



Engineering & Operations Committee

Engineering Services Manager's Report

Item 7b

May 10, 2022

Construction & Procurement Contracts March 2022

Construction & Procurement Contracts Through March 2022	
Number of Contracts at end of March 2022	37
Total Bid Amount of Contracts in Progress at end of March 2022	\$277M
Contracts Awarded in March 2022	1
Contracts With Notice To Proceed Issued in March 2022	1
Contracts Completed in March 2022	1
Contract Gross Earnings in March 2022	\$6M

Upper Feeder Santa Ana River Crossing - Leak Incident Investigation and Immediate Repair



Liquid Penetrant Tests



Short-Term Repair



Bridge Base Isolator Inspection

Upper Feeder Santa Ana River Crossing - Leak Incident

Path Forward



Mid-Term Solution (2023 Shutdown)

- Option 1: Weld Repair
- Option 2: Install WEKO Seal



Long-Term Solution

- Option 1: Install New Bellows
- Option 2: Install Slip-Joint

Innovative CRA Pump Flow & Efficiency Pilot Study

Gene Unit #1 Main Pump Efficiency and Flow Test

- Pilot study completed last month by WSO and ESG
- Tested innovative 'thermodynamic' method for determining real-time pump efficiency and flow using pressure, temperature, power
 - Device provided by Riventa of Cornwall, UK
- Funded mostly by WaterStart, water innovation not-for-profit that MWD is a member



2022 Member Agency Engineering Managers Meeting Forum

- Co-hosted with City of Anaheim
- Presentation by Anaheim on Alternative Project Delivery and PFAS treatment
- City Panel with panelists from City of Anaheim, Glendale, Santa Ana, and Santa Monica
- MWD updates to RRWP, CIP, and Etiwanda Test Facility
- 13 Member Agencies in attendance



Casa Loma Siphon Barrel No. 1

Siphon Replacement Project Contract



Field Assembly of Kubota ERDIP Sections



30-inch HDPE Drainage Pipe and Excavation

