OPERATIONS FACILITY DRAINAGE IMPROVEMENT	\$1,301,236	\$150,000	\$105,526	\$0	\$0	6/30/14
2010018	07	MATHIS-OSO BY-PASS	\$200,000	\$40,000	\$28,740	\$181,818	\$2,162	6/30/14
2010021	07	MOULTON PEAK IRRIGATION PUMP REPLACEMENT	\$20,000	\$20,000	\$12,307	\$8,193	\$0	6/30/14
2010033	07	NEW DISTRICT ENTERPRISE SOFTWARE	\$3,375,000	\$3,000,000	\$2,066,232	\$2,263,283	\$352,884	6/30/14
2011010	07	HILLARY PRS REPLACEMENT	\$350,000	\$30,000	\$22,946	\$335,388	\$662	6/30/14
2011011	07	INSPECT 54 CIP LINE ANTONIA-BRIDL	\$258,674	\$285,806	\$248,788	\$20,000	\$0	6/30/14
2011012	07	LARGO PRS REPLACEMENT	\$350,000	\$30,000	\$22,946	\$335,388	\$662	6/30/14
2011014	07	SEISMIC & STRUCTURAL ASSESS STEEL	\$217,192	\$217,192	\$182,969	\$83,082	\$43,176	6/30/14
2011015	07	WILKES PRS REPLACEMENT	\$350,000	\$30,000	\$22,946	\$335,388	\$662	6/30/14
2011016	07	PLC PANEL REPLACEMENT	\$532,000	\$0	\$216,154	\$346,193	\$56,168	6/30/14
2011024	07	BOARDROOM ENHANCEMENTS	\$389,000	\$179,000	\$110,931	\$282,579	\$0	6/30/14
2011026	07	RANCHO UNDERGROUND PWPS REFURBISHMENT	\$250,000	\$0	\$4,815	\$0	\$0	6/30/14
2011028	07	VALENCIA LS REFURBISHMENT	\$200,000	\$15,000	\$0	\$0	\$0	6/30/14
2011031	07	NIGUEL ROAD RW LINE REHABILITATION	\$400,000	\$0	\$257,041	\$382,178	\$235,630	6/30/14
2011032	07	OLD RANCH ROAD EASEMENT REFURBISHMENT	\$100,000	\$0	\$0	\$0	\$0	12/31/14
2011033	07	ASSET MANAGEMENT PROGRAM	\$350,000	\$0	\$0	\$70,000	\$0	12/31/14
2011034	07	GIS VIEWER AND CONFIGURATION	\$60,000	\$0	\$0	\$60,000	\$0	6/30/14
2011037	07	MISSION VIEJO HS LINE/VAULT REFURBISHMENT	\$160,000	\$0	\$0	\$0	\$0	6/30/14
2011109	07	PLC PANEL REPLACEMENT-RANCHO PS	\$0	\$23,000	\$20,025	\$23,000	\$20,025	6/30/14
2012009	7	BEACON HILL PS PUMP/GENERATOR REPLACEMENT	\$575,000	\$0	\$36,098	\$75,000	\$36,098	6/30/14
2012010	7	CVP 16-INCH PW LINE REHABILITATION	\$650,000	\$0	\$0	\$50,000	\$0	6/30/14
2012011	7	EASEMENT REHABILITATION PROGRAM - Phase 1	\$7,850,000	\$0	\$0	\$190,000	\$0	6/30/18
2012012	7	FIELD GIS - SEWER LINE CLEANING & MH	\$40,000	\$0	\$0	\$40,000	\$0	6/30/14
2012013	7	FIELD GIS - VALVE TURNING DATA SOFTWARE	\$40,000	\$0	\$0	\$40,000	\$0	6/30/14
2012016	7	LITTLE NIGUEL PS ROOF REPLACEMENT	\$20,000	\$0	\$0	\$0	\$0	6/30/14
2012007	7	LOWER SALADA LS VENTILATION UNIT REPLACEMENT	\$110,000	\$0	\$3,249	\$106,883	\$0	6/30/14
2012004	7	STONEHILL MH REHABILITATION PROGRAM	\$190,925	\$0	\$39,818	\$185,871	\$0	12/31/13
2012018	7	MOULTON LF ROOF REPLACEMENT	\$20,000	\$0	\$11,120	\$20,000	\$11,120	6/30/14

**TABLE B-1  
MOULTON NIGUEL WATER DISTRICT  
FISCAL YEAR 2014-2015 BUDGET**

**ADOPTED FY 2013-14 PROJECTS**

PROJECT NUMBER	FUND	PROJECT DESCRIPTION	TOTAL PROJECT BUDGET	APPROVED EXPENSE AUTHORIZATION	EXPENDED FROM INCEPTION TO DATE	FY 2013-2014 ADOPTED BUDGET	ESTIMATED PROJECT COSTS FOR FYE2014	ESTIMATED COMPLETION DATE
2012019	7	NORTH ALISO LS ROOF REPLACEMENT	\$20,000	\$0	\$0	\$20,000	\$0	6/30/14
2012037	7	OSO PKWY 12"RW MAIN RELOCATION	\$192,000	\$20,660	\$0	\$192,000	\$0	6/30/14
2012005	7	PLANT 3A EFFLUENT TM ANALYSIS/REHAB	\$150,000	\$0	\$123,136	\$62,433	\$0	6/30/14
2012021	7	REGIONAL LIFT STATION PUMPS 4&5 REPLACEMENT	\$320,000	\$0	\$38,640	\$320,000	\$38,640	6/30/14
2012008	7	REGIONAL LS VENTILATION UNIT REPLACEMENT	\$110,000	\$0	\$3,249	\$106,883	\$0	6/30/14
2012024	7	UPPER SALADA LF AUX. GENERATOR REPLACEMENT	\$375,000	\$0	\$26,102	\$375,000	\$26,102	6/30/14
2012025	7	UPPER SALADA LS ROOF REPLACEMENT	\$20,000	\$0	\$0	\$20,000	\$0	6/30/14
2013001	7	EAST ALISO CREEK RES RECOAT & IMPROV	\$1,500,000	\$0	\$11,685	\$50,000	\$11,685	6/30/15
2013002	7	MATHIS RW RES RECOAT & IMPROVE	\$800,000	\$0	\$0	\$800,000	\$0	6/30/14
2013003	7	SOUTH RIDGE RW RES RECOAT & IMPROV	\$600,000	\$0	\$12,639	\$600,000	\$12,639	6/30/14
2013004	7	REGIONAL LS FORCE MAIN REPLACEMENT	\$1,100,000	\$0	\$7,840	\$100,000	\$7,840	6/30/15
2013005	7	LOWER SALADA LS FORCE MAIN REPLACEMENT	\$1,100,000	\$0	\$4,390	\$100,000	\$4,390	6/30/15
2013006	7	FY 2013-14 MH REHABILITATION	\$350,000	\$0	\$0	\$350,000	\$0	6/30/14
2013007	7	3A ETM REPLACEMENT - COUNTY OF ORANGE PHASE VII	\$450,000	\$0	\$22,600	\$450,000	\$22,600	6/30/15
UP1314RR	7	UNANTICIPATED PROJECTS FUND 7	\$20,500,000	\$0	\$0	\$500,000	\$290,000	6/30/23
JRWSS14	7	SCWD/JRWSS CAPITAL PROJECT	\$12,606,901	\$0	\$145,569	\$2,605,331	\$145,569	6/30/23
SOCWA112	7	2013/2014 SOCWA CAPITAL PC 2(R)	\$9,952,725	\$0	\$252,418	\$171,131	\$252,418	6/30/23
SOCWA113	7	2013/2014 SOCWA PC 5	\$13,777,784	\$0	\$0	\$280,313	\$0	6/30/23
SOCWA114	7	2013/2014 SOCWA PC 3A(R)	\$96,614	\$0	\$187,917	\$11,633	\$187,917	6/30/23
SOCWA115	7	2013/2014 SOCWA CAPITAL PC 15(R)	\$6,878,955	\$0	\$938,864	\$819,000	\$938,864	6/30/23
SOCWA116	7	2013/2014 SOCWA CAPITAL PC 17(R)	\$25,841,606	\$0	\$302,540	\$2,826,556	\$302,540	6/30/23
SOCWA117	7	2013/2014 SOCWA PC 21	\$723,909	\$0	\$0	\$560,000	\$0	6/30/23
SOCWA118	7	2013/2014 SOCWA PC 24	\$69,903	\$0	\$0	\$32,888	\$0	6/30/23
<i>Fund 7 Total</i>			<i>\$121,619,691</i>	<i>\$6,452,088</i>	<i>\$7,483,748</i>	<i>\$17,348,592</i>	<i>\$3,118,855</i>	
<b>WATER SUPPLY RELIABILITY FUND (WSR) (FUND 12)</b>								
2006071	12	BAKER PIPELINE REGIONAL TREATMENT	\$26,000,000	\$5,810,000	\$7,462,972	\$5,000,000	\$4,219,160	12/31/15
2006099	12	ETWD/MNWD INTERTIE W/30 DIEMER PI	\$456,000	\$56,000	\$1,956	\$454,123	\$0	6/30/14
2008049	12	SOUTH ORANGE COASTAL OCEAN DESAL	\$700,000	\$660,000	\$690,640	\$20,000	\$0	12/31/15
2010013	12	LA PAZ BRIDGE CROSSING RW PIPELINE	\$370,000	\$115,000	\$56,736	\$0	\$0	6/30/14
2011056	12	RW SYSTEM EXT (1500LF @4 LOCATIONS)	\$500,000	\$0	\$9,946	\$0	\$0	12/31/14
2012038	12	UPPER CHIQUITA ENVIRONMENTAL MITIGATION	\$250,000	\$0	\$0	\$50,000	\$0	6/30/17
2013008	12	FY 2013-14 RW RETROFITS	\$100,000	\$0	\$0	\$100,000	\$0	6/30/14
<i>Fund 12 Total</i>			<i>\$28,376,000</i>	<i>\$6,641,000</i>	<i>\$8,222,251</i>	<i>\$5,624,123</i>	<i>\$4,219,160</i>	



**TABLE B-1  
MOULTON NIGUEL WATER DISTRICT  
FISCAL YEAR 2014-2015 BUDGET**

**ADOPTED FY 2013-14 PROJECTS**

PROJECT NUMBER	FUND	PROJECT DESCRIPTION	TOTAL PROJECT BUDGET	APPROVED EXPENSE AUTHORIZATION	EXPENDED FROM INCEPTION TO DATE	FY 2013-2014 ADOPTED BUDGET	ESTIMATED PROJECT COSTS FOR FYE2014	ESTIMATED COMPLETION DATE
<b>PLANNING &amp; CONSTRUCTION FUND (P&amp;C) (FUND 14)</b>								
2009010	14	MISSION HOSPITAL SECONDARY FEED	\$380,000	\$0	\$0	\$0	\$0	6/30/15
2010001	14	650-ZONE NIGUEL ROAD INTERTIE	\$640,000	\$0	\$0	\$0	\$0	12/31/15
2010003	14	KITE HILL P.R. RELOCATION	\$400,000	\$60,000	\$293,746	\$354,368	\$245,471	6/30/14
2011038	14	E ALISO CRK RES RECIRCULATION SYST	\$141,000	\$20,000	\$89,019	\$72,210	\$137	6/30/14
2011040	14	RES&PUMP LS SITE ACCESS	\$170,000	\$0	\$0	\$0	\$0	6/30/15
2011043	14	3A OUTFALL LINE VALVES	\$410,000	\$0	\$0	\$0	\$0	6/30/15
2011045	14	N ALISO LS BY-PASS & SITE IMPROVEM	\$200,000	\$20,000	\$9,990	\$0	\$0	6/30/14
2011077	14	MOULTON PEAK RADIO TOWER IMPROVEME	\$115,000	\$20,000	\$0	\$0	\$0	6/30/14
2012028	14	GENERATOR AT BEAR BRAND RESERVOIR	\$40,000	\$0	\$4,453	\$40,000	\$4,453	6/30/14
2012029	14	GENERATOR AT BRIDLEWOOD TAKEOUT	\$40,000	\$0	\$4,153	\$40,000	\$4,153	6/30/14
2012030	14	GENERATOR AT MARGUERITE RESERVOIR	\$40,000	\$0	\$4,153	\$40,000	\$4,153	6/30/14
2012031	14	GENERATOR AT MATHIS RES PS	\$40,000	\$0	\$4,153	\$40,000	\$4,153	6/30/14
2012033	14	GENERATOR AT SEVILLE RESERVOIR	\$40,000	\$0	\$4,153	\$40,000	\$4,153	6/30/14
2012034	14	LA PAZ/MOLTON PW SYSTEM RECONFIGURATION	\$500,000	\$0	\$15,811	\$75,000	\$10,146	6/30/14
2012035	14	MAIN OFFICE BACKUP GENERATOR	\$170,000	\$0	\$1,024	\$60,000	\$1,024	6/30/14
2012036	14	PLANT 2A BACKUP GENERATOR	\$200,000	\$0	\$769	\$20,000	\$769	6/30/14
UP1314PC	14	UNANTICIPATED PROJECTS FUND 14	\$5,850,000	\$0	\$0	\$100,000	\$0	6/30/22
<i>Fund 14 Total</i>			<i>\$9,376,000</i>	<i>\$120,000</i>	<i>\$431,426</i>	<i>\$881,578</i>	<i>\$278,613</i>	
<b>Total</b>			<b>\$159,371,691</b>		<b>\$16,137,425</b>	<b>\$23,854,292</b>	<b>\$7,616,628</b>	

**TABLE B-2  
MOULTON NIGUEL WATER DISTRICT  
FISCAL YEAR 2014-2015 BUDGET**

**CLOSED FY 2013-14 PROJECTS**

PROJECT NUMBER	FUND	PROJECT DESCRIPTION	TOTAL PROJECT BUDGET	APPROVED EXPENSE AUTHORIZATION	EXPENDED FROM INCEPTION TO DATE	FY 2013-2014 ADOPTED BUDGET	ESTIMATED PROJECT COSTS FOR FYE2014	ESTIMATED COMPLETION DATE
<b>REPLACEMENT &amp; REFURBISHMENT FUND (R&amp;R) (FUND 07)</b>								
2007030	7	RANCHO RESERVOIR IRRIGATION SYSTEM	\$150,000	\$35,430	\$27,614	\$123,509	\$0	6/30/14
2009107	7	CROWN VALLEY WIDENING RELOCATION	\$210,000	\$210,000	\$178,146	\$149,600	\$0	6/30/14
2010017	7	OPERATIONS FACILITY DRAINAGE IMPRO	\$1,301,236	\$150,000	\$105,526	\$0	\$0	6/30/14
2010021	7	MOULTON PEAK IRRIGATION PUMP REPLA	\$20,000	\$20,000	\$12,307	\$8,193	\$0	6/30/14
2011109	7	PLC PANEL REPLACEMENT-RANCHO PS	\$0	\$23,000	\$20,025	\$23,000	\$20,025	6/30/14
2012005	7	PLANT 3A EFFLUENT TM ANALYSIS/REHAB	\$150,000	\$0	\$123,136	\$62,433	\$0	6/30/14
2012018	7	MOULTON LF ROOF REPLACEMENT	\$20,000	\$0	\$11,120	\$20,000	\$11,120	6/30/14
2012019	7	NORTH ALISO LS ROOF REPLACEMENT	\$20,000	\$0	\$0	\$20,000	\$0	6/30/14
2012025	7	UPPER SALADA LS ROOF REPLACEMENT	\$20,000	\$0	\$0	\$20,000	\$0	6/30/14
2012026	7	VALVE REPLACEMENT PROJECT	\$2,700,000	\$0	\$0	\$0	\$0	6/30/14
2013006	7	FY 2013-14 MH REHABILITATION	\$350,000	\$0	\$0	\$350,000	\$0	6/30/14
2013009	7	UPPER SALAD LS VALVE REPLACEMENT	\$240,000	\$0	\$29,298	\$0	\$29,298	12/31/13
2013012	7	NIGUAL SUMMIT MAIN LINE REPLACEMENT	\$77,000	\$77,000	\$0	\$0	\$77,000	6/30/14
JRWSS14	7	SCWD/JRWSS CAPITAL PROJECT	\$12,606,901	\$0	\$145,569	\$2,605,331	\$145,569	6/30/14
SOCWA112	7	2013/2014 SOCWA CAPITAL PC 2(R)	\$9,952,725	\$0	\$252,418	\$171,131	\$252,418	6/30/14
SOCWA113	7	2013/2014 SOCWA PC 5	\$13,777,784	\$0	\$0	\$280,313	\$0	6/30/14
SOCWA114	7	2013/2014 SOCWA PC 3A(R)	\$96,614	\$0	\$187,917	\$11,633	\$187,917	6/30/14
SOCWA115	7	2013/2014 SOCWA CAPITAL PC 15(R)	\$6,878,955	\$0	\$938,864	\$819,000	\$938,864	6/30/14
SOCWA116	7	2013/2014 SOCWA CAPITAL PC 17(R)	\$25,841,606	\$0	\$302,540	\$2,826,556	\$302,540	6/30/14
SOCWA117	7	2013/2014 SOCWA PC 21	\$723,909	\$0	\$0	\$560,000	\$0	6/30/14
SOCWA118	7	2013/2014 SOCWA PC 24	\$69,903	\$0	\$0	\$32,888	\$0	6/30/14
UP1314RR	7	UNANTICIPATED PROJECTS FUND 7	\$20,500,000	\$0	\$0	\$500,000	\$290,000	6/30/14
<i>Fund 7 Total</i>			<i>\$95,706,633</i>	<i>\$6,452,088</i>	<i>\$2,334,481</i>	<i>\$8,583,587</i>	<i>\$2,254,752</i>	
<b>WATER SUPPLY RELIABILITY FUND (WSR) (FUND 12)</b>								
2011056	12	RW SYSTEM EXT (1500LF @4 LOCATIONS	\$500,000	\$0	\$9,946	\$0	\$0	12/31/14
2012038	12	UPPER CHIQUITA ENVIRONMENTAL MITIGATION	\$250,000	\$0	\$0	\$50,000	\$0	6/30/17
2013008	12	FY 2013-14 RW RETROFITS	\$100,000	\$0	\$0	\$100,000	\$0	6/30/14
<i>Fund 12 Total</i>			<i>\$850,000</i>	<i>\$6,641,000</i>	<i>\$9,946</i>	<i>\$150,000</i>	<i>\$0</i>	
<b>PLANNING &amp; CONSTRUCTION FUND (P&amp;C) (FUND 14)</b>								
2012035	14	MAIN OFFICE BACKUP GENERATOR	\$170,000	\$0	\$1,024	\$60,000	\$1,024	6/30/14
2012036	14	PLANT 2A BACKUP GENERATOR	\$200,000	\$0	\$769	\$20,000	\$769	6/30/14
UP1314PC	14	UNANTICIPATED PROJECTS FUND 14	\$5,850,000	\$0	\$0	\$100,000	\$0	6/30/14
<i>Fund 14 Total</i>			<i>\$6,220,000</i>	<i>\$120,000</i>	<i>\$1,793</i>	<i>\$180,000</i>	<i>\$1,793</i>	
<i>Total</i>			<i>\$102,776,633.25</i>		<i>\$2,346,219.91</i>	<i>\$8,913,586.68</i>	<i>\$2,256,544.83</i>	

**TABLE B-3  
MOULTON NIGUEL WATER DISTRICT  
FISCAL YEAR 2014-2015 BUDGET**

**FY 2013-14 PROJECTS CARRIED TO FY 2014-15**

PROJECT NUMBER	FUND	PROJECT DESCRIPTION	TOTAL PROJECT BUDGET	APPROVED EXPENSE AUTHORIZATION	EXPENDED FROM INCEPTION TO DATE	FY 2013-2014 ADOPTED BUDGET	ESTIMATED PROJECT COSTS FOR FYE2014	ESTIMATED COMPLETION DATE
<b>REPLACEMENT &amp; REFURBISHMENT FUND (R&amp;R) (FUND 07)</b>								
2006038	07	REPLACE DIGITAL LINES W/WIRELESS N	\$2,315,267	\$1,900,000	\$1,500,781	\$100,000	\$25,538	12/31/15
2009115	07	SAN JUAN CREEK 30 EFFLUENT TM	\$2,900,000	\$216,000	\$205,305	\$79,072	\$53,937	3/31/16
2009167	07	GEODATABASE REDEVELOPMENT	\$150,000	\$50,000	\$81,662	\$109,000	\$38,925	6/30/15
2010018	07	MATHIS-OSO BY-PASS	\$200,000	\$40,000	\$28,740	\$181,818	\$2,162	4/30/15
2010033	07	NEW DISTRICT ENTERPRISE SOFTWARE	\$3,375,000	\$3,000,000	\$2,066,232	\$2,263,283	\$352,884	6/30/15
2011010	07	HILLARY PRS REPLACEMENT	\$350,000	\$30,000	\$22,946	\$335,388	\$662	4/30/15
2011011	07	INSPECT 54 CIP LINE ANTONIA-BRIDL	\$258,674	\$285,806	\$248,788	\$20,000	\$0	6/30/15
2011012	07	LARGO PRS REPLACEMENT	\$350,000	\$30,000	\$22,946	\$335,388	\$662	4/30/15
2011014	07	SEISMIC & STRUCTURAL ASSESS STEEL	\$217,192	\$217,192	\$182,969	\$83,082	\$43,176	5/30/14
2011015	07	WILKES PRS REPLACEMENT	\$350,000	\$30,000	\$22,946	\$335,388	\$662	4/30/15
2011016	07	PLC PANEL REPLACEMENT	\$532,000	\$0	\$216,154	\$346,193	\$56,168	12/31/15
2011024	07	DOCUMENT MANAGEMENT	\$389,000	\$179,000	\$110,931	\$282,579	\$0	6/30/20
2011026	07	RANCHO UNDERGROUND PWPS REFURBISHM	\$250,000	\$0	\$4,815	\$0	\$0	6/30/20
2011028	07	VALENCIA LS REFURBISHMENT	\$200,000	\$15,000	\$0	\$0	\$0	6/30/15
2011031	07	NIGUEL ROAD RW LINE REHABILITATION	\$400,000	\$0	\$257,041	\$382,178	\$235,630	6/30/15
2011032	07	OLD RANCH ROAD EASEMENT REFURBISHM	\$100,000	\$0	\$0	\$0	\$0	6/30/15
2011033	07	ASSET MANAGEMENT PROGRAM	\$350,000	\$0	\$0	\$70,000	\$0	6/30/17
2011034	07	GIS VIEWER AND CONFIGURATION	\$60,000	\$0	\$0	\$60,000	\$0	6/30/15
2011037	07	MISSION VIEJO HS LINE/VAULT REFURB	\$160,000	\$0	\$0	\$0	\$0	6/30/15
2012004	7	STONEHILL MH REHABILITATION PROGRAM	\$190,925	\$0	\$39,818	\$185,871	\$0	7/30/14
2012007	7	LOWER SALADA LS VENTILATION UNIT REPLACEMENT	\$110,000	\$0	\$3,249	\$106,883	\$0	2/28/15
2012008	7	REGIONAL LS VENTILATION UNIT REPLACEMENT	\$110,000	\$0	\$3,249	\$106,883	\$0	2/28/15
2012009	7	BEACON HILL PS PUMP/GENERATOR REPLACEMENT	\$575,000	\$0	\$36,098	\$75,000	\$36,098	11/20/15
2012010	7	CVP 16-INCH PW LINE REHABILITATION	\$650,000	\$0	\$0	\$50,000	\$0	6/30/22
2012011	7	EASEMENT REHABILITATION PROGRAM - Phase 1	\$7,850,000	\$0	\$0	\$190,000	\$0	6/30/16
2012012	7	FIELD GIS - SEWER LINE CLEANING & MH	\$40,000	\$0	\$0	\$40,000	\$0	6/30/16
2012013	7	FIELD GIS - VALVE TURNING DATA SOFTWARE	\$40,000	\$0	\$0	\$40,000	\$0	6/30/15
2012016	7	LITTLE NIGUEL PS ROOF REPLACEMENT	\$20,000	\$0	\$0	\$0	\$0	6/30/22
2012021	7	REGIONAL LIFT STATION PUMPS 4&5 REPLACEMENT	\$320,000	\$0	\$38,640	\$320,000	\$38,640	11/30/15
2012024	7	UPPER SALADA LF AUX. GENERATOR REPLACEMENT	\$375,000	\$0	\$26,102	\$375,000	\$26,102	11/21/16
2012037	7	OSO PKWY 12"RW MAIN RELOCATION	\$192,000	\$20,660	\$0	\$192,000	\$0	6/30/15
2013001	7	EAST ALISO CREEK RES RECOAT & IMPROV	\$1,500,000	\$0	\$11,685	\$50,000	\$11,685	9/30/15
2013002	7	MATHIS RW RES RECOAT & IMPROVE	\$800,000	\$0	\$0	\$800,000	\$0	4/30/17
2013003	7	SOUTH RIDGE RW RES RECOAT & IMPROV	\$600,000	\$0	\$12,639	\$600,000	\$12,639	4/30/15
2013004	7	REGIONAL LS FORCE MAIN REPLACEMENT	\$1,100,000	\$0	\$7,840	\$100,000	\$7,840	12/30/16
2013005	7	LOWER SALADA LS FORCE MAIN REPLACEMENT	\$1,100,000	\$0	\$4,390	\$100,000	\$4,390	12/30/15

**TABLE B-3  
MOULTON NIGUEL WATER DISTRICT  
FISCAL YEAR 2014-2015 BUDGET**

**FY 2013-14 PROJECTS CARRIED TO FY 2014-15**

PROJECT NUMBER	FUND	PROJECT DESCRIPTION	TOTAL PROJECT BUDGET	APPROVED EXPENSE AUTHORIZATION	EXPENDED FROM INCEPTION TO DATE	FY 2013-2014 ADOPTED BUDGET	ESTIMATED PROJECT COSTS FOR FYE2014	ESTIMATED COMPLETION DATE
2013007	7	3A ETM REPLACEMENT - COUNTY OF ORANGE PHASE VII	\$450,000	\$0	\$22,600	\$450,000	\$22,600	12/31/16
2013010	7	GALLUP SEWER REPLACEMENT	\$340,000	\$0	\$3,475	\$0	\$3,475	4/24/15
2013011	7	WOOD CANYON POTABLE RES RECOAT & IMPR	\$800,000	\$0	\$0	\$0	\$0	10/31/14
<i>Fund 7 Total</i>			<i>\$30,070,058</i>	<i>\$6,452,088</i>	<i>\$5,182,040</i>	<i>\$8,765,005</i>	<i>\$973,876</i>	
<b>WATER SUPPLY RELIABILITY FUND (WSR) (FUND 12)</b>								
2006071	12	BAKER PIPELINE REGIONAL TREATMENT	\$26,000,000	\$5,810,000	\$7,462,972	\$5,000,000	\$4,219,160	12/31/15
2006099	12	ETWD/MNWD INTERTIE W/30 DIEMER PI	\$456,000	\$56,000	\$1,956	\$454,123	\$0	6/30/15
2008049	12	SOUTH ORANGE COASTAL OCEAN DESAL	\$700,000	\$660,000	\$690,640	\$20,000	\$0	12/31/15
2010013	12	LA PAZ BRIDGE CROSSING RW PIPELINE	\$370,000	\$115,000	\$56,736	\$0	\$0	6/30/15
<i>Fund 12 Total</i>			<i>\$27,526,000</i>	<i>\$6,641,000</i>	<i>\$8,212,304</i>	<i>\$5,474,123</i>	<i>\$4,219,160</i>	
<b>PLANNING &amp; CONSTRUCTION FUND (P&amp;C) (FUND 14)</b>								
2009010	14	MISSION HOSPITAL SECONDARY FEED	\$380,000	\$0	\$0	\$0	\$0	6/30/18
2010001	14	650-ZONE NIGUEL ROAD INTERTIE	\$640,000	\$0	\$0	\$0	\$0	6/30/15
2010003	14	KITE HILL P.R. RELOCATION	\$400,000	\$60,000	\$293,746	\$354,368	\$245,471	7/30/14
2011038	14	E ALISO CRK RES RECIRCULATION SYST	\$141,000	\$20,000	\$89,019	\$72,210	\$137	9/30/14
2011040	14	RES&PUMP LS SITE ACCESS	\$170,000	\$0	\$0	\$0	\$0	6/30/15
2011043	14	3A OUTFALL LINE VALVES	\$410,000	\$0	\$0	\$0	\$0	6/30/15
2011045	14	N ALISO LS BY-PASS & SITE IMPROVEM	\$200,000	\$20,000	\$9,990	\$0	\$0	6/30/18
2011077	14	MOULTON PEAK RADIO TOWER IMPROVEME	\$115,000	\$20,000	\$0	\$0	\$0	6/30/18
2012028	14	GENERATOR AT BEAR BRAND RESERVOIR	\$40,000	\$0	\$4,453	\$40,000	\$4,453	11/30/15
2012029	14	GENERATOR AT BRIDLEWOOD TAKEOUT	\$40,000	\$0	\$4,153	\$40,000	\$4,153	11/30/15
2012030	14	GENERATOR AT MARGUERITE RESERVOIR	\$40,000	\$0	\$4,153	\$40,000	\$4,153	11/30/15
2012031	14	GENERATOR AT MATHIS RES PS	\$40,000	\$0	\$4,153	\$40,000	\$4,153	11/30/15
2012033	14	GENERATOR AT SEVILLE RESERVOIR	\$40,000	\$0	\$4,153	\$40,000	\$4,153	11/30/15
2012034	14	LA PAZ/MOLTON PW SYSTEM RECONFIGURATION	\$500,000	\$0	\$15,811	\$75,000	\$10,146	4/30/15
<i>Fund 14 Total</i>			<i>\$3,156,000</i>	<i>\$120,000</i>	<i>\$429,633</i>	<i>\$701,578</i>	<i>\$276,820</i>	
<i>Total</i>			<i>\$60,752,058.24</i>		<i>\$13,823,978.01</i>	<i>\$14,940,705.49</i>	<i>\$5,469,856.56</i>	



**TABLE C-1  
MOULTON NIGUEL WATER DISTRICT  
FISCAL YEAR 2014-2015 BUDGET**

<b>PROPOSED FY 2014-15 PROJECTS</b>						
<b>PROJECT NUMBER</b>	<b>FUND</b>	<b>PROJECT DESCRIPTION</b>	<b>TOTAL PROJECT BUDGET</b>	<b>EXPENDED FROM INCEPTION TO DATE</b>	<b>FY 2014-2015 PROPOSED BUDGET</b>	<b>ESTIMATED COMPLETION DATE</b>
<b>REPLACEMENT &amp; REFURBISHMENT FUND (R&amp;R) (FUND 07)</b>						
2006038	7	REPLACE DIGITAL LINES W/WIRELESS N	\$2,100,781	\$1,500,781	\$400,000	12/31/15
2009115	7	SAN JUAN CREEK 30 EFFLUENT TM	\$2,900,000	\$205,305	\$760,695	3/31/16
2009115	7	SAN JUAN CREEK 30 EFFLUENT TM - SMWD REIMBURSEMENT	-\$550,000	\$0	-\$275,000	3/31/16
2009167	7	GEODATABASE REDEVELOPMENT	\$150,000	\$81,662	\$68,338	6/30/15
2010018	7	MATHIS-OSO BY-PASS	\$400,000	\$28,740	\$371,260	4/30/15
2010033	7	NEW DISTRICT ENTERPRISE SOFTWARE	\$3,375,000	\$2,066,232	\$1,308,768	6/30/15
2011010	7	HILLARY PRS REPLACEMENT	\$350,000	\$22,946	\$100,000	4/30/15
2011011	7	INSPECT 54 CIP LINE ANTONIA-BRIDL	\$268,788	\$248,788	\$20,000	6/30/15
2011012	7	LARGO PRS REPLACEMENT	\$350,000	\$22,946	\$100,000	4/30/15
2011014	7	SEISMIC & STRUCTURAL ASSESS STEEL	\$217,192	\$182,969	\$34,223	5/30/14
2011015	7	WILKES PRS REPLACEMENT	\$350,000	\$22,946	\$100,000	4/30/15
2011016	7	PLC PANEL REPLACEMENT	\$632,000	\$410,864	\$221,136	12/31/15
2011031	7	EL NIGUEL RW LINE REHABILITATION	\$400,000	\$257,041	\$142,959	6/30/15
2011033	7	ASSET MANAGEMENT PROGRAM/CMMS	\$350,000	\$0	\$70,000	6/30/17
2011034	7	GIS VIEWER AND CONFIGURATION	\$60,000	\$0	\$60,000	6/30/15
2012004	7	STONEHILL MH REHAB PROGRAM	\$190,925	\$39,818	\$151,107	7/30/14
2012007	7	LOWER SALADA LS VENTILATION UNIT REPLACEMENT	\$50,000	\$3,249	\$46,751	2/28/15
2012008	7	REGIONAL LS VENTILATION UNIT REPLACEMENT	\$50,000	\$3,249	\$46,751	2/28/15
2012009	7	BEACON HILL PS PUMP/GENERATOR REPLACEMENT	\$611,098	\$36,098	\$75,000	11/20/15
2012013	7	FIELD GIS - VALVE TURNING DATA SOFTWARE	\$40,000	\$0	\$40,000	6/30/15
2012021	7	REGIONAL LIFT STATION PUMPS 2&4 REPLACEMENT	\$358,640	\$38,640	\$320,000	11/30/15
2012024	7	UPPER SALADA LF AUX. GENERATOR REPLACEMENT	\$401,102	\$26,102	\$375,000	11/21/16
2012037	7	OSO PKWY 12"RW MAIN RELOCT	\$192,000	\$0	\$192,000	6/30/15
2013001	7	EAST ALISO CREEK RES RECOAT & IMPROV	\$2,550,000	\$11,685	\$2,538,315	9/30/15
2013002	7	MATHIS RW RES RECOAT & IMPROVE	\$800,000	\$0	\$50,000	4/30/17
2013003	7	SOUTH RIDGE RW RES RECOAT & IMPROV	\$600,000	\$12,639	\$587,361	4/30/15
2013004	7	REGIONAL LS FORCE MAIN REPLACEMENT	\$2,500,000	\$0	\$100,000	12/30/16
2013005	7	LOWER SALADA LS FORCE MAIN REPLACEMENT	\$2,500,000	\$0	\$100,000	12/30/15
2013007	7	3A ETM REPLACEMENT - COUNTY OF ORANGE PHASE VII	\$450,000	\$0	\$450,000	12/31/16
2013010	7	GALLUP SEWER REPLACEMENT	\$340,000	\$3,475	\$40,000	4/24/15
2013011	7	WOOD CANYON POTABLE RES RECOAT & IMPR	\$800,000	\$0	\$800,000	10/31/14
JRWSS15	7	SCWD/JRWSS CAPITAL PROJECT	\$13,912,287	\$0	\$1,406,337	6/30/15

**TABLE C-1  
MOULTON NIGUEL WATER DISTRICT  
FISCAL YEAR 2014-2015 BUDGET**

<b>PROPOSED FY 2014-15 PROJECTS</b>						
<b>PROJECT NUMBER</b>	<b>FUND</b>	<b>PROJECT DESCRIPTION</b>	<b>TOTAL PROJECT BUDGET</b>	<b>EXPENDED FROM INCEPTION TO DATE</b>	<b>FY 2014-2015 PROPOSED BUDGET</b>	<b>ESTIMATED COMPLETION DATE</b>
SOCWA112	7	2014/2015 SOCWA CAPITAL PC 2(R)	\$12,455,658	\$0	\$2,401,827	6/30/15
SOCWA113	7	2014/2015 SOCWA PC 5	\$165,125	\$0	\$0	6/30/15
SOCWA114	7	2014/2015 SOCWA PC 3A(R)	\$13,268,471	\$0	\$2,646,525	6/30/15
SOCWA115	7	2014/2015 SOCWA CAPITAL PC 15(R)	\$6,438,826	\$0	\$695,344	6/30/15
SOCWA116	7	2014/2015 SOCWA CAPITAL PC 17(R)	\$29,152,127	\$0	\$5,595,899	6/30/15
	7	BEAR BRAND RES RECOATING & SAFETY	\$770,000	\$0	\$20,000	6/30/15
	7	DEL AVION LS AUXILIARY GENERATOR REPLACEMENT	\$630,000	\$0	\$50,000	6/30/15
	7	DEL AVION LS WET WELL COATING REHAB	\$70,000	\$0	\$70,000	6/30/15
	7	ENCANTAMAR 16" ABANDONMENT	\$75,000	\$0	\$75,000	6/30/15
	7	UTILITY MAIN BREAKERS REPLACEMENTS	\$100,000	\$0	\$100,000	6/30/15
	7	UPPER SALADA LS HEADER REPLACEMENT	\$100,000	\$0	\$100,000	6/30/15
	7	LA SIENA MAINLINE REPLACEMENT	\$250,000	\$0	\$250,000	6/30/15
	7	2014-15 VALVE REPLACEMENT	\$600,000	\$0	\$600,000	6/30/15
	7	2014-15 MH REHABILITATION	\$350,000	\$0	\$350,000	6/30/15
UP1415RR	7	UNANTICIPATED PROJECTS FUND 7	\$250,000	\$0	\$250,000	6/30/15
<i>Fund 7 Total</i>			<i>\$102,375,019</i>	<i>\$5,226,175</i>	<i>\$24,005,596</i>	
<b><i>WATER SUPPLY RELIABILITY FUND (WSR) (FUND 12)</i></b>						
2006071	12	BAKER PIPELINE REGIONAL TREATMENT PLANT	\$32,598,645	\$7,462,972	\$15,152,106	12/31/15
2006099	12	ETWD/MNWD INTERTIE W/30 DIEMER PI REIMBURSEMENT	-\$456,000	-\$1,956	-\$454,044	6/30/15
2006099	12	ETWD/MNWD INTERTIE W/30 DIEMER PI	\$456,000	\$1,956	\$454,044	6/30/15
	12	FY 2014-15 RW RETROFITS	\$150,000	\$0	\$150,000	6/30/15
	12	RECYCLED WATER SYSTEM EXTENSION	\$3,080,000	\$0	\$150,000	6/30/17
<i>Fund 12 Total</i>			<i>\$35,828,645</i>	<i>\$7,462,972</i>	<i>\$15,452,106</i>	

**TABLE C-1  
MOULTON NIGUEL WATER DISTRICT  
FISCAL YEAR 2014-2015 BUDGET**

<b>PROPOSED FY 2014-15 PROJECTS</b>						
<b>PROJECT NUMBER</b>	<b>FUND</b>	<b>PROJECT DESCRIPTION</b>	<b>TOTAL PROJECT BUDGET</b>	<b>EXPENDED FROM INCEPTION TO DATE</b>	<b>FY 2014-2015 PROPOSED BUDGET</b>	<b>ESTIMATED COMPLETION DATE</b>
<b><i>PLANNING &amp; CONSTRUCTION FUND (P&amp;C) (FUND 14)</i></b>						
2010003	14	KITE HILL P.R. RELOCATION	\$400,000	\$293,746	\$106,254	7/30/14
2011038	14	E ALISO CRK RES RECIRCULATION SYST	\$141,000	\$89,019	\$51,981	9/30/14
2012028	14	GENERATOR AT BEAR BRAND RESERVOIR	\$40,000	\$4,453	\$35,547	11/30/15
2012029	14	GENERATOR AT BRIDLEWOOD TAKEOUT	\$40,000	\$4,153	\$35,847	11/30/15
2012030	14	GENERATOR AT MARGUERITE RESERVOIR	\$40,000	\$4,153	\$35,847	11/30/15
2012031	14	GENERATOR AT MATHIS RES PS	\$40,000	\$4,153	\$35,847	11/30/15
2012033	14	GENERATOR AT SEVILLE RESERVOIR	\$40,000	\$4,153	\$35,847	11/30/15
2012034	14	LA PAZ/MOLTON PW SYSTEM RECONFIGURATION	\$500,000	\$15,811	\$300,000	4/30/15
	14	TESSIER WATER LOOP	\$240,000	\$0	\$50,000	6/30/15
	14	PRADERA 850 ZONE LOOP	\$240,000	\$0	\$50,000	6/30/15
	14	RECYCLED MASTER PLAN	\$300,000	\$0	\$150,000	6/30/16
	14	DISTRICT HEADQUARTERS	\$23,000,000	\$0	\$7,000,000	6/30/17
UP1415PC	14	UNANTICIPATED PROJECTS FUND 14	\$100,000	\$0	\$100,000	6/30/15
<i>Fund 14 Total</i>			<i>\$25,121,000</i>	<i>\$419,643</i>	<i>\$7,987,168</i>	
<i>Total</i>			<b>\$163,324,664</b>	<b>\$13,108,789</b>	<b>\$47,444,870</b>	





**District-Wide**

## Capital Improvement Program – Project Description

**Project No:** 2009.167

**System:** District Overall

**Fund:** 7

**Project Name:** *Geodatabase Redevelopment*

**Project Location:** District-wide

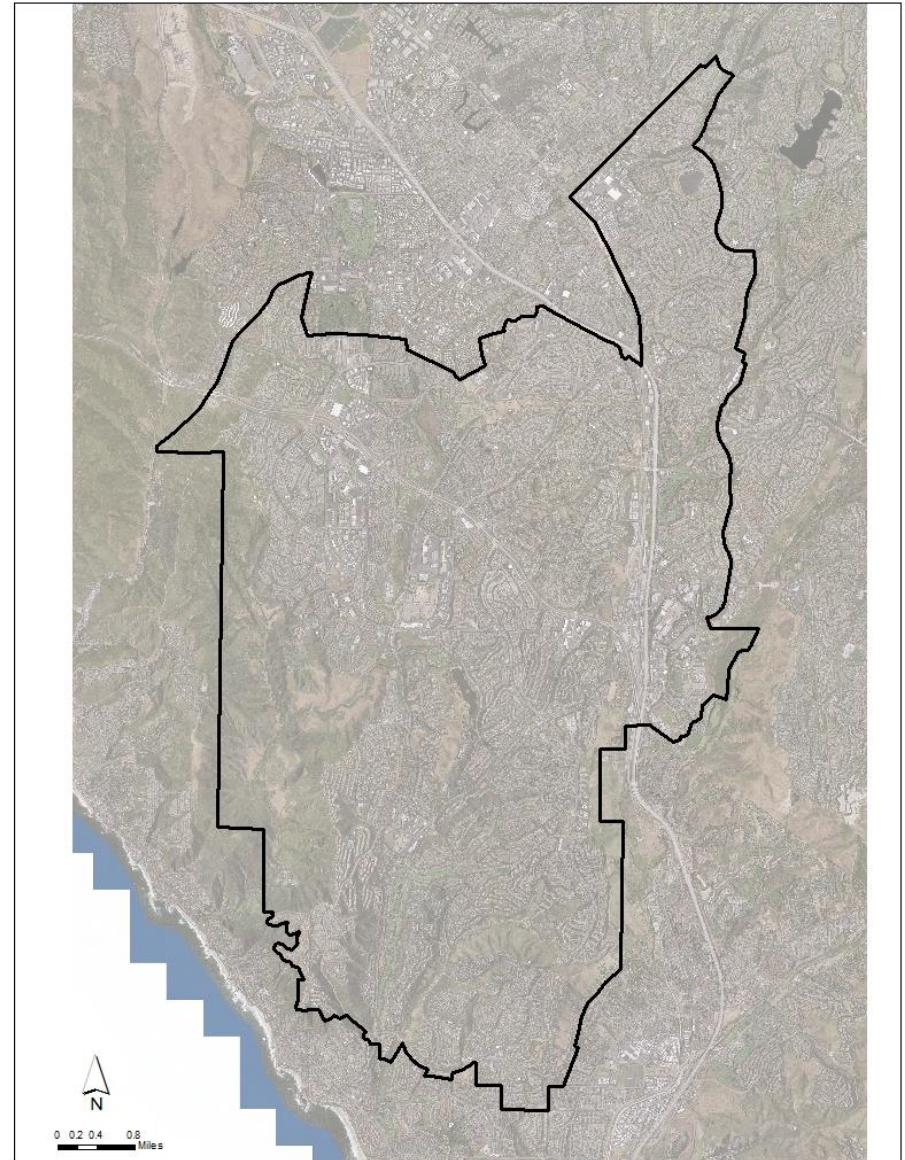
**Project Description:** The Development of a robust Geodatabase that contains both spatial and financial (business table) data in support of Asset Management. This project will also include the migration of data from the District's existing geodatabase into the new geodatabase structure.

**Project Need:** As part of the GIS Implementation Plan, certain business needs have been identified throughout the District. The need for a new geodatabase design was identified, primarily to construct an enhanced repository for asset data beyond the current spatial geodatabase, and support linkages and integrations with other District databases. Added business tables will support robust Asset Management, with the GIS geodatabase serving as the main repository of asset data. This project will also correct some existing facility data attributing, and add additional attributing that was missing from the initial geodatabase design completed in 2006.

**Project Status:** Implementation.

**Estimated Project Amount:**

Item	Estimated Cost
Design	\$50,000
Implementation	\$100,000
CEQA	Exempt
<b>Total Project Budget</b>	<b>\$150,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2010.033

**System:** District Overall

**Fund:** 7

**Project Name:** *New District Enterprise Software (ERP)*

**Project Location:** District-wide

**Project Description:**

Replace existing system with an enterprise resource planning (ERP) Commercial-off-the-shelf (COTS) system that which will provide a tightly integrated and comprehensive solution to manage all of the District’s business functions, provide enhanced reporting capabilities, promote implementation of best practices processes, provide user friendly and intuitive user interface, provide enhanced features and functionality, provide a long-term solution with a vendor solution committed to ongoing upgrades and releases and give Improved data integrity.

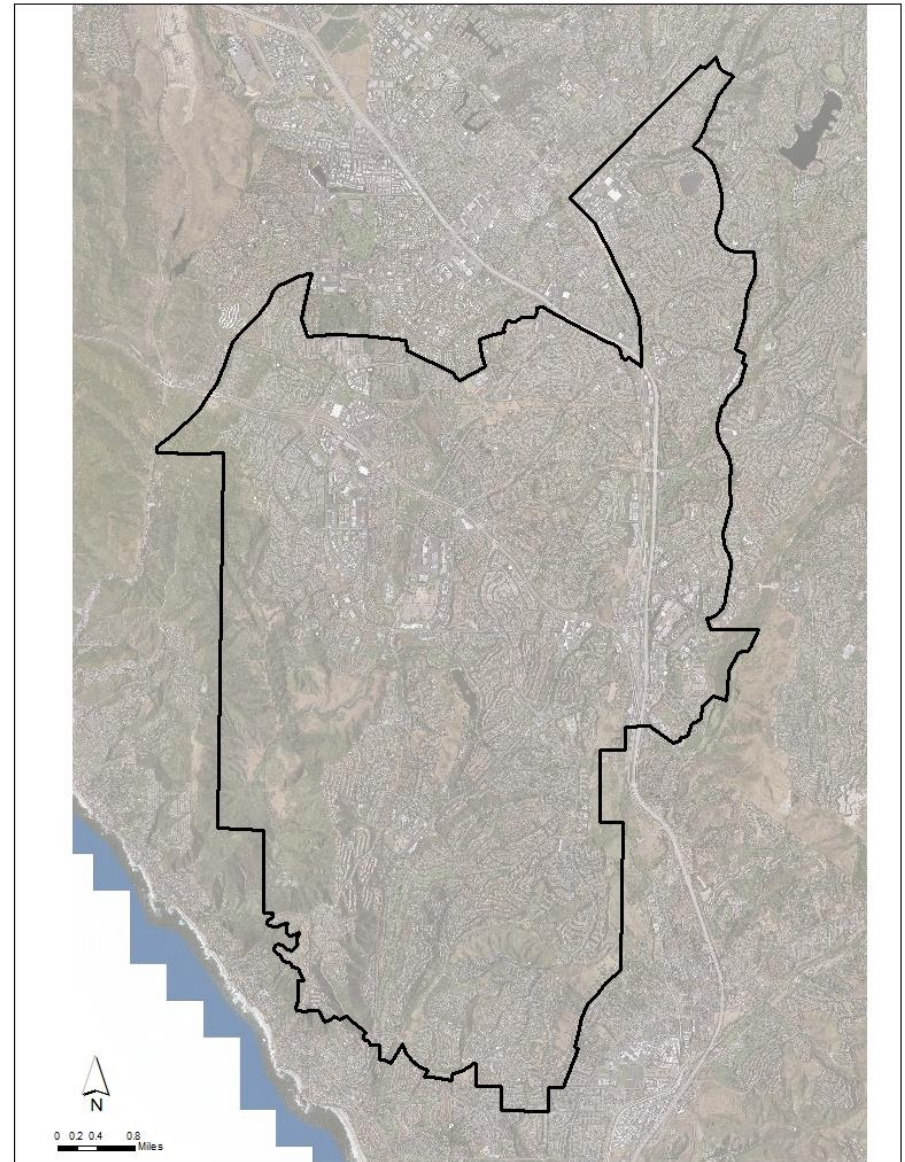
**Project Need:**

Need to replace old legacy software systems (10 unique vendors) that cannot be supported going forward.

**Project Status:** Implementation.

**Estimated Project Amount:**

Item	Estimated Cost
Software and implementation	\$3,375,000
CEQA Compliance	exempt
<b>Total Project Budget</b>	<b>\$3,375,000</b>



## ***Capital Improvement Program – Project Description***

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**Project No:** 2011.016

**System:** District Overall

**Fund:** 7

**Project Name:** *Programmable Logic Controller (PLC) Panel Replacement*

**Project Location:** Various sites through the District

**Project Description:** The existing PLC panels will be replaced by Allen Bradley Compact Logic and Control Logic PLC panels that support Ethernet port-to-port communication.

**Project Need:** The District is currently in the process of installing a Wireless Network Communication System that will provide communication from the PLC panel through the SCADA System. The wireless network requires Ethernet ports to communicate between selected devices at these stations and the current PLC panels do not support Ethernet communications.

**Project Status:** In construction.

**Estimated Project Amount:**

<b>Item</b>	<b>Estimated Cost</b>
CEQA Compliance	exempt
Materials & Installation	\$632,000
<b>Total Project Budget</b>	<b>\$632,000</b>

## Capital Improvement Program – Project Description

**Project No:** 2014-TBD

**System:** District Overall

**Fund:** 14

**Project Name:** District Headquarters

**Project Location:** Unknown

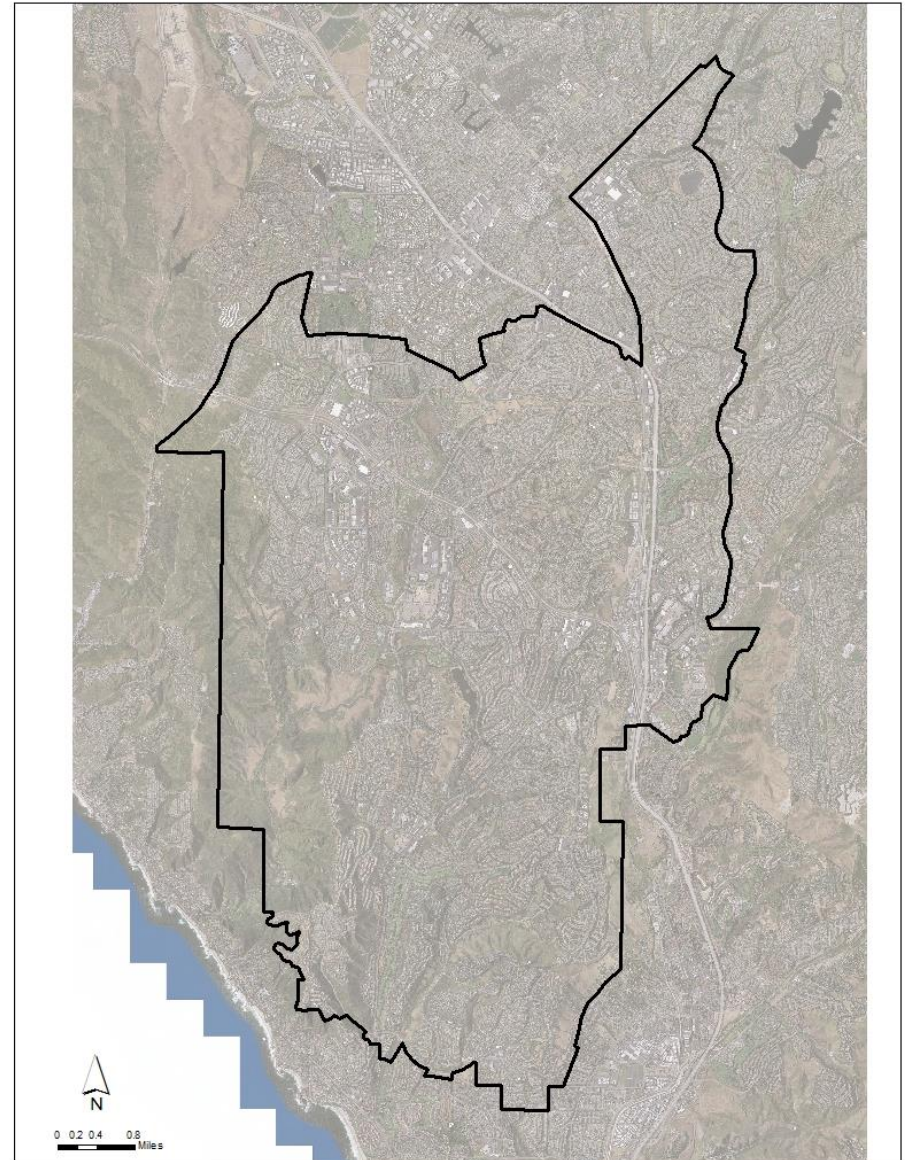
**Project Description:** Construct new or rebuild existing District administrative and operational facilities to support the needs and requirements for all District Departments.

**Project Need:** Currently, the District operates out of two offices (“Main Office” and “Maintenance Facility – 2A”). The existing facilities are in need of significant repair and/or expansion based on the size and condition of the current buildings. The District is evaluating options for constructing new facilities on existing sites or a potential new site, or rebuilding existing facilities at the current locations. The proposed project budget for either option is expected to be similar.

**Project Status:** In Planning/Proposed Project

### Estimated Project Amount:

Item	Estimated Cost
Design	\$2,000,000
CEQA Compliance	\$500,000
Construction	\$20,500,000
<b>Total Project Budget</b>	<b>\$23,000,000</b>



## Capital Improvement Program – Project Description

**Project No:** TBD

**System:** District Overall

**Fund:** 7

**Project Name:** *Corrosion Control Program*

**Project Location:** District-Wide

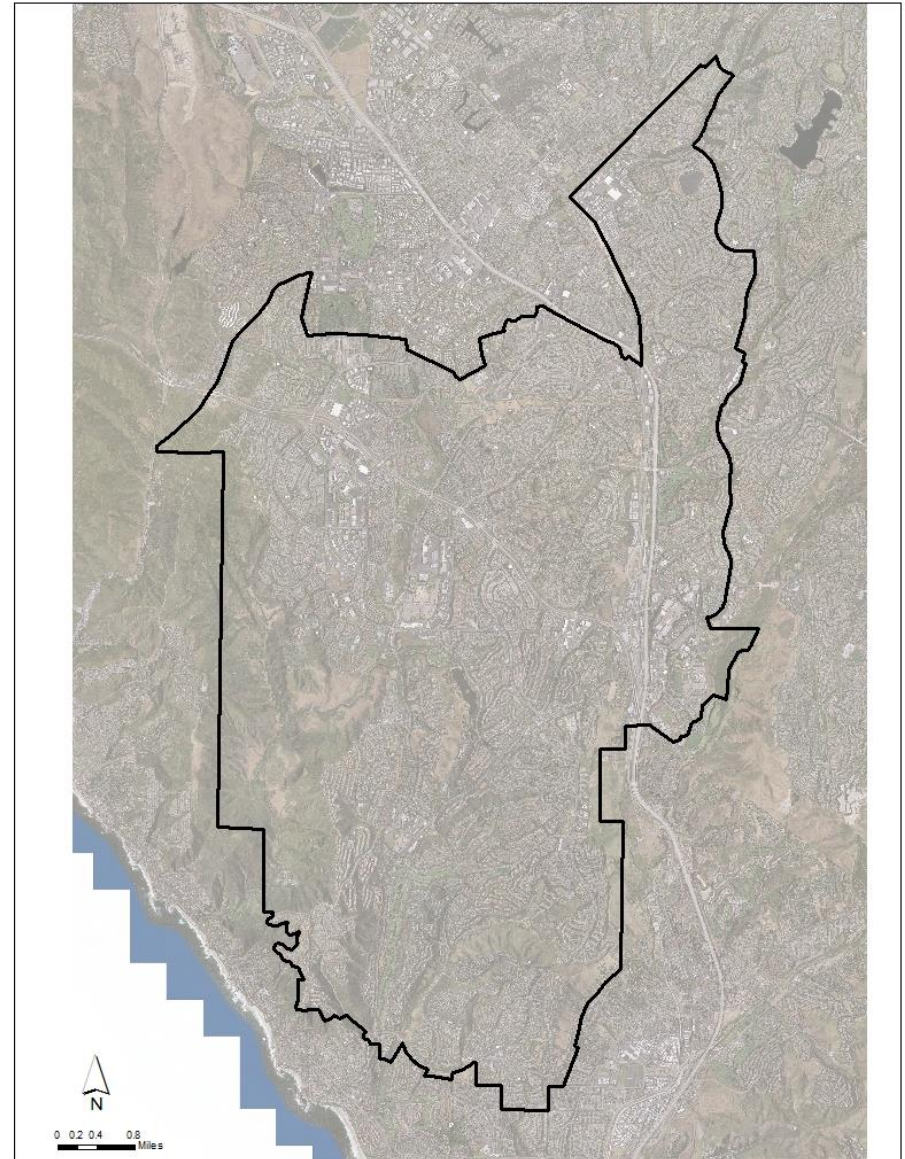
**Project Description:** Develop a corrosion control program for all buried metallic assets in the District. The program will identify needed improvements to the existing corrosion protection system, additional corrosion protection needs, and maintenance and inspection schedule for the corrosion protection system.

**Project Need:** The District has approximately 130 miles of metallic pipes in the potable and recycled water systems. The soils in the District's service area are also very corrosive towards metals. In order to maintain these assets, the District needs an assessment of its current corrosion control methodologies, status of the metallic network, and a plan on how to maintain the system.

**Project Status:** Proposed Project

### Estimated Project Amount:

Item	Estimated Cost
Design - Study	\$150,000
CEQA Compliance	Exempt
<b>Total Project Budget</b>	<b>\$150,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2006.038

**System:** District Overall

**Fund:** 7

**Project Name:** Replace Digital Lines with Wireless Network

**Project Location:** District Wide

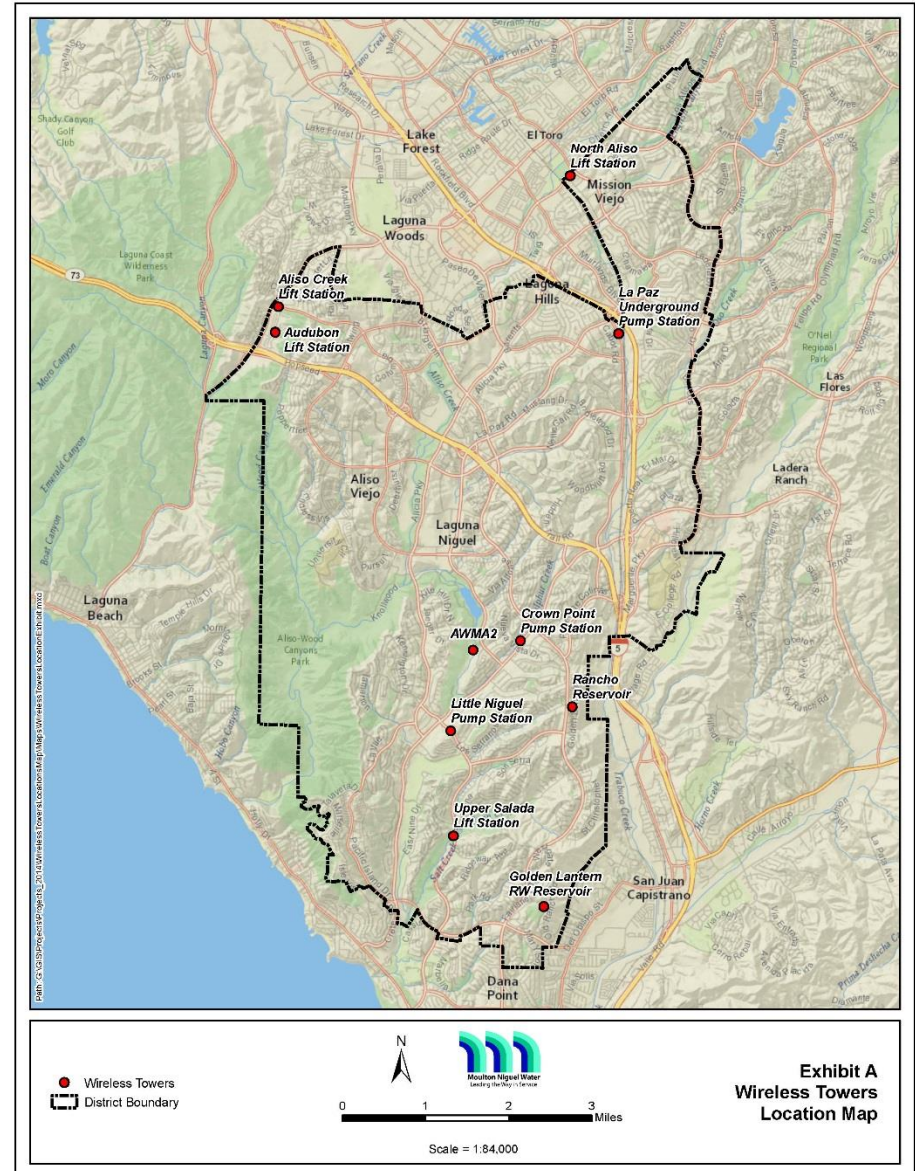
**Project Description:** The District is in the process of installing a wireless network for communication between various District facilities. Staff completed a majority of the installations with the remaining 10 sites requiring structural design due to pole requirements.

**Project Need:** In order to communicate with the various District facilities, a reliable network is needed. This wireless network replaces a failing digital lines network.

**Project Status:** In design and construction.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$100,000
CEQA Compliance	\$25,000
Construction Contract	\$550,000
Inspection	\$50,000
District Labor/Parts	\$1,375,781
<b>Total Project Budget</b>	<b>\$2,100,781</b>





## Capital Improvement Program – Project Description

**Project No:** 2011.033

**System:** District Overall

**Fund:** 7

**Project Name:** *Asset Management Program*

**Project Location:** District-wide

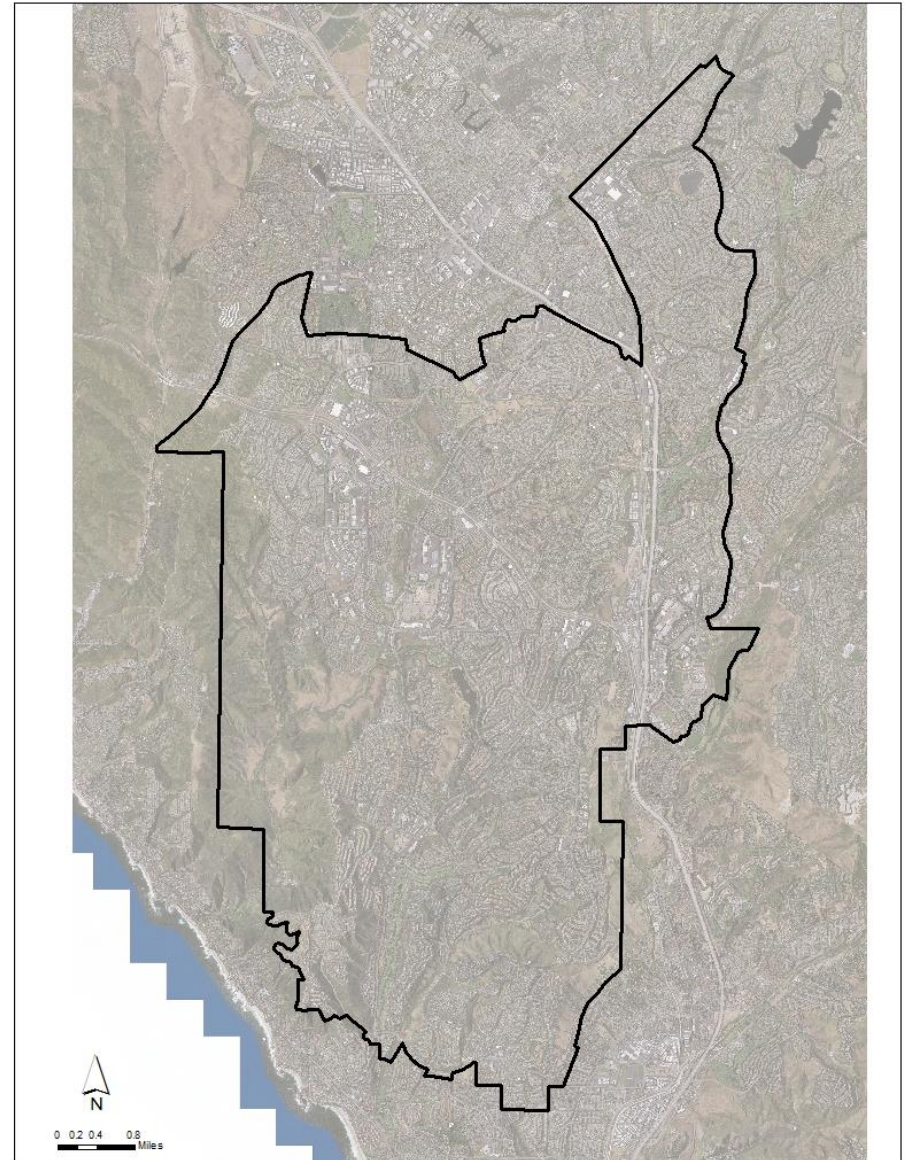
**Project Description:** Review existing Asset Management database – both structure and data – for accuracy and completeness. Identify and implement changes to software program, database, and data, to support advanced analysis for Replacement and Refurbishment (Fund 7) projects prioritization, Master Planning, and miscellaneous engineering and financial asset analyses.

**Project Need:** The District has previously utilized an Asset Management Program developed for the District by Brown and Caldwell. In support of the GIS Implementation Plan, the existing asset management database must be reviewed for content and completeness. Pertinent data must be migrated to the new GIS geodatabase, or linkages established between separate databases. Finally, the current program must be evaluated for future use, and other software packages reviewed for potential implementation. The Asset Management software, existing or new, will require configuration with the new GIS geodatabase, and workflows defined to assure that data and database linkages stay current.

**Project Status:** In planning

**Estimated Project Amount:**

Item	Estimated Cost
Design	\$50,000
Data Acquisition	\$100,000
Implementation	\$200,000
CEQA Compliance	Exempt
<b>Total Project Budget</b>	<b>\$350,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2011.077

**System:** District Overall

**Fund:** 14

**Project Name:** Moulton Peak Radio Tower Improvements

**Project Location:** Moulton Peak Reservoir, Aliso Viejo

**Project Description:** Improve access to site, and provide turn around for vehicles.

**Project Need:** The site was given to the District by COX Communication. The District has installed a vital communication system between the Main Office and Plant 2A on this site. There is no safe vehicle access to maintain and repair equipment.

**Project Status:** In planning.

**Estimated Project Amount:**

Item	Estimated Cost
Design	\$25,000
CEQA Compliance	\$10,000
Construction Contract	\$75,000
Inspection	\$5,000
<b>Total Project Budget</b>	<b>\$115,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2011.034

**System:** District Overall

**Fund:** 7

**Project Name:** *GIS Viewer and Configuration*

**Project Location:** District-wide

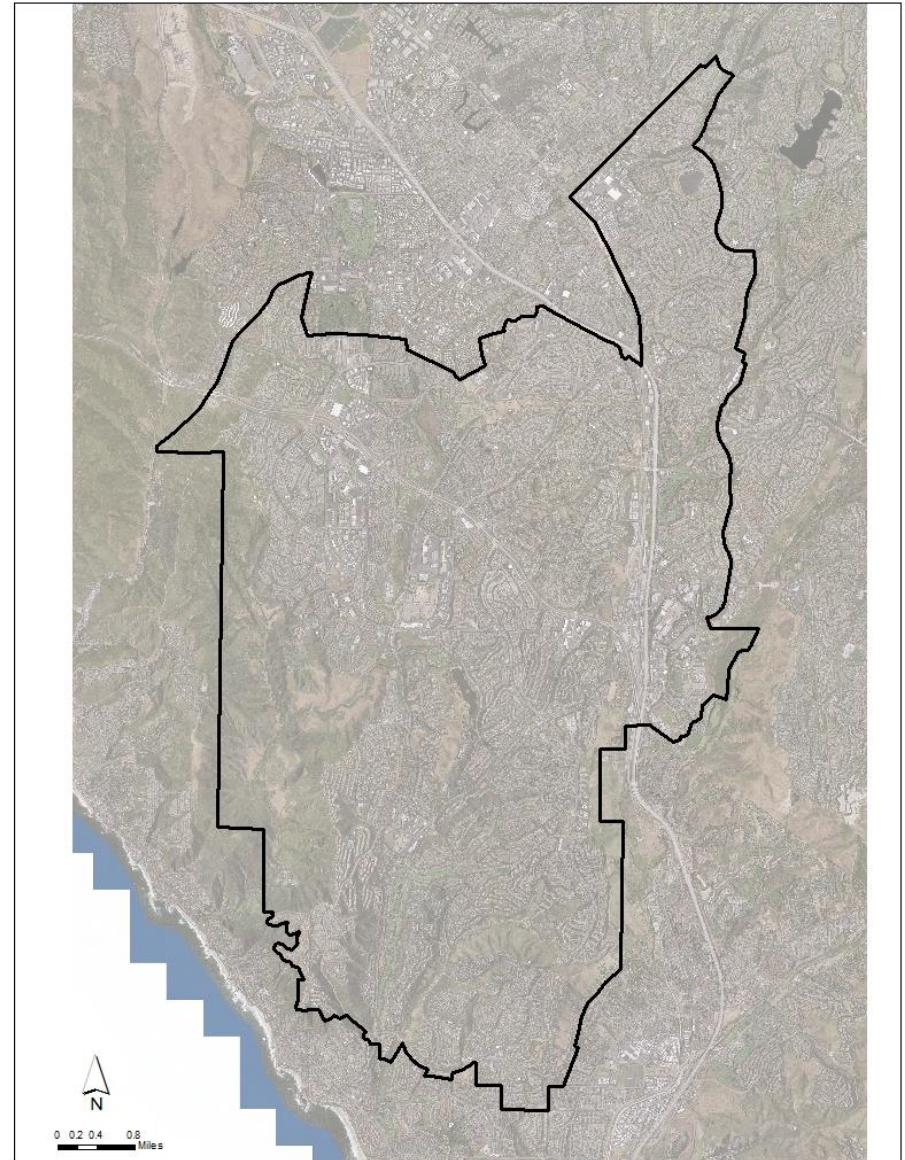
**Project Description:** Select, install, and configure a new GIS Viewer application for use across the District.

**Project Need:** As part of the GIS Implementation Plan, certain business needs have been identified throughout the District. There is a need for a new GIS Viewer that can be used across the District and allow for easy user interface, access to District asset data, display and reporting linkages between District databases, and advanced linkage and display of record drawings for customer service, operations and engineering, in order to support day-to-day operations.

**Project Status:** In planning.

**Estimated Project Amount:**

Item	Estimated Cost
Configuration	\$25,000
Software Acquisition	\$35,000
CEQA Compliance	Exempt
<b>Total Project Budget</b>	<b>\$60,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2011.024

**System:** District Overall

**Fund:** 7

**Project Name:** *Document Management/Paperless Agenda Project*

**Project Location:** MNWD Main Office, 27500 La Paz Road, Laguna Niguel

**Project Description:**

- Update computer hardware and software for agenda distribution, meeting notes, document management and legislative management action items
- Computerize equipment for recording all District meetings and provide live and website streaming, allowing a direct link to each agenda item
- Automated Staff Report workflow, enhanced web posting of meeting agendas and attached Staff Reports, electronic delivery of agenda to Board Members
- Manage meeting minutes during meeting with action notes linked to each agenda item
- Utilize LED monitor technology and touch screen monitors or small touch screen devices for meeting presentations, updated microphone and audio switching equipment. Include digital speaker queue, vote and roll call automation.

**Project Need:**

Need for improved staff efficiency and allowing for improving transparency to MNWD customers for all public meetings by provided audio of each meeting.

**Project Status:** Deferred until FY 2019/2020.

**Estimated Project Amount:**

Item	Estimated Cost
Implementation	\$389,000
CEQA Compliance	Exempt
<b>Total Project Budget</b>	<b>\$389,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2011.040

**System:** District Overall

**Fund:** 14

**Project Name:** Reservoir and Pump Sites Access

**Project Location:** District Wide

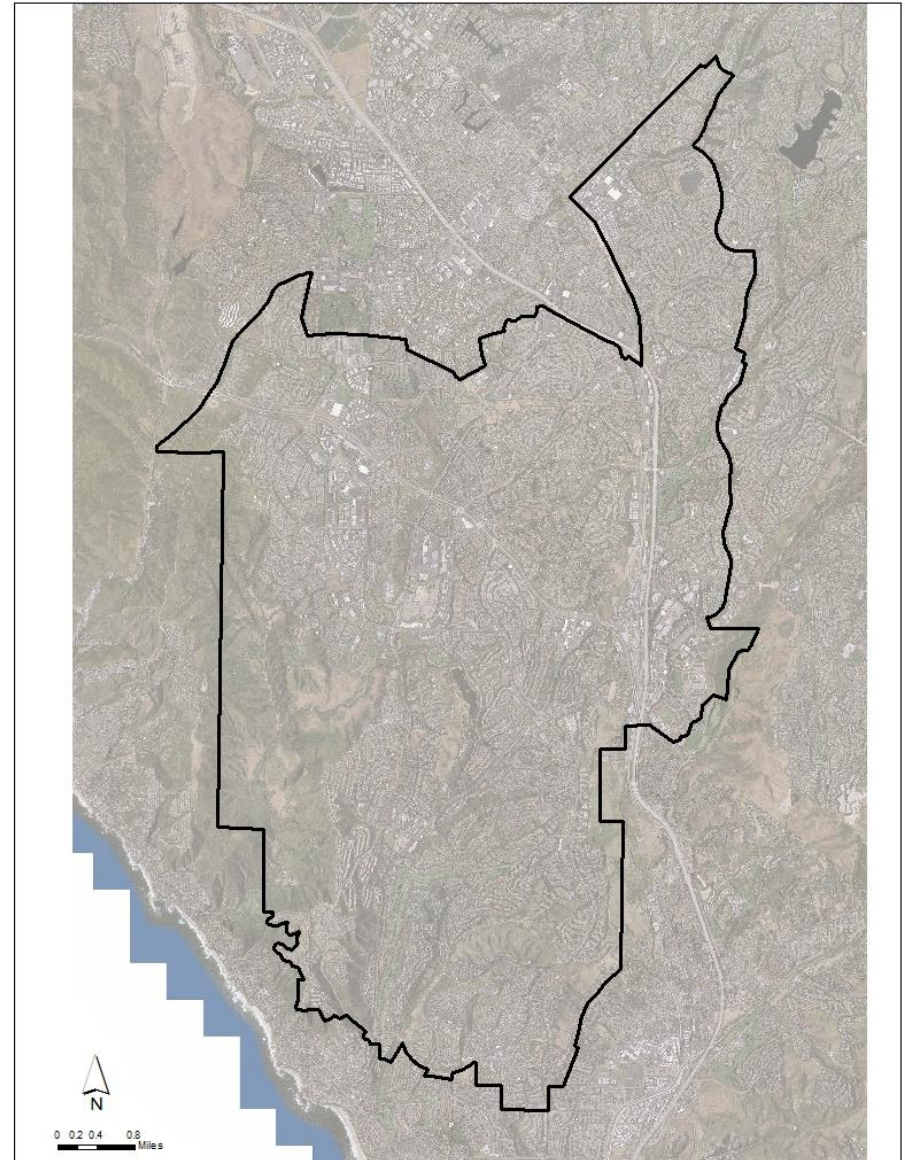
**Project Description:** Evaluate the access conditions at District facilities to determine ease and safety of access. Construct identified improvements.

**Project Need:** Many of the District facilities are located adjacent to busy roads with no room for District vehicles to park on-site. This creates a safety and access issue when District vehicles are parked on roads.

**Project Status:** In planning.

**Estimated Project Amount:**

Item	Estimated Cost
Design	\$28,000
CEQA Compliance	Exempt
Construction	\$140,000
Inspection	\$2,000
<b>Total Project Budget</b>	<b>\$170,000</b>



## Capital Improvement Program – Project Description

**Project No:** TBD

**System:** District Overall

**Fund:** 14

**Project Name:** Security Enhancements

**Project Location:** District-wide

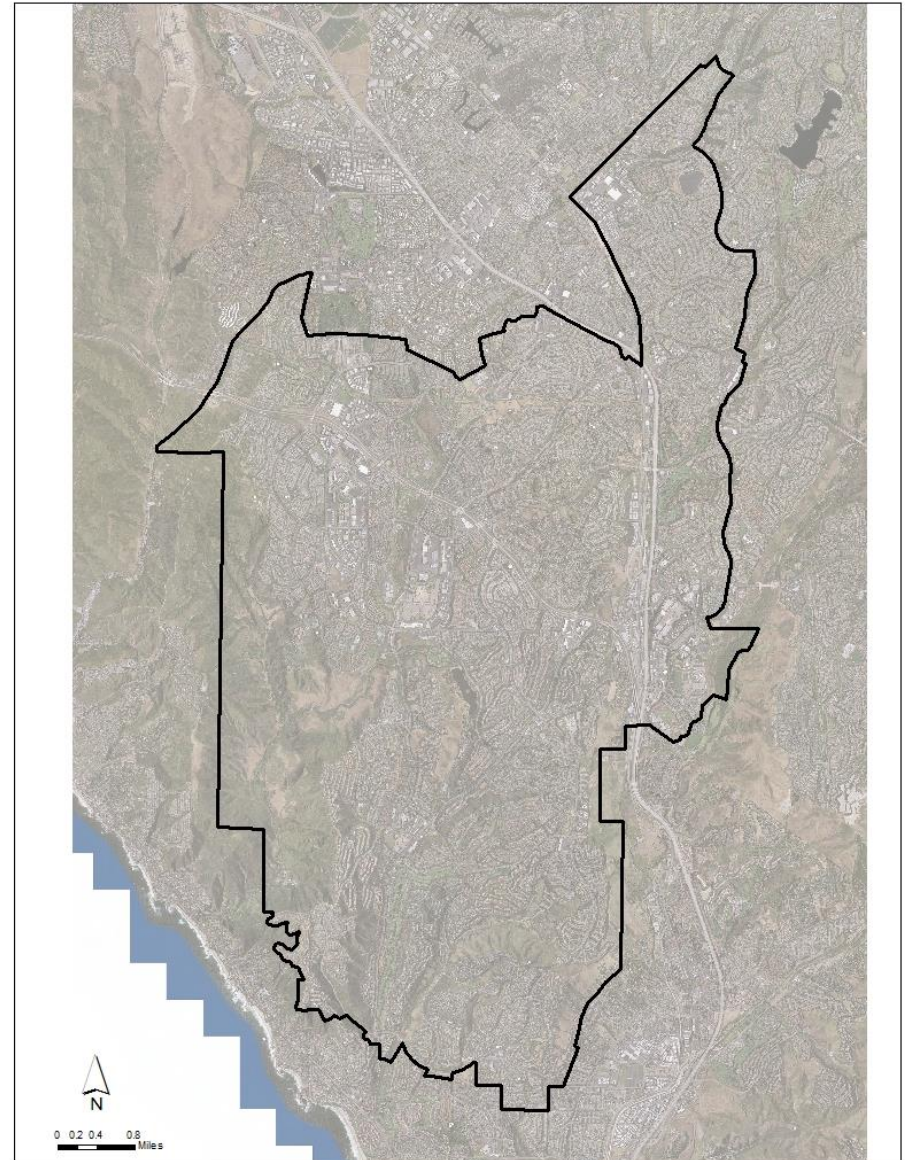
**Project Description:** A multi-year project to add security measures to District facilities. Security measures may include video cameras, motion detectors, open/close detectors, additional fencing, and gates. These security measures will be reviewed during the design phase of the project and will also be compared to the requirements of the most recent vulnerability assessment performed by the District.

**Project Need:** District facilities need to be hardened against intrusions, theft, and vandalism to protect the safety of the water supply. These enhancements will need to comply with the latest recommendations of the Department of Homeland Security and Environmental Protection Agency.

**Project Status:** Proposed Project

**Estimated Project Amount:**

Item	Estimated Cost
Design	\$60,000
CEQA Compliance	TBD
Construction Contract	\$900,000
Inspection	\$40,000
<b>Total Project Budget</b>	<b>\$1,000,000</b>



Potable

## Capital Improvement Program – Project Description

**Project No:** 2010.003

**System:** Potable

**Fund:** 14

**Project Name:** Kite Hill Pressure Reducing Station Relocation

**Project Location:** City of Laguna Niguel, intersection of Kite Hill South and Bobolink Rd.

**Project Description:** Construct pressure reducing station in the Kite Hill service area, 650 Zone to the 580 zone.

**Project Need:** The existing P.R. station was constructed in the mid 1970's. The existing valve and piping within the vault need to be replaced, as well as the vault structure itself.

**Project Status:** In construction.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$90,000
CEQA Compliance	Exempt
Construction	\$300,000
Inspection	\$10,000
<b>Total Project Budget</b>	<b>\$400,000</b>





## Capital Improvement Program – Project Description

**Project No:** 2011.038

**System:** Potable

**Fund:** 14

**Project Name:** East Aliso Creek Reservoir Recirculation System

**Project Location:** Laguna Niguel

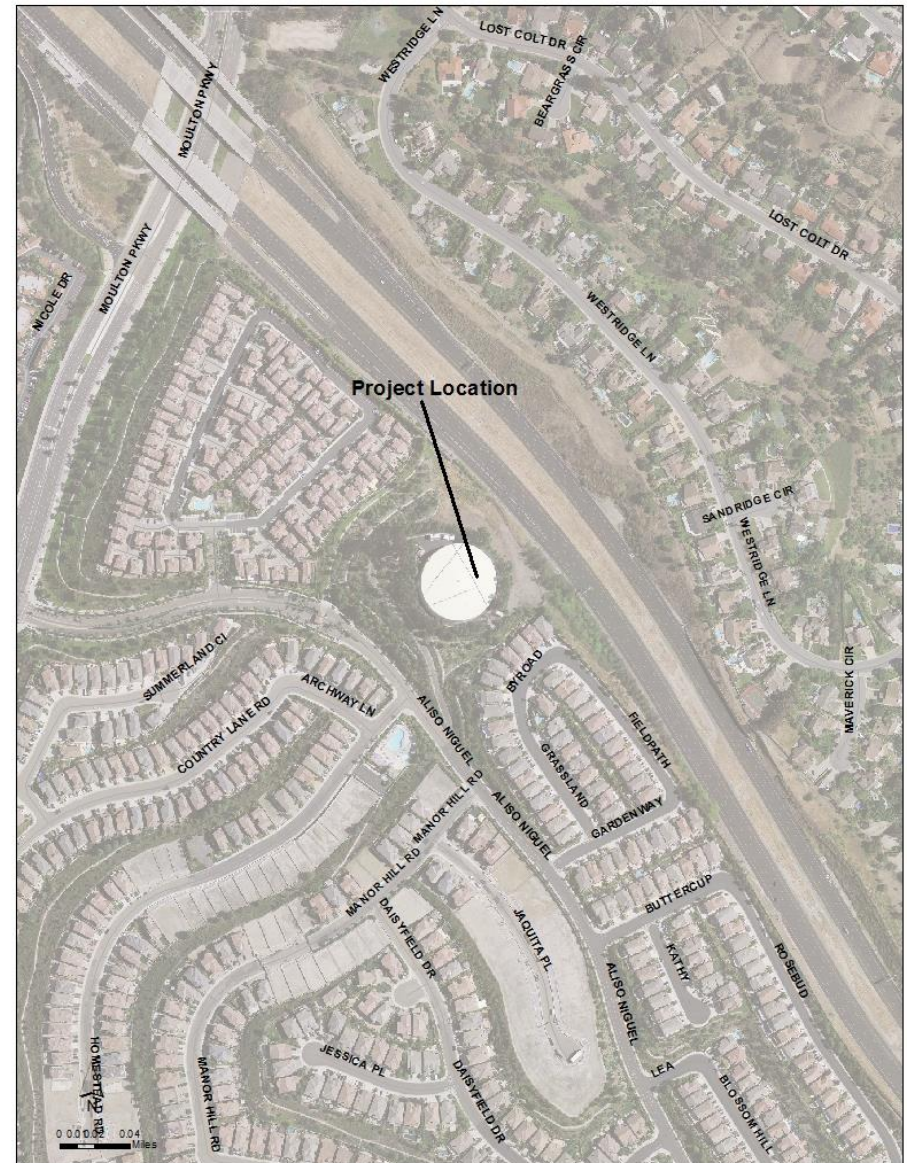
**Project Description:** Replace the existing recirculation system, install access hatches, and other appurtenance to facilitate water quality sampling from multiple points.

**Project Need:** The existing recirculation/chloramines dosing system is approaching its useful life and experiencing failures and increased maintenance and needs to be replaced. In addition, the 10-million gallon tank currently only has 1 access hatch on the room. Additional access hatches are needed to facilitate sampling in different quadrants of the reservoir.

**Project Status:** In construction.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$9,000
CEQA Compliance	Exempt
Construction	\$130,000
Inspection	\$2,000
<b>Total Project Budget</b>	<b>\$141,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2013-001

**System:** Potable

**Fund:** 7

**Project Name:** *East Aliso Creek Reservoir Re-Coating & Improvements*

**Project Location:** Laguna Niguel

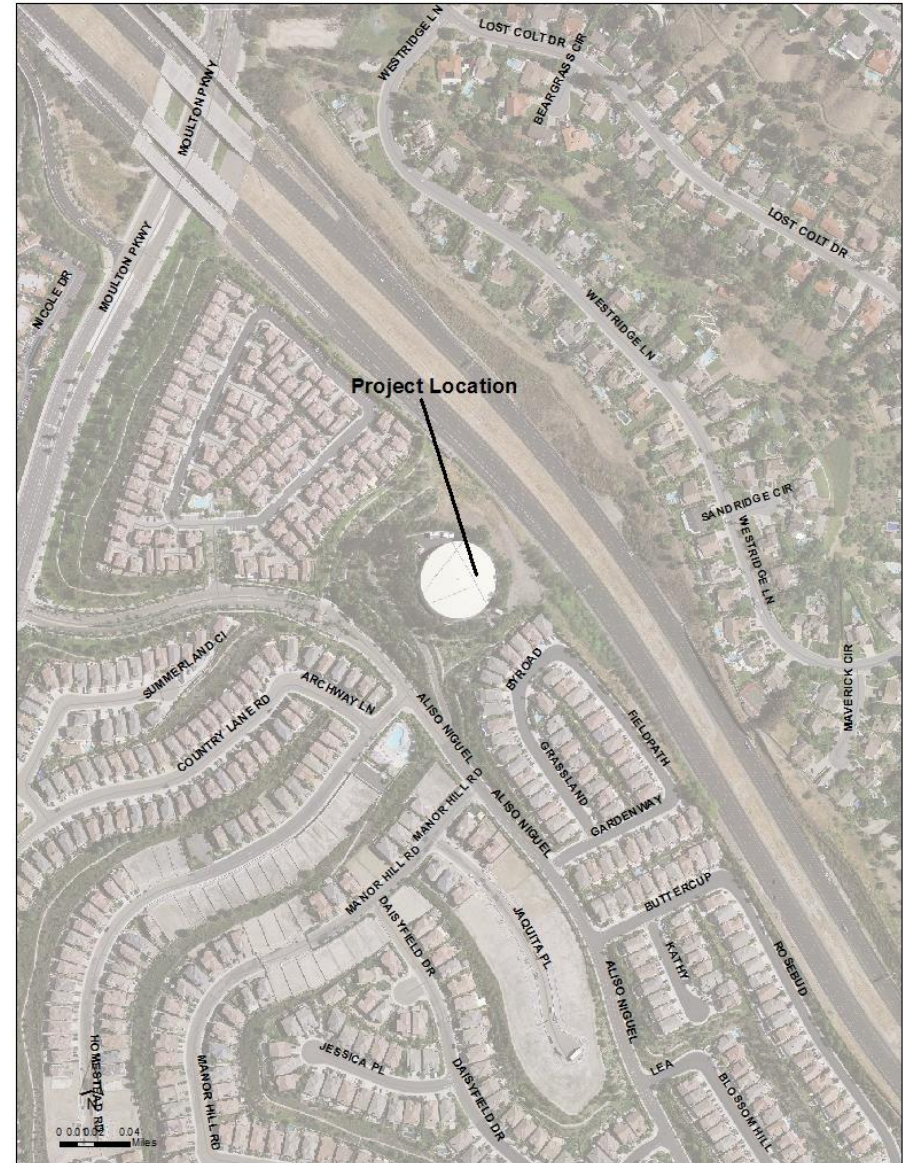
**Project Description:** Re-coat the interior and exterior of the steel reservoir. Relocate the overflow to the outside of the tank; provide an air gap between the overflow and the drain; install a spiral staircase and a roof safety cable system to improve operation and meet current regulations.

**Project Need:** Steel reservoirs are coated to prevent oxidation of the steel shell. The life expectancy of a coating system is between 15 to 20 years. The District inspects all of its reservoirs every 10 years to determine if and when recoating is needed. This project addresses the periodic nature of this activity for this asset group. The spiral staircase and a roof safety cable system provide improved safety features for personnel that perform maintenance on the tank.

**Project Status:** In construction.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$250,000
CEQA Compliance	Exempt
Construction Contract	\$2,300,000
Inspection	\$0
<b>Total Project Budget</b>	<b>\$2,550,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2013-011

**System:** Potable

**Fund:** 7

**Project Name:** *Wood Canyon Potable Reservoir Re-Coating & Improvements*

**Project Location:** Aliso Viejo

**Project Description:** Re-coat the interior and exterior of the 3.4 MG steel reservoir. Relocate the overflow to the outside of the tank; provide an air gap between the overflow and the drain; install roof handrail around the entire perimeter to improve operation and safety, and to meet current regulations.

**Project Need:** Steel reservoirs are coated to prevent oxidation of the steel shell. The life expectancy of a coating system is between 15 to 20 years. The District inspects all of its reservoirs every 10 years to determine if and when recoating is needed. This project addresses the periodic nature of this activity for this asset group. The air gap is required to meet CDPH requirements. The roof handrail provides improved safety features for personnel that perform maintenance on the tank.

**Project Status:** In construction.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$12,000
CEQA Compliance	Exempt
Construction Contract	\$743,000
Inspection	\$45,000
<b>Total Project Budget</b>	<b>\$800,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2010.018

**System:** Potable

**Fund:** 7

**Project Name:** *Mathis/Oso By-Pass*

**Project Location:** Oso Parkway at Bridlewood Drive, Laguna Hills

**Project Description:** Preparation of design plans and contract documents for the construction of abandonment of the existing vault and new vault.

**Project Need:** The existing pressure reducing vault is located in the middle lane of Oso Parkway, a 50-mph arterial road. The vault is approaching the end of its useful life with a number of equipment pieces already failed. The vault also has a height limitation making it difficult to enter and work in.

**Project Status:** In design.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$60,000
CEQA Compliance	exempt
Construction Contract	\$330,000
Inspection	\$10,000
<b>Total Project Budget</b>	<b>\$400,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2011.010

**System:** Potable

**Fund:** 7

**Project Name:** *Hillary Pressure Reducing Station Replacement*

**Project Location:** Hillary Lane & Cadillac Drive, Laguna Hills

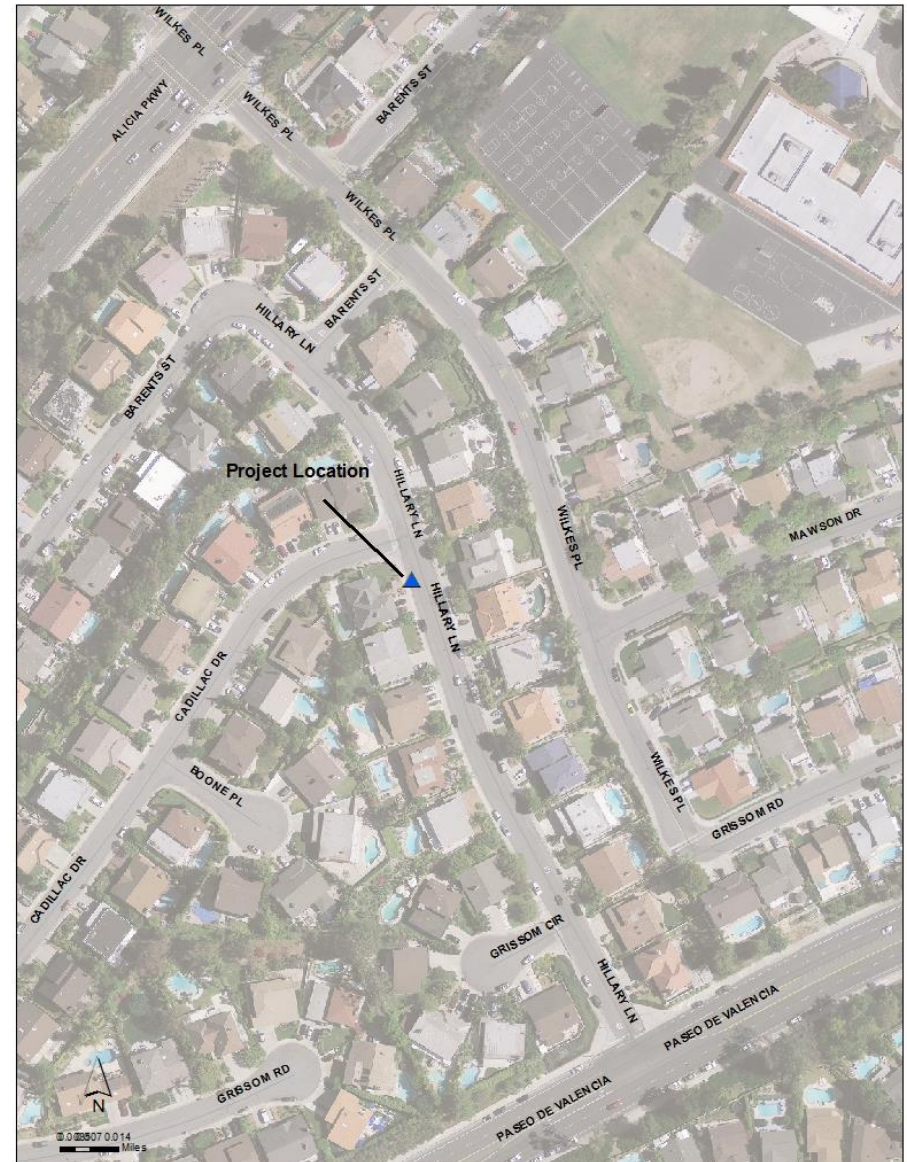
**Project Description:** Removal of existing pressure reducing station and construction of a new station.

**Project Need:** The facility is approaching its useful life and is in a hard-to access location with substandard design that makes it difficult and dangerous to access and maintain. It needs to be relocated for easier and safer access and to replace aging equipment.

**Project Status:** In design.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$30,000
CEQA Compliance	exempt
Construction	\$290,000
Inspection	\$30,000
<b>Total Project Budget</b>	<b>\$350,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2011.011

**System:** Potable

**Fund:** 7

**Project Name:** *Inspection of 54-Inch Central Intertie Pipeline (CIP)*

**Project Location:** Oso Parkway, Bridlewood Drive to Antonio Parkway, Cities of Mission Viejo and Laguna Hills

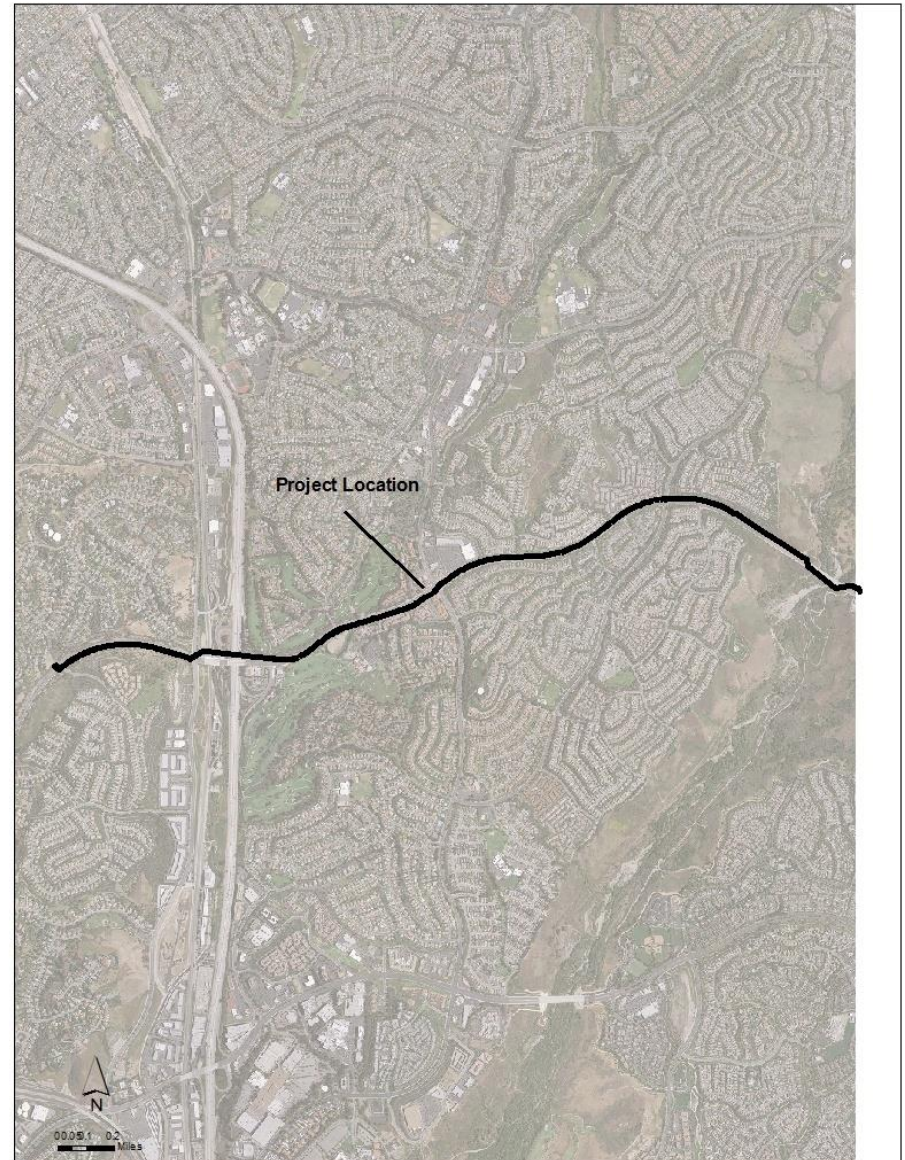
**Project Description:** Non-destructive inspection of the pipeline.

**Project Need:** This pipeline has not been inspected since its construction in the early 1990s. As a critical water delivery facility, failure of this line would be catastrophic to District operations. As such, the District staff needs to understand the condition of the pipeline, future inspection requirements, and what the repair and rehabilitation needs are. The staff's goal for this project is to have a cost effective solution to maintaining the CIP in good working order to maintain uninterrupted service.

**Project Status:** In design (inspection/assessment of pipeline).

### Estimated Project Amount:

Item	Estimated Cost
Inspection	\$250,000
CEQA Compliance	exempt
District Labor	\$1,000
Other project expenses	\$17,788
<b>Total Project Budget</b>	<b>\$268,788</b>



## ***Capital Improvement Program – Project Description***

**Project No:** 2011.012

**System:** Potable

**Fund:** 7

**Project Name:** *Largo Pressure Reducing Station Replacement*

**Project Location:** Largo Drive & El Capitan Lane, Laguna Hills

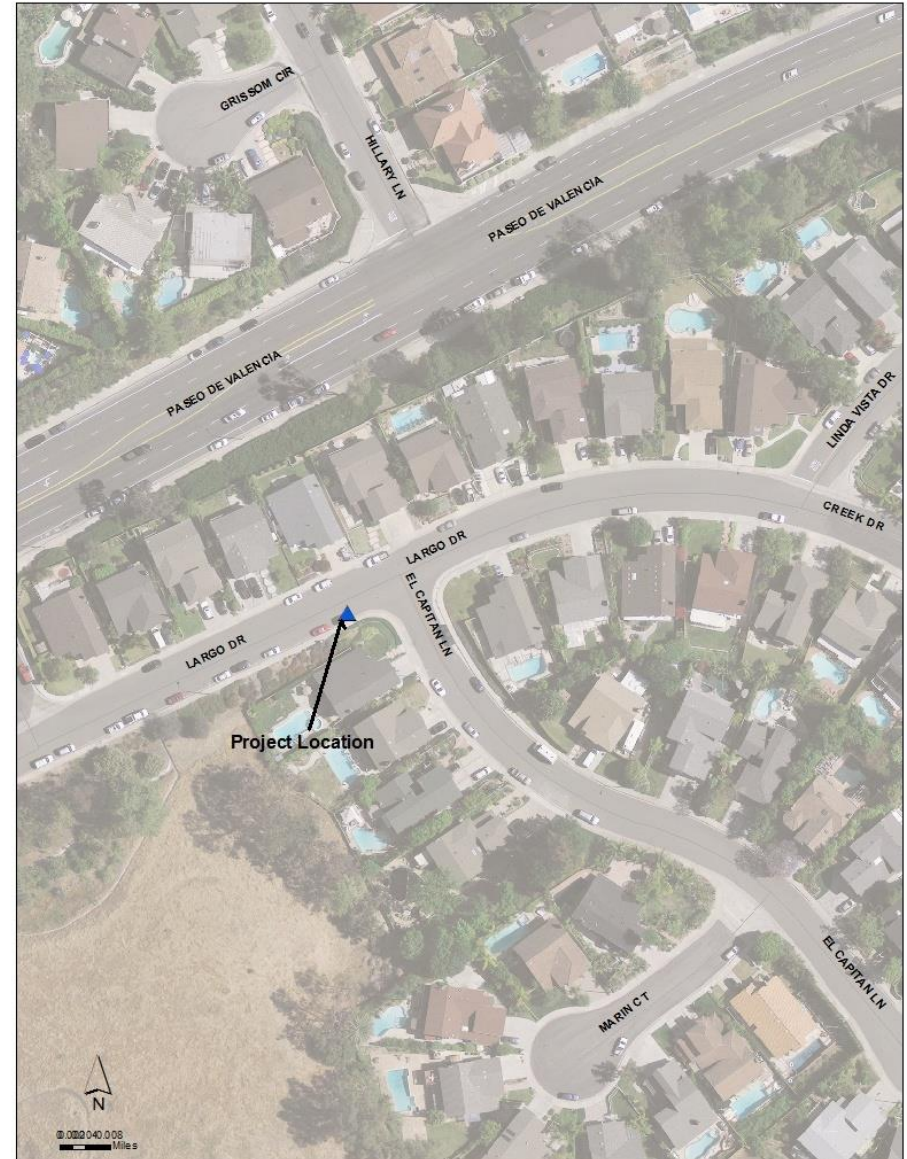
**Project Description:** Removal of existing pressure reducing station and construction of a new station.

**Project Need:** The facility is approaching its useful life and is in a hard-to-access location with a substandard design that makes it difficult and dangerous to access and maintain. It needs to be relocated for easier and safer access and to replace aging equipment.

**Project Status:** In design.

**Estimated Project Amount:**

<b>Item</b>	<b>Estimated Cost</b>
Design	\$30,000
CEQA Compliance	exempt
Construction	\$290,000
Inspection	\$30,000
<b>Total Project Budget</b>	<b>\$350,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2011.014

**System:** Potable and Recycled

**Fund:** 7

**Project Name:** *Seismic and Structural Assessment of Steel Reservoirs*

**Project Location:** District Wide

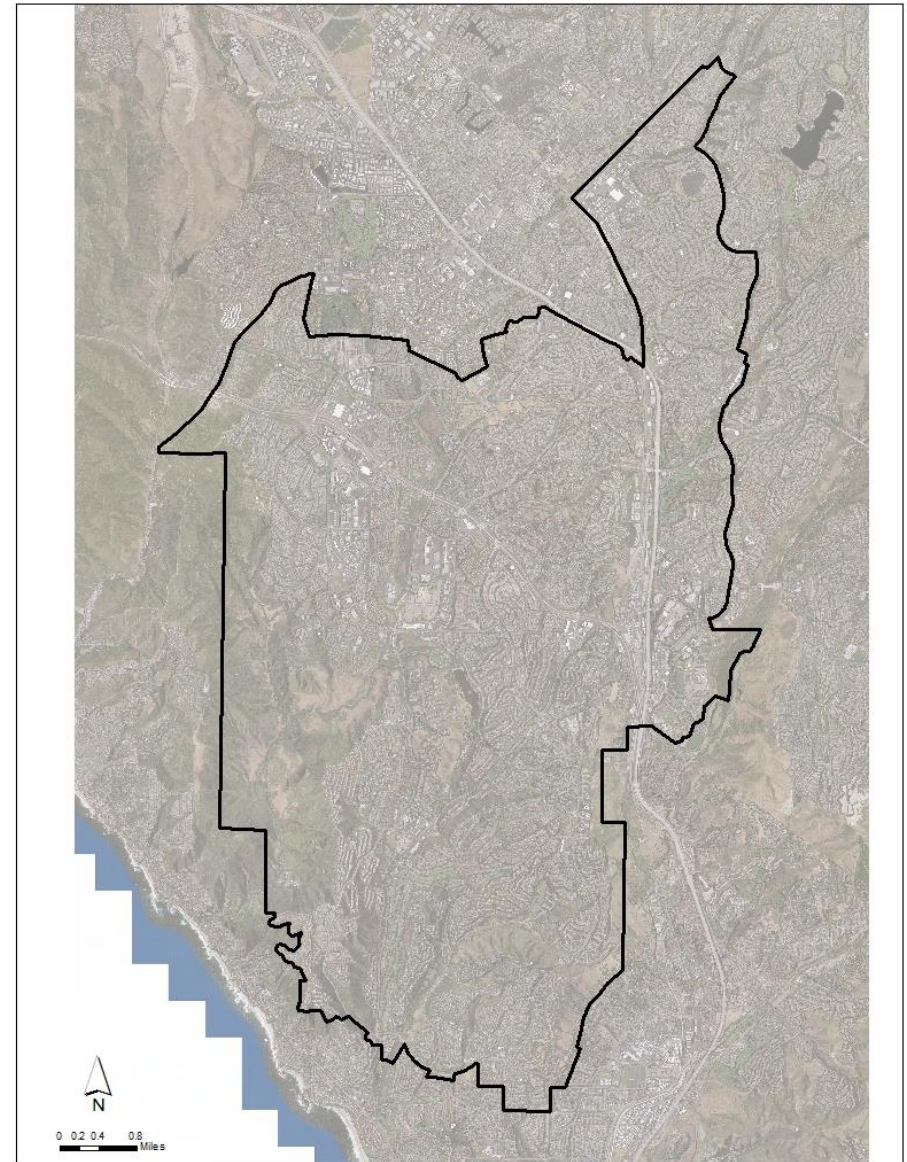
**Project Description:** Seismic, structural, and safety assessment and analysis of the District's 32 steel tanks. The scope of services includes data collection, site visits, review of tank inspection reports, and evaluation of structural and seismic parameters, piping, appurtenances, concrete deterioration, safety, and location of sample ports.

**Project Need:** These steel tank reservoirs have been built over nearly 40 years from 1963 to 2002. Some of the reservoirs may not meet today's stringent seismic standards, may be structurally deficient, and may require safety related improvements. The purpose of this study is to evaluate each reservoir for their seismic, structural, and safety deficiencies, if any.

**Project Status:** In design (assessment).

### Estimated Project Amount:

Item	Estimated Cost
Assessment	\$205,192
CEQA Compliance	Exempt
Construction Contract	\$0
District labor, contingency	\$12,000
<b>Total Project Budget</b>	<b>\$217,192</b>





## Capital Improvement Program – Project Description

**Project No:** 2011.015

**System:** Potable

**Fund:** 7

**Project Name:** Wilkes Pressure Reducing Station Replacement

**Project Location:** Laguna Hills

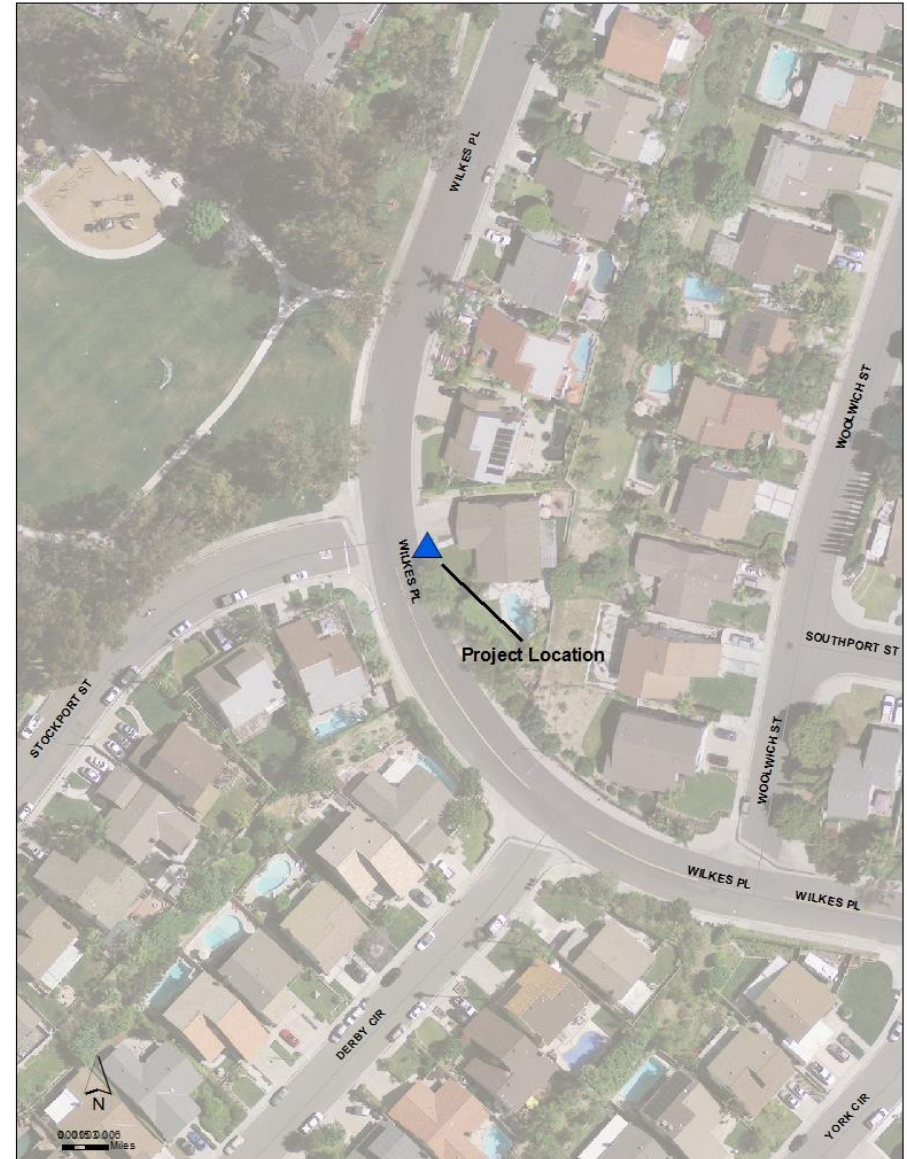
**Project Description:** Removal of existing pressure reducing station and construction of a new station.

**Project Need:** The facility is approaching the end to its useful life and is in a hard-to-access location with substandard design that makes it difficult and dangerous to access and maintain. It needs to be relocated for easier and safer access and to replace aging equipment.

**Project Status:** In design.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$30,000
CEQA Compliance	exempt
Construction Contract	\$290,000
Inspection	\$30,000
<b>Total Project Budget</b>	<b>\$350,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2012.009

**System:** Potable

**Fund:** 7

**Project Name:** *Beacon Hill Pump Station Pump and Generator Replacement*

**Project Location:** 24800 Beacon Hill Lane, Laguna Niguel

**Project Description:** Replace existing auxiliary pump engine with a package fire pump system and driver arrangement on a skid (propane).

**Project Need:** The existing auxiliary pump engine and pump and motors are 30-years old. The spare parts for the equipment are no longer available and the maintenance requirements have increased significantly as the equipment has been in service significantly past normal life expectancy for this type of equipment.

**Project Status:** In design.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$50,000
CEQA Compliance	Exempt
Construction Contract	\$536,098
Inspection	\$25,000
<b>Total Project Budget</b>	<b>\$611,098</b>



## Capital Improvement Program – Project Description

**Project No:** 2012.028

**System:** Potable

**Fund:** 14

**Project Name:** Generator at Bear Brand Reservoir

**Project Location:** Bear Brand Reservoir, 24939 Beacon Hill Way, Laguna Niguel

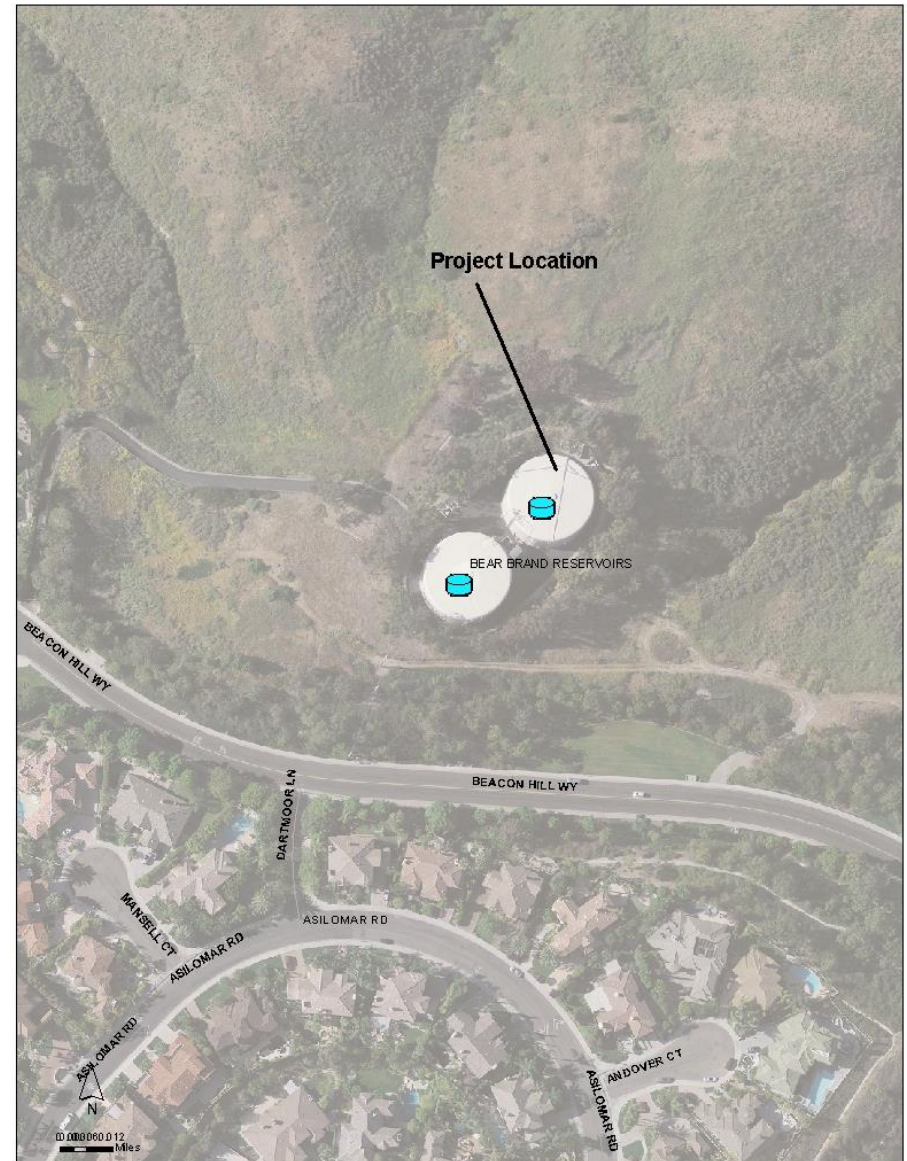
**Project Description:** Install 10KW generator, 100 amp ATS and propane tank.

**Project Need:** Back-up power is required to operate the SCADA and auxiliary facilities at this site during power failures and black-outs.

**Project Status:** In design.

**Estimated Project Amount:**

Item	Estimated Cost
Design	\$15,000
CEQA Compliance	Exempt
Construction/Installation/Equipment	\$24,000
Inspection	\$1,000
<b>Total Project Budget</b>	<b>\$40,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2012.031

**System:** Potable

**Fund:** 14

**Project Name:** Generator at Mathis Reservoir Pump Station

**Project Location:** 25655 Nellie Gail, Laguna Hills

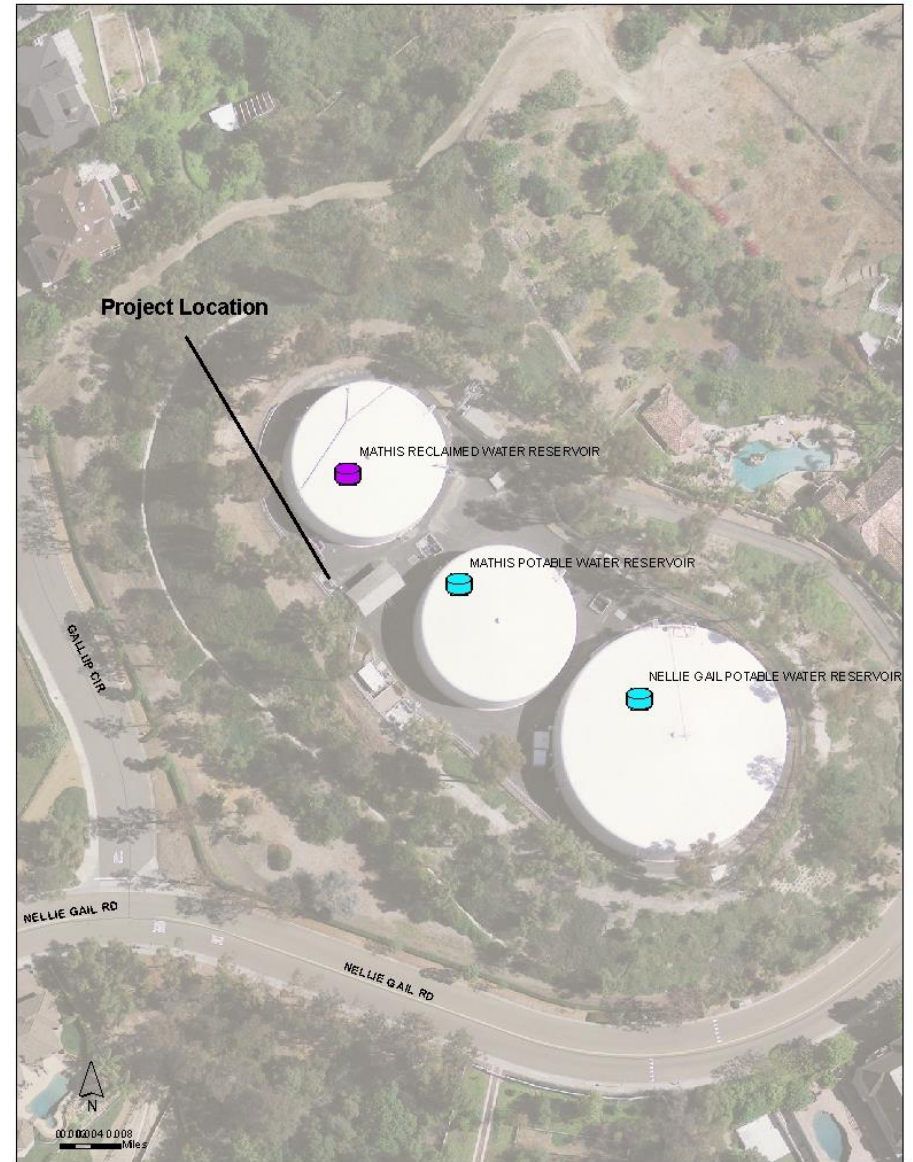
**Project Description:** Install 10KW generator, 100 amp ATS and propane tank.

**Project Need:** Back-up power is required to operate the SCADA and auxiliary facilities at this site during power failures and black-outs.

**Project Status:** In design.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$15,000
CEQA Compliance	Exempt
Construction/Installation/Equipment	\$24,000
Inspection	\$1,000
<b>Total Project Budget</b>	<b>\$40,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2012.029

**System:** Potable

**Fund:** 14

**Project Name:** Generator at Bridlewood Takeout

**Project Location:** Bridlewood Takeout, 25483 Bridlewood Dr., Laguna Hills

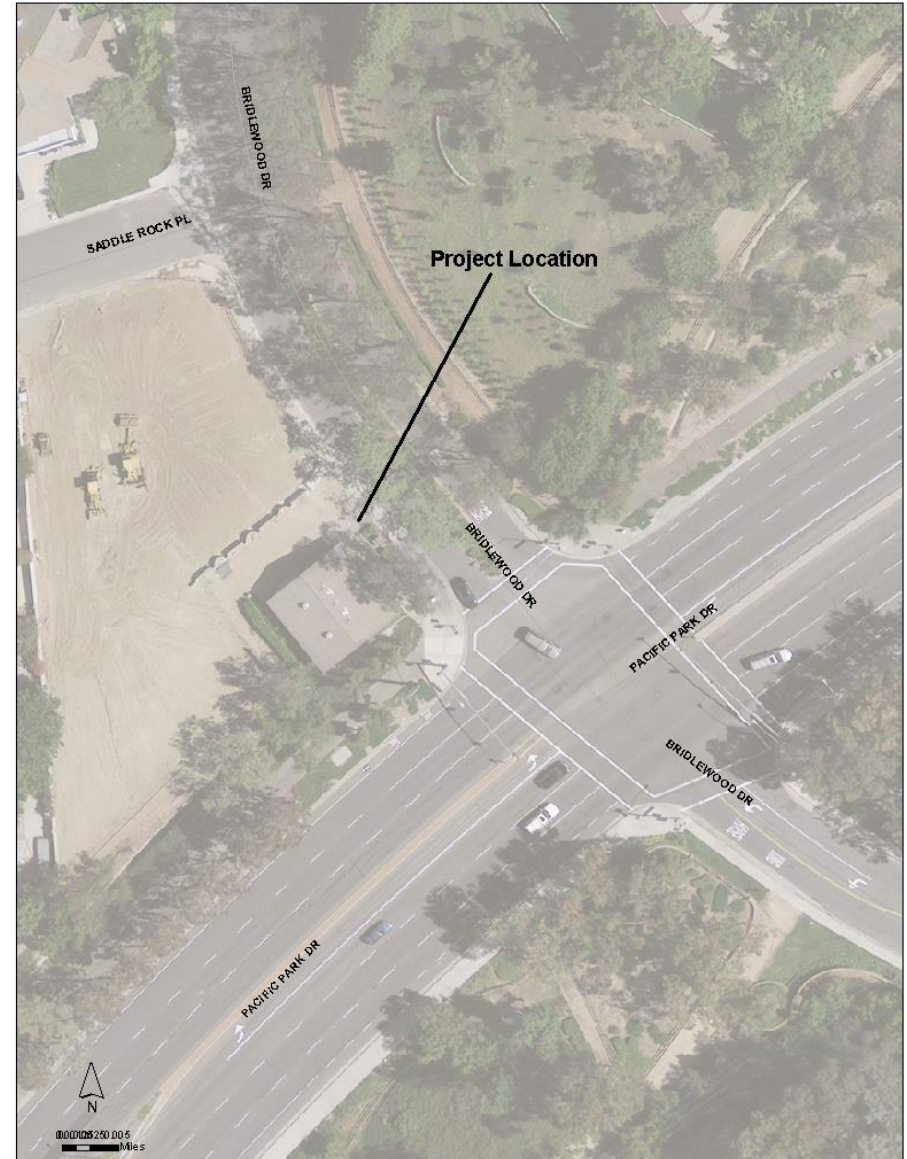
**Project Description:** Install 10KW generator, 100 amp ATS and propane tank.

**Project Need:** Back-up power is required to operate the SCADA and auxiliary facilities at this site during power failures and black-outs.

**Project Status:** In design.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$15,000
CEQA Compliance	Exempt
Construction/Installation/Equipment	\$24,000
Inspection	\$1,000
<b>Total Project Budget</b>	<b>\$40,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2012.030

**System:** Potable

**Fund:** 14

**Project Name:** Generator at Marguerite Reservoir

**Project Location:** 26433 Ganiza, Mission Viejo

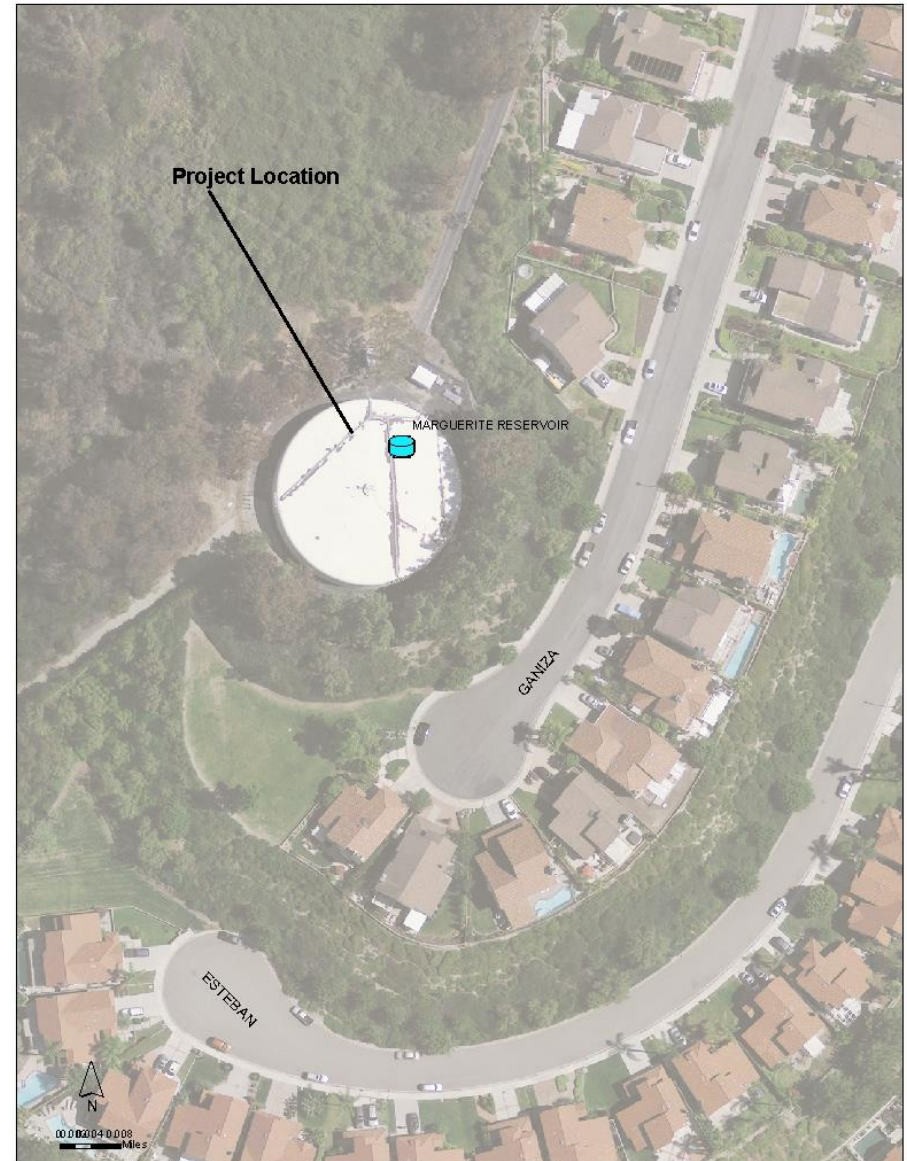
**Project Description:** Install 10KW generator, 100 amp ATS and propane tank.

**Project Need:** Back-up power is required to operate the SCADA and auxiliary facilities at this site during power failures and black-outs.

**Project Status:** In design.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$15,000
CEQA Compliance	Exempt
Construction/Installation/Equipment	\$24,000
Inspection	\$1,000
<b>Total Project Budget</b>	<b>\$40,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2012.031

**System:** Potable

**Fund:** 14

**Project Name:** Generator at Mathis Reservoir Pump Station

**Project Location:** 25655 Nellie Gail, Laguna Hills

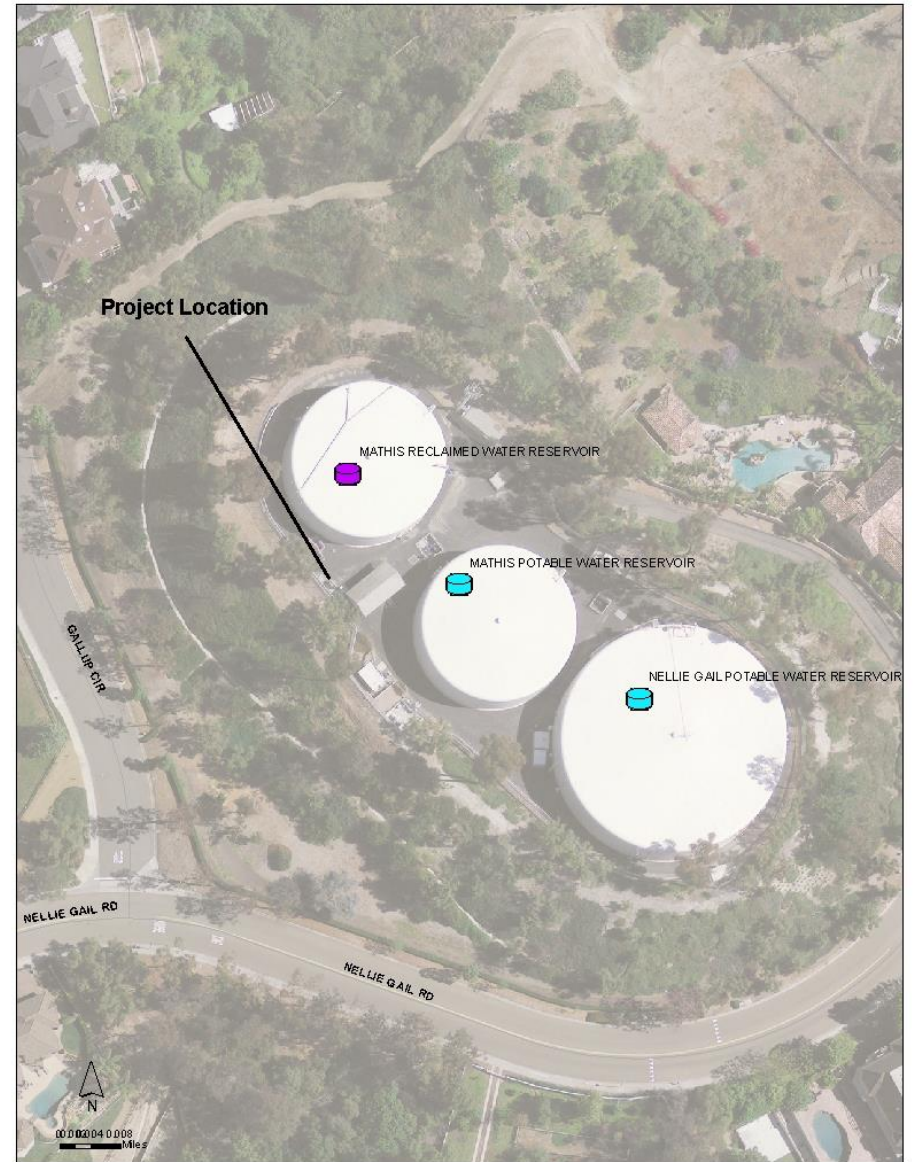
**Project Description:** Install 10KW generator, 100 amp ATS and propane tank.

**Project Need:** Back-up power is required to operate the SCADA and auxiliary facilities at this site during power failures and black-outs.

**Project Status:** In design.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$15,000
CEQA Compliance	Exempt
Construction/Installation/Equipment	\$24,000
Inspection	\$1,000
<b>Total Project Budget</b>	<b>\$40,000</b>



## Capital Improvement Program – Project Description

**Project No:** 2012.033

**System:** Potable

**Fund:** 14

**Project Name:** Generator at Seville Reservoir

**Project Location:** 23391 Via Bahia, Mission Viejo

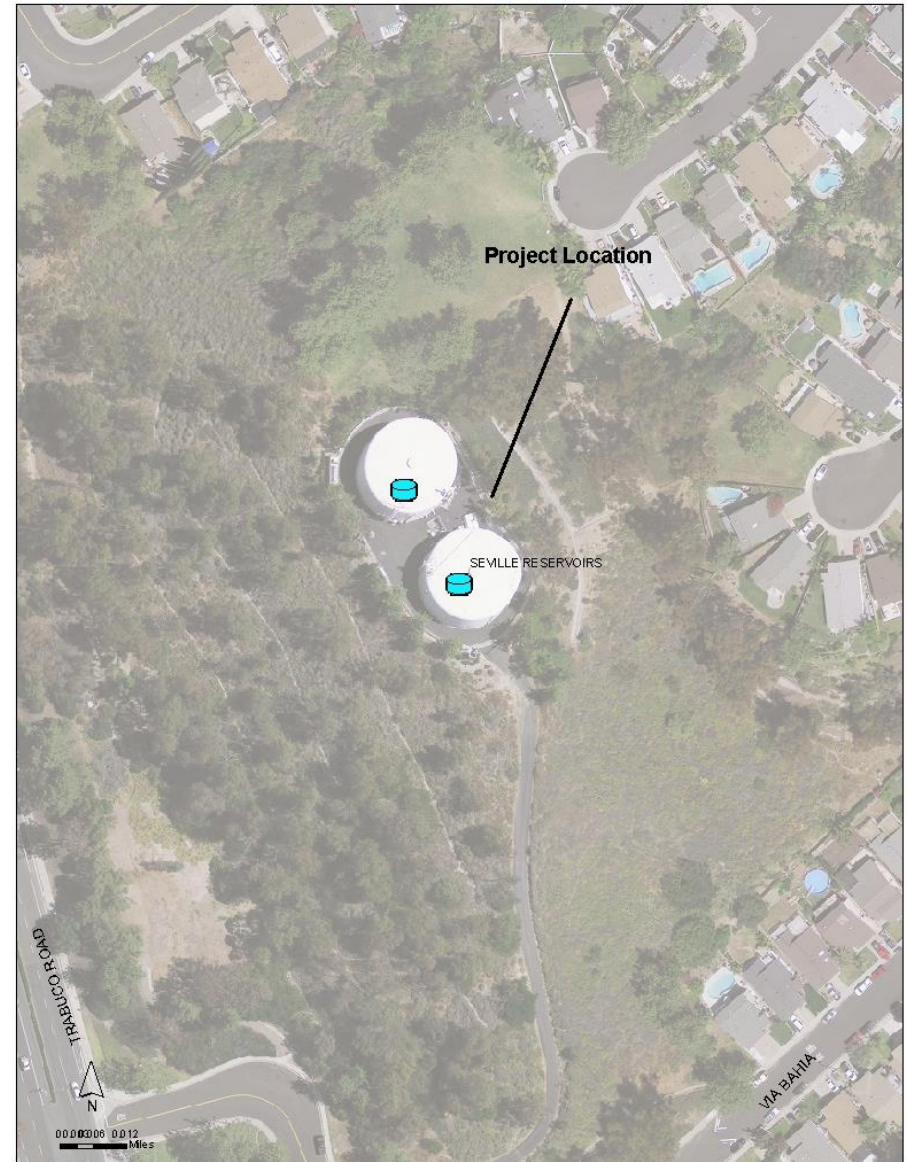
**Project Description:** Install 10KW generator, 100 amp ATS and propane tank.

**Project Need:** Back-up power is required to operate the SCADA and auxiliary facilities at this site during power failures and black-outs.

**Project Status:** In design.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$15,000
CEQA Compliance	Exempt
Construction/Installation/Equipment	\$24,000
Inspection	\$1,000
<b>Total Project Budget</b>	<b>\$40,000</b>





## Capital Improvement Program – Project Description

**Project No:** 2012.034

**System:** Potable

**Fund:** 14

**Project Name:** *La Paz – Moulton Pkwy System Reconfiguration*

**Project Location:** Intersection of La Paz Road & Moulton Parkway

**Project Description:** This project will evaluate the system hydraulics, alternate options of water delivery, design the selected alternative, and construct the improvements in order to replace failing 450 and 650 zone pipelines in business center.

**Project Need:** The project area has experienced a significant number of pipe failures (four in the past year alone, with three in previous years) in the last few years causing the local business to lose water for extended periods. The frequency of the leaks is becoming unacceptable to the community and a solution needs to be developed. It appears that the ductile iron pipe installed in native soil is failing from outside corrosion.

**Project Status:** In design.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$75,000
CEQA Compliance	Exempt
Construction Contract	\$415,000
Inspection	\$10,000
<b>Total Project Budget</b>	<b>\$500,000</b>



## Capital Improvement Program – Project Description

**Project No:** TBD

**System:** Potable

**Fund:** 7

**Project Name:** *Potable Projects per Asset Management Model*

**Project Location:** District-wide

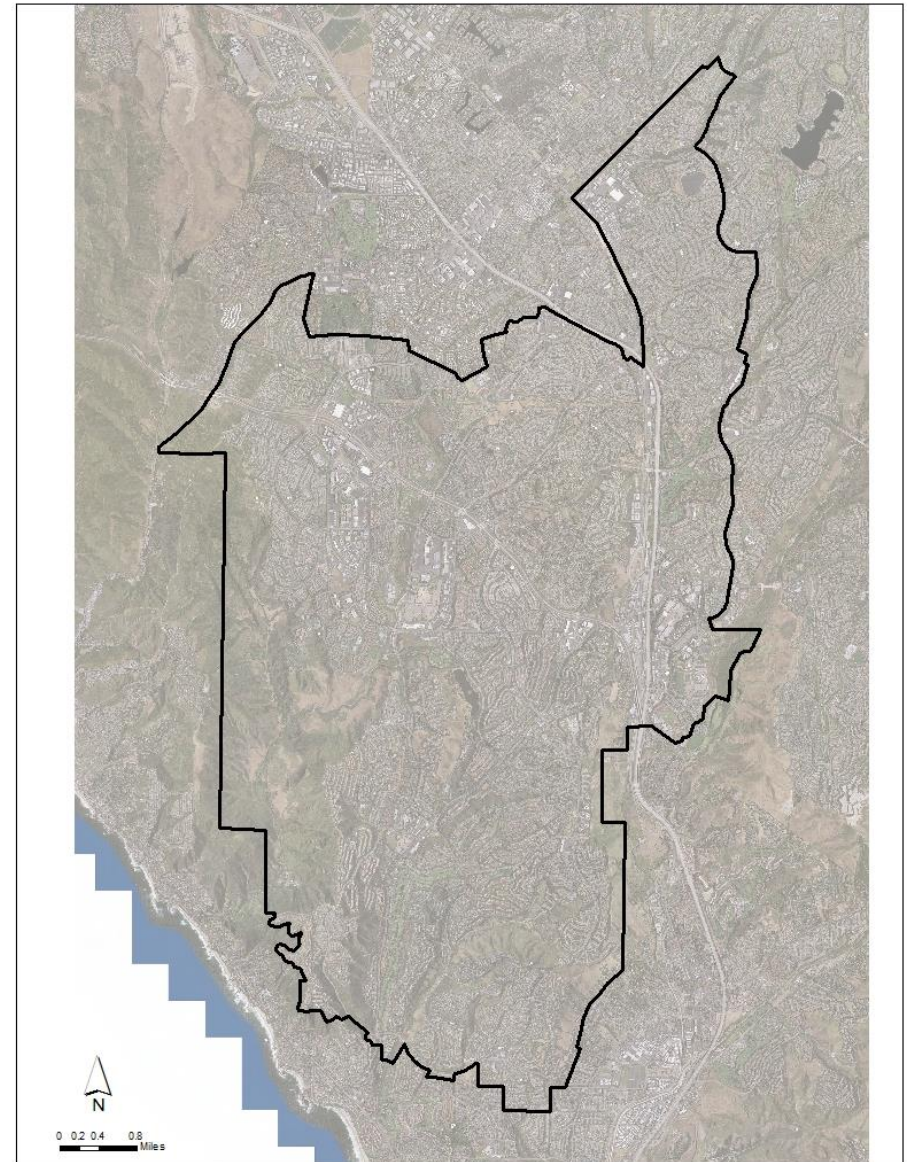
**Project Description:** Implement replacement and rehabilitation (R&R) projects utilizing funds identified as a minimum investment in the asset management model. These funds are a placeholder for actual projects and are distributed to R&R project in the corresponding fiscal year.

**Project Need:** In 2003, the District, through a consultant, developed an R&R planning model. The model was developed to obtain planning level funding needs to replace and rehabilitate District facilities. The model will be updated over the next few months and the estimated costs will be adjusted accordingly.

**Project Status:** Proposed Projects

**Estimated Project Amount:**

Item	Estimated Cost
Design	TBD
CEQA Compliance	TBD
Construction Contract	TBD
Inspection	TBD
<b>Total Project Budget</b>	<b>\$11,996,000</b>



## Capital Improvement Program – Project Description

**Project No:** Annual Program

**System:** Potable

**Fund:** 7

**Project Name:** Reservoir Recoating

**Project Location:** District Wide

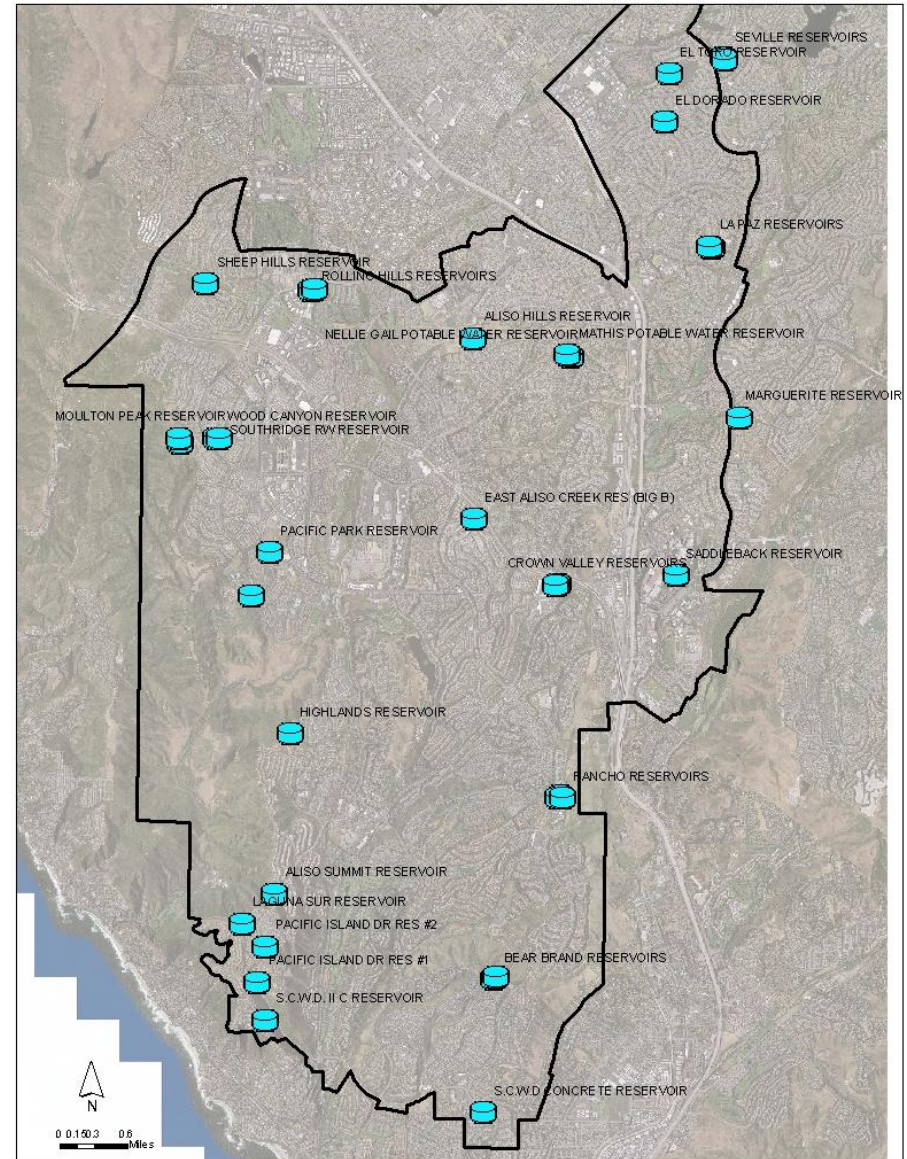
**Project Description:** Recoat the interior and exterior of steel reservoirs.

**Project Need:** Steel reservoirs are coated to prevent oxidation of the steel shell. The life expectancy of a coating system is between 15 to 20 years. The District inspects all of its reservoirs every 10 years to determine if and when recoating is needed. This project addresses the periodic nature of this activity for this asset group.

**Project Status:** Proposed, annual program – when individual projects are identified, funds are transferred to the specific project.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$250,000
CEQA Compliance	Exempt
Construction Contract	\$3,900,000
Inspection	\$250,000
<b>Total Project Budget</b>	<b>\$4,400,000</b>



## Capital Improvement Program – Project Description

**Project No:** Annual Program

**System:** Potable

**Fund:** 7

**Project Name:** Valve Replacement Program

**Project Location:** District-wide

**Project Description:** Replace failed in-line valves.

**Project Need:** Many of the District's valves have exceeded their useful life and are no longer operating or have increased maintenance requirements. This program focuses on replacement of these valves on critical transmission and distribution mains. Valves in subdivisions, usually lines 8-inches and smaller, are replaced as part of the valve turning program through the operations budget.

**Project Status:** Proposed, annual program – when individual projects are identified, funds are transferred to the specific project.

### Estimated Project Amount:

Item	Estimated Cost
Design	\$150,000
CEQA Compliance	Exempt
Construction Contract	\$2,300,000
Inspection	\$250,000
<b>Total Project Budget</b>	<b>\$2,700,000</b>

