



moulton niguel water district

**ENGINEERING & OPERATIONS
BOARD OF DIRECTORS' MEETING
MOULTON NIGUEL WATER DISTRICT**

27500 La Paz Road, Laguna Niguel

November 13, 2017

8:30 AM

Approximate Meeting Time: 2 Hours

1. CALL MEETING TO ORDER
2. APPROVE THE MINUTES OF THE OCTOBER 16, 2017 ENGINEERING AND OPERATIONS BOARD OF DIRECTORS' MEETING
3. PUBLIC COMMENTS
Persons wishing to address the Board of Directors on matters not listed on the Agenda may do so at this time. "Request To Be Heard" forms are available at the entrance to the Board Room. Comments are limited to five minutes unless further time is granted by the Presiding Officer. Submit form to the Recording Secretary prior to the beginning of the meeting.

Those wishing to address the Board of Directors on any item listed on the Agenda should submit a "Request To Be Heard" form to the Recording Secretary before the Presiding Officer announces that agenda item. Your name will be called to speak at that time.

INFORMATION ITEMS

4. Quarterly Capital Improvement Program Report
5. Quarterly Construction Progress Report
6. Quarterly Operations Report
7. Operations Center Consolidation Improvement Project Update
8. Future Agenda Items (Any items added under this section are for discussion at future meetings only)
9. Late Items (Appropriate Findings to be Made)
 - a. Need to take immediate action; and
 - b. Need for action came to District's attention after Agenda Posting. [Requires 2/3 vote (5 members) or unanimous vote if less than 2/3 are present]

CLOSED SESSION

10. **CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION**

(Paragraph (1) of subdivision (d) of Government Code Section 54956.9)

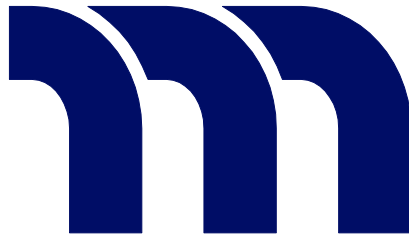
Name of case: SOCWA, City of Laguna Beach, South Coast Water District and Emerald Bay Service District v. Moulton Niguel Water District

Case number 30-2017-00923143-CU-BC-CJC

ADJOURNMENT

The Board of Directors' Meeting Room is wheelchair accessible. If you require any special disability related accommodations (i.e., access to an amplified sound system, etc.), please contact the Moulton Niguel Water District Secretary's office at (949) 831-2500 at least forty-eight (48) hours prior to the scheduled meeting. This agenda can be obtained in alternate format upon written request to the Moulton Niguel Water District Secretary at least forty-eight (48) hours prior to the scheduled meeting.

Agenda exhibits and other writings that are disclosable public records distributed to all, or a majority of, the members of the Moulton Niguel Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board of Directors are available for public inspection at the District Office, 27500 La Paz Road, Laguna Niguel, CA ("District Office"). If such writings are distributed to members of the Board less than seventy-two (72) hours prior to the meeting, they will be available in the reception area of the District Office at the same time as they are distributed except that, if such writings are distributed immediately prior to, or during the meeting, they will be available in the Board meeting room and on the District website at www.mnwd.com.



moulton niguel water district

DRAFT

MINUTES OF THE REGULAR MEETING OF THE ENGINEERING & OPERATIONS BOARD OF DIRECTORS OF THE MOULTON NIGUEL WATER DISTRICT

October 16, 2017

A Regular Meeting of the Engineering & Operations Board of Directors of the Moulton Niguel Water District was held at the District offices, 27500 La Paz Road, Laguna Niguel, California, at 8:30 AM on October 16, 2017. There were present and participating:

DIRECTORS

Duane Cave	Director
Scott Colton	Vice President/Chair
Richard Fiore	Director
Donald Froelich	President
Gary Kurtz	Director (via teleconference)
Larry Lizotte	Director
Brian Probolsky	Vice President (arrived at 8:53 a.m.)

Also present and participating were:

STAFF MEMBERS, LEGAL COUNSEL, AND MEMBERS OF THE PUBLIC

Joone Lopez	General Manager
Matt Collings	Assistant General Manager
Gina Hillary	Director of Human Resources
Jake Vollebregt	Director of Regional & Legal Affairs
Rod Woods	Director of Engineering
Todd Novacek	Director of Operations
Jeff Ferre	Best, Best, & Krieger (General Counsel)
Paige Gulck	Board Secretary
Tim Bonita	Recording Secretary
Trevor Agrelius	MNWD
Matt Brown	MNWD
Johnathan Cruz	MNWD
Todd Dmytryshyn	MNWD
Gregg Hooper	MNWD

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David Larsen	MNWD
Shavonne Mays	MNWD
Steve Merk	MNWD
Medha Patel	MNWD
Lindsey Stuvick	MNWD
Alex Thomas	MNWD
Jeffrey Dunn	Best, Best, & Krieger
Doug Chotkevys	Chotkevys Consulting
David Cordero	Communications Lab
Roger Faubel	Faubel Public Affairs
Mike Dunbar	General Manager, Emerald Bay Service District
Brent Beller	Great Scott Tree Services Inc.
Scott Griffiths	Great Scott Tree Services Inc.
Joel Bishop	Member of the Public
Jose Solorio	Nossaman, LLP
Scott Maloni	Poseidon Water

1. CALL MEETING TO ORDER

The meeting was called to order by Scott Colton at 8:30 a.m.

2. APPROVE THE MINUTES OF THE SEPTEMBER 18, 2017 ENGINEERING AND OPERATIONS BOARD OF DIRECTORS' MEETING

MOTION DULY MADE BY DONALD FROELICH AND SECONDED BY DUANE CAVE, MINUTES OF THE SEPTEMBER 18, 2017 ENGINEERING AND OPERATIONS BOARD OF DIRECTORS' MEETING WERE APPROVED AS PRESENTED. A ROLL CALL VOTE WAS TAKEN AND THE VOTE WAS UNANIMOUS WITH DIRECTORS DUANE CAVE, SCOTT COLTON, RICHARD FIORE, DONALD FROELICH, GARY KURTZ, AND LARRY LIZOTTE ALL VOTING 'AYE'. DIRECTOR BRIAN PROBOLSKY WAS ABSENT.

3. PUBLIC COMMENTS

Mike Dunbar provided public comment.

DISCUSSION ITEMS

5. Tree Maintenance Service Agreement

This item was taken next on the agenda. Gregg Hooper provided information on the item. Staff recommends that the Board of Directors approve a three-year service agreement with Great Scott Tree Service Inc., for a total not-to-exceed amount of \$259,980 with an optional two-year extension for tree maintenance services; and authorize the General Manager or Assistant General Manager to execute the agreement. Discussion ensued regarding the agreement.

6. Fuel Delivery Service Agreement

Trevor Agrelius provided details on the agreement. Staff recommends that the Board of Directors approve a two-year service agreement with Nickey Petroleum for a total not-to-exceed amount of \$720,000 (\$360,000 per year) with three one year options for the purchase and delivery of unleaded fuel, diesel fuel, and motor oil lubricants; and authorize the General Manager or Assistant General Manager to execute the agreement. Discussion ensued regarding details of the agreement.

PRESENTATION ITEMS

4. Huntington Beach Desalination Project Presentation

Brian Probolsky arrived at 8:53 a.m.

Scott Maloni from Poseidon Water provided a presentation on the Huntington Beach Desalination Project.

INFORMATION ITEMS

7. Operations Center Consolidation Improvement Project Update

Matt Collings provided an Operations Center Consolidation Improvement Project update. Staff is finalizing the CEQA document. Staff will be meeting with the ad-hoc to discuss current status and schedule for the project.

8. Future Agenda Items (Any items added under this section are for discussion at future meetings only)

None.

9. Late Items (Appropriate Findings to be Made)

None.

CLOSED SESSION

10. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION

(Paragraph (1) of subdivision (d) of Government Code Section 54956.9)

Name of case: SOCWA, City of Laguna Beach, South Coast Water District and Emerald Bay Service District v. Moulton Niguel Water District

Case number 30-2017-00923143-CU-BC-CJC

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The Board entered closed session at 9:23 a.m. and exited at 11:55 a.m. Jeff Ferre stated that there was no reportable action.

ADJOURNMENT

The meeting was adjourned at 11:56 a.m.

Respectfully submitted,

Tim Bonita
Recording Secretary

DRAFT



moulton niguel water district

STAFF REPORT

TO: Board of Directors **MEETING DATE:** November 13, 2017

FROM: Rod Woods, Director of Engineering
Todd Dmytryshyn, Principal Engineer

SUBJECT: Quarterly Capital Improvement Program Report

SUMMARY:

Issue: District staff is responsible for executing the Capital Improvement Program (CIP) as adopted by the Board of Directors. This quarterly report is a summary of activities for July, August, and September of Fiscal Year (FY) 2017-18.

Recommendation: Information item only.

Fiscal Impact: The fiscal impact for each project is presented to the Board of Directors on a project by project basis. The budget for FY 2017-18 was \$44,497,108.

Reviewed by Legal: Not Applicable

DISCUSSION:

The Moulton Niguel Water District (District) Board of Directors approved a FY 2017-18 budget in June 2017 (see Table 1). Several of the projects in this fiscal year budget, such as SOCWA, JRWSS, and SMWD Joint Projects (including Plant 3A) are managed by other entities. For these projects, staff primarily assesses capital expenditures and reviews deliverables and invoices, but does not actively manage the projects. These projects total \$11.4 million for FY 2017-18 budget. The remainder of the budget, \$33.1 million, is executed by District staff. Table 1 summarizes the expenditures and contractual obligations for the fiscal year.

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Quarterly Capital Improvement Program Report

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Table 1 Adopted Budget by Fund Fiscal Year: July 2017 through June 2018			
Item/Fund	Fiscal Year Adopted Budget	Committed Contracts Through Fourth Quarter	Payments Through Fourth Quarter
Water Efficiency – Fund 6	\$50,000	\$50,000	\$0
Replacement and Refurbishment - Fund 7	\$13,789,167	\$4,923,520	\$759,814
SOCWA, JRWSS & SMWD - Fund 7	\$11,350,941	\$11,350,941	\$814,360
Water Supply Reliability Projects - Fund 12	\$350,000	\$100,000	\$0
Planning and Construction - Fund 14	\$18,957,000	\$922,901	\$101,473
Total	\$44,497,108	\$17,347,362	\$1,675,647

After completion of the first quarter, approximately 39% of CIP budget has been committed and 4% has been expended to date. A large number of projects are currently in design. Staff anticipates a significant increase in expenditures in the following quarters as many of these projects move into construction.

Staff has prioritized CIP projects to maximize the resources available to effectively execute the projects. Table 2 lists the projects in the 10-year Capital Improvement Program and their implementation status (see attached).

During the first quarter of FY 2017-18, these major activities were performed within the Capital Improvement Program:

- Ten projects were completed:
 - 2011.010 – Hillary PRS Replacement
 - 2011.012 – Largo PRS Replacement
 - 2011.015 – Wilkes PRS Replacement
 - 2015.003 – Aliso Creek LS Rehabilitation
 - 2015.004 – Crown Valley Reservoirs 1 and 2 Recoating
 - 2015.011 – Palms Apartments Easement PW Line Replacement
 - 2015.022 – Crown Valley Reservoir 3 Recoating
 - 2016.004 – Crown Valley Comm. Park Relo for Laguna Niguel – RW
 - 2016.005 – Crown Valley Comm. Park Relo for Laguna Niguel – PW
 - 2016.019 – SJC RR Passing Siding Air-Vac Relocations

- Four projects were awarded for construction:

Quarterly Capital Improvement Program Report

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- 2016.001 – 30-in ETM San Juan Creek Crossing Removal
 - 2016.002 – 2016-17 Valve Replacements
 - 2016.015 – 920 Zone Loop Pipeline
 - 2016.016 – Plant 3A Flood Protection
- One project was advertised for bids:
 - 2016.009 – Highland Pump Pressure Relief to 650 Zone
 - 12 projects are under construction.
 - Design work continued on 21 additional projects.
 - Issued 5 task orders utilizing the On-Call Professional Engineering Services Agreements listed below. Tables 3.A (On-Call Agreement OM13-14.020) and 3.B (On-Call Agreement OM16-17.051) summarize the expenditures for the program.
 - 2017.010 – Pipeline Adjustments for I-5 Freeway Widening
 - 2017.011 & 2017.012 – Rehabilitation of the Aliso Hills and El Dorado Reservoirs
 - 2017.015 – Oso Trabuco and ETM Adjustments for Railroad Expansion Preliminary Analysis
 - 2017.018 – Oso Creek Trunk Sewer Flow Evaluation
 - 2017.022 – Regional Lift Station Enhancements
 - Issued 1 request for proposal outside of the On-Call.
 - 2017.009, 2017.014, & 2017.018 – Potable, Recycled, and Sewer Pipeline Replacements at I-5 and Oso Creek

Table 3.A On-Call Professional Engineering Services Agreement OM13-14.020 Expenditure Summary through September 2017				
Consultant	Contracted Amount	Number of Task Orders Issued	Total Value of Task Orders	Remaining Contractual Amount
AKM Consulting Engineers	\$950,000	26	\$907,530	\$42,470
Lee & RO, Inc	\$950,000	23	\$810,394	\$139,607
Tetra Tech, Inc	\$700,000	25	\$676,990	\$23,010
Total	\$2,600,000	74	\$2,394,914	\$205,087

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Quarterly Capital Improvement Program Report

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Table 3.B				
On-Call Professional Engineering Services Agreement OM16-17.051				
Expenditure Summary through September 2017				
Consultant	Contracted Amount	Number of Task Orders Issued	Total Value of Task Orders	Remaining Contractual Amount
AKM Consulting Engineers	\$1,000,000	0	\$0	\$1,000,000
Dudek	\$1,000,000	1	\$94,395	\$905,605
Lee & RO, Inc	\$1,000,000	0	\$0	\$1,000,000
Tetra Tech, Inc	\$1,000,000	2	\$128,200	\$871,800
Total	\$4,000,000	3	\$222,595	\$3,777,405

Attachment: Table 2 Quarterly CIP Report

TABLE 2
QUARTERLY CAPITAL IMPROVEMENT PROGRAM REPORT
MOULTON NIGUEL WATER DISTRICT
QUARTERLY PROJECT STATUS - FIRST QUARTER - JULY THROUGH SEPTEMBER
FISCAL YEAR: JULY 2017 TO JUNE 2018

PROJECT NUMBER	FUND	PROJECT DESCRIPTION	TOTAL PROJECT AMOUNT	EXPENDED INCEPTION TO DATE	FY 2017-18 ADOPTED BUDGET	FY 2017-18 EXPENDED TO DATE	ESTIMATED COMPLETION DATE
COMPLETED PROJECTS							
2006071	12	BAKER PIPELINE REGIONAL TREATMENT PLANT	\$37,300,000	\$36,270,467	\$100,000	\$0	Completed
2011010	7	HILLARY PRS REPLACEMENT	\$332,144	\$314,853	\$25,000	\$32,491	Completed
2011012	7	LARGO PRS REPLACEMENT	\$385,652	\$358,161	\$25,000	\$34,837	Completed
2011015	7	WILKES PRS REPLACEMENT	\$334,953	\$291,496	\$25,000	\$17,942	Completed
2014005	7	UTILITY MAIN BREAKERS REPLACEMENTS	\$216,700	\$192,554	\$10,000	\$0	Completed
2015003	7	ALISO CREEK LS REHABILITATION	\$131,800	\$107,464	\$10,000	\$4,725	Completed
2015004	7	CROWN VALLEY RW RESERVOIRS 1 AND 2 RECOATING & SAFETY IMPROVEMENTS	\$1,845,435	\$1,669,227	\$25,000	\$21,442	Completed
2015011	7	PALMS APTS EASEMENT PW LINE REPLACEMENT	\$410,833	\$333,662	\$150,000	\$29,552	Completed
2015012	7	PASEO DE VALENCIA 24" RAILROAD CROSSING ABANDONMENT	\$128,440	\$119,686	\$10,000	\$5,395	Completed
2015017	14	FALL PROTECTION SYSTEM - PW RESERVOIRS	\$173,229	\$152,868	\$10,000	\$19,496	Completed
2015018	14	FALL PROTECTION SYSTEM - RW RESERVOIRS	\$32,516	\$27,405	\$2,000	\$13,440	Completed
2015022	7	CROWN VALLEY PW RESERVOIR 3 RECOATING	\$284,310	\$179,930	\$25,000	\$99,218	Completed
2016004	7	CROWN VALLEY COMM. PARK RELO FOR LAGUNA NIGUEL - RW	\$208,000	\$172,143	\$25,000	\$0	Completed
2016005	7	CROWN VALLEY COMM. PARK RELO FOR LAGUNA NIGUEL - PW	\$117,000	\$135,500	\$25,000	\$12,215	Completed
2016019	7	SJC RR PASSING SIDING AIR-VAC RELOCATIONS	\$100,000	\$81,429	\$5,000	\$55,240	Completed
Subtotal			\$42,001,012	\$40,406,845	\$472,000	\$345,992	
PROJECTS UNDER CONSTRUCTION							
2014002	7	DEL AVION LS AUX GENERATOR REPLACEMENT	\$576,090	\$267,171	\$100,000	\$0	12/31/17
2015009	7	LOWER BOUNDARY OAK LS UPGRADE	\$396,420	\$58,803	\$200,000	\$0	12/31/17
2016001	7	30-IN ETM SAN JUAN CREEK CROSSING REMOVAL	\$249,501	\$65,960	\$200,000	\$9,191	12/31/17
2016001	7	30-IN ETM SAN JUAN CREEK CROSSING REMOVAL - SMWD REIMBURSEMENT	(\$124,751)	\$0	(\$100,000)	\$0	Reimbursement
2016002	7	2016-17 VALVE REPLACEMENT	\$1,645,700	\$489,745	\$1,250,000	\$73,313	6/30/18
2016006	7	UPPER SALADA ELECTRICAL SWITCHGEAR REPLACEMENT	\$698,600	\$71,105	\$650,000	\$2,407	6/30/18
2016009	7	HIGHLAND PUMP PRESSURE RELIEF TO 650 ZONE	\$75,000	\$14,071	\$50,000	\$3,766	3/31/18
2016012	14	DEL AVION LIFT STATION GRINDERS	\$171,886	\$24,012	\$150,000	\$11,324	12/31/17
2016015	14	920 ZONE LOOP PIPELINE	\$222,481	\$30,203	\$130,000	\$9,495	3/31/18
2016016	14	PLANT 3A FLOOD PROTECTION	\$722,518	\$166,098	\$300,000	\$33,946	6/30/22
2016016	14	PLANT 3A FLOOD PROTECTION - SMWD REIMBURSEMENT	(\$202,305)	\$0	(\$84,000)	\$0	Reimbursement
2017002	7	2017-18 MH REHABILITATION	\$350,000	\$166,533	\$350,000	\$166,533	6/30/18
2017008	7	NACCOME DRIVE POTABLE EASEMENT PIPELINE ABANDONMENT	\$30,000	\$0	\$25,000	\$0	12/31/17
2017020	6	2017-18 RW RETROFITS	\$50,000	\$0	\$50,000	\$0	6/30/18
Subtotal			\$4,861,140	\$1,353,700	\$3,271,000	\$309,976	
PROJECTS IN DESIGN							
2009010	14	MISSION HOSPITAL 750-ZONE SERVICE	\$1,200,000	\$69,856	\$1,125,000	\$650	6/30/18
2009010	14	MISSION HOSPITAL 750-ZONE SERVICE - MISSION HOSPITAL REIMBURSEMENT	(\$150,000)	\$0	(\$150,000)	\$0	Reimbursement
2010013	12	LA PAZ BRIDGE CROSSING RW PIPELINE	\$435,000	\$54,573	\$200,000	\$0	12/31/18
2011028	7	VALENCIA LS REFURBISHMENT	\$800,000	\$76,876	\$200,000	\$76,226	9/30/18
2011077	14	MOULTON PEAK RADIO TOWER IMPROVEMENTS	\$235,000	\$1,500	\$25,000	\$0	12/31/18
2012024	7	UPPER SALADA LS AUX GENERATOR REPLACEMENT	\$950,000	\$93,006	\$200,000	\$0	6/30/19
2013004	7	REGIONAL LS FORCE MAIN REPLACEMENT	\$10,000,000	\$59,900	\$300,000	\$0	6/30/20
2014012	7	HIDDEN HILLS VILLAGE EASEMENT PIPELINE REHABILITATION	\$600,000	\$43,739	\$550,000	\$0	6/30/18
2014015	14	DISTRICT HEADQUARTERS	\$32,000,000	\$1,212,532	\$16,134,000	\$12,536	6/30/18
2015013	7	2016-17 RESERVOIR MANAGEMENT SYSTEM REPLACEMENT	\$2,250,000	\$169,996	\$1,700,000	\$50,582	12/31/18
2015015	7	SADDLEBACK PS AUX PUMP & ENGINE REPLACEMENT	\$2,450,000	\$43,278	\$450,000	\$2,945	3/31/18

TABLE 2
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FISCAL YEAR: JULY 2017 TO JUNE 2018

PROJECT NUMBER	FUND	PROJECT DESCRIPTION	TOTAL PROJECT AMOUNT	EXPENDED INCEPTION TO DATE	FY 2017-18 ADOPTED BUDGET	FY 2017-18 EXPENDED TO DATE	ESTIMATED COMPLETION DATE
PROJECTS IN DESIGN (CONTINUED)							
2016007	7	54-INCH CIP IMPROVEMENTS	\$2,600,000	\$16,703	\$450,000	\$16,570	6/30/19
2016020	7	ELECTRICAL SERVICE ENTRANCE REPLACEMENTS AT THREE SITES	\$1,050,000	\$80,187	\$975,000	\$13,751	9/30/18
2016021	7	VAULT REMOVALS	\$750,000	\$13,888	\$700,000	\$13,793	9/30/18
2016022	7	CAMINO CAPISTRANO YARD IMPROVEMENTS	\$775,000	\$17,681	\$665,000	\$17,681	9/30/18
2017009	7	PW MAIN REPLACEMENT AT I-5 OSO CREEK CROSSING	\$1,500,000	\$0	\$150,000	\$0	6/30/19
2017010	7	PIPELINE ADJUSTMENTS FOR I-5 FREEWAY WIDENING	\$750,000	\$0	\$150,000	\$0	6/30/19
2017011	7	REHABILITATION OF THE ALISO HILLS RESERVOIR	\$700,000	\$0	\$700,000	\$0	9/30/18
2017012	7	REHABILITATION OF THE EL DORADO RESERVOIR	\$800,000	\$0	\$800,000	\$0	6/30/18
2017014	7	RW MAIN INSTALLATION AT I-5 OSO CREEK CROSSING	\$1,500,000	\$0	\$150,000	\$0	6/30/19
2017015	7	OSO TRABUCO AND ETM ADJUSTMENTS FOR RAILROAD EXPANSION	\$4,700,000	\$0	\$2,350,000	\$0	9/30/18
2017015	7	OSO TRABUCO AND ETM ADJUSTMENTS FOR RAILROAD EXPANSION - SMWD REIMBURSE	(\$2,585,000)	\$0	(\$1,292,500)	\$0	Reimbursement
2017018	14	OSO CREEK SEWER PARALLEL PIPELINE	\$2,000,000	\$585	\$200,000	\$585	6/30/19
Subtotal			\$65,310,000	\$1,954,302	\$26,731,500	\$205,318	
UNANTICIPATED PROJECTS							
2017021	7	SADDLEBACK PS DRAIN LINE REPLACEMENT		\$0	\$40,000	\$0	12/31/17
2017022	14	REGIONAL LS ENHANCEMENTS		\$0	\$150,000	\$0	6/30/19
Subtotal			\$0	\$0	\$190,000	\$0	
UNSURE PROJECTS							
2010001	14	650-ZONE NIGUEL ROAD INTERTIE	\$320,000	\$0	\$0	\$0	
2011024	7	DOCUMENT MANAGEMENT	\$389,000	\$107,147	\$25,000	\$0	
2011032	7	OLD RANCH ROAD EASEMENT REFURBISHMENT	\$200,000	\$0	\$25,000	\$0	
2011033	7	ASSET MANAGEMENT PROGRAM/CMMS IMPLEMENTATION	\$500,000	\$0	\$25,000	\$0	
2011037	7	MISSION VIEJO HIGH SCHOOL LINE/VAULT REFURBISHMENT	\$200,000	\$0	\$200,000	\$0	
2011043	14	3A OUTFALL LINE VALVES	\$450,000	\$0	\$0	\$0	
2011043	14	3A OUTFALL LINE VALVES - REIMBURSEMENT	(\$225,000)	\$0	\$0	\$0	Reimbursement
2013005	7	LOWER SALADA LS FORCE MAIN REPLACEMENT	\$5,900,000	\$40,000	\$0	\$0	
2015006	7	I.D. 1 MASTER METER RELOCATION	\$650,000	\$0	\$0	\$0	
2015023	7	NORTHERN TRANSMISSION MAIN IMPROVEMENTS N OF LA PAZ	\$500,000	\$190,449	\$0	\$0	Phase 2
2016008	7	NORTH ALISO CREEK LS BYPASS REPLACEMENT	\$325,000	\$0	\$275,000	\$0	
2016014	14	SADDLEBACK PS GENERATOR EMERGENCY CONNECTION	\$60,000	\$0	\$0	\$0	
2016023	7	GOLDEN LANTERN RESERVOIR ROOF-WALL JOINT SEAL	\$340,000	\$0	\$250,000	\$0	
2016023	7	GOLDEN LANTERN RESERVOIR ROOF-WALL JOINT SEAL - SCWD REIMBURSEMENT	(\$113,333)	\$0	(\$83,333)	\$0	Reimbursement
2017001	7	2017-18 ELECTRICAL SYSTEM IMPROVEMENTS - PW	\$900,000	\$0	\$250,000	\$0	
2017003	7	2017-18 RESERVOIR MANAGEMENT SYSTEM REPLACEMENT	\$3,900,000	\$0	\$300,000	\$0	
2017004	7	2017-18 SEWER LINING	\$225,000	\$0	\$200,000	\$0	
2017005	7	2017-18 UTILITY SERVICE ENTRANCE REPLACEMENTS - PW	\$750,000	\$0	\$200,000	\$0	
2017006	7	2017-18 VALVE REPLACEMENT	\$2,700,000	\$0	\$75,000	\$0	
2017007	7	ALISO CREEK LS AUXILIARY GENERATOR REPLACEMENT	\$530,000	\$0	\$30,000	\$0	
2017013	7	REPLACEMENT OF POINT TO MULTI-POINT RADIOS FOR SCADA SYSTEM	\$800,000	\$0	\$100,000	\$0	
2017016	12	SOUTH COUNTY PIPELINE TAKEOUT FACILITY	\$2,400,000	\$0	\$50,000	\$0	
2017017	14	DISTRICT VEHICLE RADIO COMMUNICATION SYSTEM	\$200,000	\$0	\$200,000	\$0	
2017019	14	SECONDARY FEED FOR 1050 ZONE	\$600,000	\$0	\$100,000	\$0	
	7	3A ETM CREEK BANK STABILIZATION	\$2,000,000	\$0	\$0	\$0	
	7	3A ETM REPLACEMENT - AVE DE LA VISTA	\$2,475,000	\$0	\$0	\$0	

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PROJECT NUMBER	FUND	PROJECT DESCRIPTION	TOTAL PROJECT AMOUNT	EXPENDED INCEPTION TO DATE	FY 2017-18 ADOPTED BUDGET	FY 2017-18 EXPENDED TO DATE	ESTIMATED COMPLETION DATE
FUTURE PROJECTS (CONTINUED)							
7		3A ETM REPLACEMENT - CAMINO CAPO	\$3,500,000	\$0	\$0	\$0	
7		3A ETM SJ CREEK-COUNTY OF ORANGE PHASE VIII	\$900,000	\$0	\$0	\$0	
7		3A ETM IMPROVEMENTS - SMWD REIMBURSEMENT	(\$4,437,500)	\$0	\$0	\$0	Reimbursement
6		AMI PHASE 2	\$8,000,000	\$0	\$0	\$0	
7		BEAR BRAND PS PUMP REPLACEMENT	\$410,000	\$0	\$0	\$0	
7		CROWN VALLEY RESERVOIR NO. 3 ROOF PLATE REPAIR AND INTERIOR RECOATING	\$1,000,000	\$0	\$0	\$0	
7		DRYDOCK AND WESTGREEN SEWER REPAIRS	\$80,000	\$0	\$0	\$0	
14		GALIVAN BYPASS IMPROVEMENTS	\$175,000	\$0	\$0	\$0	
7		LAGUNA HILLS DR 650 LINE INTERTIE	\$135,000	\$0	\$0	\$0	
7		LITTLE NIGUEL PS PUMP REPLACEMENT	\$275,000	\$0	\$0	\$0	
7		LN REG PARK RW VAULT RECONFIGURATION	\$150,000	\$0	\$0	\$0	
14		LOWER SALADA LIFT STATION OVERFLOW WETWELL	\$1,250,000	\$0	\$0	\$0	
14		LS GENERATOR EMERGENCY CONNECTIONS	\$200,000	\$0	\$0	\$0	
14		MARGUERITE/OSO CIP TAKEOUT	\$2,500,000	\$0	\$0	\$0	
7		OAKGROVE DRIVE RW PIPELINE REPLACEMENT	\$525,000	\$0	\$0	\$0	
7		PACIFIC PARK PS PUMP & ENGINE REPLACEMENT	\$600,000	\$0	\$0	\$0	
7		PZ450 ALISO CREEK POTABLE LINE RELOCATION	\$300,000	\$0	\$0	\$0	
7		ROLLING HILLS PS ENGINE & PUMP REPLACEMENT	\$675,000	\$0	\$0	\$0	
7		RW MAIN REPLACEMENT FROM GALIVAN PS TO LA PAZ PS	\$8,400,000	\$0	\$0	\$0	
7		RW RESERVOIR DRAINAGE IMPROVEMENTS AT 3 SITES	\$725,000	\$0	\$0	\$0	
7		SHEEP HILLS PS ENGINE & PUMP REPLACEMENT	\$1,040,000	\$0	\$0	\$0	
7		SOUTHWING LS AUXILIARY GENERATOR REPLACEMENT	\$580,000	\$0	\$0	\$0	
14		VIDEO SITE SURVEILLANCE SYSTEM	\$500,000	\$0	\$0	\$0	
Subtotal			\$54,458,167	\$337,596	\$2,221,667	\$0	
							REMAINING BALANCE
REGIONAL PROJECTS							
JRWSS18	7	SCWD/JRWSS CAPITAL PROJECT	\$8,641,990	\$3,088	\$1,665,029	\$3,088	\$1,661,941
SMWD005	7	SMWD CAPITAL PROJECTS-JOINT FACILITIES	\$200,000	\$0	\$200,000	\$0	\$200,000
SMWD006	7	PLANT 3A IMPROVEMENTS	\$12,609,000	\$0	\$5,015,000	\$0	\$5,015,000
SOCWA135	7	2017-18 SOCWA CAPITAL PC 2	\$14,793,776	\$251,822	\$1,029,280	\$251,822	\$777,458
SOCWA136	7	2017-18 SOCWA PC 5	\$275,835	\$1,260	\$32,756	\$1,260	\$31,496
SOCWA137	7	2017-18 SOCWA CAPITAL PC 17	\$29,597,005	\$558,190	\$3,376,803	\$558,190	\$2,818,613
SOCWA138	7	2017-18 SOCWA CAPITAL PC 21	\$21,111	\$0	\$21,111	\$0	\$21,111
SOCWA139	7	2017-18 SOCWA CAPITAL PC 24	\$4,139,220	\$0	\$10,962	\$0	\$10,962
Subtotal			\$70,277,937	\$814,360	\$11,350,941	\$814,360	\$10,536,581
							REMAINING BALANCE
UNANTICIPATED FUNDS							
UP1718RR	7	UNANTICIPATED PROJECTS FUND 7	\$300,000	N/A	\$300,000	\$40,000	\$260,000
UP1718PC	14	UNANTICIPATED PROJECTS FUND 14	\$150,000	N/A	\$150,000	\$150,000	\$0
Subtotal			\$450,000		\$450,000	\$190,000	\$260,000

TABLE 2
QUARTERLY CAPITAL IMPROVEMENT PROGRAM REPORT
MOULTON NIGUEL WATER DISTRICT
QUARTERLY PROJECT STATUS - FIRST QUARTER - JULY THROUGH SEPTEMBER
FISCAL YEAR: JULY 2017 TO JUNE 2018

PROJECT NUMBER	FUND	PROJECT DESCRIPTION	TOTAL PROJECT AMOUNT	EXPENDED INCEPTION TO DATE	FY 2017-18 ADOPTED BUDGET	FY 2017-18 EXPENDED TO DATE	ESTIMATED COMPLETION DATE
PROGRAMS							
7		EASEMENT REHABILITATION PROGRAM - PHASE 1	\$7,850,000	N/A	N/A	N/A	N/A
7		EASEMENT REHABILITATION PROGRAM - PHASE 2	\$6,000,000	N/A	N/A	N/A	N/A
7		ELECTRICAL SYSTEM IMPROVEMENTS PROGRAM - PW	\$2,200,000	N/A	N/A	N/A	N/A
7		ELECTRICAL SYSTEM IMPROVEMENTS PROGRAM - RW	\$1,350,000	N/A	N/A	N/A	N/A
7		ELECTRICAL SYSTEM IMPROVEMENTS PROGRAM - WW	\$1,075,000	N/A	N/A	N/A	N/A
7		MH REHABILITATION PROGRAM	\$3,150,000	N/A	N/A	N/A	N/A
6		RECYCLED WATER RETROFITS	\$450,000	N/A	N/A	N/A	N/A
7		RESERVOIR MANAGEMENT SYSTEM REPLACEMENT PROGRAM	\$8,550,000	N/A	N/A	N/A	N/A
7		RESERVOIR RECOATING PROGRAM - PW	\$11,250,000	N/A	N/A	N/A	N/A
7		RESERVOIR RECOATING PROGRAM - RW	\$2,970,000	N/A	N/A	N/A	N/A
7		SEWER LINING PROGRAM	\$2,400,000	N/A	N/A	N/A	N/A
7		STEEL TANKS SEISMIC & STRUCTURAL RETROFITS PROGRAM - PW	\$5,000,000	N/A	N/A	N/A	N/A
7		STEEL TANKS SEISMIC & STRUCTURAL RETROFITS PROGRAM - RW	\$200,000	N/A	N/A	N/A	N/A
6		SUPPLY RELIABILITY ENHANCEMENTS - FUND 6	\$10,000,000	N/A	N/A	N/A	N/A
12		SUPPLY RELIABILITY ENHANCEMENTS - FUND 12	\$10,000,000	N/A	N/A	N/A	N/A
7		VALVE REPLACEMENT PROGRAM - PW	\$19,375,000	N/A	N/A	N/A	N/A
7		VALVE REPLACEMENT PROGRAM - RW	\$1,600,000	N/A	N/A	N/A	N/A
7		VERTICAL ASSET IMPROVEMENTS PROGRAM - RW	\$17,860,000	N/A	N/A	N/A	N/A
Subtotal			\$111,280,000				
TOTAL			\$348,638,256	\$44,866,803	\$44,497,108	\$1,675,647	

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Project : 920 Zone Loop Pipeline
 Contract No: 2016.015
 Contractor : T.E Roberts, Inc.
 Engineer : AKM Consulting Engineers
 City Work Performed : Laguna Niguel

920 ZONE LOOP PIPELINE

SCOPE OF WORK : Installation of approximately 230 linear feet of 8-inch PVC pipe within an existing District easement and Pacific Island Drive in the City of Laguna Niguel. Work also includes the replacement of related valves and appurtenances.



DETAILS :

Fund 07 Rehabilitation and Replacement
 Contract Award 09/21/17
 Est. Completion Date 01/31/18
 Construction Contract \$ 165,892
 Paid To Date \$ 0
 Percent Constructed 0%

NOTES : In submittal phase of project. Work is scheduled to begin mid-November.

920 Zone Loop Area Location

Project: ETM Pipeline Removal in San Juan Creek
 Contract No: 2016.001
 Contractor : Paulus Engineering
 Engineer : Dudek
 City Work Performed : San Juan Capistrano

**ETM PIPELINE REMOVAL
IN SAN JUAN CREEK**

SCOPE OF WORK : Removal of 180-feet of concrete-encased 30-inch ductile iron pipe within San Juan Creek; installing concrete plugs in the ends of the abandoned pipe; and restoring the creek-bed to its pre-construction condition.



DETAILS :

Fund 07 Replace and Refurbishment
 Contract Award 09/21/17
 Completion Date 12/29/17
 Construction Contract , Phase III \$ 113,183
 Paid To Date \$ 0
 Percent Constructed 0%

NOTES : All regulatory permits have been secured. Estimated mid-November start.

ETM Pipeline Removal Work Area

Project : Lower Boundary Oak Lift Station Upgrades
 Contract No: 2015.009
 Contractor : RC Foster Corporation
 Engineer : Lee & Ro, Inc.
 City Work Performed : Aliso Viejo

**LOWER BOUNDARY OAK
 LIFT STATION UPGRADES**

SCOPE OF WORK : Replace existing pumps with submersible pumps; reconfigure mechanical piping; upgrade the existing electrical and control systems; and recoat the wet well.



DETAILS :

Fund	07 Replace and Refurbishment
Contract Award	01/19/17
Est. Completion Date	12/29/17
Construction Contract	\$ 292,200
Paid To Date	\$ 56,650
Percent Constructed	30%

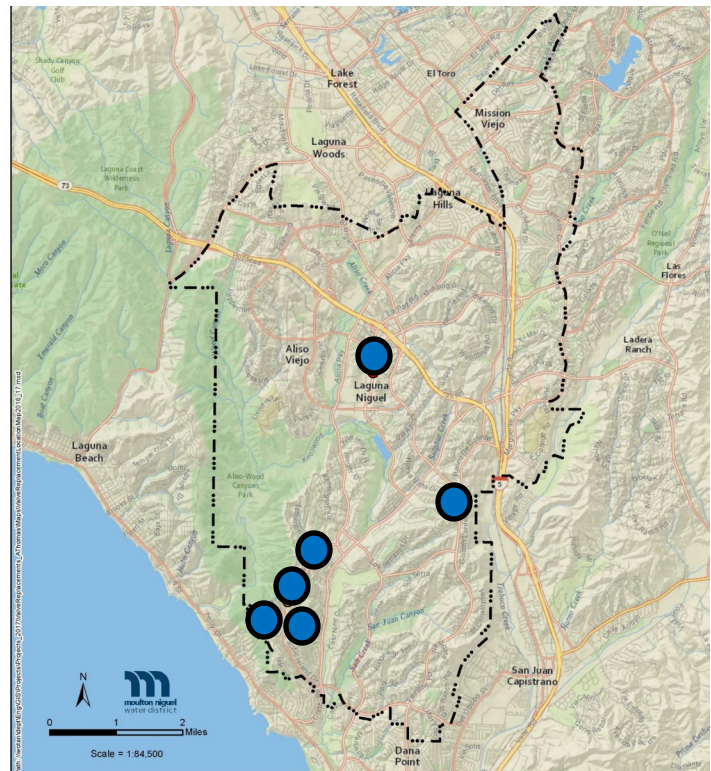
NOTES : Demo work is complete, coating of the wet well to begin mid-November.

Lower Boundary Oak
 Lift Station

Project : 2016-17 Valve Replacement
 Contract No: 2016.002
 Contractor : Ferreira Construction
 Engineer : AKM Consulting Engineers
 City Work Performed : Laguna Niguel

2016-17 VALVE REPLACEMENTS


SCOPE OF WORK : Construction services will replace key valves that have been identified by District staff and prioritized as part of the system wide valve replacement program




DETAILS :

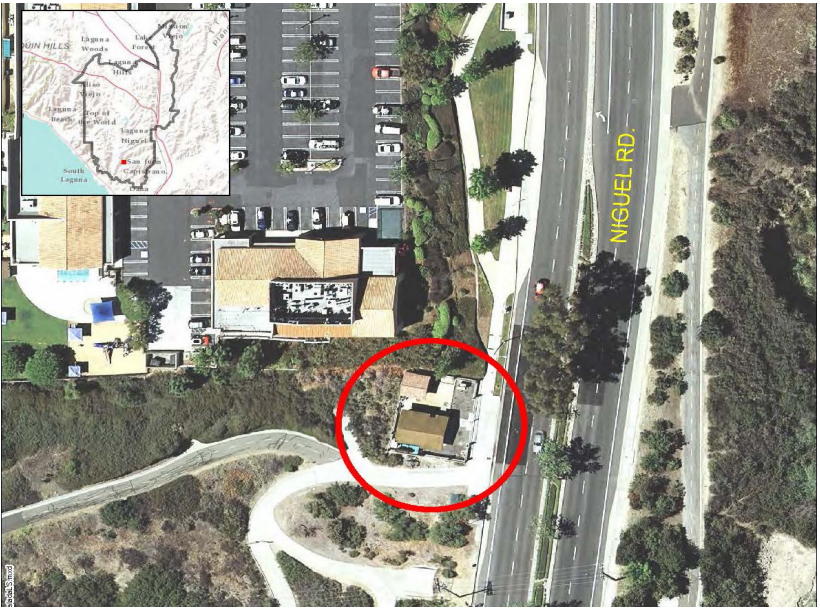
Fund	07 Replace and Refurbishment
Contract Award	08/17/17
Completion Date	03/31/18
Construction Contract	\$ 726,695
Paid To Date	\$ 0
Percent Constructed	0%

NOTES : Preconstruction meeting held 10/25/17. Work is scheduled to begin November 13th.

 Valve Replacement Locations
 (6 Total)

<p>Project : Crown Valley Reservoir Recoat and Safety Contract No: 2015.004&2015.022 Contractor : J. Colon Coatings Engineer : Harper and Associates City Work Performed : Laguna Niguel</p>	<p>CROWN VALLEY RESERVOIR RECOAT AND SAFETY</p>
<p>SCOPE OF WORK : The work at the Crown Valley No. 1 and No. 2 Reservoirs includes structural and corrosion repairs, tank operation and safety improvements (including spiral stairways and full perimeter guardrails), cathodic protection systems, and re-coating of the interior and exterior of the reservoirs and exterior coating of No. 3.</p>	
<p>DETAILS :</p> <p>Fund 07 Replacement and Refurbishment</p> <p>Contract Award 09/15/16</p> <p>Est. Completion Date 11/15/17</p> <p>Construction Contract \$1,829,784</p> <p>Paid To Date \$ 1,733,728</p> <p>Percent Constructed 95%</p>	
<p>NOTES : Construction substantially complete, awaiting final billing. Notice of completion to be filed in November.</p>	<p>Crown Valley Reservoir Exterior Coating</p>



<p>Project : Upper Salada Lift Station Switchgear Replacement Contract No: 2016.006 Contractor : Southern Contracting Company Engineer : Lee & Ro, Inc. City Work Performed : Laguna Niguel</p>	<p>UPPER SALADA LIFT STATION SWITCHGEAR REPLACEMENT</p>
<p>SCOPE OF WORK : Replacement of electrical switchgear and performing other electrical upgrades.</p>	
<p>DETAILS :</p> <p>Fund 07 Replacement and Refurbishment</p> <p>Contract Award 06/15/17</p> <p>Est. Completion Date 03/15/18</p> <p>Construction Contract \$ 476,000</p> <p>Paid To Date \$ 0</p> <p>Percent Constructed 0%</p>	
<p>NOTES : Currently in submittal phase of the project.</p>	<p>Upper Salada Lift Station</p>

Project: Del Avion Aux. Generator Replacement
Contract No: 2014.002 and 2016.012
Contractor : Pacific Hydrotech
Engineer : Lee & Ro, Inc.
City Work Performed : Laguna Niguel

**DEL AVION AUXILIARY
 GENERATOR REPLACEMENT**

SCOPE OF WORK : This project replaces the existing auxiliary generator with a new diesel auxiliary generator. It also replaces electrical switchgear and installs grinders on the suction piping.



DETAILS :

Fund	07 Replace and Refurbishment
Contract Award	07/21/16
Est. Completion Date	12/31/17
Construction Contract	\$ 441,900
Paid To Date	275,288
Percent Constructed	55%

NOTES : All electrical work is complete. Grinder installation is scheduled for mid-November.

New Emergency Standby Generator

Project : Pressure Reducing Station Relocations
Contract No: 2011.010-012-015
Contractor : Ferreira Construction
Engineer : Tetra Tech, Inc.
City Work Performed : Laguna Hills

**PRESSURE REDUCING STATION
 RELOCATIONS**

SCOPE OF WORK : This project replaces three existing pressure reducing stations.




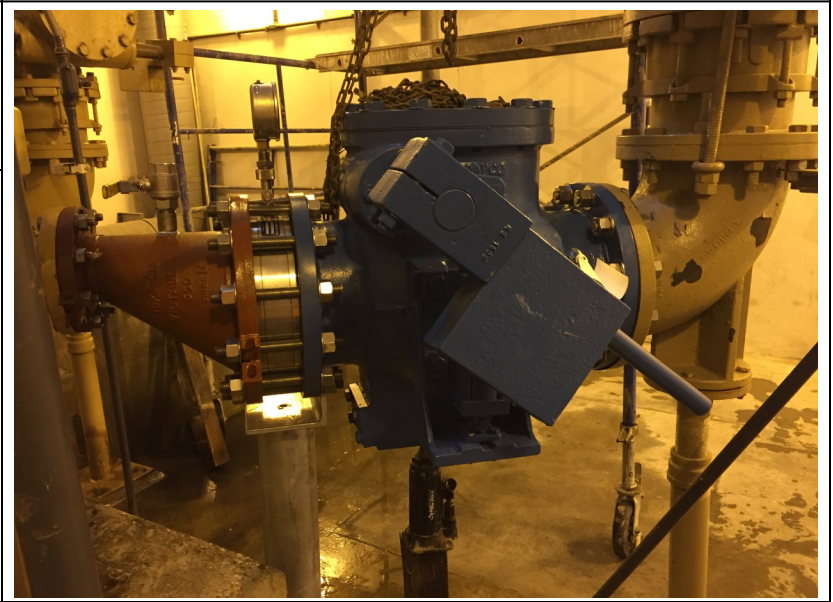
DETAILS :

Fund	07 Replace and Refurbishment
Contract Award	07/21/16
Estimated Completion Date	08/15/17
Construction Contract	\$ 788,863
Paid To Date	\$ 788,863
Percent Constructed	100 %

NOTES : Notice of completion filed October 4th, 2017.

Completed Wilkes Pressure Reducing Station

<p>Project: Plant 3A Flood Protection Contract No: 2016.016 Contractor: Paulus Engineering Engineer: Tetra Tech, Inc. City Work Performed: Mission Viejo</p>	<p>PLANT 3A FLOOD PROTECTION</p>
<p>SCOPE OF WORK : Construction of a permanent concrete barrier wall and drainage system between the La Paz Creek and the access road to Plant 3A.</p>	
<p>DETAILS :</p> <p>Fund: 07 Replace and Refurbishment</p> <p>Contract Award: 09/21/17 Completion Date: 01/31/18 Construction Contract: \$ 369,789 Paid To Date: \$ 0 Percent Constructed: 0%</p>	
<p>NOTES : Construction is scheduled to begin November 6th.</p>	

<p>Project: Aliso Creek Lift Station Rehabilitation Contract No: 2015.003 Contractor: Norman A. Olsson Construction Engineer: Lee & Ro, Inc. City Work Performed: Aliso Viejo</p>	<p>ALISO CREEK LIFT STATION REHABILITATION</p>
<p>SCOPE OF WORK : Reconstructing the general arrangement of the pump discharge valves and piping; installing new air release piping and other related work.</p>	
<p>DETAILS :</p> <p>Fund: 07 Replace and Refurbishment</p> <p>Contract Award: 03/19/15 Completion Date: 08/31/17 Construction Contract: \$ 88,000 Paid To Date: \$ 88,000 Percent Constructed: 100%</p>	
<p>NOTES : Notice of completion filed 09/13/17.</p>	

Project: Manhole Rehabilitation Program
 Contract No: 2017.002
 Contractor : Ayala Engineering
 Engineer : District Staff
 City Work Performed: Various

**MANHOLE REHABILITATION PROGRAM
 FY 17/18**

SCOPE OF WORK : On-call service agreement to rehabilitate manholes throughout the District.



DETAILS :

Fund 07 Replace and Refurbishment
 Contract Award 01/19/17
 Est. Completion Date 06/30/18
 Construction Contract \$ 350,000
 Paid To Date \$ 266,438
 Percent Constructed 70%

NOTES : Approximately 70 manholes have been rehabilitated in FY 2017/18.

Rehabilitation of Manhole in Mission Viejo

Project : Palms Apartments Potable Waterline Replacement
 Contract No: 2015.011
 Contractor : Kennedy Pipeline
 Engineer : AKM Consulting Engineers
 City Work Performed : Laguna Niguel

**PALMS APARTMENTS POTABLE WATERLINE
 REPLACEMENT**

SCOPE OF WORK : Replacement of approximately 810 linear feet of 8-inch ductile iron pipe with 8-inch PVC pipe within the existing easements. The work also includes the replacement of related valves and appurtenances.



DETAILS :

Fund 07 Replacement and Refurbishment
 Contract Award 02/16/17
 Est. Completion Date 10/15/2017
 Construction Contract \$ 328,030
 Paid To Date \$ 328,030
 Percent Constructed 100%

NOTES : Construction complete, notice of completion to be filed in November.

Sidewalk Restoration.



moulton niguel water district

STAFF REPORT

TO: Board of Directors MEETING DATE: November 13, 2017
FROM: Todd Novacek, Director of Operations
SUBJECT: Quarterly Operations Report

SUMMARY:

Issue: District staff is responsible operating and maintaining the potable water, recycled water and wastewater systems. This quarterly report is for July, August and September of Fiscal Year (FY) 2017-18.

Recommendation: Information item only.

Fiscal Impact: Funds for the activities identified in the quarterly operations report are included in the FY 2017-18 Operating Budget.

Reviewed by Legal: Not Applicable

DISCUSSION:

The Moulton Niguel Water District (District) Board of Directors approved a FY 2017-18 budget in June 2017 that provided for operation and maintenance activities associated with the District's potable water distribution, recycled water distribution and wastewater collection systems. The District staff executes those maintenance functions across various operational crews, including customer service, facilities maintenance, and wastewater collections. The following is a summary of the progress completed on those maintenance functions during the months of July, August and September of FY 2017-18.

#6.

Quarterly Operations Report
November 13, 2017
Page 2 of 2

Customer Service:

The customer service department provides a first response to customers in the field to address potential leaks, customer inquiries, turn on/off of meters, among other functions. Additionally, customer service is responsible for reading, testing and replacing water meters to ensure the District is appropriately billing its customers for water used. During this past quarter, customer service staff responded to more than 28 work orders addressing potential leaks at service lines or fire hydrants. Staff also completed more than 464 meter turn on/offs to support customers. As part of the meter replacement/maintenance program, approximately 335 meters were replaced to ensure an accurate reading of District meters.

Collections Department:

In 2010, the District adopted a Sewer System Management Plan (SSMP), which outlined programs in place to ensure appropriate and necessary maintenance of the District's collection system. Among these programs, the District systematically cleans the sewer system to minimize the potential for a sewer blockage. During the past quarter, the District cleaned approximately 615,000 feet of sewer lines. The department remains on pace to clean the entire system in approximately 12 months. This past quarter, staff also completed approximately 50,000 feet of video inspection of the collection system as part of the SSMP.

Pipeline Maintenance (Street and Valve Crews):

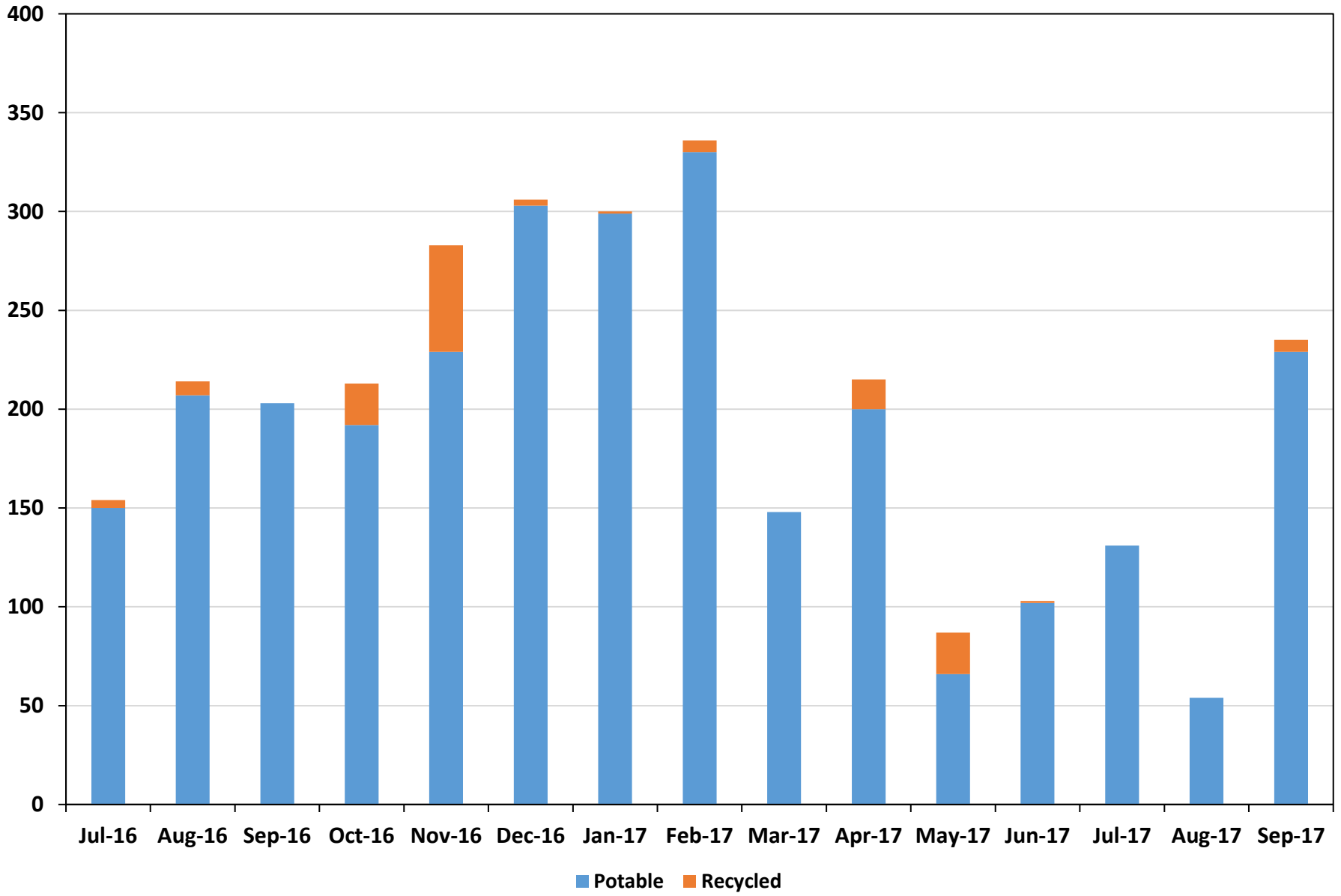
The District's pipeline maintenance activities include repairs to customer service lines, fire hydrants, and distribution pipelines. The District's staff completed nearly 115 work orders during the past quarter. Approximately 85% of those work orders were replacement of customer service lines. Table 1 identifies the number of valves exercised on a monthly basis for a total of 420 valves exercised during this past quarter. Table 2 identifies the number of valves replaced on a monthly basis for a total of 33 valves during this past quarter.

Number of Valves Exercised

VALVE CREW - VALVES EXERCISED

Table 1

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VALVE CREW - VALVE REPLACED

Number of Valves Replaced

Table 2

-22-

