



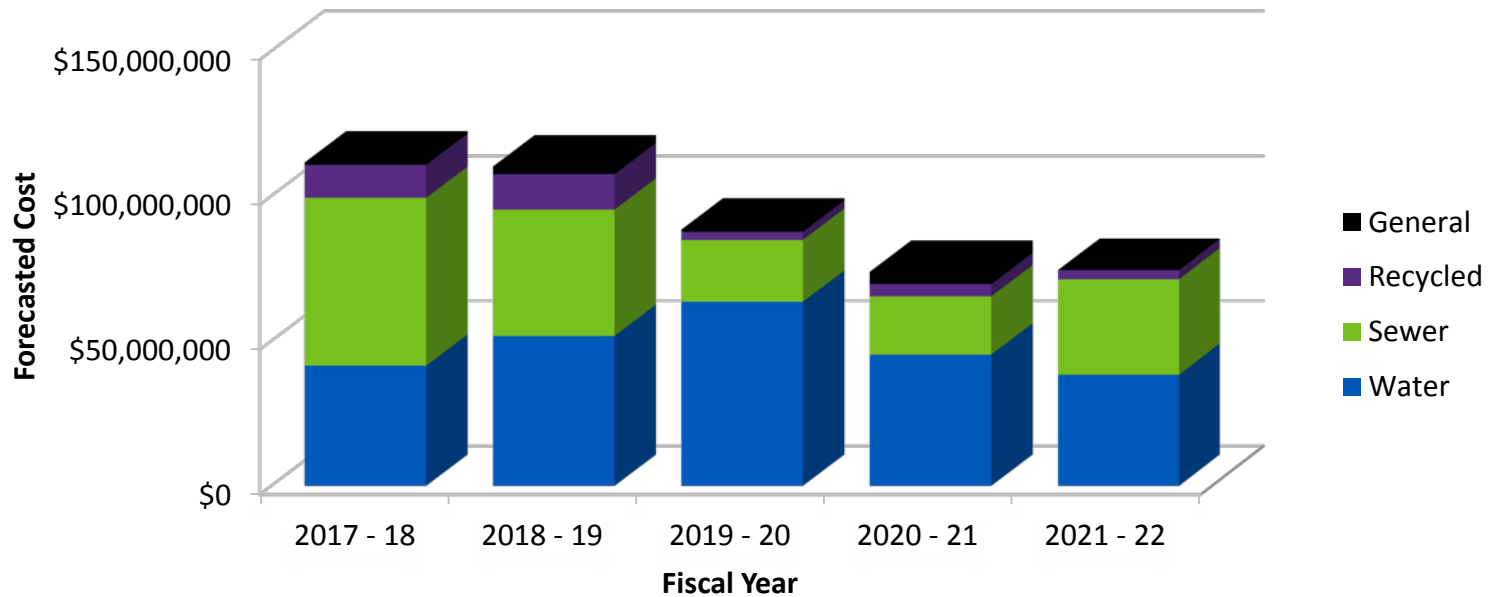
Capital Improvement Program Progress Report – 2017/18 Q1 & Q2

Joe Mouawad, P.E.

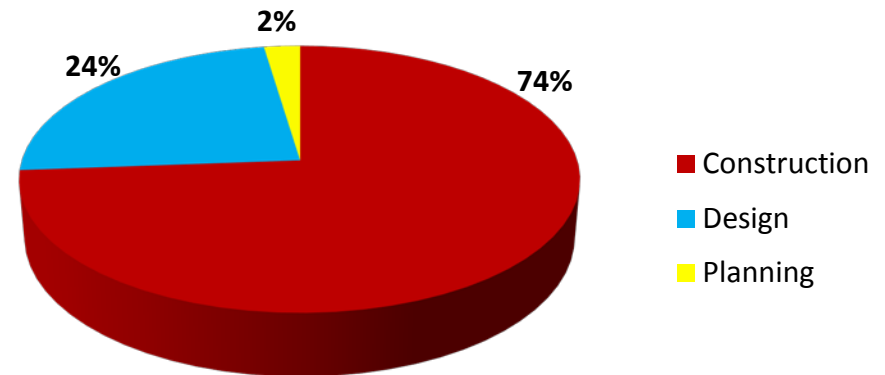
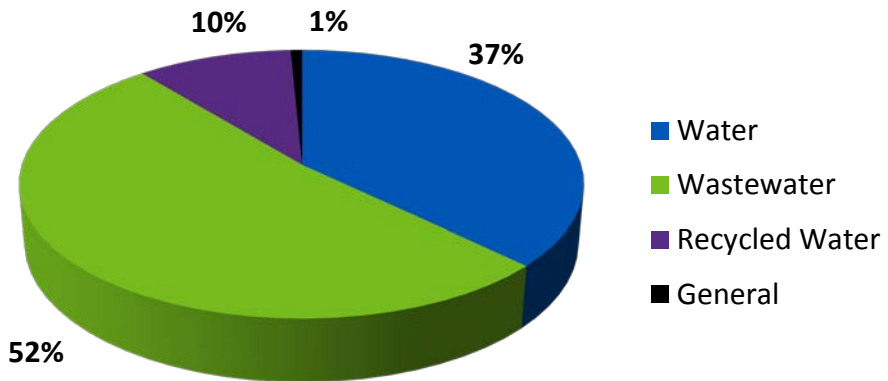
March 5, 2018

2017-2022 Capital Improvement Program

- Total budget of \$458 M with estimated external funding of \$65M
- Water system investments average \$48M/year over the five-year period
- TVRWRF Expansion accounts for largest single expenditure
- Perris II Desalter, Solar Expansion, Groundwater Banking

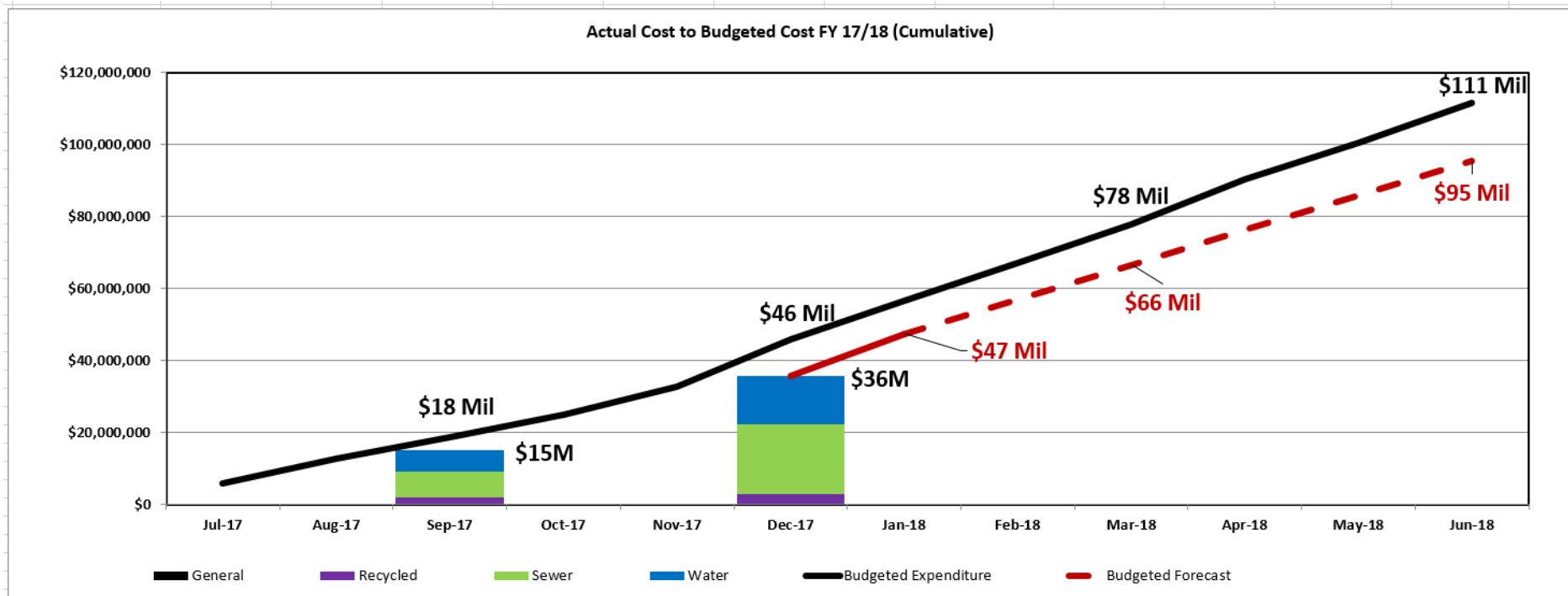


2017-18 Capital Improvement Program Breakdown



PROJECT TYPE	COUNT	2017 – 18 (\$ Million)
WATER	50	\$41 M
SEWER	32	\$58 M
RECYCLED	15	\$11 M
GENERAL	3	\$1 M
TOTAL	100	\$111 M

2017-18 Q1 & Q2 Capital Improvement Program Performance



2017-18 CIP Q1 & Q2 Expenditures

Q1 & Q2 Top 5 Project Expenditures:

• TVRWRF 23 MGD Expansion	\$14.4 Mil
• PWWP Membrane Replacement	\$4.6 Mil
• MV Sewer Improvements	\$1.8 Mil
• La Piedra Recycled Water Pipeline	\$1.5 Mil
• Redlands & Hemlock BS	\$1.4 Mil
Total	\$ 23.7 Mil



Q1 & Q2 Top 5 Below Target Project Expenditures:

• Perris & Elder Transmission Main	-\$2.3 Mil
• Quail Valley Sewer Subarea 9-Ph1	-\$1.1 Mil
• Audie Murphy Road Lift Station	-\$1.8 Mil
• Perris II Desalter	-\$0.7 Mil
• Daily Rd Drainage and BS	-\$0.3 Mil
Total	\$ -6.2 Mil



FY 2017-18 Construction Projects Completed Q1 & Q2

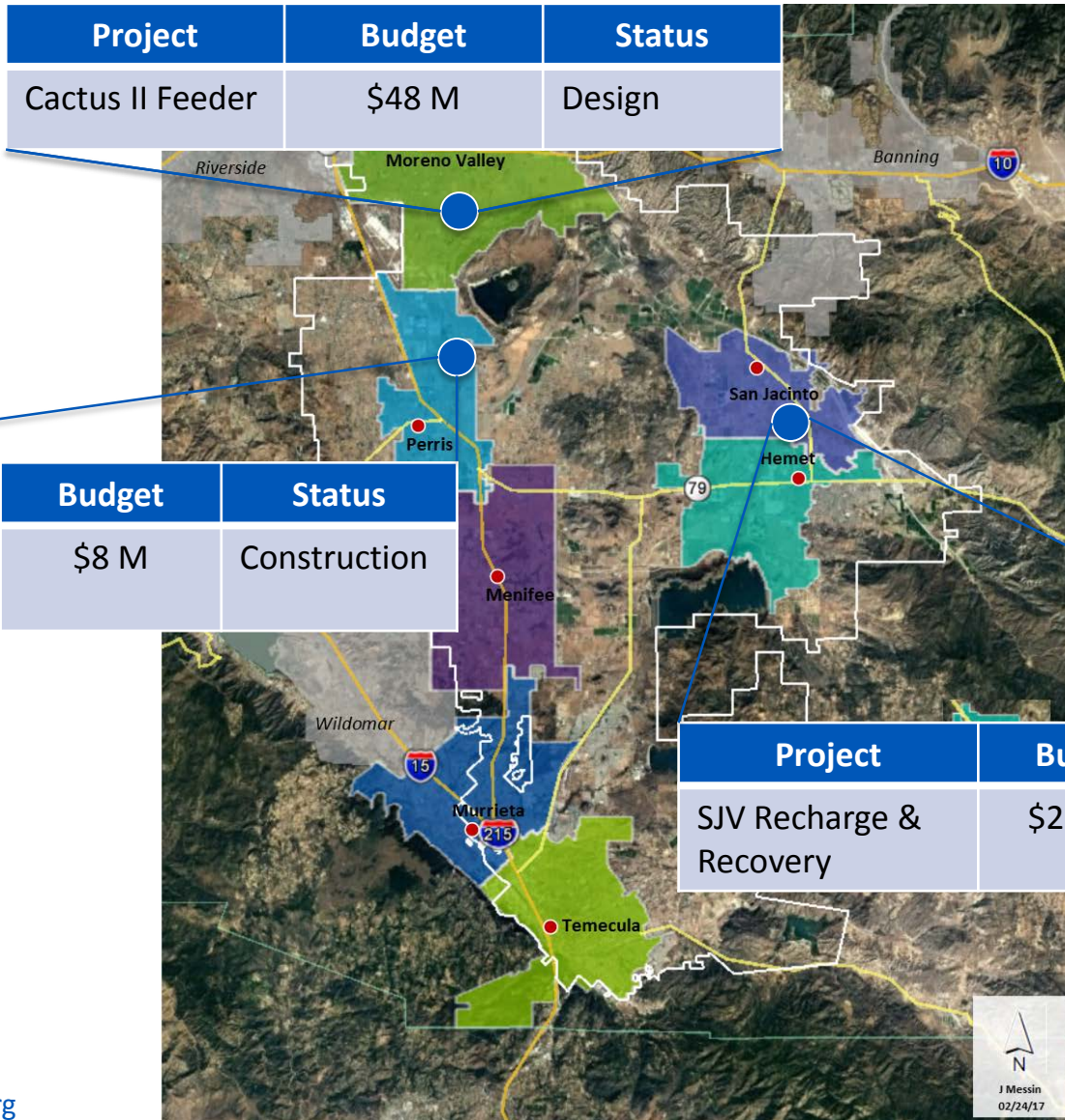
	Completion Date	Contract Amount
1. Sun City Lift Station Odor Control	Jul 2017	\$2.8 M
2. Perris Valley Line "A" Street 24" Water Pipeline Relocation	Jul 2017	\$0.4 M
3. Forsyte St Sewer Line Abandonment	Aug 2017	\$0.015M
4. Well 37 Drilling and Testing	Aug 2017	\$1. M
5. La Piedra Recycled Water Pipeline and Freeway Crossing	Oct 2017	\$1.5 M
6. Lakeview Effluent Pipeline Cathodic Protection	Nov 2017	\$0.6 M
7. Perris I and Menifee Desalters Membrane Replacement	Dec 2017	\$0.4 M
8. SJVRWRF Dewatering Building Corrosion Remediation	Dec 2017	\$0.3 M
9. North Trumble and PVRWRF Case Rd. Recycled Storage Ponds No. 1	Dec 2017	\$8.5 M
10. SJV, TV, and MV Digester Gas Sphere Condition Assessment	Jan 2018	<u>\$0.088M</u>
	TOTAL =	\$15.5 M



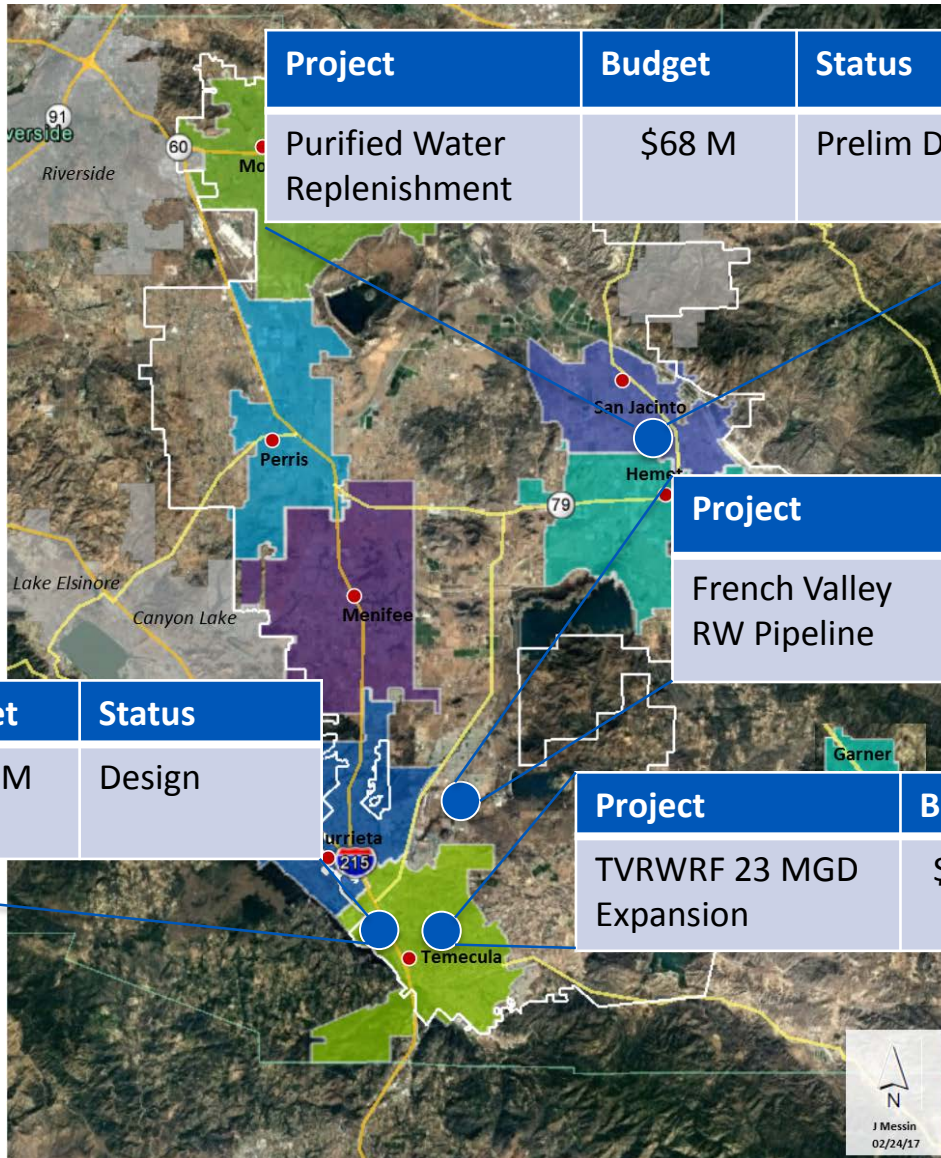
Recent Construction Bid Results

Project Name	Bid Date	Low Bid Amount	Engineer Estimate	Difference
1. MV/PV/SJV RWRFs Disinfection System Conversion	Jul 2017	\$3,175,779	\$4,775,000	-33%
2. Cottonwood Avenue Recycled Water Pipeline	Jul 2017	\$786,800	\$1,521,000	-48%
3. Paseo Vivora Pipeline Replacement Project	Aug 2017	\$643,000	\$1,349,000	-52%
4. College II Tank Interior Recoating	Sep 2017	\$960,900	\$1,385,000	-31%
5. Aquasel Brine Concentration Demonstration	Sep 2017	\$4,086,106	\$4,089,544	-0.08%
6. Pump Electrification (Phase 1)	Sep 2017	\$3,581,376	\$3,539,169	1%
7. TVRWRF Centrate Equalization Project	Oct 2017	\$1,176,029	\$1,282,253	-8%
8. Reach 4 Air Valve Replacements	Oct 2017	\$114,330	\$155,000	-26%
9. French Valley Recycled Water Pipeline	Oct 2017	\$667,748	\$779,000	-14%
10. Sun City Lift Station Electrical Upgrades	Oct 2017	\$2,438,535	\$2,940,000	-17%
11. Post Road Hydropneumatic Booster Pump Station	Dec 2017	\$2,673,958	\$2,684,000	0%
12. Winchester Recycled Pipeline Air/Vacuum Valves Replacement	Dec 2017	\$187,300	\$149,500	25%
13. Potable Water Well No. 38	Dec 2017	\$3,111,828	\$3,263,000	-5%
14. De Anza Lift Station Force Main Project	Jan 2018	\$2,659,000	\$2,560,000	4%
TOTAL=		\$17,316,082	\$19,873,466	-13%

Water Supply Diversity and Reliability



Water Recycling



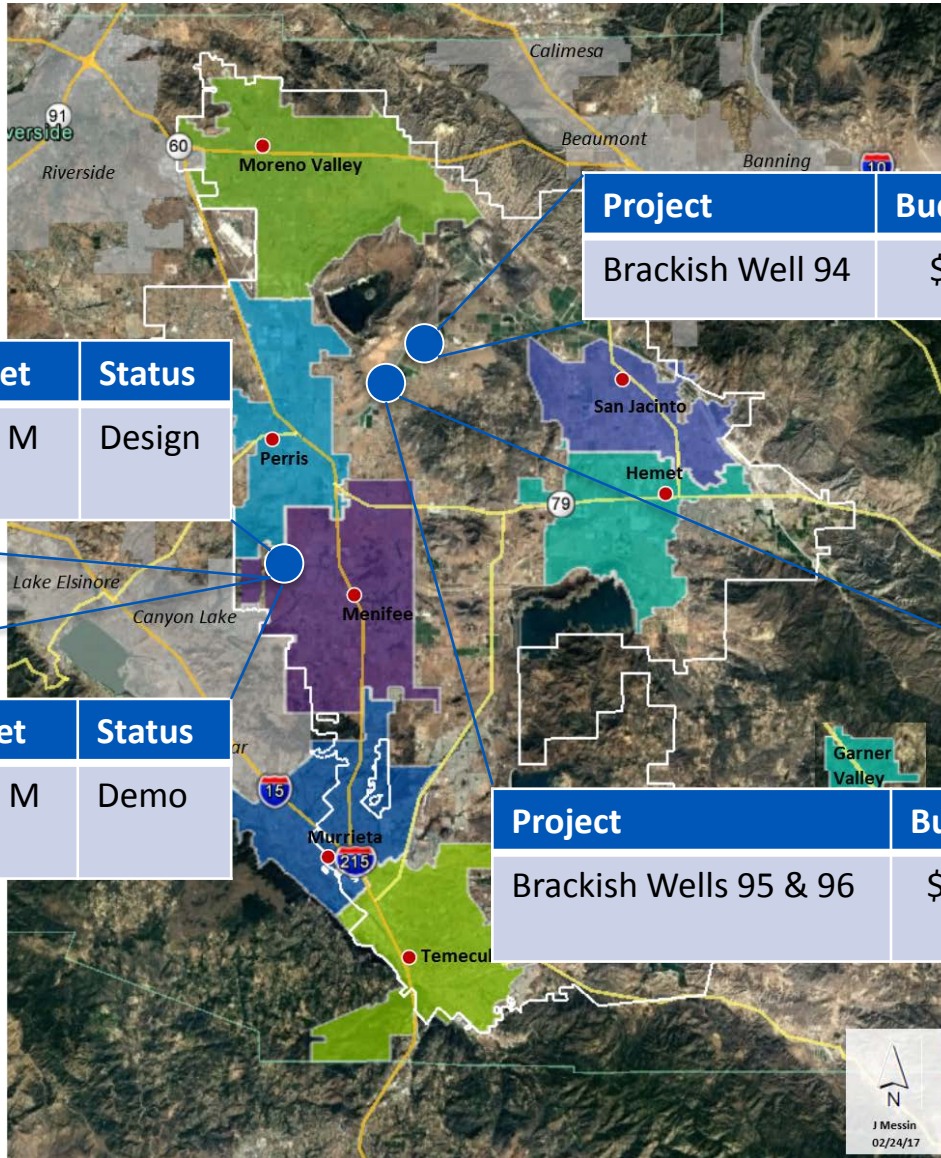
Project	Budget	Status
Purified Water Replenishment	\$68 M	Prelim Design

Project	Budget	Status
French Valley RW Pipeline	\$1.2 M	Construction

Project	Budget	Status
Temecula Recycled Water Pipeline	\$15 M	Design

Project	Budget	Status
TVRWRF 23 MGD Expansion	\$99.2 M	Construction

Salinity Management



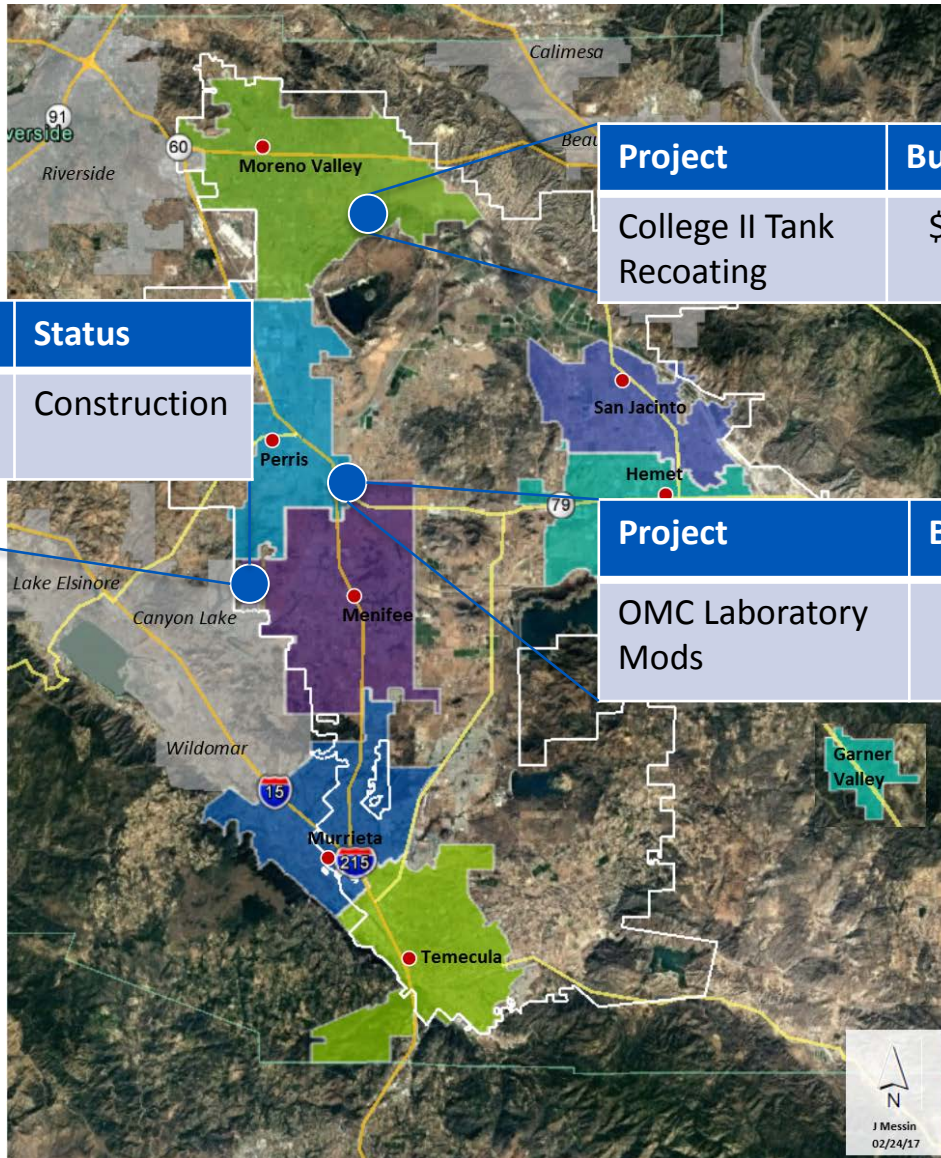
Project	Budget	Status
Brackish Well 94	\$1.3 M	Construction

Project	Budget	Status
Perris II Desalter	\$31 M	Design

Project	Budget	Status
Brine Concentration	\$0.7 M	Demo

Project	Budget	Status
Brackish Wells 95 & 96	\$2.6 M	Substantial Completion

Protection of Public and Environmental Health

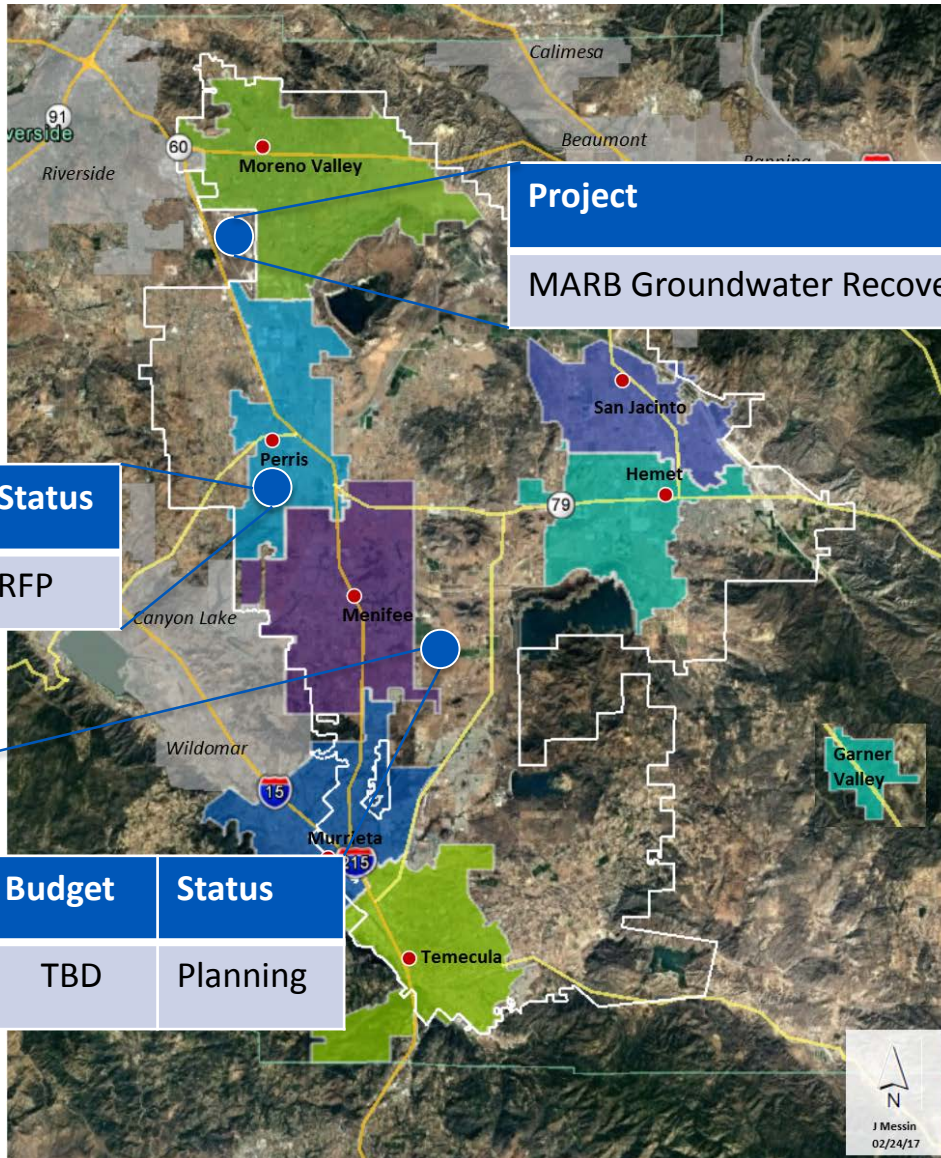


Project	Budget	Status
College II Tank Recoating	\$1.3 M	Substantial Completion

Project	Budget	Status
Quail Valley Sewer -Phase 1	\$14.4 M	Construction

Project	Budget	Status
OMC Laboratory Mods	\$3.4 M	Design

Sound Planning and Appropriate Investment



Project	Budget	Status
MARB Groundwater Recovery	\$55 M	Planning

Project	Budget	Status
Solar Phase III	\$0.2 M	RFP

Project	Budget	Status
EM-11 Pipeline	TBD	Planning

Accomplishments

- Completed TVRWRF Disinfection Conversion
- Initiated Construction of PVRWRF, MVRWRF, and SJRWRF Disinfection Conversion
- Initiated Construction of Quail Valley Sewer
- Recycled Water Conversion along La Piedra
- MARB Groundwater Recovery Program
- MWD Coordination to Advance EM-25 Raw Water Pipeline and EM-11 Transmission System
- Soboba Sewer Facilities/Agreement





Contact Information

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