THE OPERATIONS AND MAINTENANCE DEPARTMENT

AN INSIDE LOOK

Fiscal Years 2020 & 2021
OPERATIONS AND MAINTENANCE DEPARTMENT
MISSION STATEMENT

Operate and maintain the Aqueduct Delivery System in a reliable fashion and at a reasonable cost to the member agencies

The Operations and Maintenance Department (O&M) operates and maintains the San Diego County Water Authority’s (Water Authority) Aqueduct Delivery System. This system includes 310 miles of large-diameter pipeline, 1,418 line structures, 76 flow control facilities spread over 168 miles of right of way, two hydroelectric plants, seven pump stations, four flow regulatory facilities, a diversion structure, and the Olivenhain Dam & Reservoir. Twin Oaks Valley Water Treatment Plant and Carlsbad Desalination coordination are also managed within the department.

O&M supports Water System Management programs such as Energy Initiatives, Operations & Maintenance, and Facilities Security & Emergency Preparedness as defined in the Water Authority’s 2017-2021 Business Plan.

The department is organized into five main areas: Administration, System Operations, System Maintenance, Energy, and Asset Management. There are eleven budget cost centers (divisions): Administration (4311), Energy Services (4313), System Operations (4321), Operations Technology (4323), Technical Services (4331), Mechanical Maintenance (4341), Facilities Maintenance (4342), Rotating Equipment Maintenance (4343), Fleet Services (4351), Asset Management (4381), and Twin Oaks Valley Water Treatment Plant (1101).

O&M is located at the Fred A. Heilbron Operations Center in Escondido, CA. There are 86.5 O&M employees, as well as staff from other departments and consultants who are stationed in the Escondido office. The 2.7-acre site includes:

- Operations center control room
- Machine shop
- Fleet repair
- Vehicle bays & storage
- Valve service and repair shop
- Carpentry shop
- Radio room
- Offices
- Library
- Conference and meeting rooms
- Training facility
- Records storage
- Supplies, materials, and small equipment storage

O&M staff also store reserve and emergency parts and equipment in several locations throughout the county for quick access during an emergency.

The following pages describe O&M in general terms. For more specific information about the department, please contact Jim Fisher, Director of Operations and Maintenance, at (760) 233-3237.
Total Water Authority Operating Budget FY 20 & 21 = $108.5 Million

<table>
<thead>
<tr>
<th>Department</th>
<th>FY 20 &amp; 21</th>
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<tr>
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Operating Budget by Department
## Total O&M Operating Budget FY 20 & 21 = $41.6 Million

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<tr>
<th>Department</th>
<th>FY20 Budget</th>
<th>FY21 Budget</th>
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<td>2,880,633</td>
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<td>4381 Asset Management</td>
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<td><strong>20,732,516</strong></td>
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### Twin Oaks Valley WTP

<table>
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<tr>
<th>Department</th>
<th>FY20 Budget</th>
<th>FY21 Budget</th>
<th>Total 20-21</th>
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<tr>
<td>Twin Oaks Valley WTP</td>
<td>10,294,068</td>
<td>11,116,257</td>
<td>21,410,325</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>10,294,068</strong></td>
<td><strong>11,116,257</strong></td>
<td><strong>21,410,325</strong></td>
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</tbody>
</table>

### O&M Resource Allocation

- **O&M Administration**: 7%
- **Energy Services**: 14%
- **System Operations**: 16%
- **Operations Technology**: 10%
- **Technical Services**: 7%
- **Fleet Services**: 5%
- **Rotating Equipment**: 8%
- **Facilities Maintenance**: 9%
ADMINISTRATION
(4311)

Develop, implement, and maintain an administrative management program, which fulfills the needs of our internal and external customers. Act as a liaison to Board and external customers in support of Water Authority objectives.

The Administration section is home to the Director of O&M, and seven additional staff. Staff perform a variety of duties to fulfill administrative needs at the Escondido Operations Center.

The Administration section’s range of responsibilities includes:

- Budget management
- Equipment Replacement Fund management
- Asset tracking
- Procurement processing
- Contract negotiation/administration
- Invoice processing
- Water Agency Emergency Collaborative (WAEC)
- Emergency Action Plan updates
- Emergency exercises
- Quagga mussel program management
- Grants management
- Escondido office management
- Records management
- Policies and procedures
- Strategic and business planning
- Board support
- O&M Department web page
- Technical writing
- Special projects
- Department oversight (Director of O&M)

The Administration section is heavily involved in all aspects of budget management including development, expenditure forecasting, tracking, cost analysis, account/invoice reconciliation, and asset tracking. Scope and schedule development for procurements and contract administration are also closely tied to this effort. As of December 2019 the O&M department manages 48 active formal contracts and many more informal contracts totaling more than $146 million. O&M Administration staff process thousands of invoices each year in support of O&M activities.

Emergency preparedness responsibilities include maintaining the Water Authority’s Integrated Contingency Plan (ICP) and Emergency Action Plans; coordinating Incident Command System (ICS) assignments and training; documenting compliance with state and national standards; conducting internal and external workshops, training and exercises; and interacting with external organizations. Administration staff also facilitate a regional Water Agency Emergency Collaborative group (WAEC) that brings together member agency representatives and regional partners to discuss emergency preparedness issues and increase readiness to respond. Additionally, several Administration staff fill leadership roles within the organization’s incident command structure and represent the Water Authority at the County’s Operational Area Emergency Operations Center.

Since 2007, the Administration section has coordinated with regulatory and water agencies to better understand regional quagga mussel population behavior, share information, and document response and control efforts. O&M staff implement the program components as prescribed.
In addition to these specialty items, Administration handles a variety of daily office tasks to meet the administrative needs of the O&M Department and provide service to those visiting the Escondido Operations Center.
Major Objectives – FY 20 & 21

- Complete annual updates of the Member Agency Communication System, O&M Policies and Procedures, Water Authority strategic and business plans, and department operating plans.

- Conduct or participate in an annual emergency exercise.

- Participate in national, regional, and member agency meetings and working groups to further interagency communication.

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**4311 Budget**

- **2020 Budget = $1,638,707**
- **2021 Budget = $1,416,410**
ENERGY SERVICES

(4313)

Oversee energy operations, operate and maintain the Water Authority’s hydroelectric facilities, monitor energy usage for Water Authority owned facilities, and capture associated expenses and revenue for Board visibility.

Energy services is a cost center established to capture energy related revenue and expenses associated with Water Authority facilities. These include operations and maintenance of the Hodges Pumped Storage Facility (Hodges) and the hydroelectric portion of the Rancho Peñasquitos Pressure Control and Hydroelectric Facility (Rancho Hydro), as well as overall management of energy operations. Work is primarily performed by O&M staff in the Administration and Rotating Equipment sections and includes:

- Contract negotiation/administration
- Energy planning coordination
- Energy production scheduling
- Energy regulatory compliance
- Hodges Pumped Storage Facility contract operations and Power Purchase Agreement oversight
- Hodges preventive and corrective maintenance (PM/CM)
- Rancho Hydro PM/CM
- Hydroelectric revenue
- Facility energy costs
- Solar energy offsets

Hodges stores energy by moving water between Olivenhain and Hodges Reservoirs based on dispatches received from San Diego Gas and Electric. Operations staff operate the facility, Rotating Equipment staff maintain the facility, and Administration staff monitor production and coordinate the administrative side of the operations.

Rancho Hydro is also operated by Operations staff and maintained by Rotating Equipment staff with administrative support by Administration staff. Because this facility is an in-line hydro facility, its’ operation is constrained by aqueduct operations. The original power purchase agreement expired in 2017 and the Water Authority now sells power to the California Independent System Operator (CAISO) with the assistance of a contracted scheduling coordinator.

Administrative staff also manage several other power contracts including a 50-year contract with Western Area Power Administration for the purchase of power from the Hoover Dam, and solar panels at three Water Authority facilities. Staff also administers all the power contracts and billing for Water Authority facilities and monitors tariffs and opportunities to reduce energy costs. Energy costs for the Claude “Bud” Lewis Carlsbad Desalination Plant and the Twin Oaks Valley Water Treatment Plant are covered under other cost centers.

Additionally, O&M staff coordinates with Energy Program planning staff to assist in optimization of the water – energy nexus and explore opportunities to reduce Water Authority and regional costs while building energy resilience and independence.
Major Objectives – FY 20 & 21

- Coordinate O&M energy and continue to optimize energy usage, generation and tariff selection.

- Develop a major maintenance and replacement plan for the Hodges Pumped Storage Facility (Business Plan Objective No. 3 under Water Facilities: Water System Management).
2020 – 2021 Operations and Maintenance Department

2020 Budget = $2,867,077
2021 Budget = $2,880,633
SYSTEM OPERATIONS
(4321)

Monitor and operate the delivery system at a high level of reliability and meet appropriate federal, state, and local environmental health, safety, and training requirements.

The System Operations section controls and monitors water flow in the aqueduct system 24-hours a day, 7-days a week from the control room in Escondido. Operation staff manages three major sources of water into the San Diego region: 1) treated and untreated water from Metropolitan Water District of Southern California (MWD) 2) treated water from Twin Oaks Valley Water Treatment Plant and 3) treated water from the Carlsbad Desalination Plant. System Operations consists of three operational functions: control room operations, field operations, and energy management.

Control room operators coordinate flow changes three times a day or at any time in the event of an emergency. Operators regulate water flow requests from member agencies through a computerized Supervisory Control and Data Acquisition (SCADA) system, which displays each pipeline’s current flow, requested flows, critical pipeline flows, meter, valve information, live water quality data, pipeline pressures, and data communication. Flow changes are carefully coordinated to balance the system and maintain proper flows to the terminal service connections. The SCADA system warns operators of potential problems with alarm displays and audible warnings, and may be monitored and controlled from select remote locations. Bi-monthly meetings are held with the heads of the member agency operating departments to exchange information pertaining to operations and maintenance issues.

The field operations component of the section provides routine maintenance and calibration of a variety of equipment and is responsible for monitoring and operating pump stations, pressure and flow control facilities, and hydroelectric plants. Field operators perform a variety of duties including valve changes necessary to meet system requirements, power plant and pump station control and adjustment, regulatory inspections of facilities, sampling for water quality, and responding to member agency requests for service. In addition, they are responsible for managing the Olivenhain Dam, reservoir and related facilities, and monitoring the water quality parameters of the reservoir.

The System Operations section is also in charge of coordinating power production and management of the Twin Oaks service contract. There are currently two hydroelectric generation facilities that produce up to 45 MW of electricity. The operators are in charge of operating the 5 MW Rancho Penasquitos Hydroelectric facility and the 40 MW Lake Hodges Hydroelectric facility, as well as scheduling generation with SDG&E.

In addition to the three operational functions, the System Operations section provides specialized regulatory review and negotiations to maintain compliance with all state and federal regulations. The Water Authority’s water system is subject to regulation by the Environmental Protection Agency, the State Water Resources Control Board, the Regional Water Quality Control Board, the Department of Safety of Dams, the California Department of Fish and Game, and the Federal Communication Commission. The Water Authority’s energy system is regulated by the Federal Energy Regulatory Commission, California Energy Commission, California Independent System Operator, the Western Energy Coordinating Council, and the Energy Information Administration. Each of these regulatory bodies requires routine compliance reporting.
All operators in this section are certified for water distribution and water treatment by the California State Water Resources Control Board, Division of Drinking Water.
Major Objectives – FY 20 & 21

- Operate aqueduct system to provide continuous service to member agencies and minimize adverse water quality impacts in support of customer service.
- Integrate new facilities, water quality analyzers, or operational changes into the SCADA system as needed.
- Maintain a three-year shutdown schedule to aid in effective resource loading.
- Coordinate and perform multiple aqueduct shutdowns in FY 20 and FY 21 in support of the Asset Protection Program, Capital Improvement Program (CIP), and preventive maintenance programs.
- Provide technical oversight, as needed, for CIP, Emergency Storage Project and desalination.
- Develop and update written operational policies, practices, and procedures.
- Conduct bi-monthly Water Authority member agency meetings and attend MWD member agency meetings, focusing on system operation issues and topics.
- Coordinate water demand management strategies with member agencies and regional agencies.
- Maintain water quality sampling program in compliance with the Olivenhain-Hodges Reservoir Regulating Plan.
- Perform water quality sampling as required by regulatory agencies.
- Perform monthly Olivenhain Dam Inspections, and one annual Division of Safety of Dams inspection.
- Maintain member agency website for operational and water resource data.
- Develop annual Aqueduct Operating Plan and Reservoir Operating Plan.

![4321 Budget](chart.png)

- **2020 Budget = $3,374,299**
- **2021 Budget = $3,309,379**
Ensure the security, maintenance, and high availability of the Aqueduct Control System (ACS) and its associated technology.

The ACS is an industrial control system used to control and monitor more than 100 facilities, including; Flow Control Facilities (FCFs) used to distribute water to our member agencies, hydro-electric generating facilities, pump stations, as well as treatment and desalination plant support facilities. The ACS is also generically known as the SCADA system.

The ACS is managed by the Operations Technology (OT) Section of the O&M Department. OT is different than its counterpart Information Technology (IT) in that OT maintains hardware and software that detects or causes a change through the direct monitoring and/or control of physical devices, processes, and events in the Aqueduct System, while IT maintains hardware and software for managing the flow and protection of digital information in the business system. (IT deals with information, while OT deals with machines)

The OT section is responsible for the design, support, and maintenance of the ACS as well as camera and card access systems on a county-wide communication network. OT provides “in house” software and graphic development for both new facility integration and system modifications. OT staff is responsible for keeping the ACS secure, performing at a high level, and available 24/7. (>99.9% for more than 12 years.)
Major Objectives – FY 20 & 21

- Assist O&M sections with facility modifications and control system improvements.
- Provide project support and ACS integration as needed for CIP.
- Maintenance of the access control system.
- Maintain and keep the ACS secure while providing continued high availability.
- Maintenance of the video surveillance system.
- Timely and ongoing ERF replacement, ensuring system reliability.
- Develop a communication system master plan for the Water Authority’s Aqueduct Control System. (Business Plan Objective No. 9 under Water Facilities: Water System Management).

4323 Budget

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<th>Item</th>
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<td>Other</td>
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TECHNICAL SERVICES
(4331)

Ensure reliable, efficient operation, maintenance, and repair of the electrical/electronic components of the water delivery system.

The Technical Services section maintains the electrical, electronic, instrumentation, SCADA and communication systems, associated with the water delivery system. Routine work consists of installation, maintenance and repair of instrumentation and controls associated with the SCADA system; radio, fiber optic, and encrypted cellular data communication systems; 600-volt electrical equipment; system integration and networked devices including surveillance cameras, intrusion and card access systems. All meters used for revenue and process control are calibrated at least two times a year to verify accuracy. The section also tests and maintains the Water Authority two-way emergency radio system used for Water Authority truck to truck and truck to base two-way communications as well as Member Agency two-way radio communications with the Water Authority. The section provides design and construction support such as inspection services and reviews and comments on submittals and RFI’s for Capital Improvement Projects (CIP). The section reviews and updates Water Authority Electrical Design Guide drawings and specifications and provides technical assistance to the Aqueduct Protection Program.
Major Objectives – FY 20 & 21

- Modify foundation fieldbus automation of major pumping and hydroelectric facilities.
- Provide technical oversight as needed for CIP.
- Support SCADA work group and maintain the aqueduct control system.
- Support MAXIMO CMMS system to document labor and resource needs.
- Manage access control and intrusion alarm security related activities.
- Support the upgrade of the data communications system including high performance antennas and fiber optic system.
- Maintenance, system enhancements, and upgrades of the video surveillance system.
- Support Asset Management including the Aqueduct Protection Program and upgrades needed for infrastructure reliability.
- Provide and document calibration of all flow metering for custody transfer of water to member agencies.
4331 Budget

- Labor: 2020 Budget = $1,368,783, 2021 Budget = $1,404,368
- Benefits: 2020 Budget = $809,333, 2021 Budget = $876,720
- Services: 2020 Budget = $63,369, 2021 Budget = $68,408
- Supplies: 2020 Budget = $22,000, 2021 Budget = $23,000
- Utilities: 2020 Budget = $14,000, 2021 Budget = $14,000
- Insurance: 2020 Budget = $20,000, 2021 Budget = $19,000
- Lease/Rents: 2020 Budget = $21,000, 2021 Budget = $17,000
- Other: 2020 Budget = $1,000, 2021 Budget = $1,000
- Fixed Assets: 2020 Budget = $10,000, 2021 Budget = $10,000
MECHANICAL MAINTENANCE  
(4341)  

Maintain and repair the delivery system and associated equipment to ensure a high level of readiness and reliability

The Mechanical Maintenance section’s responsibilities include preventive and corrective maintenance on the Water Authority’s aqueduct system. Maintenance activities are performed on 1,424 line structures, 76 flow control facilities and related critical appurtenances such as valves and electric actuators. In addition, this section performs repairs, rehabilitation and upgrades of aqueduct piping and facilities/major assets. Preventive maintenance includes routine planned/scheduled work required to keep equipment and facilities in a reliable and standard operating condition, and to preserve and/or extend their service life. Corrective maintenance is performed to return equipment, infrastructure and facilities to their standard operating condition following a breakdown or failure. The Mechanical Maintenance section provides the following services:

- Welding, fabrication, and construction
- Facility/structure repair and upgrades
- Facility painting
- Pipeline shutdown services
- Pipeline repairs, installations and upgrades
- Maintenance of critical aqueduct assets
Major Objectives – FY 20 & 21

- Perform preventative, predictive, and corrective maintenance on Water Authority aqueduct assets.
- Conduct aqueduct shutdowns in support of Aqueduct Protection Program, Capital Improvement Program (CIP), and preventative maintenance.
- Review, coordinate and provide O&M support services to major maintenance and CIP projects.
- Repair, rehabilitate, replace and upgrade aqueduct pipes, valves, actuators and related appurtenances.
2020 – 2021  Operations and Maintenance Department

2020 Budget = $2,399,359
2021 Budget = $2,184,292
FACILITIES MAINTENANCE
(4342)

Maintain and repair the delivery system, right-of-way, and associated properties to ensure a high level of readiness and reliability.

The Facilities Maintenance section is responsible for maintaining, rehabilitating and upgrading aqueduct facilities, buildings, property grounds, and access roads that belong to the Water Authority. Responsibilities include preventive, predictive, and corrective maintenance on the Water Authority’s Aqueduct, including over 1,133 structures, 76 flow control facilities, hydroelectric and pumping facilities, and 150 miles of dirt and asphalt access roads. Preventive maintenance includes routine planned/scheduled work required to keep equipment, facilities, roads and assets in a reliable and standard operating condition, and to preserve and/or extend their service life. Corrective maintenance is performed to return equipment, infrastructure, facilities and access roads to their standard operating condition following a breakdown or failure. The facilities maintenance section provides the following services:

- Welding, fabrication, and construction
- Facility/structure repair and upgrades
- Pipeline repairs
- Facility maintenance
- Line structure painting
- Access road grading/repairs
- Culvert maintenance and upgrades
- ROW vegetation maintenance
- ROW and fee property maintenance
- Pipeline shutdown support
- Heavy equipment operation
Major Objectives – FY 20 & 21

- Perform preventative, predictive, and corrective maintenance on Water Authority assets.
- Perform physical security upgrades and improvements, and support video/surveillance and communication system improvements.
- Conduct aqueduct shutdowns and outages in support of Aqueduct Protection Program, Capital Improvement Program, and preventative maintenance.
- Review, coordinate and provide O&M support services to major maintenance and CIP projects.
- Construct, rehabilitate and upgrade aqueduct facilities, access roads and infrastructure.
- Complete an Escondido Facilities master plan, using the results of the Escondido Facility Space Needs Assessment Study completed in Fiscal Year 2019, for an efficient and secure operating facility. (Business Plan Objective No. 5 under Water Facilities: Water System Management).
- Implement physical security assessment recommendations for critical facilities. (Business Plan Objective No. 7 under Water Facilities: Water System Management).
2020 – 2021  Operations and Maintenance Department

4342 Budget

- Labor
- Benefits
- Services
- Supplies
- Lease/Rents
- Other
- Fixed Assets

2020 Budget = $1,837,130
2021 Budget = $1,819,883
Maintain and repair the Water Authority’s major hydrogenation and pumping facilities.

Rotating Equipment section is responsible for the preventive, predictive and corrective maintenance on the Water Authority aqueduct delivery system’s pump stations and hydroelectric facilities. Preventive maintenance includes routine planned/scheduled work required to keep equipment and facilities in a reliable and standard operating condition, and to preserve and/or extend their service life. Predictive maintenance includes testing and analysis of equipment parameters as an indicator of required future maintenance. Corrective maintenance is performed to return equipment, infrastructure and facilities to their standard operating condition following a breakdown or failure. The Rotating Equipment section provides the following services:

- Pump Station maintenance
- Hydroelectric maintenance
- Facility/structure repair and upgrades
- Facility maintenance and painting
- Switchgear maintenance
- VFD maintenance
- Calibration of flow meters
- Pipeline Shutdown services
- Assistance to Construction Management teams
Major Objectives – FY 20 & 21

- Perform preventative, predictive and corrective maintenance on pump stations and hydroelectric facilities.
- Perform baseline assessment of pump stations and hydroelectric facility.
- Manage spare parts inventories for pump stations and hydroelectric facilities.
- Maintain the Lake Hodges Pump Station/Pumped Storage/Hydroelectric Facility.

4343 Budget

- 2020 Budget = $1,734,241
- 2021 Budget = $1,797,860
Establish and maintain a safe and reliable Water Authority vehicle fleet and ensure compliance with federal, state and local laws and regulations.

The safe and reliable operation of the Water Authority’s fleet of vehicles and construction equipment is the responsibility of the Fleet Services section.

The Water Authority’s fleet travels over 850,000 miles per year, averaging 3,632 miles per workday. The average life of a vehicle is nine years. Vehicles and equipment maintained include 18 passenger vehicles, 43 light duty trucks, 24 medium and heavy-duty trucks, eight heavy equipment, 21 construction equipment, 18 bridge cranes, nine mobile cranes, and numerous forklifts, welders, compressors, pumps, generators, electrical, and pneumatic tools.

Some of the tasks performed by Fleet staff include:

- Acquisition of new vehicles
- Outfitting of new vehicles
- Vehicle maintenance and repair
- Vehicle disposal
- Custom equipment design and fabrication
- Roadside assistance and repairs
- Vehicle modifications
- Permits and certifications
- Facility crane maintenance, repair, inspection, and certification
- Fuel card management system
- Support for shutdown projects

The Fleet Maintenance section uses a computerized maintenance management system, Maximo, for managing fleet and facility maintenance tasks. It also utilizes a vehicle manufacturer’s information system, Alldata, for information on current vehicles and equipment repair and diagnostic procedures, technical service bulletins, and detailed vehicle and equipment schematics.
Major Objectives – FY 20 & 21

- Complete all required preventive and corrective maintenance on Water Authority vehicles.
- Complete required bridge crane inspections.
- Implement the new California Air Pollution Control District diesel vehicle regulations.
- Complete required mobile crane inspections.
The purpose of the Asset Management Program is to maximize the value of the Water Authority’s primary assets in order to efficiently and effectively fulfill the Water Authority’s mission to provide a safe and reliable supply of water to its member agencies serving the San Diego region.

The Asset Management section manages four main categories:

Condition Assessment and Monitoring
- Pipeline Condition Assessments
- Facility Condition Assessments
- Prestressed Concrete Cylinder Pipe Monitoring Technologies
- Corrosion Control
- Technology Development

Data Management
- Computerized Maintenance Management System
- Asset Data Management
- Decision Support
- Asset Management Program Documentation

Program Management and Prioritization
- System-wide Risk Assessments
- Prioritization of Repair and Rehabilitation Projects
- Initial CIP Project Scope Development
- Budget Development Support

Capital Improvement Project (CIP) Support
- Technical Liaison
- CIP Project Management
- Engineering Design Group QA/QC Support
- Special Projects

The documentation defining the activities of the group include the Asset Management Plan, the Asset Management Funding Policy, the Asset Management Manual, the 5-Year Rolling Condition Assessment Plan, the Priority Projects Packet, and the Asset Management Scorecard.
Major Objectives – FY 20 & 21

- Manage the Acoustic Fiber Optic Monitoring System
- Maintain and monitor corrosion mitigation systems on pipelines and facilities
- Perform condition assessments and internal pipeline inspections
- Update repair/replacement schedules for pipelines and facilities
- Complete evaluation of innovative tools and technology for robotic pipeline inspections, which reduce water discharge, labor costs, and risk of pipeline failures. (Business Plan Objective No. 2 under Water Facilities: Infrastructure/CIP).
- Repair the Cathodic Protection System at various locations
- Seek new technology for pipeline inspection and condition assessments
- Update Scorecard and Condition Assessment Plan
- Complete facility demolition projects
- Determine the number of Member Agencies interested in a Member Agency Asset Management Support Network. Draft a plan to develop the network and formalize the procedures, if interest is sufficient. (Business Plan Objective No. 7 under Water Facilities: Infrastructure/CIP).