



moulton niguel water district

CAPITAL IMPROVEMENT PROGRAM BUDGET

Fiscal Year 2018-2019

April 16, 2018

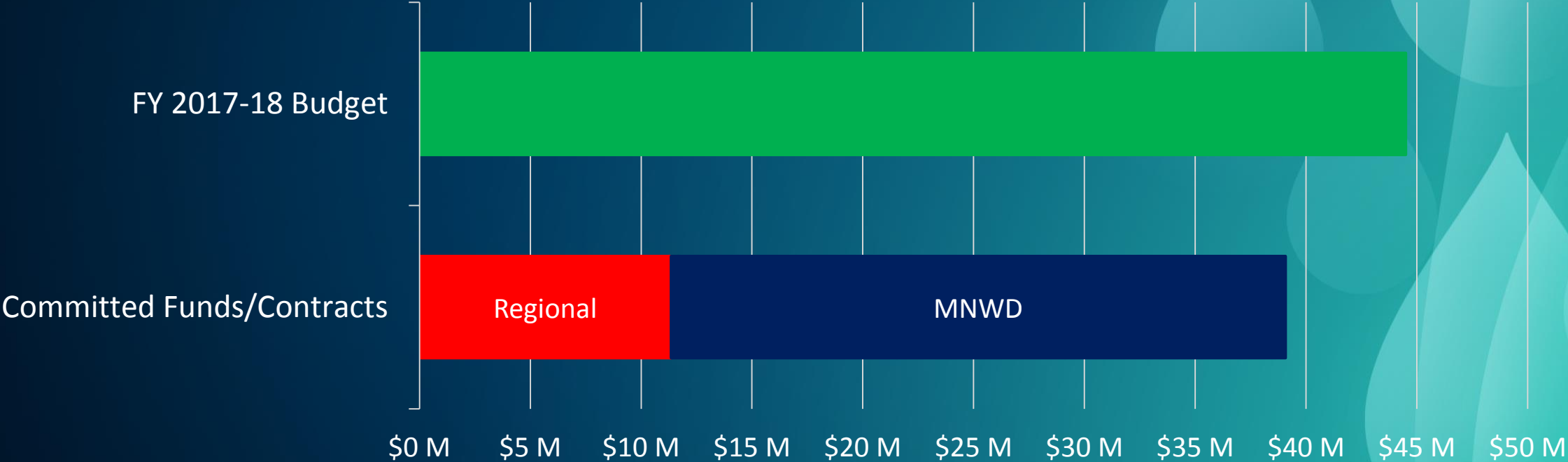
AGENDA

- FY 2017-18 CIP Budget Review
- Proposed FY 2018-19 CIP Budget
 - 10-year CIP
 - Annual Budget
 - Projects
- CIP Funding

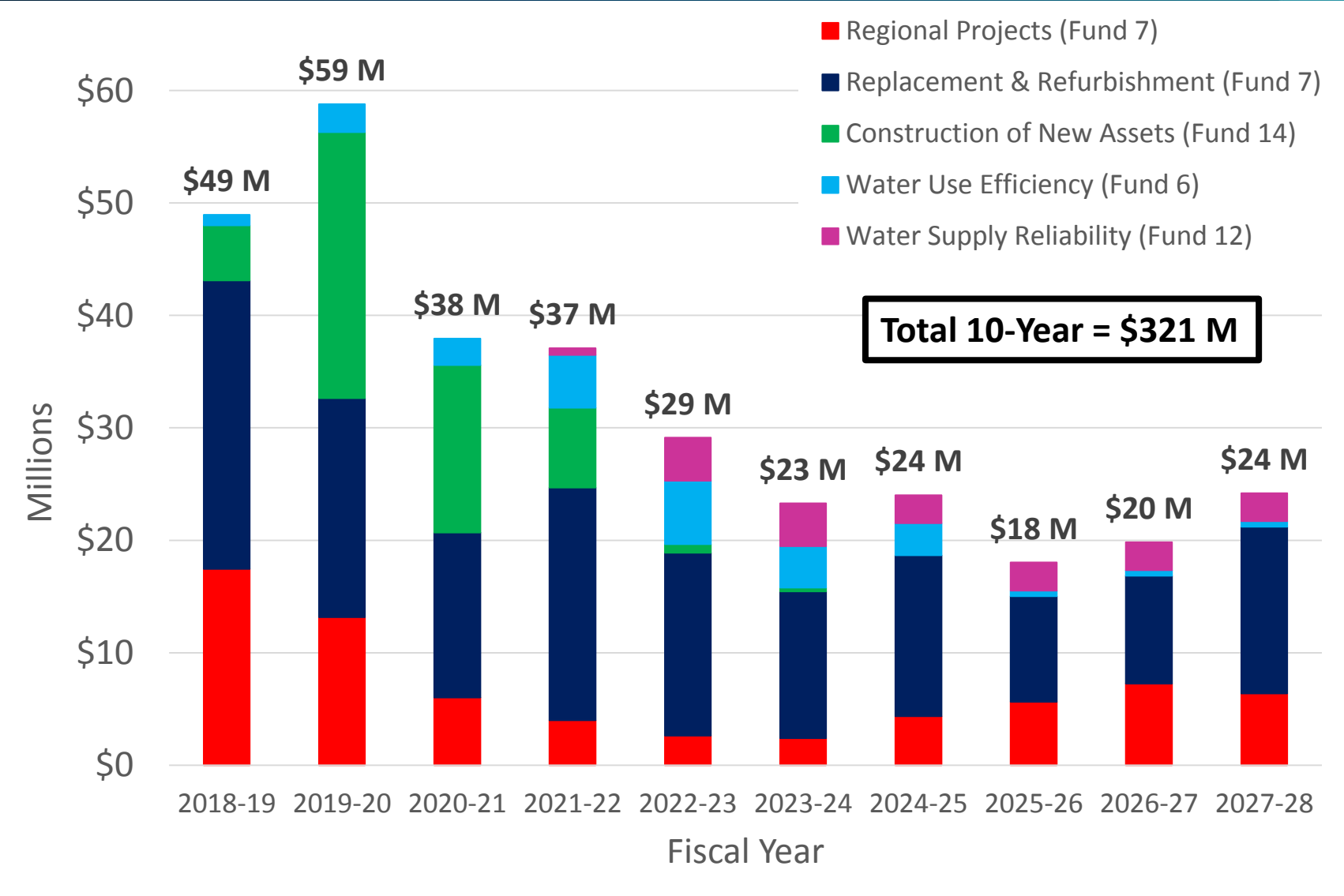
FY 2017-18 BUDGET REVIEW

- 10-year Budget = \$282.2M
- FY 2017-18 Budget = \$44.5M

FY 2017-18 Performance
(projected to end of FY)

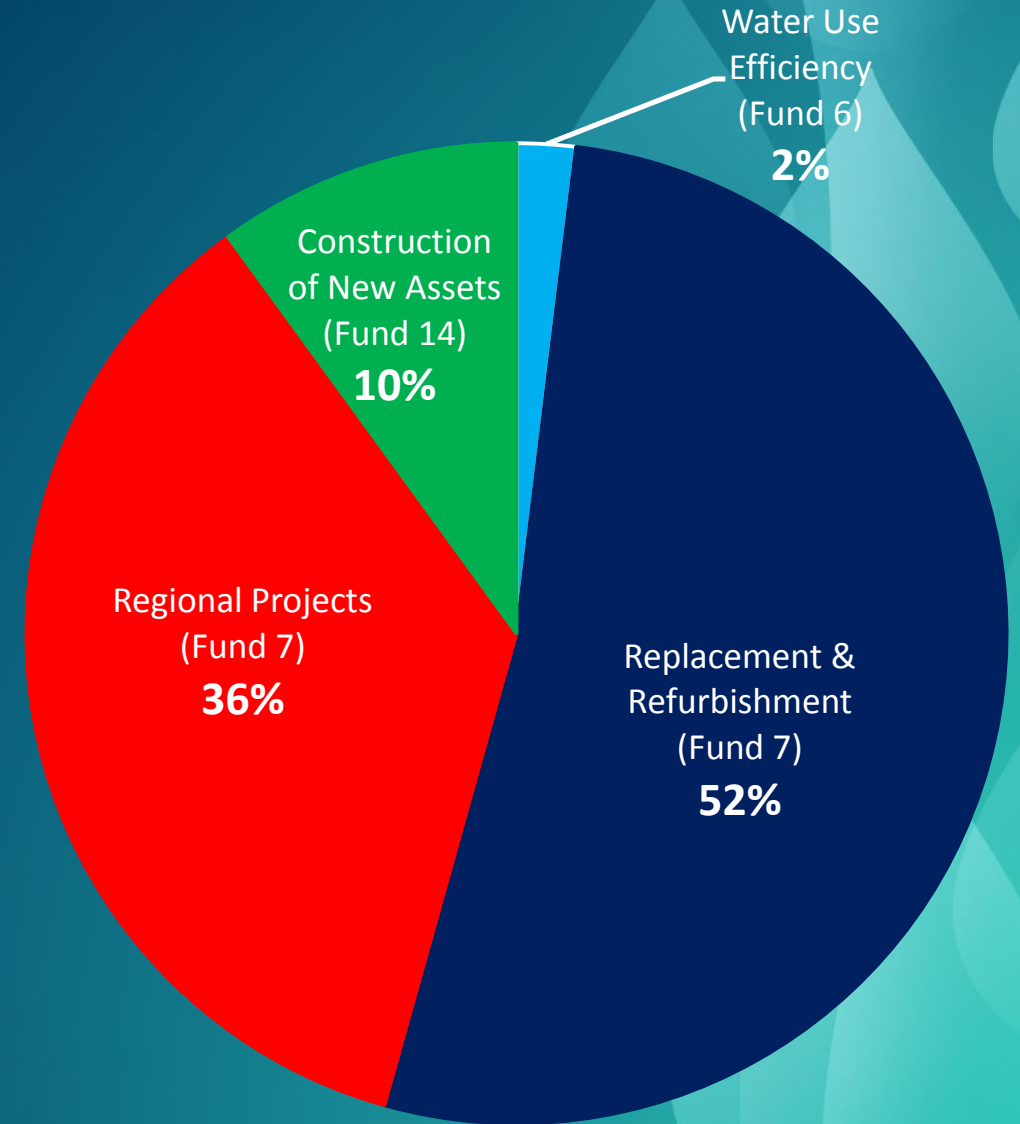


PROPOSED 10-YEAR CIP



FY 2018-19 PROPOSED CIP

System	FY 2018-19 Proposed Budget (M)
Multi-System	\$5.9
Potable Water	\$19.3
Recycled Water	\$2.1
Wastewater	
Collection	\$4.3
Treatment (SOCWA, Plant 3A)	\$15.6
Other Regional (JRWSS, SMWD)	\$1.8
Total	\$49.0



FY 2018-19 PROPOSED CIP PROJECTS

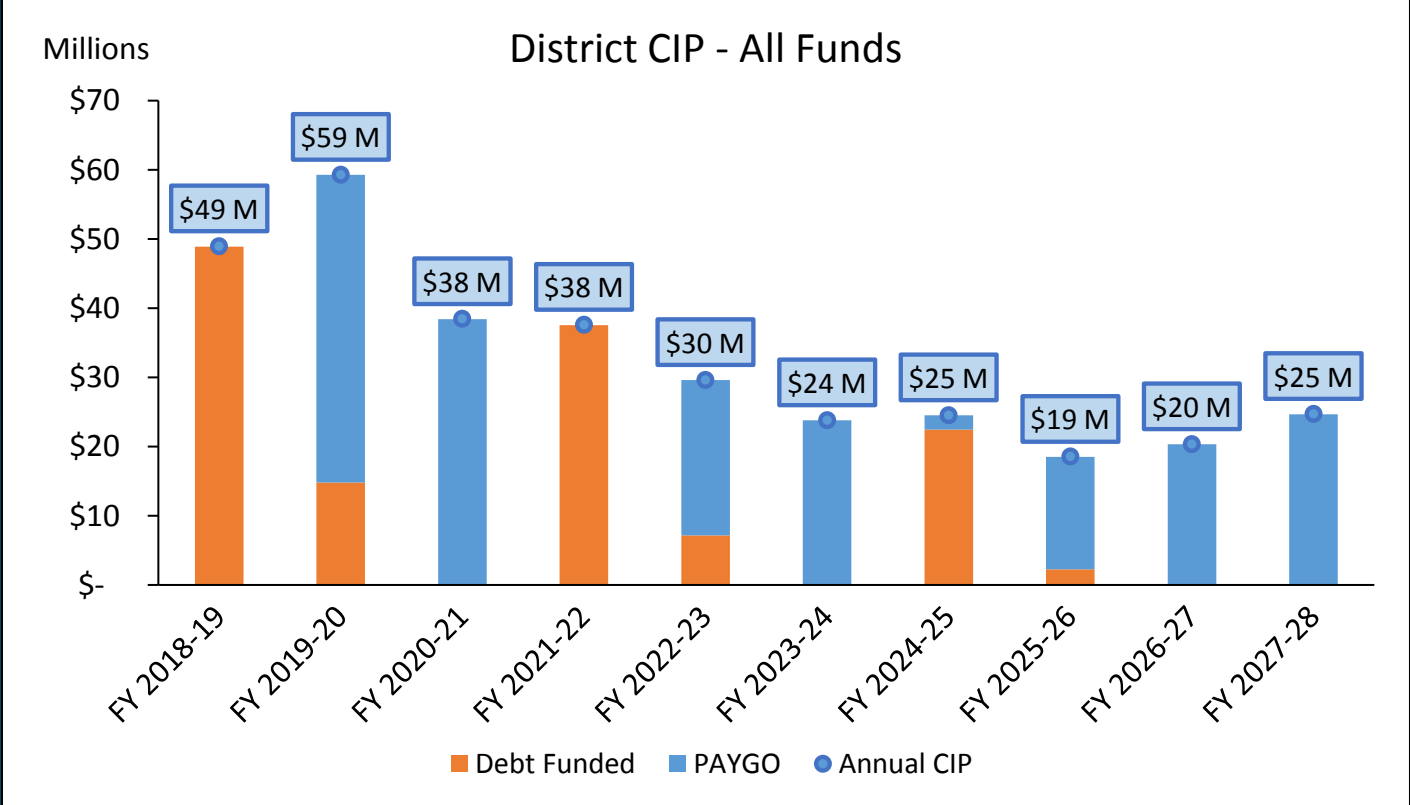
Current Phase	Number of Projects	FY 2018-19 Proposed Budget (M)
Construction	9	\$5.4
Design	24	\$18.8
To be Started	31	\$7.3
Regional	-	\$17.5
Total	64 + Regional	\$49.0

FY 2018-19 KEY PROJECTS AND INITIATIVES

- Reservoir Management System Replacements
- Valve Replacements
- PW and RW Main Replacements at I-5 Oso Creek Crossing
- 54-Inch CIP Improvements
- Regional Lift Station Enhancements
- Computerized Maintenance Management System
- Automated Metering Infrastructure (AMI)
- Water Resource Planning
- Plant 3A Projects
- Operation Center Consolidation and Improvements

10-YEAR CIP FUNDING

- \$193 M rate funded (PAYGO)
- \$64 M bond in FY 2018-19
- \$45 M bond in FY 2020-21
- \$25 M bond in FY 2024-25
- Consistent with LRFPP Projections



NEXT STEPS



PROPOSED FY 18-19 BUDGET

PROJECT NO.	FUND	PROJECT NAME	PROJECT STATUS/ PRIORITY	TOTAL PROJECT BUDGET	PROPOSED FY 18-19 BUDGET
DISTRICTWIDE					
2011024	7	DOCUMENT MANAGEMENT	DESIGN	\$389,000	\$50,000
2011033	7	ASSET MANAGEMENT PROGRAM/CMMS IMPLEMENTATION	DESIGN	\$950,000	\$700,000
2011077	14	MOULTON PEAK RADIO TOWER ACCESS IMPROVEMENTS	DESIGN	\$240,000	\$25,000
2014015	14	OPERATIONS CENTER CONDOLIDATION AND IMPROVEMENTS	DESIGN	\$32,000,000	\$2,500,000
2016022	14	CAMINO CAPISTRANO OPERATIONS YARD IMPROVEMENTS	DESIGN	\$1,115,000	\$1,025,000
2017013	7	REPLACEMENT OF SCADA RADIO COMMUNICATION SYSTEM	DESIGN	\$800,000	\$650,000
2017024	7	ENTERPRISE RESOURCE PLANNING (ERP) SYSTEM UPGRADE	NEW	\$688,000	\$475,000
Subtotal - Districtwide Projects					\$5,425,000
POTABLE					
2009010	14	MISSION HOSPITAL 750-ZONE SERVICE	CONSTRUCTION	\$1,208,117	\$50,000
2009010	14	MISSION HOSPITAL 750-ZONE SERVICE - MISSION HOSPITAL REIMBURSEMENT	REIMBURSEMENT	-\$179,618	-\$179,618
2015013	7	2016-17 RESERVOIR MANAGEMENT SYSTEM REPLACEMENT	CONSTRUCTION	\$4,071,695	\$2,900,000
2016002	7	2016-17 VALVE REPLACEMENT	CONSTRUCTION	\$1,645,700	\$50,000
2016020	7	ELECTRICAL SERVICE ENTRANCE REPLACEMENTS AT THREE SITES	CONSTRUCTION	\$701,600	\$550,000
2016021	7	VAULT REMOVALS	CONSTRUCTION	\$1,150,300	\$750,000
2017011	7	REHABILITATION OF THE ALISO HILLS RESERVOIR	CONSTRUCTION	\$826,055	\$350,000
2017012	7	REHABILITATION OF THE EL DORADO RESERVOIR	CONSTRUCTION	\$917,070	\$50,000
2011037	7	MISSION VIEJO HIGH SCHOOL LINE/VAULT REFURBISHMENT	DESIGN	\$225,000	\$175,000
2014012	7	HIDDEN HILLS VILLAGE EASEMENT PIPELINE REHABILITATION	DESIGN	\$450,000	\$400,000
2015015	7	SADDLEBACK PS AUX PUMP & ENGINE REPLACEMENT	DESIGN	\$1,500,000	\$450,000
2016007	7	54-INCH CIP IMPROVEMENTS	DESIGN	\$1,700,000	\$1,350,000
2016014	14	SADDLEBACK PS GENERATOR EMERGENCY CONNECTION	DESIGN	\$30,000	\$30,000
2017001	7	2017-18 ELECTRICAL SYSTEM IMPROVEMENTS - PW	DESIGN	\$1,000,000	\$800,000
2017003	7	2017-18 RESERVOIR MANAGEMENT SYSTEM REPLACEMENT	DESIGN	\$6,900,000	\$2,150,000
2017005	7	2017-18 ELECTRICAL DISTRIBUTION EQUIPMENT REPLACEMENTS	DESIGN	\$850,000	\$300,000
2017006	7	2017-18 VALVE REPLACEMENT	DESIGN	\$2,700,000	\$2,625,000
2017009	7	PW MAIN REPLACEMENT AT I-5 OSO CREEK CROSSING	DESIGN	\$1,900,000	\$1,660,000
2017010	7	PIPELINE ADJUSTMENTS FOR I-5 FREEWAY WIDENING	DESIGN	\$400,000	\$150,000
2017019	14	SECONDARY FEED FOR 1050 ZONE	DESIGN	\$1,500,000	\$450,000
2010001	14	650-ZONE NIGUEL ROAD INTERTIE		\$320,000	\$50,000
	6	AMI PHASE 2		\$8,000,000	\$600,000
	7	CABOT CIP FLOW CONTROL VALVE #1 UPGRADE		\$175,000	\$175,000
	7	CASA DEL OSO PUMP STATION - PUMP NO. 1 REPLACEMENT		\$275,000	\$150,000
	7	SHEEP HILLS PUMP STATION IMPROVEMENTS		\$1,325,000	\$125,000
	7	2018-19 ELECTRICAL SYSTEM IMPROVEMENTS - PW	NEW	\$1,200,000	\$200,000
	7	2018-19 RESERVOIR MANAGEMENT SYSTEM REPLACEMENT	NEW	\$6,900,000	\$450,000
	7	2018-19 STEEL TANKS SEISMIC AND STRUCTURAL RETROFITS - PW	NEW	\$775,000	\$775,000
	7	2018-19 VALVE REPLACEMENT	NEW	\$2,500,000	\$75,000

PROPOSED FY 18-19 BUDGET

PROJECT NO.	FUND	PROJECT NAME	PROJECT STATUS/ PRIORITY	TOTAL PROJECT BUDGET	PROPOSED FY 18-19 BUDGET
	14	750-ZONE PW SYSTEM EXTENSION AT SALT SPRAY DRIVE	NEW	\$400,000	\$200,000
	7	ALISO HILLS RESERVOIR FENCE REPLACEMENT	NEW	\$50,000	\$50,000
	7	BEAR BRAND RESERVOIR FENCE REPLACEMENT	NEW	\$50,000	\$50,000
	7	CAMINO CAPISTRANO PW PIPELINE RELOCATION	NEW	\$100,000	\$100,000
	7	MIRA VISTA EASEMENT PIPELINE REHABILITATION	NEW	\$200,000	\$200,000
	7	REHABILITATION OF THE BEAR BRAND NO. 2 RESERVOIR	NEW	\$900,000	\$450,000
	7	REHABILITATION OF THE SADDLEBACK RESERVOIR	NEW	\$850,000	\$425,000
	7	SOUTHERLY TAKEOUT VAULT HATCH REPLACEMENTS	NEW	\$125,000	\$125,000
Subtotal - Potable Projects					\$19,260,382
RECYCLED					
2010013	6	RWOS - LA PAZ BRIDGE CROSSING RW PIPELINE	DESIGN	\$400,000	\$200,000
2017014	7	RW MAIN INSTALLATION AT I-5 OSO CREEK CROSSING	DESIGN	\$1,900,000	\$1,660,000
	7	2018-19 ELECTRICAL SYSTEM IMPROVEMENTS - RW	NEW	\$525,000	\$100,000
	6	2018-19 RECYCLED WATER RETROFITS	NEW	\$50,000	\$50,000
	6	RWOS - MISCELLANEOUS DISTRIBUTION SYSTEM IMPROVEMENTS	NEW	\$1,000,000	\$100,000
Subtotal - Recycled Projects					\$2,110,000
WASTEWATER					
2011028	7	VALENCIA LIFT STATION REFURBISHMENT	CONSTRUCTION	\$1,024,022	\$824,022
2016006	7	UPPER SALADA ELECTRICAL SWITCHGEAR REPLACEMENT	CONSTRUCTION	\$698,600	\$50,000
2012024	7	UPPER SALADA LS AUX GENERATOR REPLACEMENT	DESIGN	\$850,000	\$750,000
2013004	7	REGIONAL LS FORCE MAIN REPLACEMENT	DESIGN	\$10,000,000	\$250,000
2017004	7	2017-18 SEWER LINING	DESIGN	\$250,000	\$200,000
2017015	7	OSO-TRABUCO STRUCTURAL REINFORCEMENT FOR RAILROAD EXPANSION	DESIGN	\$800,000	\$700,000
2017015	7	OSO-TRABUCO STRUCTURAL REINFORCEMENT FOR RAILROAD EXPANSION - SMWD REIMBURSEMENT	REIMBURSEMENT	-\$478,960	-\$419,090
2016008	7	NORTH ALISO CREEK LS ENHANCEMENTS		\$275,000	\$225,000
2017007	7	ALISO CREEK LS AUXILIARY GENERATOR REPLACEMENT		\$800,000	\$250,000
	7	DRYDOCK AND WESTGREEN SEWER REPLACEMENT		\$80,000	\$80,000
	7	SOUTHWING LS AUXILIARY GENERATOR REPLACEMENT		\$700,000	\$250,000
2017022	14	REGIONAL LIFT STATION ENHANCEMENTS	NEW	\$1,750,000	\$500,000
	7	2018-19 MANHOLE REHABILITATION	NEW	\$350,000	\$350,000
	7	2018-19 SEWER LINING	NEW	\$200,000	\$50,000
	14	CAMINO CAPISTRANO LIFT STATION AND FORCE MAIN	NEW	\$12,400,000	\$100,000
	7	NORTH ALISO CREEK LS FENCE REPLACEMENT	NEW	\$50,000	\$50,000
	7	VALENCIA LIFT STATION MANHOLE DIVERSIONS	NEW	\$475,000	\$50,000
Subtotal - Wastewater Projects					\$4,259,932
REGIONAL					
JRWSS	7	SCWD/JRWSS CAPITAL PROJECT	PROGRAM	\$6,704,304	\$1,640,517
SMWD	7	SMWD CAPITAL PROJECTS-JOINT FACILITIES	PROGRAM	\$200,000	\$200,000
SMWD	7	PLANT 3A IMPROVEMENTS	PROGRAM	\$13,570,851	\$8,847,318

PROPOSED FY 18-19 BUDGET

PROJECT NO.	FUND	PROJECT NAME	PROJECT STATUS/ PRIORITY	TOTAL PROJECT BUDGET	PROPOSED FY 18-19 BUDGET
SOCWA	7	SOCWA CAPITAL PC 2	PROGRAM	\$13,431,138	\$1,815,590
SOCWA	7	SOCWA CAPITAL PC 5	PROGRAM	\$207,784	\$31,818
SOCWA	7	SOCWA CAPITAL PC 17	PROGRAM	\$31,024,013	\$4,814,763
SOCWA	7	SOCWA CAPITAL PC 21	PROGRAM	\$43,521	\$43,521
SOCWA	7	SOCWA CAPITAL PC 24	PROGRAM	\$4,130,762	\$59,195
Subtotal - Regional Projects					\$17,452,722
UNANTICIPATED					
UP1819RR	7	UNANTICIPATED PROJECTS FUND 7	PROGRAM	\$300,000	\$300,000
UP1819PC	14	UNANTICIPATED PROJECTS FUND 14	PROGRAM	\$150,000	\$150,000
Subtotal - Unanticipated Projects					\$450,000
TOTAL					\$48,958,036



Presentation to Moulton Niguel Water District Board of Directors

April 16, 2017

Work to Date

- Submitted a full Hazard Mitigation Grant application for the Regional Force Main
- Submitted a Hazard Mitigation Grant Notice of Interest (NOI) for seismic retrofits at 18 potable water steel tank reservoirs
- Strategic Planning Meetings with District Staff and West Yost
- Detailed CIP and Planning Document Review
- Targeted Grant Strategy Development
- Coordinating WaterSMART Grant Submission due May 2018 – Requesting \$300k for AMI

Best Fitting Grant Programs

- WaterSMART Grant Program – Application in Process (Grant Request: \$300,000)
- Pre-Disaster Mitigation Grant Program (Grant Award Range: \$3-4 Million)
- Hazard Mitigation Grant Program (Grant Award Range: \$3-4 Million)

Future Funding Opportunities

- CALFED Water Use Efficiency Grants (Grant Award Range: \$750,000)
- WaterSMART Grant Programs (Grant Award Range: \$300K - \$400K)
- Title XVI Construction Program once the Recycled Water Optimization Study is complete (Grant Award Range: Variable)

Future Funding Opportunities

- Proposition 68 (SB 5) – Parks, Environment, and Water Bond on the June ballot.
- Water Supply and Water Quality Act of 2018 – a citizen’s initiative water bond that if qualifies, will be on the November ballot.
- Integrated Regional Water Management (IRWM) Program

Bond Details

- Proposition 68, June Ballot:
 - \$250 million is available for clean drinking water and drought programs.
 - \$100 million for prevention of damages from stormwater, mudslides, and flash floods including \$100 million to the California Natural Resources Agency for competitive, multi-benefit projects in urbanized areas.
 - \$290 million for regional sustainability for drought, groundwater, and water recycling.

- November Water Bond:
 - \$400 million for wastewater recycling.
 - \$300 million for urban water conservation - Leak detection, toilet replacement, landscape conversion.
 - \$600 million for stormwater management.

Competitive CIP Projects

- AMI Projects
- Recycled Water Projects (Based on Optimization Study)
- Seismic Retrofitting Projects
- Regional Force Main Project
- Water Conservation Projects on the District's Infrastructure

Questions?

**Thank You
Moulton Niguel Water District!**

