

# **CAPITAL IMPROVEMENT PLAN (CIP) PROJECTS QUARTERLY PROGRESS REPORT THIRD QUARTER – FISCAL YEAR 2023-24**

## **Purpose and Scope of Report**

This report summarizes the activities and milestones involved with the delivery of the Authority's Capital Improvements Program (CIP) during the third quarter of Fiscal Year (FY) 2024, and also provides an overview of the CIP, highlighting significant projects, CIP process improvements, accomplishments, and a discussion of significant areas driving change to CIP project delivery.

## **Capital Improvement Program Overview**

The Authority's CIP is a compilation of individual capital improvement projects, funded by an annually adopted budget and available local, state and federal grants. Summary pages of Major Projects and projects of interest are included below.

The Authority's assets include approximately 394 miles of transmission and distribution pipelines, 2 dams, 2 reservoirs, 2 treatment plants, 14 production wells, 19 monitoring wells, 21 pump stations, 35 potable and non-potable water tanks, 93 vehicles, and 3 buildings.

CIP Projects are identified through several guiding documents (Master Plans, Feasibility Studies, Regulatory Compliance, Board direction and Strategic Plan, etc), which inform the 5-year CIP outlook effort developed each budget cycle.

Executing the CIP portfolio, which includes refurbishing or rehabilitating existing structures as well as constructing new facilities, is complex due to the asset types, environmental consideration, and highly specialized work required for some of the projects. The CIP directly supports the operations of most of the Authority's Departments across a range of functions, including safety, environmental, distribution, recreation facilities and utilities projects. The table below identifies projects by asset type.

<b>Asset Type</b>	<b>Number of Projects</b>
Reservoirs	5
Dams	2
Wells	3
Treatment Plant	6
Pipelines, Services and Meters	9
Storage Tanks	5
Buildings (Improvements)	4
Other	6
<b>TOTAL</b>	<b>40</b>

The Other Asset Type category above relates to projects that do not correlate to a specific asset type. These projects are:

- Water Resources Master Plan
- Recycled Water Analysis
- Geographic Information Systems Assessment, Plan, and Expansion Portal
- Customer Service Information System Replacement
- Laboratory Information Management System
- Authority-wide Electronic Content Management System

As it pertains to the Water Resources Master Plan and Recycled Water Analysis, recommendations provided or to be provided on those plans could tie to multiple assets or none at all if implementation of specific projects evaluated in those plans does not proceed. As it pertains to the last four CIP Projects in the bullet points above, those projects are software upgrades not tied to a specific asset.

### **CIP Project Schedules**

The schedule for each CIP Project is included as Attachment 1. Since the last CIP Update in February 2024, staff has completed the following CIP Projects:

- Gasoline Underground Storage Tank Replacement
- Street Improvement – G Street, Bay Boulevard to Marina Parkway Main
- Street Improvement – Bonita Road Culvert

The table below shows the project phase for each funded and active CIP project.

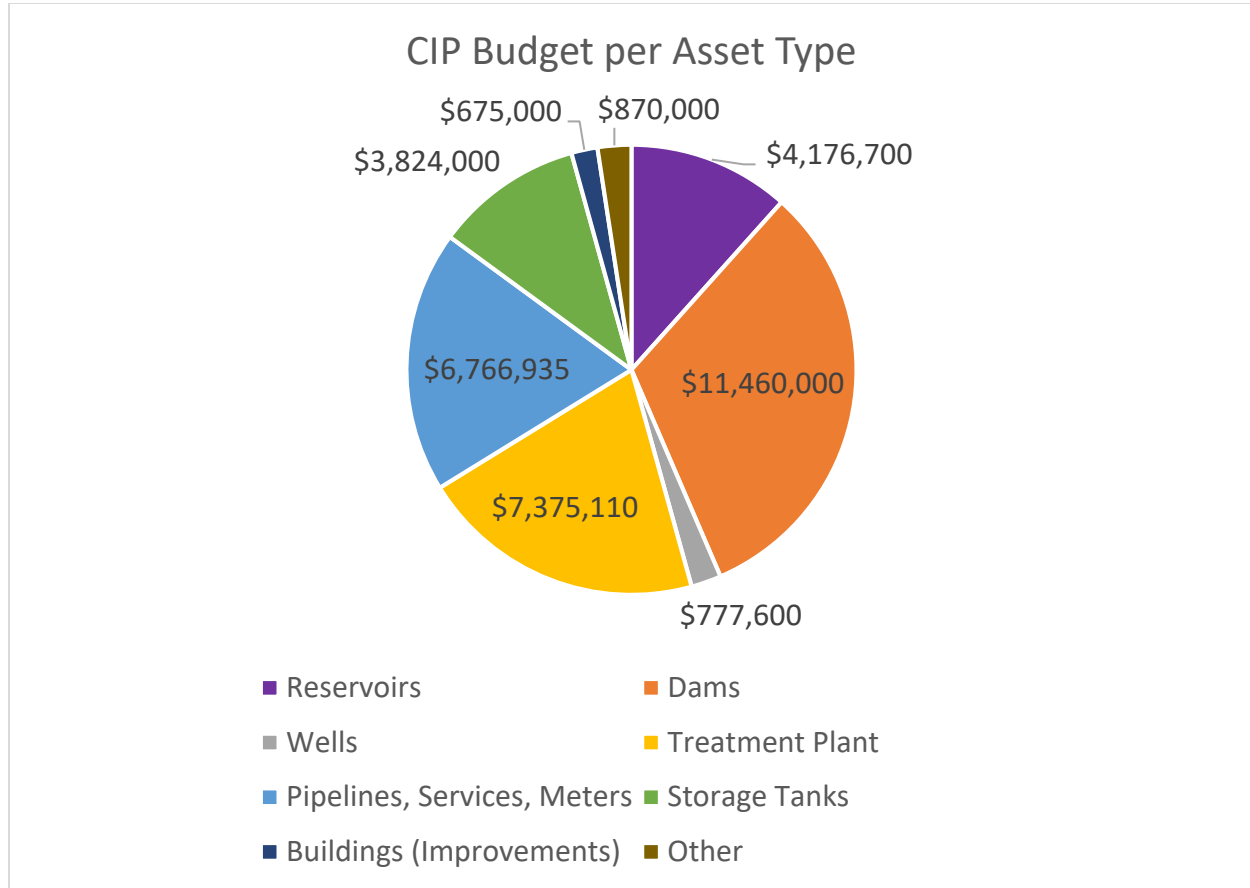
<b>Project Phase</b>	<b>Number of Projects</b>
Construction	7
Design and Permitting (including environmental)	13
Planning/Study	15
Street Improvements	2
Software Upgrades	3
<b>TOTAL</b>	<b>40</b>

From the table above, all Street Improvement CIP Projects are projects from land use agencies within the Authority's service area, which require relocation of water Authority facilities such as pipelines. Project schedules are driven by the land use agencies and not within the control of the Authority.

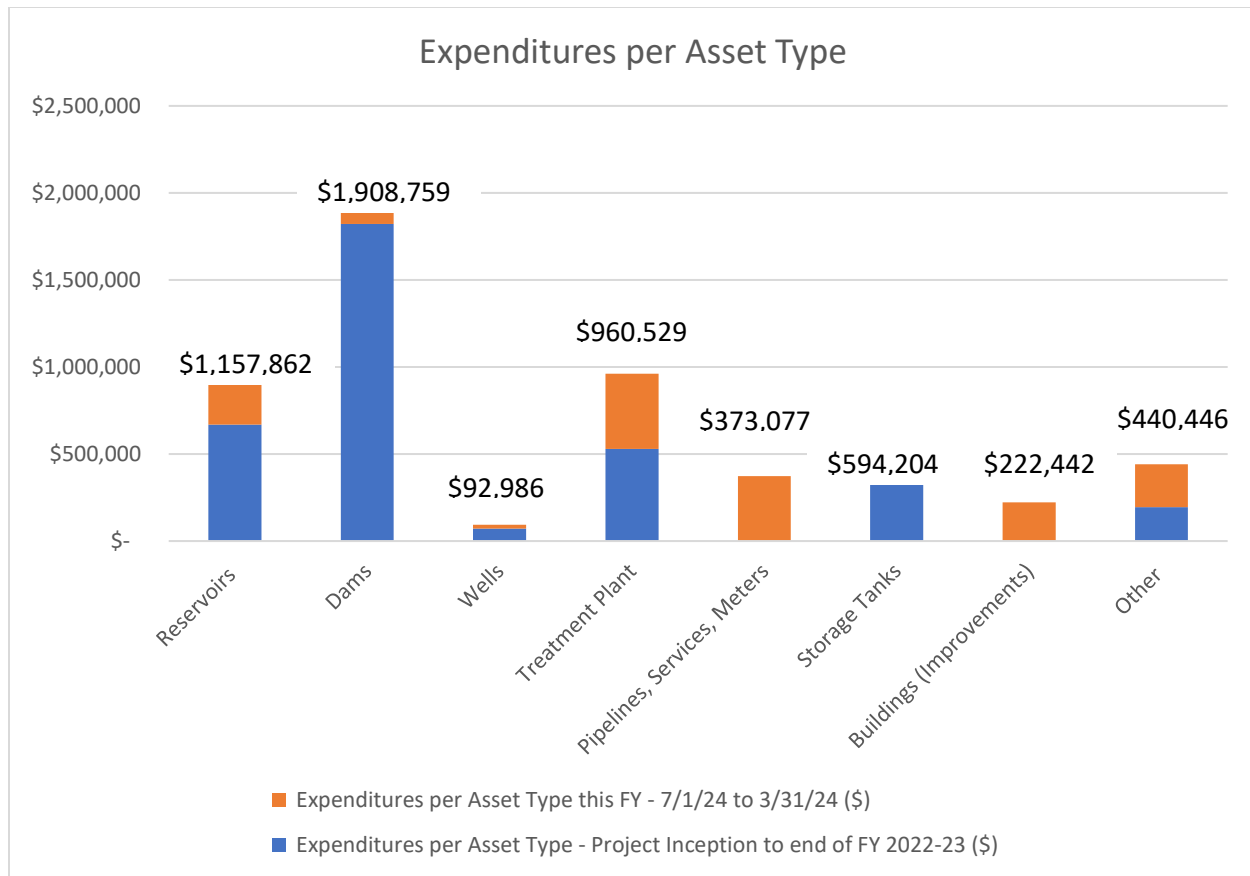
Locations of CIP Projects can be found on the Authority's website at the following address: <https://www.sweetwater.org/148/Current-Projects>

## CIP Budget and Expenditures per Asset Type

The Budget for each CIP Project is allocated by the Board as part of the annual budgeting process. The pie chart below shows allocated budget per asset type.



CIP Project expenditures per asset type can be seen in the bar graph below, where the lower part of the bars in the graph represent expenditures from project inception to the end of FY 2022-23, and the upper part of the bars in the graph represent expenditures for FY 2023-24 with a cutoff date of March 31, 2024, the end of the third quarter for FY 2023-24. The combination of the lower and upper parts of the bars in the graph represent total expenditures per asset type.



Data from the pie chart and expenditures bar graph above is consolidated in the table below. The fourth column from the left, on the table below, is inclusive of expenditures shown on the fifth column from the right.

Asset Type	Budget per Asset Type (\$)	Budget Balance	Expenditures per Asset Type - Project Inception to 3/31/24 (\$)	Expenditures per Asset Type this FY - 7/1/24 to 3/31/24 (\$)
Reservoirs	4,176,700	3,018,838	1,157,862	489,451
Dams	11,460,000	9,551,241	1,908,759	87,738
Wells	777,600	684,614	92,986	21,522
Treatment Plant	7,375,110	6,414,581	960,529	431,879
Pipelines, Services, Meters	6,766,935	6,393,858	373,077	372,987
Storage Tanks	3,824,000	3,229,796	594,204	58,937
Buildings (Improvements)	675,000	452,558	222,442	221,600
Other	870,000^	429,554	440,446	244,865
TOTAL	35,925,345*	30,175,040	5,750,305	1,928,979

\*Completed projects and ongoing programs where budgeted amounts do not carry over to the next fiscal year, like the Valve Replacement Program, are not included in the budget total. Vehicle Replacement Program also not included.

^Projects under Other Asset category above do not lead to a construction effort.

From the total CIP balance of \$30,175,040, an amount of \$6,116,910 has been encumbered towards construction efforts for seven construction projects.

## **Relationship of CIP Projects to Strategic Plan Work Plan**

The table below correlates CIP Projects to a specific Strategic Plan Work Plan Goal, Objective, and Task. All funded CIP Projects, with the exception of one, are listed in the Strategic Plan Work Plan for FY 2023-24. The Strategic Plan goals adopted by the Board are:

- Goal No. 1 – Water Quality (WQ): Provide high water quality water that meets regulatory requirements.
- Goal No. 2 – System and Water Supply Reliability (SR): Achieve an uninterrupted, long-term water supply through investment, maintenance, innovation, and development of local water resources.
- Goal No. 3 – Financial Viability (FV): Ensure long-term financial viability of the agency through best practices, operational efficiency, and maximizing assets.
- Goal No. 4 – Customer Service, Citizen Engagement and Community Relations (CS): Provide high-quality customer service based on customer feedback and serve the community through education, outreach, and partnerships.
- Goal No. 5 – Workforce Development and Constructive Labor Relations (WD): Attract, retain and develop a highly skilled workforce; equip employees to effectively and safely perform their jobs and prepare for career advancement; promote constructive labor relations.
- Goal No. 6 – Administrative Effectiveness (AE) – Provide efficient and effective administrative systems and procedures in accordance with best management practices.
- Goal No. 7 – Environmental Stewardship (ES) – Provide core services while maintaining a balanced approach to human and environmental needs.

As an example, a Strategic Plan Work Plan designation such as ES3-002.00 stands for Goal No. 7 – Environmental Stewardship, Objective No. 3, Task 002.00.

For reference, the FY 2023-24 Strategic Plan Work Plan can be found on the Authority's website at the following location:

<https://www.sweetwater.org/DocumentCenter/View/3001/Strategic-Plan-FY-2023-24-Work-Plan-PDF>

CIP Projects that are included in the FY 2023-24 Budget but have been completed are not included in the table below.

<b>Strategic Plan Work Plan Reference</b>	<b>CIP Project</b>
SR2-001.00	Cathodic Protection of Three Storage Tanks
SR1-001.00	San Miguel Rd. Pipeline to Central-Wheeler Tank
FV5-001.00	Clearwell Effluent Meter Replacement
SR1-002.00	Pipeline Replacement Program
SR9-007.00	Naples Street Large Meter Improvements
ES4-001.00	Sweetwater Wetlands Habitat Recovery
WQ7-002.00	Aeration/De-stratification System for Sweetwater Reservoir
AE1-002.00	Hazardous Tree Removal Defensible Space at Perdue
SR1-001.00	Central-Wheeler Tank
SR2-004.00, SR2-005.00, SR2-006.00, and SR9-003.00	Tank Rehabilitation Program
CS6-002.00	Customer Water Bill Payment Kiosk
SR9-017.00	SDF Well Pump Control Valve Modification
n/a	Laboratory Instrument Replacement
SR9-015.00	Raw Water Pump Variable Frequency Drive
SR9-008.00	Fire Tank Replacement at Loveland Reservoir
SR9-003.00	Bonita Valley Reservoir Control Building Roof Replacement
SR1-002.00	H Street Pipeline, Claire Vista Ave. to 750 feet east
SR9-005.00	Loveland Residence Roof Replacement and Photovoltaic Installation
SR5-001.00 and SR5-004.00	Stairway and Valve Replacement at Loveland Dam
WQ7-001.00	National City Wells Iron and Manganese Removal
FV4-001.00	Automatic Metering Infrastructure – Implementation
AE2-003.00	Water Resources Master Plan
SR11-001.00 and SR11-001.01	New SDF Well in National City

<b>Strategic Plan Work Plan Reference</b>	<b>CIP Project</b>
SR11-003.00	Recycled Water Analysis
CS2-002.00	Automatic Metering Infrastructure – Feasibility Study
AE3-004.00	Board Room Technology Upgrade
CS5-001.00 and CS5-002.00	Aesthetic Enhancements to Various Well Facilities
WQ1-004.00	Lead and Copper Service Line Inventory
WQ7-003.00	Sodium Hypochlorite Chlorination System at Perdue
CS8-002.00	Loveland Recreation Program Repairs Plan
WQ6-001.00 and FV6-001.00	Consulting Team for Sweetwater Reservoir Enhancement
SR6-001.00	City of San Diego 2nd pipeline Interconnection Replacement
SR9-002.00 and AE2-001.00	Facilities Master Plan
WQ6-002.00, WQ6-003.00, SR5-002.00, and SR5-003.00	Sweetwater Dam and South Dike Improvements
AE3-002.00	GIS Assessment, Plan, and Expansion Portal
SR12-001.00, SR12-002.00, ES6-001.00 and ES6-002.00	Programmatic Permitting of Property O&M Plan (NCCP/HCP)
SR6-002.00	Street Improvement – Unallocated to a Specific Project
SR6-002.00	Street Improvement - Paradise Creek Water Quality Enhancements Phase II
SR6-002.00	Street improvement - Alpine Avenue
CS6-003.00	Customer Service Information System Replacement
WQ8-003.00	Laboratory Information Management System
AE3-001.00	Authority-wide Electronic Content Management System

### **Delivery of CIP Projects**

Per the CIP Gantt Chart included in Attachment 1, staff anticipates completing CIP projects as follows. Projects for which the Gantt Chart currently indicates “HOLD” are not included in the table below:

<b>Quarter</b>	<b>No. of Projects</b>
FY24 – Q4	8
FY25 – Q1	1
FY25 – Q2	10

<b>Quarter</b>	<b>No. of Projects</b>
FY25 – Q3	3
FY25 – Q4	7
FY26 – Q2	2
FY27 – Q4	1
FY28 – Q1	1
FY28 – Q4	1

### **Previous CIP Project Reporting**

This current CIP Projects Progress Report and future quarterly progress reports in this format are intended to replace the format in which Quarterly Capital-Expense Reports are currently provided to the Board.

### **Notable CIP Project Updates Since Last Update in Second Quarter of FY 2023-24**

Since the last CIP Update in the second quarter of FY 2023-24, staff has the following major CIP updates to report:

1. Gasoline Underground Storage Tank Replacement (Project No. 20225001) – Construction work had already been completed on this project; however, staff has now received confirmation from County of San Diego that soil mitigation is not required based on laboratory test results submitted and the project is now fully completed. The project has been removed from the Gantt Chart.
2. Street Improvement Project at G Street, between Bay Boulevard and Marina Parkway (Project No. 20234012) – Construction work was completed for a water main relocation in Chula Vista. The project has been removed from the Gantt Chart.
3. Street Improvement – Bonita Road Culvert (Project No. 20234014) – Staff obtained a waiver from the Division of Drinking Water to allow a reduced separation between a water main and a proposed storm drain culvert relocation in Bonita. This saved the Authority \$54,665 in budgeted funds and this project is now considered complete. The project has been removed from the Gantt Chart.
4. Clearwell Effluent Meter Replacement at Perdue (Project No. 20224011) – The contractor has completed potholing to identify potential utility conflicts. Procurement of materials by the contractor is in progress. Replacement of the meter is scheduled for the winter of 2024, when demands on the system are expected to be the lowest throughout the year. See row 21 of Gantt Chart for project schedule.
5. Pipeline Replacement Program (Project No. 20234003) – The selected contractor has initiated construction work on one of the pipelines to be replaced,



on E 32<sup>nd</sup> Street in Lincoln Acres. See row 32 of Gantt Chart for project schedule.

6. San Miguel Road Pipeline (Project No. 20244011) – Construction on this project is ongoing and completion is expected before the end of FY 2024. See row 11 of Gantt Chart for project schedule.
7. Sweetwater Wetlands Recovery Project (Project No. 20168005) – Removal of invasive species within Sweetwater Reservoir's Habitat Management Area is ongoing and the project is anticipated to be completed by November 2024. See row 52 of Gantt Chart for project schedule.
8. Cathodic Protection of Three Storage Tanks (Project No. 20214008) – The selected contractor has procured all the necessary materials and construction work has initiated. See row 2 of Gantt Chart for project schedule.
9. Hazardous Tree Removal Defensible Space at Perdue Project (Project No. 20248005) – This project was awarded to West Coast Arborist and the project has now moved from the design/environmental/permitting phase to the construction phase. See row 56 of Gantt Chart for project schedule.
10. Sweetwater Reservoir Enhancement Project (Project No. 20224003) – This project has been repurposed in scope and is now named the Sweetwater Reservoir Capacity Restoration Project. The revised project carries some of the same goals of reservoir water quality improvement and storage capacity restoration, but eliminates the goal of materials recovery for commercial purposes and additional revenue to the Authority. Staff is working with Benchmark Resources to redefine the project description and calculate sediment volumes within the revised project boundary, so that the information can feed into a Preliminary Initial Environmental Analysis and determine if a Notice of Exemption, for compliance with the California Environmental Quality Act, would be suitable for the project. See row 182 of Gantt Chart for project schedule.
11. Aeration/Destratification System for Sweetwater Reservoir (Aeration System) (Project No. 20228002) – The schedule on this project is being updated in order to include dredge underneath the proposed system. This will support a comprehensive environmental clearance process and will avoid any post dredging re-installation costs of the Aeration System. See row 66 of Gantt Chart for project schedule.
12. National City Wells Iron and Manganese Removal System (Project No. 20218003) – One of the Authority's on-call engineering consultants is performing value engineering on this project, with the intent of redesigning the proposed system and reduce construction costs. In addition, \$959,752 in federal funds have been earmarked towards this project. Staff is working on securing an additional \$1 million in State funds to offset construction costs. The project is

listed in row 136 of Gantt Chart. A new project schedule will be developed once additional funds are secured.

13. Sweetwater Dam and South Dike Improvements (Project No. 20114012) – As part of the budgeting approval process for FY 2024-25, staff will propose to transfer funds from this project to the following projects as follows:
  - \$1.5 million to the National City Wells Iron and Manganese Removal System Project to supplement available construction funds based on higher than anticipated construction costs.
  - \$4 million to the Central-Wheeler Tank (CWT) Project (Project No. 20014016) to supplement available construction funds. The estimated construction cost for the CWT Project is outdated by several years and the project is underfunded by \$4 million based on a preliminary Opinion of Probable Construction Cost from the on-call engineering consultant completing design for the project. See row 81 of Gantt Chart for project schedule.

Staff proposes to leave a remaining balance of approximately \$1 million in the Sweetwater Dam and South Dike Improvements Project, to complete the Comprehensive Assessment of the dam and for any potential additional analyses that could be directed to be performed by the Division of Safety of Dams. See row 187 of Gantt Chart for project schedule.

14. Stairway and Valve Replacement at Loveland Dam (Project No. 20214011) – As part of the budgeting approval process for FY 2024-25, staff will propose to transfer \$1 million in funds from this project to the National City Wells Iron and Manganese Removal System Project due to the reasons mentioned above. See row 125 of Gantt Chart for project schedule.
15. Water Resources Master Plan (Project No. 20224000) – A draft plan was presented in February 2024. Staff received some comments and is making the necessary revisions in conjunction with updates necessary to reflect proposed future efforts. See row 149 of Gantt Chart for project schedule.
16. Recycled Water Analysis (Project No. 20244001) – In conjunction with Otay Water District, selected Carollo Engineers as consultant. Project may be able to receive the full \$500,000 grant that was applied for, even though the full grant amount was in jeopardy given the State's Budget deficit. Draft study is expected in 4<sup>th</sup> quarter of FY25. See row 165 of Gantt Chart for project schedule.

Additional CIP Project updates and schedules for each CIP Project can be viewed on the Authority's website at the following location:

<https://www.sweetwater.org/148/Current-Projects>

## **Programs in Support of Operational Activities**

The Authority manages several programs that support the Authority's operational activities. Some of these programs have been funded through the CIP, while others have been funded through the General Fund. These programs are:

- Pipeline Replacement and Master Plan Programs
- No-Discharge Flushing
- Valve Replacements
- Acoustic Leak Detection
- Booster Pump, Motor, and Well Replacement Program
- Engineering Design Program
- Pavement Maintenance

The No-Discharge Flushing and Acoustic Leak Detection Programs are funded through the General Fund, while the other programs above are managed through the CIP Fund.

The sections below provide information on the programs listed above that support the Authority's operations. Each section below about each program contains information about budget and expenditures.

### Pipeline Replacement Program

The Pipeline Replacement Program consists of replacing pipelines that are near the end of their service life and have a history of leaks. The Program also involves installing new pipelines to provide service redundancy and mitigate the risk of customer outages or loss of pressure due to pipeline failures or shutdowns.

Through the last update to the Water Distribution System Master Plan (WDSMP), completed in December 2021, a likelihood of failure and consequence of failure analysis was performed to develop a list that prioritizes which pipelines should be replaced first, and provided recommendations for new pipelines based on a hydraulic model analysis. The WDSMP also provided recommendations for annual investment levels, by comparing pipe break rates from Authority pipes with pipe break rates in San Diego County and with the national average break rate. In order to keep levels of service on par with San Diego County averages, the Board opted to select an investment level as shown below. The table below, copied from the WDSMP, refers to “Master Plan Pipeline Improvements” to those pipes that would be new to provide service redundancy and mitigate the risk of customer outages or loss of pressure due to pipeline failures or shutdowns.

Investment Type	FY21/22 <sup>4</sup>	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27 <sup>3</sup>	FY27/28 <sup>3</sup>	FY28/29 <sup>3</sup>	FY29/30 <sup>3</sup>	FY30/31 <sup>3</sup>	Total
Pipeline Condition Improvements <sup>1</sup>	\$1,429,000	\$2,657,000	\$3,947,000	\$4,065,000	\$4,187,000	\$4,579,000	\$4,579,000	\$4,579,000	\$4,579,000	\$4,579,000	\$39,180,000
Master Plan Pipeline Improvements <sup>1</sup>	\$2,620,000	\$936,000	\$964,000	\$993,000	\$1,023,000	\$1,119,000	\$1,119,000	\$1,119,000	\$1,119,000	\$1,119,000	\$12,131,000

For FY 2023-24, the pipelines budgeted for replacement were at the top of the remaining pipes in the priority listing, and were grouped together to closely match the investment level identified in the WDSMP, while accounting for inflation. Per the Board’s request during the FY 2023-24 budgeting process, new pipelines to address service redundancy were removed from consideration in the FY 2023-24 Budget.

In December 2023, the Board awarded a construction contract to Cass Arrieta for the Pipeline Replacement Program. Approximately 4,153 linear feet of pipeline will be installed in National City and Lincoln Acres, varying in sizes from 8- to 20-inch PVC. The contractor is in the process of securing all the necessary permits from National City and County of San Diego and field construction work is anticipated to initiate during the fourth quarter of FY 2023-24. The project remains on schedule.

As part of leaks and repairs in the distribution system as they are identified, and as part of development driven projects, approximately 1.8 miles of pipeline have been installed or replaced, in addition to pipelines that were awarded for construction to Cass Arrieta as part of the Pipeline Replacement Program.

Budget: \$3,825,800  
Expenditures: \$44,542

The budget and expenditures above are only for the Pipeline Replacement Program, and not inclusive of development driven projects or sections of water main replaced due to leak repairs.

For the next five fiscal years, based on the recommendations and pipe priority listing from the WDSMP, staff anticipates needing to install the amounts of water main pipeline listed in the table blow. However, given budget constraints established by the 2023 Rate Study and new water rates adopted, staff will propose to replace a lesser amount of pipelines for FY 2024-25.

	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
	Approximate Pipeline Amount in Linear Feet				
Pipelines to Replace	6,300	7,280	5,520	5,755	3,725
New Pipelines*	2,175	1,900	3,150	3,850	3,150

\*Referred to as "Master Plan Pipeline Improvements" in previous table copied from WDSMP.

### No-Discharge Flushing Program

Over time, natural sediments can accumulate in water mains. While these sediments are completely safe, they may affect water color, taste and odor. Water main flushing is the process of cleaning the interior of water mains and removing any accumulated sediment by sending a rapid flow of water through the mains.

Traditional flushing methods “flush out” sediments by releasing water from fire hydrants into the streets and storm drains. While the Authority still performs quarterly traditional flushing through hydrants in certain areas, the majority of the distribution system is now flushed through water-efficient technology through a method called No-Discharge Flushing, which helps to significantly reduce water waste.

A No-Discharge Flushing Pilot Program was conducted in 2021 and the Authority’s Board decided to implement it long-term by authorizing the purchase of its own equipment to conduct the program. On February 13, 2023, the Authority began the No-Discharge Flushing Program with the purchased equipment. Since that date and until March 31, 2024, the Authority has flushed 85.21 miles of water main in National City and Lincoln Acres. The Authority’s distribution contains approximately 353.2 miles of water main 12-inches or smaller. Based on the third quarter of Fiscal Year (FY) 2023-24 alone, 31 miles of pipe were flushed.

The table below shows costs incurred to date and for the third quarter of FY 2023-24:

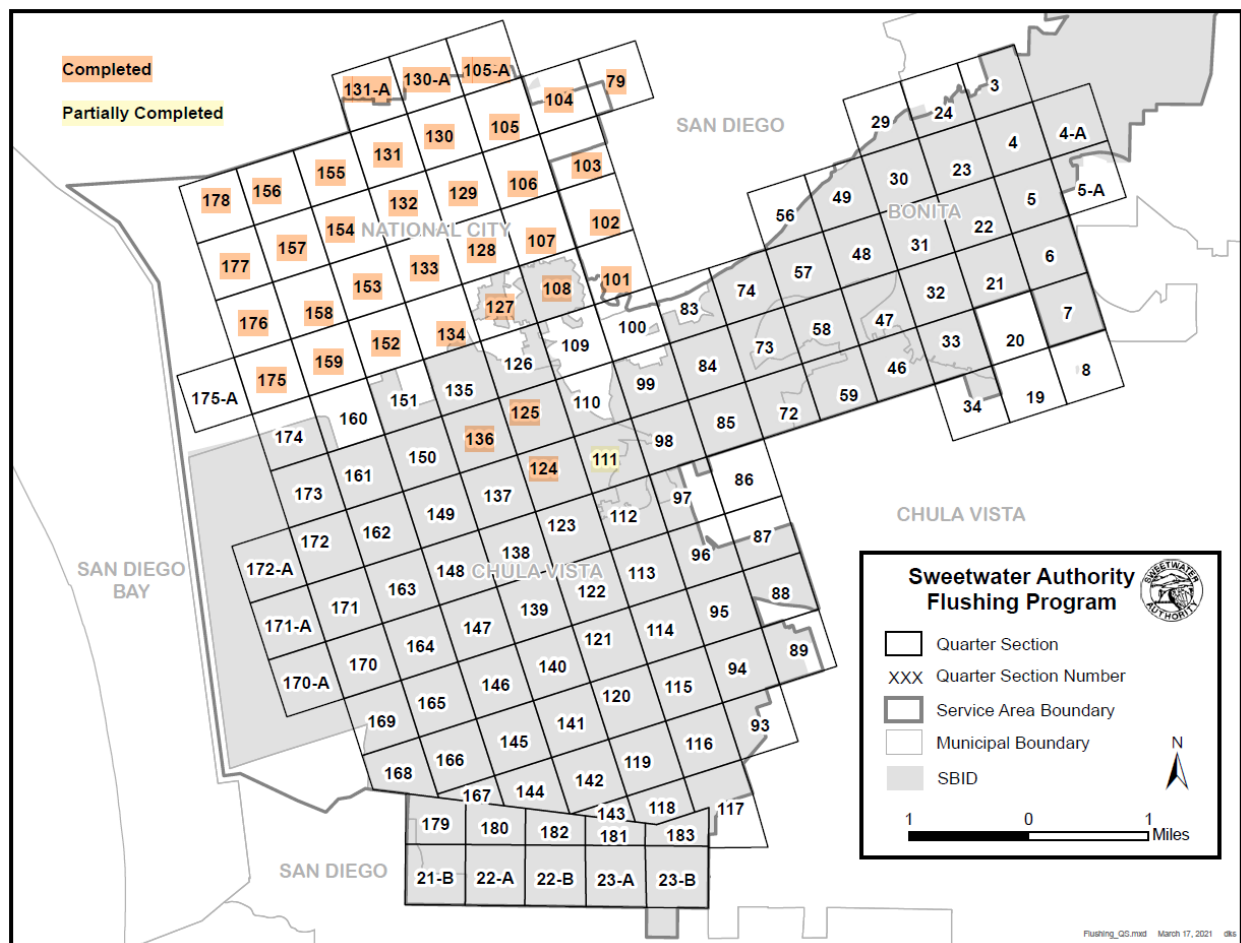
TYPE OF EXPENDITURE	EXPENDITURES TO DATE (3/31/2024)	FY 2023-24 - 3 <sup>rd</sup> QUARTER EXPENDITURES
1220 NSF61 filters	\$54,472.60	\$9,997.91
Two flushing hoses and hose ramps	\$3,669.39	\$0
Water quality turbidity meter	\$2,445.79	\$0
O-ring replacements for filter pressure vessels	\$1,983.36	\$713.28
Fuel cost to date for no discharge flushing truck	\$2,164.87	\$702.98
Blind caps for flushing hoses	\$861.30	\$0
Subtotal for flushing materials	\$65,597.31	\$11,414.17
Labor cost	\$176,375.63	\$53,927.54
TOTAL	\$241,972.94	\$65,341.71

The average cost to flush the distribution system has been \$2,839.72 per mile including labor (no fringe benefits) and materials. This cost is lower than the \$3,278 cost per mile projected in 2021, including labor (no fringe benefits) and materials.

The table below shows additional program metrics such as valves exercised and gallons of water saved:

	SINCE PROGRAM INCEPTION TO 3/31/2024	3 <sup>rd</sup> QUARTER OF FY 2023-24
Valves exercised	594	302
Water saved (gallons)	6,114,849	1,997,870
Water saved equates to water used by this many households for one complete year (assuming 299 gallons/household/day)	56	18

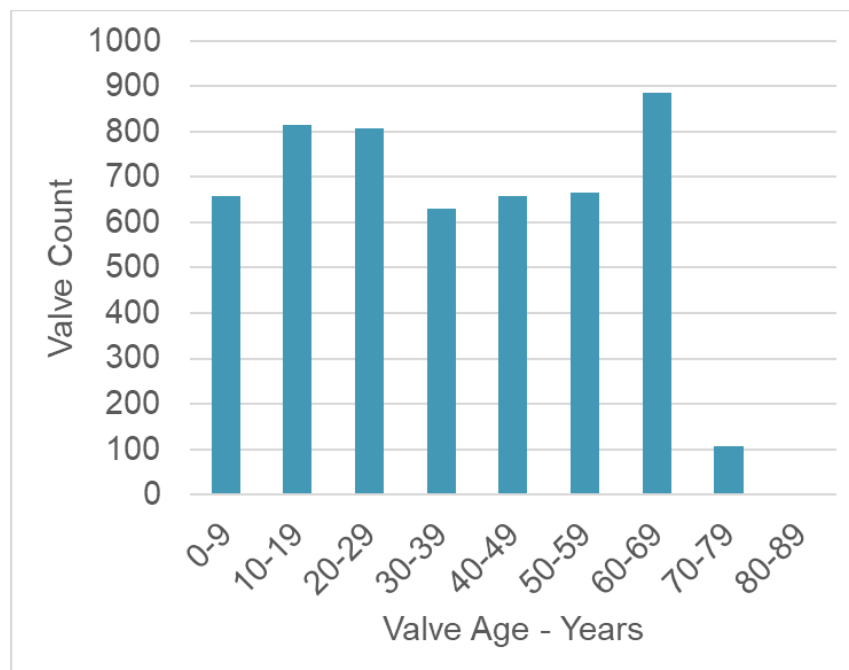
Areas flushed to date can be seen on the map below.



### Valve Replacement Program

The ability of an isolation valve to stop the flow of water in a pipe is important in limiting the impact or consequence of failure during planned and unplanned water shutdowns. For pipe of similar diameter and material, a 2007 Analysis of Total Cost of Large Diameter Pipe Failures from the Water Research Foundation, shows that the cost of pipe failure can vary by more than three orders of magnitude and is most influenced by the time required to find and close functional valves.

The Authority's Water Distribution System Master Plan (WDSMP), updated every 5 years and last updated in 2021, provides recommendations for valve replacements and new valves to maintain levels of service. Per the WDSMP, the Authority manages approximately 6,000 distribution system isolation valves. The table below provides number of valves per age.



Based on the recommendations of the WDSMP, the FY 2023-24 Budget includes funds of \$450,000 to replace 40 non-functioning valves and install 5 new valves to improve system reliability. Several of the Authority's older valves, typically 50 years and older, need replacement. Authority staff keeps a list of valves needing replacement and they are prioritized for replacement based on levels of impacts caused by not replacing them and based on available funding. As of March 31, 2023, staff has replaced 36 out of 40 non-functioning valves that were budgeted and has installed 3 out of 5 new valves that were budgeted. Staff is on track to replace and install all new valves that were targeted and budgeted for FY 2023-24.

Budget: \$450,000

Expenditures: \$396,845



### Acoustic Leak Detection Program

In FY 2023-24, the Authority initiated an Acoustic Leak Detection Program to verify if leaks are present in water mains, based on data previously obtained through other efforts and based on recommendations from the latest update to the WDSMP. The Acoustic Leak Detection Program was conducted between November and December 2023 on approximately 105 miles of water main pipelines in the Authority's service area. Acoustic leak detection was conducted by Consulting Engineers, Inc. (CEI) and their efforts found a total of fifty-three (53) leaks broken down as follows:

- Twenty (20) leaks on the consumer side: All customers were notified by staff about leaks identified within their property.
- Four (4) hydrant leaks: All repairs have been performed by staff.
- One (1) water main leak: Repaired by staff on January 10, 2024.
- Seven (7) service leaks: Three (3) have been repaired by staff and four (4) are scheduled to be repaired the week of January 15, 2024.
- Two (2) leaks on blow off valves: One (1) has been repaired by staff and the other one (1) is scheduled to be repaired the week of January 22, 2024.
- Nineteen (19) leaks on curb stop valves: Sixteen (16) have been repaired by staff and three (3) are scheduled for repair the week of January 15, 2024.

In the case of the water main leak identified and two service leaks identified, CEI was able to identify their locations with exact precision. Water had not surfaced to the street and the identification of these leaks with exact precision saved time and resources by being able to dig a minimal hole and not having the need to chase the locations of the leaks across the streets. This allowed for quicker repairs and less disruption to customers.

In addition to leaks identified through the Acoustic Leak Detection Program, staff has repaired 8 water main leaks and 126 service leaks from July 1 to December 31, 2023.

Budget: \$154,500 (consulting budget Acoustic Leak Detection Program)

Expenditures: \$154,500 (consulting expenditures for Acoustic Leak Detection Program)

### Booster Pump, Motor, and Well Replacement Program

Pumps and motors on booster pump and wells can fail without prior warning of any issues. Therefore, the Authority allocated \$80,000 in the FY 2023-24 Budget for reactionary work on any needed repairs. This Program also serves to allocate funding for any planned work, such as a pump or motor losing efficiency and reaching the end of their service life. Operating inefficient pumps can lead to equipment failure. For FY 2023-24, planned work was not identified and no reactionary work has been needed, therefore the budget remains unexpended.

Unused funds in the Booster Pump, Motor, and Well Replacement Program do not carry over to the next fiscal year like with other CIP Projects. Any unused funds at the end of the fiscal year are returned to the CIP Fund and staff would need to request the funds again for the next fiscal year.

Budget: \$80,000

Expenditures: \$0

### Engineering Design Program

The FY 2023-24 Budget allocated a budget of \$160,000 to the Engineering Design Program for in-house design projects, such as the Pipeline Replacement Program. Moving forward on future fiscal year budget requests, funding for in-house design will be requested through specific CIP Projects rather than as a separate program, to be more transparent on accounting for all project expenditures. However, this Program would still be needed and its description can be repurposed to cover other needs such as but not limited to grant writing support from consultants.

Unused funds in the Engineering Design Program do not carry over to the next fiscal year like with other CIP Projects. Any unused funds at the end of the fiscal year are returned to the CIP Fund and staff would need to request the funds again for the next fiscal year.

Budget: \$160,000

Expenditures: \$36,222

### Pavement Maintenance Program

The Authority owns and operates multiple facilities that require regular slurry sealing and pavement structural repairs to maintain a serviceable condition and to help extend the life of the asphalt. Periodic maintenance of the existing pavement prevents water from seeping into the cracks in the asphalt causing premature base and asphalt failure. The FY 2023-24 Budget included \$85,000 for pavement maintenance. Some of this

work can be planned work while some work can be reactionary work to pavement issues that may arise. For this FY, there wasn't any planned work identified but funding was allocated nonetheless in case of unforeseen pavement issues would arise during the FY. As of the writing of this report, no pavement maintenance needs have been identified since the FY 2023-24 Budget was adopted, therefore the allocated budget remains unexpended.

Unused funds in the Pavement Maintenance Program do not carry over to the next fiscal year like with other CIP Projects. Any unused funds at the end of the fiscal year are returned to the CIP Fund and staff would need to request the funds again for the next fiscal year.

Budget: \$85,000

Expenditures: \$0

## **Local Business Outreach**

The Authority performs several outreach efforts to engage local businesses in conducting businesses with the Authority, and then tracks local business engagement and reports it to the Board on a quarterly basis.

For this FY, the Authority has performed the following outreach to engage local businesses:

- Staff maintains a vendor database that local vendors are encouraged to sign up for. Staff reviews the vendor database prior to procurements, to see if any vendors on the database should be included in outreach efforts for the procurement process based on the type of procurement.
- Staff has included the following statements on all Requests for Qualifications, Requests for Quotes, and Requests for Proposals: "Sweetwater Authority encourages participation from small, local and/or disadvantaged businesses." Businesses submitting statements of qualifications, quotes, and proposals list their office(s) locations and oftentimes highlight their involvement of subconsultants located in San Diego County and/or the Authority's service area and any certifications from their firm or subconsultants for small business enterprise, disadvantaged business enterprise, or women owned business.

From July 2023 through March 2024, the Authority has conducted business with the following local businesses to the Authority's service area:

- Specialty Seals & Accessories
- Fastsigns
- California Auto Body & Frame
- We Got Ya Pest Control, Inc.
- South Bay Fence, Inc.
- California Smog Test only
- Stark Awning & Canvas
- Westflex, Inc.
- Bear Garden Investments, LLC
- Acme Safety & Supply Corporation
- Vista Palms Car Wash, Inc.
- Copy Link, Inc.
- Sir Speedy Printing 02890
- F.J. Willert Contracting Co., Inc.
- BPI Plumbing
- Ortiz Corporation
- Wepa Commercial Cleaning
- CET Electric
- DC&M Inc.

- Energy Communications Corporation

One of the methods used by the Engineering and Operations Department to procure consulting and contractor services is through BidNet Direct. This online platform offers private businesses a centralized location to gain access to bid opportunities from public agencies. Through BidNet Direct, the Authority has the ability to perform audits on procurement efforts. For FY 2023-24, the Authority advertised several projects for construction, and Requests for Proposals and Qualifications through BidNet Direct and other methods. Audit reports from BidNet Direct show the following views and/or engagement from local businesses to the Authority's service area:

<b>Local Business</b>	<b>Location</b>
Bonita Pipeline, Inc.	Chula Vista
California Electric Supply	Chula Vista
RGC General Engineering, Inc.	Chula Vista
Ring Central	Chula Vista
Equipment Share	Chula Vista
Metis Builders, Inc.	Chula Vista
TB High Performance Construction, Inc.	Chula Vista
Wepa Commercial Cleaning	Chula Vista
Performance Coupling	National City
Amerivet Contracting	National City

## **CIP Process Improvements**

This CIP Projects Quarterly Progress Report and future reports in this format are intended to provide more information than previous reporting efforts on the status of CIP Projects. Staff will continue to make reporting improvements in an effort to provide more information. Current CIP Process Improvements being undertaken by staff are:

- Updated project estimates to account for inflation and account for more realistic timelines on projects.
- Well defined project scope to avoid scope creep.
- Deliberate coordination with municipalities and County on pipeline projects to avoid issues with pavement moratoriums.
- Explore grants to offset project costs.
- Change requirements from physical bid submittals on projects advertised for construction to give contractors flexibility on whether they want to submit a physical bid submittal or a digital bid submittal through BidNet Direct. This change would encourage more contractor participation by making it easier for them to submit bids.
- Engage the local Chambers of Commerce to help promote awareness of Authority's CIP Projects that would be advertised soon for construction.
- Continue to leverage the Authority's GIS Platform to provide more information on the CIP Dashboard across all funded CIP Projects.

## **Attachment**

1. CIP Project Schedules – Gantt Chart



# Sweetwater Authority Capital Project Schedule

Fiscal Year 2023-24  
3rd Quarter

ID	Task Name	Start	Finish	CEQA (Estimated)	Permits	Budget (3/31/24)	Expended (3/31/24)	3																																				
								'24				2024				'25				2025				'26				2026				'27				2028				'29				
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1											
0	CAPITAL PROJECT SCHEDULE		Mon 7/3/23	Fri 6/30/28																																								
1	CONSTRUCTION/IMPLEMENTATION PHASE																																											
2	20214008 Cathodic Protection at Three Steel Storage Tanks		Mon 7/31/23	Fri 12/20/24	NOE	N/A	\$450,000	\$3,518																																				
3	Design and Bidding		Mon 7/31/23	Mon 12/18/23																																								
4	Scope/Design		Mon 7/31/23	Thu 9/28/23																																								
5	Advertisement		Fri 9/29/23	Thu 10/26/23																																								
6	Bid Review		Fri 10/27/23	Thu 11/16/23																																								
7	Award Board		Mon 12/18/23	Mon 12/18/23																																								
8	Construction		Fri 4/12/24	Fri 12/20/24																																								
9	Construction		Fri 4/12/24	Thu 12/19/24																																								
10	Complete		Fri 12/20/24	Fri 12/20/24																																								
11	20244011 San Miguel Road Pipeline to Central Wheeler Tank		Mon 8/14/23	Tue 4/30/24	MND 2021	R/W	\$865,000	\$215,875																																				
12	Design and Award		Mon 8/14/23	Mon 12/18/23																																								
13	100% Design		Mon 8/14/23	Mon 10/9/23																																								
14	Advertisement		Tue 10/10/23	Fri 11/10/23																																								
15	Bid Review		Mon 11/13/23	Fri 12/1/23																																								
16	Award Board		Mon 12/18/23	Mon 12/18/23																																								
17	Construction		Mon 12/18/23	Tue 4/30/24																																								
18	Execute Contract		Mon 12/18/23	Fri 1/5/24																																								
19	Construction		Mon 1/8/24	Mon 4/29/24																																								
20	Complete		Tue 4/30/24	Tue 4/30/24																																								
21	20224011 Clearwell Effluent Meter Replacement		Mon 7/3/23	Tue 12/31/24	NOE	N/A	\$1,201,310	\$268,571																																				
22	Design and Bidding		Mon 7/3/23	Mon 12/18/23																																								
23	90% Design		Mon 7/3/23	Fri 8/25/23																																								
24	100% Design		Mon 8/28/23	Wed 10/11/23																																								
25	Advertisement		Thu 10/12/23	Wed 11/15/23																																								
26	Bid Review		Thu 11/16/23	Fri 12/1/23																																								
27	Award Board		Mon 12/18/23	Mon 12/18/23																																								
28	Construction		Thu 1/11/24	Tue 12/31/24																																								
29	Execute Contract		Thu 1/11/24	Wed 1/31/24																																								
30	Construction		Mon 2/5/24	Tue 12/31/24																																								
31	Complete		Tue 12/31/24	Tue 12/31/24																																								
32	20234003 FY2022-23 Pipeline Replacement Projects		Mon 8/28/23	Fri 11/1/24	NOE	R/W	\$3,825,800	\$44,542																																				

Project: CAPITAL PROJECT SCH  
Date: Wed 4/24/24

Task		Project Summary		Manual Task		Start-only		Completion	
Split		Inactive Task		Duration-only		Finish-only		Contract Award	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Plan Update	
Summary		Inactive Summary		Manual Summary		External Milestone		Plan Acceptance	



# Sweetwater Authority Capital Project Schedule

Fiscal Year 2023-24  
3rd Quarter

ID	Task Name	Start	Finish	CEQA (Estimated)	Permits	Budget (3/31/24)	Expended (3/31/24)																												
33	20234003 Salot St, Tolas Ct to E. 8th St, NC	Mon 8/28/23	Wed 10/18/23																																
34	Design	Mon 8/28/23	Wed 10/18/23																																
35	20234004 E. 16th St, Euclid Av to Pump Station No. 39, NC	Mon 8/28/23	Wed 10/18/23																																
36	Design	Mon 8/28/23	Wed 10/18/23																																
37	20234005 La Vista Cemetery, Euclid Av to E. 32nd St, NC	Mon 8/28/23	Wed 10/18/23																																
38	Design	Mon 8/28/23	Wed 10/18/23																																
39	20234006 E. 32nd St, between Olive St and Orange St, NC	Mon 8/28/23	Wed 10/18/23																																
40	Design	Mon 8/28/23	Wed 10/18/23																																
41	20234007 Olive St, E. 32nd St to Sweetwater Rd, NC	Mon 8/28/23	Wed 10/18/23																																
42	Design	Mon 8/28/23	Wed 10/18/23																																
43	Award and Construction	Thu 10/19/23	Fri 11/1/24																																
44	Advertise	Thu 10/19/23	Thu 11/16/23																																
45	Bid Review	Fri 11/17/23	Fri 12/1/23																																
46	Award Board	Mon 12/18/23	Mon 12/18/23																																
47	Execute Contract	Mon 12/18/23	Fri 1/5/24																																
48	Construction	Mon 1/15/24	Fri 11/1/24																																
49	Complete	Fri 11/1/24	Fri 11/1/24																																
50	20204009 Naples Street Large Meter Improvements	Fri 2/2/24	Fri 6/28/24	N/A	N/A	\$85,000	\$0																												
51	Scope and Implement Improvement	Fri 2/2/24	Fri 6/28/24																																
52	20168005,6,7; 20178007, 20208003, 20228007,8,9; 20248009,10 Sweetwater Wetlands Habitat Recovery Project	Fri 9/1/23	Fri 11/15/24	MND 2014 Add. 2020	401, 404, LSA	\$2,067,800+	\$327,962																												
53	Implementation Contracting	Fri 9/1/23	Sun 12/31/23																																
54	Invasive Plant Removal and Planting	Fri 9/1/23	Fri 11/15/24																																
55	Habitat Establishment and Monitoring	Fri 9/1/23	Fri 11/15/24																																
56	20248005 Hazardous Tree Removal Defensible Space at Perdue	Mon 8/14/23	Thu 10/31/24	NOE 2023	N/A	\$150,000	\$3,981																												
57	Environmental Clearance/Permits	Mon 8/14/23	Fri 10/20/23																																
58	Coordinate Permitting	Mon 8/14/23	Fri 10/20/23																																
59	Bidding	Mon 10/23/23	Wed 1/31/24																																
60	Procure Arborist	Mon 10/23/23	Wed 1/31/24																																
61	Implementation	Mon 9/2/24	Thu 10/31/24																																
62	Implement	Mon 9/2/24	Thu 10/31/24																																
63	DESIGN/ENVIRONMENTAL/PERMITTING PHASE																																		
64	20241005 Customer Water Bill Payment Kiosk	Mon 7/3/23	Fri 6/28/24	N/A	N/A	\$65,000	\$54,600																												

Project: CAPITAL PROJECT SCH  
Date: Wed 4/24/24

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Completion

Contract Award

Plan Update

Plan Acceptance





Sweetwater Authority Capital Project Schedule

Fiscal Year 2023-24  
3rd Quarter

ID	Task Name	Start	Finish	CEQA (Estimated)	Permits	Budget (3/31/24)	Expended (3/31/24)	3																																			
								'24				2024				'25				2025				'26				2026				'27				2027				'28			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1						
65	Implementation	Mon 7/3/23	Fri 6/28/24																																								
66	20228002 Aeration/Destratification System for Sweetwater Reservoir	Mon 7/3/23	Tue 8/10/27	(EIR 2006 Ad	401, 404, LSA	\$2,532,000	\$321,178																																				
67	Environmental Clearance/Permits	Mon 7/3/23	Thu 11/19/26																																								
68	Prep Environmental Document	Mon 7/3/23	Thu 7/31/25																																								
69	Regulatory Permits	Fri 8/1/25	Thu 11/19/26																																								
70	Certify Environmental Document	Mon 2/9/26	Mon 2/9/26																																								
71	Design and Bidding	Mon 7/3/23	Tue 2/2/27																																								
72	90% Design	Mon 7/3/23	Fri 8/25/23																																								
73	100% Design	Mon 8/28/23	Fri 9/29/23																																								
74	Advertisement	Wed 12/9/26	Tue 1/5/27																																								
75	Bid Review	Wed 1/6/27	Tue 2/2/27																																								
76	Award Board	Tue 2/2/27	Tue 2/2/27																																								
77	Construction	Wed 2/3/27	Tue 8/10/27																																								
78	Execute Contract	Wed 2/3/27	Tue 2/23/27																																								
79	Construction	Wed 2/24/27	Tue 8/10/27																																								
80	Complete	Tue 8/10/27	Tue 8/10/27																																								
81	20014016 New Central Wheeler Tank	Mon 7/3/23	Tue 3/18/25	MND 2021	DDW	\$2,416,000*	\$589,861																																				
82	Design and Award	Mon 7/3/23	Wed 9/11/24																																								
83	60% Design	Mon 7/3/23	Wed 11/22/23																																								
84	90% Design	Wed 11/29/23	Tue 3/26/24																																								
85	100% Design	Wed 3/27/24	Tue 6/18/24																																								
86	Advertisement	Wed 6/26/24	Wed 7/31/24																																								
87	Bid Review	Thu 8/1/24	Fri 8/16/24																																								
88	Award Board	Wed 9/11/24	Wed 9/11/24																																								
89	Construction	Wed 9/11/24	Tue 3/18/25																																								
90	Execute Contract	Wed 9/11/24	Tue 10/1/24																																								
91	Construction	Wed 10/2/24	Tue 3/18/25																																								
92	Complete	Tue 3/18/25	Tue 3/18/25																																								
93	Tank Rehabilitation Program FY23-24	Mon 12/11/23	Mon 3/31/25	(NOE)	N/A	\$703,000*	\$525																																				
94	20244007 Claire Vista 'B' Tank Rehabilitation	Mon 12/11/23	Fri 7/5/24				*																																				
95	Scope/Design	Mon 12/11/23	Fri 7/5/24																																								
96	20244008 Halecrest Tank Rehabilitation	Mon 12/11/23	Fri 7/5/24				*																																				
97	Scope/Design	Mon 12/11/23	Fri 7/5/24																																								

Project: CAPITAL PROJECT SCH  
Date: Wed 4/24/24

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Completion

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Plan Acceptance



# Sweetwater Authority Capital Project Schedule

Fiscal Year 2023-24  
3rd Quarter

ID	Task Name	Start	Finish	CEQA (Estimated)	Permits	Budget (3/31/24)	Expended (3/31/24)																												
								3	2024				2025				2026				2027				2028										
								'24	Q1	Q2	Q3	Q4	'25	Q1	Q2	Q3	Q4	'26	Q1	Q2	Q3	Q4	'27	Q1	Q2	Q3	Q4	'28	Q1	Q2	Q3	Q4	'29		
98	20244009 Desal Contact Tank Rehabilitation	Mon 12/11/23	Fri 7/5/24																																
99	Scope/Design	Mon 12/11/23	Fri 7/5/24																																
100	20224010 Cherry Hills Tanks Lining Replacement & Bonita Valley Reservoir	Mon 12/11/23	Fri 7/5/24																																
101	Scope/Design	Mon 12/11/23	Fri 7/5/24																																
102	Award and Construction	Mon 7/8/24	Mon 3/31/25																																
103	Advertisement	Mon 7/8/24	Fri 7/26/24																																
104	Award Board	Wed 8/7/24	Wed 8/7/24																																
105	Construction	Mon 9/2/24	Fri 3/28/25																																
106	Complete	Mon 3/31/25	Mon 3/31/25																																
107	20248008 SDF Well Pump Control Valve Modification	Mon 1/1/24	Sun 6/30/24	N/A	N/A	\$52,600	\$0																												
108	Implementation	Mon 1/1/24	Sun 6/30/24																																
109	20248001 Laboratory Instrument Replacement	Mon 12/4/23	Mon 6/30/25	N/A	N/A	\$275,000	\$0																												
110	Implementation	Mon 12/4/23	Mon 6/30/25																																
111	20248004 Raw Water Pump Variable Frequency Drive	Mon 12/4/23	Mon 6/30/25	N/A	N/A	\$138,000	\$3,885																												
112	Implementation	Mon 12/4/23	Mon 6/30/25																																
113	20224004 Fire Tank Replacement at Loveland Reservoir	Mon 9/4/23	Tue 12/31/24	(NOE)	N/A	\$105,000	\$0																												
114	Design and Bidding	Mon 9/4/23	Fri 8/23/24																																
115	Scoping	Mon 9/4/23	Fri 1/12/24																																
116	Design	Mon 1/15/24	Fri 8/23/24																																
117	Construction	Wed 8/28/24	Tue 12/31/24																																
118	Construction	Wed 8/28/24	Tue 12/31/24																																
119	20194018 Bonita Valley Reservoir Control Building Roof Replacement	Mon 7/3/23	Tue 12/31/24	N/A (EIR 1982 usable)	N/A	\$150,000	\$300																												
120	Bid and Implement	Mon 7/3/23	Tue 12/31/24																																
121	20244004 H St, Claire Av to 750 LF East, CV	Tue 9/24/24	Mon 6/30/25	(NOE)	R/W	\$662,100	\$0																												
122	Project Implementation (Holding for Moratorium)	Tue 9/24/24	Mon 6/30/25																																
123	20194007 Loveland Residence Roof Replacement & Photovoltaic Installation	Mon 4/1/24	Wed 12/31/25	(NOE)	N/A	\$110,000	\$392																												
124	Scope and Implement Improvement	Mon 4/1/24	Wed 12/31/25																																
125	20214011 Stairway and Valve Replacement at Loveland Dam	Mon 8/14/23	Fri 12/26/25	(MND)	401, 404, LSA	\$3,185,000	\$183,041																												
126	Design and Bidding	Mon 8/14/23	Tue 6/24/25																																
127	Design	Mon 8/14/23	Fri 12/29/23																																

Project: CAPITAL PROJECT SCH  
Date: Wed 4/24/24

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Completion

Contract Award

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Plan Acceptance



# Sweetwater Authority Capital Project Schedule

Fiscal Year 2023-24  
3rd Quarter

ID	Task Name	Start	Finish	CEQA (Estimated)	Permits	Budget (3/31/24)	Expended (3/31/24)	3	2024				2025				2026				2027				2028				'29 Q1
									'24 Q4	'24 Q1	'24 Q2	'24 Q3	'25 Q4	'25 Q1	'25 Q2	'25 Q3	'25 Q4	'26 Q1	'26 Q2	'26 Q3	'26 Q4	'27 Q1	'27 Q2	'27 Q3	'27 Q4	'28 Q1	'28 Q2	'28 Q3	
128	Permitting/Environmental	Wed 11/1/23	Tue 3/19/24																										
129	DSOD Review	Wed 3/20/24	Tue 8/6/24																										
130	Component Procurement	Wed 5/1/24	Tue 6/24/25																										
131	Advertise and Award	Wed 8/7/24	Tue 10/29/24																										
132	Award	Tue 10/29/24	Tue 10/29/24																										
133	Construction	Mon 11/4/24	Fri 12/26/25																										
134	Construction	Mon 11/4/24	Fri 12/26/25																										
135	Complete	Wed 12/24/25	Wed 12/24/25																										
136	20218003 National City Wells Iron & Manganese Removal System (HOLD - PENDING FUNDING)			(NOE)	DDW	\$5,610,800*	\$684,092																						
146	20241003 Automatic Metering Infrastructure - Implementation (HOLD - PENDING FUNDING)			N/A	N/A	\$0	\$0																						
148	PLAN/STUDY PHASE																												
149	20224000 Water Resources Master Plan	Mon 7/3/23	Mon 9/30/24	N/A	N/A	\$250,000	\$244,967																						
150	Draft Plan	Mon 7/3/23	Wed 1/24/24																										
151	Draft Plan	Mon 7/3/23	Fri 10/27/23																										
152	Update Tasks 2-5 Board	Wed 9/13/23	Wed 9/13/23																										
153	Board Workshop	Tue 10/24/23	Tue 10/24/23																										
154	Update Draft Plan Board	Wed 1/24/24	Wed 1/24/24																										
155	Final Plan	Wed 1/24/24	Mon 9/30/24																										
156	Revise Draft	Wed 1/24/24	Thu 9/26/24																										
157	Present Final Plan Board	Mon 9/30/24	Mon 9/30/24																										
158	20234001 New SDF Well National City	Mon 7/3/23	Thu 10/31/24	(NOE)	DDW, R/W	\$600,000	\$34,290																						
159	Siting Study Memo	Mon 7/3/23	Fri 9/29/23																										
160	Negotiate Right of Entry with Test Boring Owner	Mon 7/24/23	Fri 1/19/24																										
161	Present Amendment to Board	Wed 2/14/24	Wed 2/14/24																										
162	Conduct Exploratory Boring	Thu 6/6/24	Wed 7/31/24																										
163	Comprehensive Report Prep	Thu 8/1/24	Wed 9/25/24																										
164	Easement Negotiation with Owner	Mon 7/1/24	Thu 10/31/24																										
165	20244001 Recycled Water Analysis	Wed 8/9/23	Fri 4/4/25	N/A	N/A	\$150,000	\$0																						
166	MOU and RFP	Wed 8/9/23	Wed 2/14/24																										
167	MOU Approval Board	Wed 8/9/23	Wed 8/9/23																										
168	Consultant Selection	Thu 8/31/23	Wed 1/17/24																										

Project: CAPITAL PROJECT SCH  
Date: Wed 4/24/24

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Completion

Contract Award

Plan Update

Plan Acceptance



Sweetwater Authority Capital Project Schedule

Fiscal Year 2023-24  
3rd Quarter

ID	Task Name	Start	Finish	CEQA (Estimated)	Permits	Budget (3/31/24)	Expended (3/31/24)	3																											
								2024				2025				2026				2027				2028				2029							
								Q4	'24	Q1	Q2	Q3	Q4	'25	Q1	Q2	Q3	Q4	'26	Q1	Q2	Q3	Q4	'27	Q1	Q2	Q3	Q4	'28	Q1	Q2	Q3	Q4	'29	
169	Award Board	Wed 2/14/24	Wed 2/14/24																																
170	Draft Study	Thu 2/15/24	Fri 4/4/25																																
171	Draft Study	Thu 2/15/24	Fri 4/4/25																																
172	20241003 Automatic Metering Infrastructure - Feasibility Study	Mon 7/3/23	Sun 6/30/24	N/A	N/A	\$125,000	\$110,992																												
173	Implementation	Mon 7/3/23	Sun 6/30/24																																
174	20236002 Board Room Technology Upgrade	Mon 7/3/23	Sun 6/30/24	N/A	N/A	\$150,000	\$450																												
175	Implementation	Mon 7/3/23	Sun 6/30/24																																
176	20248002 Lead and Copper Service Line Inventory	Mon 11/6/23	Wed 10/16/24	NOE 2022	R/W	\$645,000	\$0																												
177	Implementation	Mon 11/6/23	Wed 10/16/24																																
178	20244002 Loveland Recreation Program Repairs Plan	Mon 10/2/23	Mon 6/30/25	MND (Add.)	TBD	\$50,000	\$0																												
179	Scope Definition	Mon 10/2/23	Wed 4/10/24																																
180	Agreement with Department of Water Resources	Thu 4/11/24	Wed 5/22/24																																
181	Design, Permitting, Construction	Thu 5/23/24	Mon 6/30/25																																
182	20224003 Sweetwater Reservoir Capacity Restoration Project	Thu 3/28/24	Wed 6/30/27	N/A	N/A	\$660,000	\$243,073																												
183	Environmental Study and Permitting	Thu 3/28/24	Wed 6/30/27																																
184	Construction (No Construction Funding)																																		
185	20241002 Facilities Master Plan	Wed 11/1/23	Tue 11/5/24	N/A	N/A	\$350,000	\$167,000																												
186	Draft Plan	Wed 11/1/23	Tue 11/5/24																																
187	20114012 Sweetwater Dam and South Dike Improvements	Mon 7/3/23	Fri 10/25/24	MND 2018	401, 404, LSA	\$8,275,000	\$1,725,718																												
188	Comprehensive Assessment	Mon 7/3/23	Fri 10/25/24																																
189	Design (Pending Further Direction from DSOD)																																		
190	Advertisement																																		
191	Construction																																		
192	20226000 GIS Assessment, Plan, and Expansion of Portal	Mon 7/3/23	Sun 6/30/24	N/A	N/A	\$130,000	\$110,400																												
193	Implementation	Mon 7/3/23	Sun 6/30/24																																
194	20214019 Programmatic Permitting of Property O&M Plan (NCCP/HCP)	Mon 7/3/23	Fri 6/30/28	(EIR)	NCCP/HCP, 401, 404	\$812,600	\$265,649																												
195	Draft NCCP/HCP	Mon 7/3/23	Fri 2/20/26																																
196	Final NCCP/HCP	Mon 2/23/26	Fri 6/30/28																																
197	Environmental Clearance/Permits	Mon 3/3/25	Fri 6/30/28																																
198	Draft Wetlands/Waters Programmatic Permits	Mon 5/31/27	Fri 12/31/27																																
199	Final Wetlands/Waters Programmatic Permits	Mon 1/3/28	Fri 6/30/28																																
200	Draft CEQA Studies and EIR	Mon 3/3/25	Fri 5/29/26																																

Project: CAPITAL PROJECT SCH  
Date: Wed 4/24/24

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Completion

Contract Award

Plan Update

Plan Acceptance



Sweetwater Authority Capital Project Schedule

Fiscal Year 2023-24  
3rd Quarter

ID	Task Name	Start	Finish	CEQA (Estimated)	Permits	Budget (3/31/24)	Expended (3/31/24)	3																											
								2024				2025				2026				2027				2028											
								'24 Q4	'24 Q1	'24 Q2	'24 Q3	'25 Q4	'25 Q1	'25 Q2	'25 Q3	'25 Q4	'26 Q1	'26 Q2	'26 Q3	'26 Q4	'27 Q1	'27 Q2	'27 Q3	'27 Q4	'28 Q1	'28 Q2	'28 Q3	'28 Q4	'29 Q1						
201	Finalize EIR	Mon 6/1/26	Fri 12/31/27																																
202	20211002 Aesthetic Enhancements to Various Well Facilities (HOLD)			(NOE)	N/A	\$125,000	\$58,696																												
204	20224001 City of San Diego 2nd Pipeline Interconnection Replacement (HOLD)			City of SD is Lead Agency	N/A	\$275,000	\$0																												
206	20248003 Sodium Hypochlorite Chlorination System at Perdue (HOLD - PENDING FUNDING)			N/A	N/A	\$0	\$0																												
208	STREET IMPROVEMENTS																																		
209	20244006 Street Improvements			N/A	N/A	\$17,965	\$0																												
210	Unallocated to Specific Project																																		
211	20214018 Paradise Creek Water Quality Enhancements Phase II	Mon 3/18/24	Fri 6/14/24	N/A	N/A	\$222,470	\$1,578																												
212	Implementation	Mon 3/18/24	Fri 6/14/24																																
213	20234013 Alpine Avenue	Mon 2/5/24	Wed 4/23/25	N/A	N/A	\$43,600	\$90																												
214	Design	Mon 2/5/24	Fri 9/27/24																																
215	Implementation	Mon 9/30/24	Wed 4/23/25																																
216	SOFTWARE																																		
217	20238001 Laboratory Information Management System	Mon 7/3/23	Sat 2/1/25	N/A	N/A	\$90,000	\$47,966																												
218	Implementation	Mon 7/3/23	Sat 2/1/25																																
219	20226001 Authority-wide Electronic Content Management System	Mon 7/3/23	Mon 6/30/25	N/A	N/A	\$50,000	\$37,113																												
220	Implementation	Mon 7/3/23	Mon 6/30/25																																
221	20241006 Customer Service Information System Replacement (HOLD)			N/A	N/A	\$200,000	\$0																												
223	GRANTS					\$3,776,325																													
224	Granting Agency - Grant Name					Amount Reimbursed																													
225	Project					Local Match																													
226	DWR - State Revolving Fund, Prop 84					\$1,500,000	\$333,959																												
227	Sweetwater Wetlands Habitat Recovery Project					25%																													
228	Well Siting Study					25%																													
229	CDFW - Grant Q2250403					\$275,000	\$38,938																												
230	NCCP/HCP Preparation					25%																													
231	State - Legislative Grant - SB 104 (Budget Acts of 2022 and 2023)					\$750,000	\$0																												
232	Loveland Recreation Enhancements					0%																													
233	Federal - Legislative Grant - HR 4366 (Further Consolidated Appropriations Act, 2024)					\$959,752	\$0																												
234	National City Wells Iron and Manganese Removal System					0%																													

Project: CAPITAL PROJECT SCH  
Date: Wed 4/24/24

Task

Split

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Summary

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Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

◆

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Completion

Contract Award

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Sweetwater Authority Capital Project Schedule

Fiscal Year 2023-24  
3rd Quarter

ID	Task Name	Start	Finish	CEQA (Estimated)	Permits	Budget (3/31/24)	Expended (3/31/24)																												
								3					2024				2025				2026				2027				2028						
									'24 Q4	'24 Q1	'24 Q2	'24 Q3	'25 Q4	'25 Q1	'25 Q2	'25 Q3	'25 Q4	'26 Q1	'26 Q2	'26 Q3	'26 Q4	'27 Q1	'27 Q2	'27 Q3	'27 Q4	'28 Q1	'28 Q2	'28 Q3	'28 Q4	'29 Q1					
235	JPIA Risk Control Grant Program					\$9,000	\$0																												
236	SDF Well Pump Control Davit Arms					0%																													
237	(PENDING) CEC - Energy Infrastructure Incentives for Zero-Emission (EnerglIZE)					\$78,825																													
238	Electric Vehicle Charging Stations					25%																													
239	(PENDING) SWRCB - Water Recycling Funding Program					\$150,000																													
240	Recycled Water Market Study with OWD					50%																													
241	(PENDING) FEMA - Rehabilitation of High Hazard Potential Dams					\$162,500																													
242	Sweetwater Dam Comprehensive Assessment					25%																													
243	(PENDING) SWRCB - Lead and Copper Rule Revisions Program					\$860,000																													
244	Lead and Copper Service Inventory					25%																													

Acronyms & Abbreviations

- 401 – Clean Water Act Section 401 Permit
- 404 – Clean Water Act Section 404 Permit
- CEQA – California Environmental Quality Act
- DDW – California Division of Drinking Water Permit
- DEH – County Department of Environmental Health
- EIR – Environmental Impact Report
- LSA – Lake and Streambed Alteration Agreement
- MND – Mitigated Negative Declaration
- N/A – Not Applicable
- NOE – Notice of Exemption
- R/W – Right-of-Way/Encroachment Permit
- \*Additional funding to be proposed for Fiscal Year 2024-25
- †Project budget is offset by Grant and Prior Year PAYGO funds.

Project: CAPITAL PROJECT SCH  
Date: Wed 4/24/24

Task		Project Summary		Manual Task		Start-only		Completion	
Split		Inactive Task		Duration-only		Finish-only		Contract Award	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Plan Update	
Summary		Inactive Summary		Manual Summary		External Milestone		Plan Acceptance	