Fairfield-Suisun Sewer District

1010 Chadbourne Road ● Fairfield, California 94534 ● (707) 429-8930 ● www.FairfieldSuisunSewer.ca.gov

Board of Directors Meeting Agenda

Meeting Date: Monday, April 28, 2025
Meeting Place: 1010 Chadbourne Road, Fairfield, CA
Meeting Time: 6:00 p.m.

1. Roll Call
2. Pledge of Allegiance
3. Public Comments
4. Director Comments
5. General Manager Report
6. **Consent Calendar:** **Page**
   (a) Adopt Resolution No. 2025-12 Accepting Grant Funds from California Ocean Protection Council for the Solano Bayshore Resiliency Project.....2
   (b) Adopt Resolution No. 2025-13 Recertifying the Sewer System Management Plan....6
   (c) Approve Board Minutes of March 24, 2025 131
7. **Discussion Item:**
   (a) Presentation on Rate Study Process
8. **Information Item:**
   (a) Quarterly Investment Report.....134
   (b) Fairfield-Suisun Sewer District Education Program 208
   (c) Board Calendar 212
9. **Closed Session:**
   (a) Gov. Code Section 54956.8: Conference with Real Property Negotiators regarding Price and Terms for Property: Various easements and deed restrictions on APNs 0032-180-580, 0032-091-190, 0032-091-180, 0032-091-230, 0032-091-210, 0032-042-770, 0032-042-780, 0032-042-790, and 0032-032-160; Agency Negotiator: Jordan Damerel, General Manager; Negotiating Parties: City of Suisun City (Bret Prebula, City Manager), City of Fairfield (David Gassaway, City Manager), ZMAN LLC (Camran Nojoomi)
   (b) Gov. Code Section 54957: Public Employee Performance Evaluation; Title: General Manager

--End of Agenda--

The Fairfield-Suisun Sewer District will provide reasonable disability-related modification or accommodation to a person with a disability who requires a modification or accommodation in order to participate in the meeting of the Board of Directors. Please contact the District at (707) 429-8930 at least 48 hours before the meeting if you require such modification or accommodation.

Documents that are disclosable public records required to be made available under California Government Code Section 54957.5 (b) (1) and (2) are available to the public for inspection at no charge during business hours at our administrative offices located at the above address.

Members of the public may speak on any matter within the jurisdiction of the Fairfield-Suisun Sewer District by identifying themselves at the beginning of the meeting. Comments on matters not listed on the agenda will be taken under Public Comments. Comments on matters appearing on the agenda will be taken during consideration of the item.

FAIRFIELD-SUISUN SEWER DISTRICT

1010 Chadbourne Road ● Fairfield, California 94534 ● (707) 429-8930 ● www.FairfieldSuisunSewer.ca.gov

April 23, 2025

AGENDA REPORT

TO: Board of Directors

FROM: Meg Herston, Director of Environmental Services
Trang Bui, Engineering Technician

SUBJECT: Ocean Protection Council Grant Funding for the Solano Bayshore Resiliency Project

Recommendation: Staff recommends that the Board adopt a resolution authorizing the General Manager, or designee, to execute all necessary agreements, certifications, and related documents to accept grant funding in the amount of $1,391,713 from the California Ocean Protection Council (OPC) under the SB 1 Sea Level Rise Adaptation Planning Grant Program for the Solano Bayshore Resiliency Project.

Background: The Solano Bayshore Resiliency Project is aimed at addressing the impacts of sea-level rise and building regional climate resilience. The project will develop a multi-jurisdictional shoreline adaptation plan that incorporates vulnerability assessments, community engagement, aligns with SB 272 requirements, and actionable strategies to mitigate risks to infrastructure, ecosystems, and communities. The District initially took the lead on applying for the grant and is now working in partnership with Solano County and Solano Bayshore cities (Fairfield, Suisun City, Vallejo, and Benicia) to execute the project. Grant management is being conducted by the District, and project management is being jointly conducted by the District and Solano County.

The District, in partnership with Solano County and other stakeholders, submitted a proposal to the Ocean Protection Council in January 2025. In March 2025, the OPC notified the District of a conditional award of $1,391,713 to support the planning and technical development phases of the project through early 2027.

Discussion: The Solano Bayshore Resiliency Project is a multi-jurisdictional effort to identify vulnerabilities from sea-level rise, engage stakeholders in designing solutions, and develop a shoreline adaptation plan with nature-based strategies.

The grant funding from OPC requires that the District's governing body formally authorize acceptance of the funds and delegate signature authority to a designated representative.

Upon acceptance, staff will coordinate with OPC to finalize the grant agreement and initiate project implementation in accordance with the approved work plan and timeline.

Fiscal Impact: The $1,391,713 OPC grant will fully fund the planning activities for this phase of the project. The District has also secured $601,133 in state-leveraged contributions through a prior award from the Governor's Office of Land Use and Climate Innovation (LCI). No District contribution or local match is required. The District's budget will be amended when the grant agreement is finalized.

Attachment: Resolution 2025-12 Accepting Grant Funds from California Ocean Protection Council for the Solano Bayshore Resiliency Project

FAIRFIELD-SUISUN SEWER DISTRICT

RESOLUTION NO. 2025-12

A RESOLUTION APPROVING THE APPLICATION FOR AND/OR EXECUTION OF GRANT FUNDS FROM THE OCEAN PROTECTION COUNCIL UNDER THE SAFE DRINKING WATER, WATER QUALITY AND SUPPLY, FLOOD CONTROL, RIVER AND COASTAL PROTECTION BOND ACT OF 2006 (PROPOSITION 84), PROP 68, ENVIRONMENTAL LICENSE PLATE FUNDS, ONCE THROUGH COOLING, GREENHOUSE GAS REDUCTION FUND, OR GENERAL FUNDS

WHEREAS, the Legislature and Governor of the State of California have provided funds for the program shown above; and

WHEREAS, the California Natural Resources Agency has been delegated the responsibility for the administration of this grant program, establishing necessary procedures; and

WHEREAS, said procedures established by the California Natural Resources Agency require a resolution certifying the approval by the potential grantee's governing board either before submission of said application(s) to the State or prior to execution of the grant agreement; and

WHEREAS, the Applicant/Grantee, if selected, will enter into an agreement with the State of California to carry out the project.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE FAIRFIELD-SUISUN SEWER DISTRICT:

1. If applicable, approves the filing of an application for the Solano Bayshore Resiliency Project to be funded by Ocean Protection Council;
2. If applicable, certifies that Applicant or title holder will have sufficient funds to operate and maintain the project(s) consistent with the land tenure requirements; or will secure the resources to do so;
3. Certifies that the project will comply with any laws and regulations including, but not limited to, the California Environmental Quality Act (CEQA), legal requirements for building codes, health and safety codes, the California Labor Code, disabled access laws, and, that prior to commencement of the project, all applicable permits will have been obtained; and,
4. Certifies that the Applicant/Grantee will work towards the State Planning Priorities intended to promote equity, strengthen the economy, protect the environment, and promote public health and safety as included in Government Code Section 65041.1; and,

5. Appoints the General Manager or designee, as agent to conduct all negotiations, execute and submit all documents including, but not limited to applications, agreements, payment requests and so on, which may be necessary for the completion of the aforementioned project(s).

PASSED AND ADOPTED THIS 28th day of April 2025, by the following vote:

AYES: Directors _____

NOES: Directors _____

ABSTAIN: Directors _____

ABSENT: Directors _____

_____
President

ATTEST:

_____
District Clerk

FAIRFIELD-SUISUN SEWER DISTRICT
1010 Chadbourne Road ● Fairfield, California 94534 ● (707) 429-8930 ● www.FairfieldSuisunSewer.ca.gov

April 23, 2025

AGENDA REPORT

TO: Board of Directors

FROM: Amanda Roa, Senior Engineer

SUBJECT: Recertify the Sewer System Management Plan

Recommendation: Staff recommends that the Board adopt Resolution 2025-13, recertifying the District's Sewer System Management Plan.

Background: In 2006, the State Water Resources Control Board (SWRCB) issued Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, Order No. 2006-0003 (SSS WDR). The purpose of the SSS WDR is to eliminate avoidable sanitary sewer overflows (SSOs). Under these regulations all sewer system agencies were required to develop and implement a Sewer System Management Plan (SSMP). The SSS WDR also required all sewer agencies to report sewage spills to the state's sewer spill database, the *California Integrated Water Quality System* (*CIWQS*).

The 2006 SSS WDR required that agencies update their SSMP at least every five years and recertify when significant updates are made. The original SSMP was approved by the Board in November 2008, with subsequent recertifications in January 2014 and January 2019.

Discussion: In December 2022, the SWRCB reissued the SSS WDR which became effective on June 5, 2023. The reissued SSS WDR includes several new requirements to promote improved utility management and reliability. The reissued SSS WDR also revised the next SSMP update due date to May 2, 2025 and now requires re-certification every six years. District staff completed a significant revision of the SSMP to incorporate new requirements and updated the document to reflect current staffing, procedures, and practices. Management procedures were coordinated with both Fairfield and Suisun City, who each must prepare separate SSMPs for their collection systems.

Fiscal Impact: The updated SSMP will have no additional fiscal impact.

Attachments: 1 – Resolution No. 2025-13
2 – Sewer System Management Plan

FAIRFIELD-SUISUN SEWER DISTRICT

RESOLUTION NO. 2025-13

A RESOLUTION RECERTIFYING THE SEWER SYSTEM MANAGEMENT PLAN

WHEREAS, the District is subject to the Statewide General Waste Discharge Requirements for Sanitary Sewer Systems (SSS WDR) issued by the State Water Resources Control Board (SWRCB);

WHEREAS, the SSS WDR requires the development of a Sewer System Management Plan (SSMP) to encourage the effective management of the sewer system and reduction of spills;

WHEREAS, the SWRCB reissued the SSS WDR in December 2022 and required additional information to be included in the SSMP by May 2, 2025;

WHEREAS, the reissued SSS WDR requires that the SSMP be updated at least every six (6) years and recertified in compliance with its regulations by the Sewer District's authorized representative once the Sewer District's governing body approves the SSMP at a public meeting whenever significant changes are made; and

WHEREAS, the District made significant changes to the SSMP to satisfy the new SSS WDR requirements and updated the document to conform with the current procedures and practices.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE FAIRFIELD-SUISUN SEWER DISTRICT:

1. The updated Sewer System Management Plan is hereby approved by the Board of Directors.

2. The General Manager is hereby authorized and directed to do all things necessary and proper to implement this resolution, including completion of the recertification process.

PASSED AND ADOPTED THIS 28th day of April 2025, by the following vote:

AYES: Directors _____

NOES: Directors _____

ABSTAIN: Directors _____

ABSENT: Directors _____

_____
President

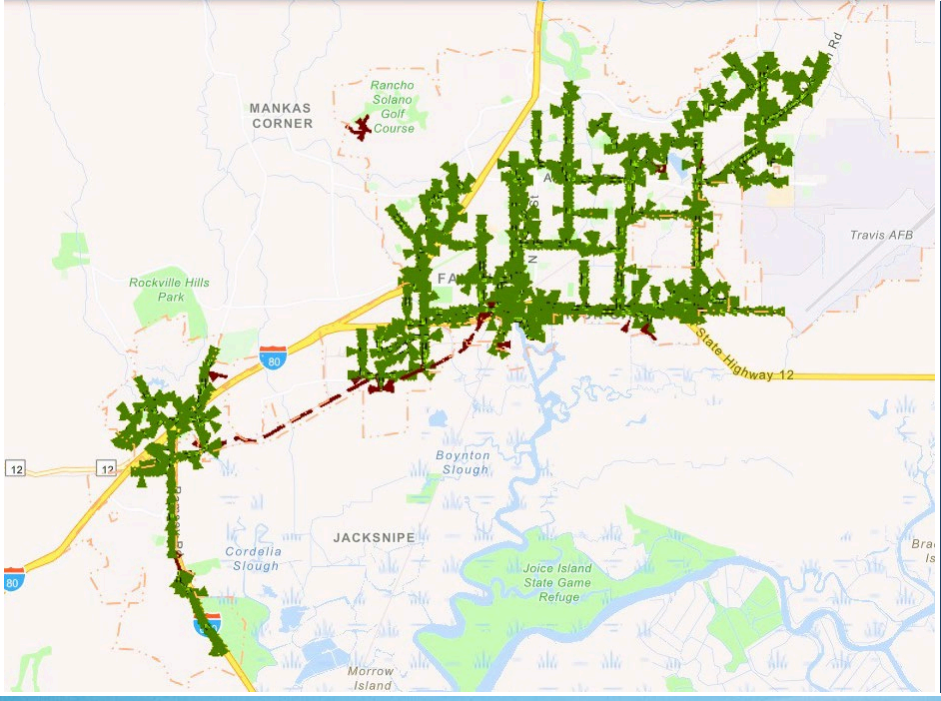
ATTEST:

_____
District Clerk

Fairfield-Suisun Sewer District
Sewer System Management Plan

1010 Chadbourne Rd
Fairfield, CA 94534
www.FairfieldSuisunSewer.ca.gov

2025



FAIRFIELD-SUISUN SEWER DISTRICT
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Fairfield-Suisun Sewer District
Sewer System Management Plan

Element 1: Goal and Introduction

2025

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List of Terms & Abbreviations

ARV	air release valve
AWWA	American Water Works Association
Cities	Cities of Fairfield and Suisun City
CCTV	Closed-Circuit Television
CMMS	Computerized Maintenance Management System
FSSD, District	Fairfield-Suisun Sewer District
ft	feet
GIS	Geographic Information System
gpm	gallons per minute
PVC	Polyvinyl Chloride
RWQCB	Regional Water Quality Control Board
SCADA	Supervisory Control and Data Acquisition
SSMP, Plan	Sewer System Management Plan
SSO	Sanitary Sewer Overflow
SSS	Sanitary Sewer System
SSS WDR	Order No. 2022-0103-DWQ
SWRCB	State Water Resources Control Board
WDR	Waste Discharge Requirements
WWTP	Wastewater Treatment Plant

1 Sewer System Management Plan Goal and Introduction

SSS WDR Requirement:
The goal of the Sewer System Management Plan (Plan) is to provide a plan and schedule to: (1) properly manage, operate, and maintain all parts of the Enrollee's sanitary sewer system(s), (2) reduce and prevent spills, and (3) contain and mitigate spills that do occur.

This Sewer System Management Plan (SSMP) complies with the requirements outlined in State Water Resources Control Board (SWRCB) Statewide Waste Discharge Requirements (WDR) General Order for Sanitary Sewer Systems (SSS) Order No. 2022-0103-DWQ (SSS WDR) that was adopted on December 6, 2022 and became effective on June 5, 2023.

1.1 Regulatory Context

SSS WDR Requirement:
The Plan Introduction section must provide a general description of the local sewer system management program and discuss Plan implementation and updates.

The intent of Element 1 is to identify more specific SSMP goals for Fairfield-Suisun Sewer District (FSSD or District). These goals are intended to provide focus for District staff to continue high-quality work and to implement continuous improvements in the management of the District's wastewater collection system.

The goals of the FSSD SSMP are:

- To properly manage, operate, and maintain all portions of the District's wastewater collection system
- To provide adequate capacity to convey peak wastewater flows to the District's Wastewater Treatment Plant (WWTP). Adequate capacity, for the purposes of this SSMP, is defined as the capacity to convey the peak wastewater flows that are associated with a design storm event, as defined in the District's Collection System Master Plan and Design Storm Study
- To plan for the appropriate renewal and replacement of wastewater collection system facilities to maintain their long-term structural integrity and reliability
- To investigate the causes of and minimize the frequency of SSOs
- To mitigate the impacts associated with SSOs
- To identify roles and responsibilities related to sewer system management
- To proactively reduce infiltration/inflow
- To meet all applicable regulatory notification and reporting requirements

1.2 Sewer System Management Plan Update Schedule

SSS WDR Requirement:
The Plan Introduction section must include a schedule for the Enrollee to update the Plan, including the schedule for conducting internal audits. The schedule must include milestones for incorporation of activities addressing prevention of sewer spills.

The District updates its SSMP every 6 years as required by the revised SSS WDR, with updates to individual elements as necessary as shown in **Table 1.2-1**. Audits are performed once every 3 years as outlined in **Table 1.2-2**.

Table 1.2-1 Sewer System Management Plan Schedule

	Legal Due Date	Internal Due Date	Board Approval Date	Future Due Dates
Full Update	5/2/2025	4/16/25	4/28/25	5/2/2031 5/2/2037 5/2/2043
Element 2 (Organization)		Review Annually		
Element 4 (O&M Program)		Review Annually		
Element 8 (System Valuation, Capacity Assurance, Capital Improvements)		Review Annually		

Table 1.2-2 Internal Audit Schedule

	Legal Due Date	3-Year Audit Period
Next Audit	November 2, 2027	5/3/24 – 5/2/27
Future Audit	November 2, 2030	5/3/27 – 5/2/30
Future Audit	November 2, 2033	5/3/30 – 5/2/33
Future Audit	November 2, 2036	5/3/33 – 5/2/36
Future Audit	November 2, 2039	5/3/36 – 5/2/39

1.3 Sewer System Asset Overview

SSS WDR Requirement:

The Plan Introduction section must provide a description of the Enrollee-owned assets and service area, including but not limited to:

- Location, including county(ies)
- Service area boundary
- Population and community served
- System size, including total length in miles, length of gravity mainlines, length of pressurized (force) mains, and number of pump stations and siphons
- Structures diverting stormwater to the sewer system
- Data management systems
- Sewer system ownership and operation responsibilities between Enrollee and private entities for upper and lower sewer laterals
- Estimated number or percent of residential, commercial, and industrial service connections
- Unique service boundary conditions and challenge(s)

Additionally, the Plan Introduction section must provide reference to the Enrollee's up-to-date map of its sanitary sewer system, as required in section 4.1 (Updated Map of Sanitary Sewer System) of this Attachment.

Section 4.1 – An up-to-date map(s) of the sanitary sewer system, and procedures for maintaining and providing State and Regional Water Board staff access to the map(s). The map(s) must show gravity line segments and manholes, pumping facilities, pressure pipes and valves, and applicable stormwater conveyance facilities within the sewer system service area boundaries.

The District and the Cities of Fairfield and Suisun City jointly operate and maintain the wastewater collection system that serves both cities. The District owns and operates the trunk sewer system, which includes all 12-inch and larger sewers, while the Cities own and operate 10-inch and smaller sewers that comprise the majority of the collection system. The District also owns and operates all pump stations and forcemains in the collection system, including the four major pump stations and associated forcemains that convey wastewater to the District's WWTP. **Table 1.3-1** contains information about the District's service area and assets. **Figure 1.3-1** shows the District's service area boundary and pump stations.

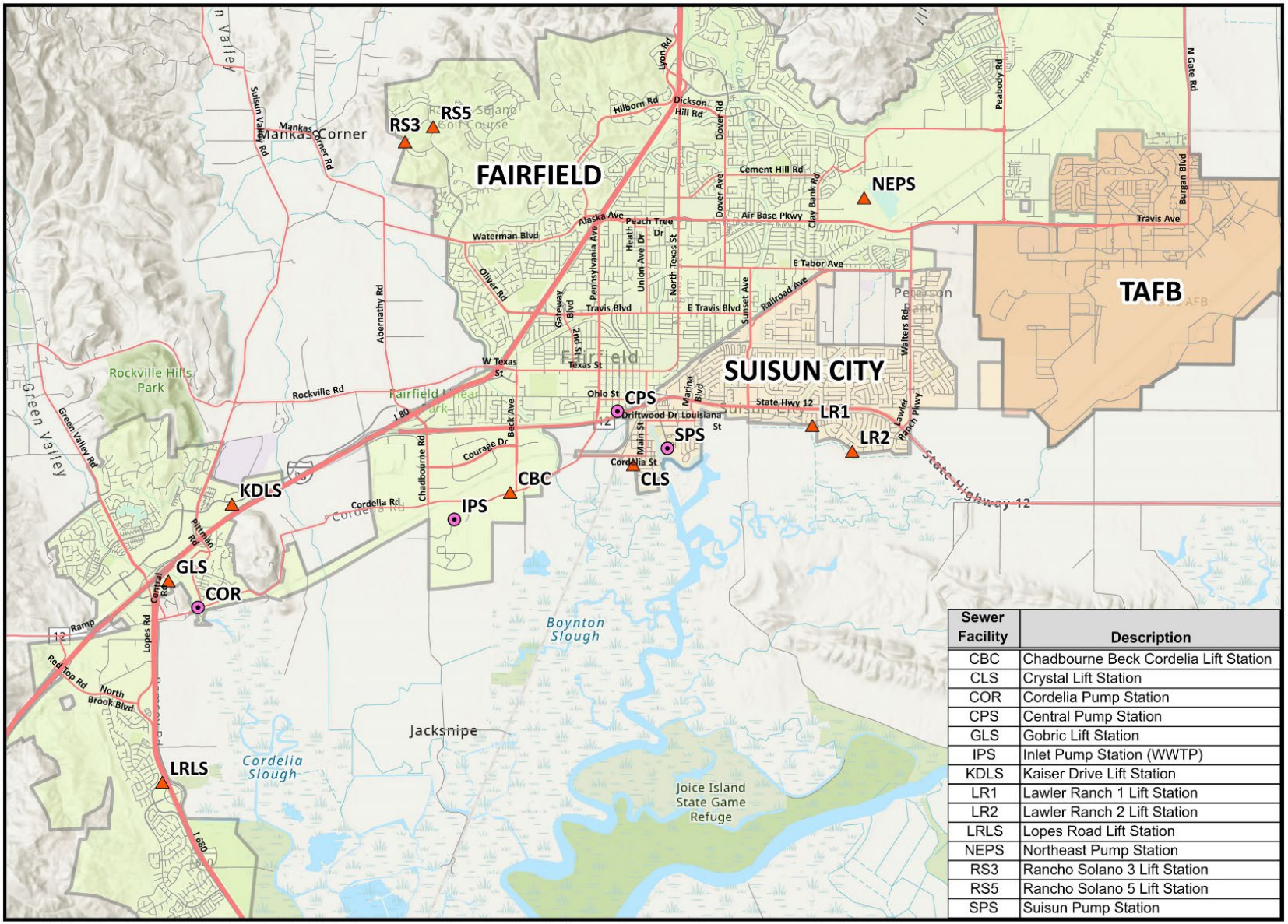
Table 1.3-1 Collection System/Asset Information

	Description
County	Solano
Communities Served **# Residential** **# Commercial** **# Industrial**	Fairfield, Suisun City, Travis Airforce Base 35,000 1,200 75
Population	150,000
Miles of Sewer (mi) **Forcemains (mi)** **Gravity Mains (mi)** **Siphons (#)**	86 15 71 17
Pump Stations	14 (including Inlet Pump Station on WWTP site)
Stormwater Diversion Structures	None
Data Management Systems	• **Computerized Maintenance Management System (CMMS)** – for maintenance work order management • **Geographic Information System (GIS)** – for asset location, maps, and spatial analysis • **WinCAN** – for closed-circuit television (CCTV) video • **SmartCover** – for level indication of priority manholes • **Supervisory Control and Data Acquisition (SCADA)** – for flow and pump station operational data • **InfoWorks ICM** – sewer system model • **xLIMS** – laboratory information management system for water quality data • **HachWIMS and eRIS** – operational and laboratory data analysis and trending • **SharePoint** – for records/document access/storage and incident and activity tracking
Lateral Responsibility **FSSD** **City of Fairfield** **City of Suisun City** **Travis Airforce Base**	 None Responsible for lower lateral from City owned clean out to main Responsible for lower lateral from City owned clean out to main Responsible for upper and lower lateral

1.3.1 Gravity Lines

As stated previously, the District operates and maintains the trunk sewer system, which includes all 12-inch and larger sewers, while the Cities own and operate 10-inch and smaller sewers that comprise the majority of the collection system.

Figure 1.3-1 FSSD Service Area and Pumping Stations



Sewer Facility	Description
CBC	Chadbourne Beck Cordelia Lift Station
CLS	Crystal Lift Station
COR	Cordelia Pump Station
CPS	Central Pump Station
GLS	Gobric Lift Station
IPS	Inlet Pump Station (WWTP)
KDLS	Kaiser Drive Lift Station
LR1	Lawler Ranch 1 Lift Station
LR2	Lawler Ranch 2 Lift Station
LRLS	Lopes Road Lift Station
NEPS	Northeast Pump Station
RS3	Rancho Solano 3 Lift Station
RS5	Rancho Solano 5 Lift Station
SPS	Suisun Pump Station

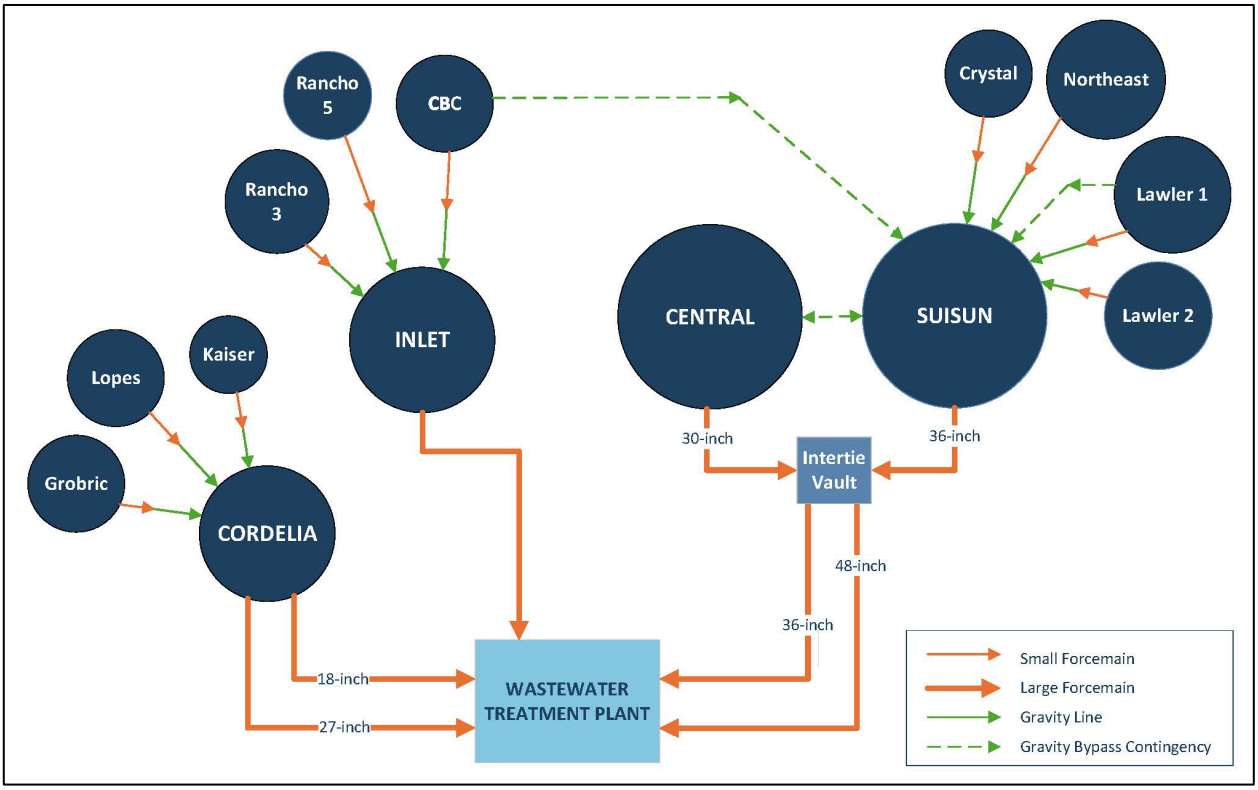
1.3.2 Pump Stations

The District's pump stations include four large pump stations that serve the four drainage basins of the District's service area. These four large pump stations discharge directly into the treatment plant headworks. Ten smaller lift stations discharge to gravity sewers within the four major drainage basins as shown in Figure 1.3.2-1.

Several of the pump stations will passively bypass to another drainage basin in the event of an extended outage. The passive bypass feature serves as a contingency plan option for these pump stations:

- Central Pump Station flow will divert by gravity to Suisun Pump Station in the event of an extended pump station outage. Suisun Pump Station has adequate capacity to handle dry weather flows for both Suisun and Central drainage basins.
- Suisun Pump Station flow will divert by gravity to Central Pump Station during in the event of an extended pump station outage. Central Pump Station has adequate capacity to handle dry weather flows for both Suisun and Central drainage basins.
- CBC Pump Station flow will divert by gravity to Suisun Pump Station during average flow conditions in the event of an extended pump station outage. Suisun Pump Station has adequate capacity to handle flow from CBC during the dry weather season.
- Lawler Ranch I Pump Station will divert by gravity to a downstream sewer in the event of an extended pump station outage.

Figure 1.3-2 Pump Station and Forcemain Schematic



Each pump station has a firm capacity rating. Pump station firm capacity is the maximum capacity of the station with one standby pump out of service. Each pump station has a street address used for identifying the location and for utility billing purposes. Pump station capacity and street addresses are summarized in **Table 1.3-2**.

Table 1.3-2 Pump Station Capacities

Pump Station	Location (City)	Firm Pumping Capacity (MGD)
Central	915 Illinois Street, Fairfield	27.7 [a]
Cordelia	4530 Cordelia Road, Fairfield	10.8/11.8 [b]
CBC	2104 Cordelia Road, Fairfield	7.6
Crystal Street	1140 Crystal Street	0.5 [e]
Grobric Court	137 Grobric Court, Fairfield	0.14 [e]
Inlet	1010 Chadbourne Road, Fairfield (WWTP)	15/18.5 [c]
Kaiser	441 Business Center Drive, Fairfield	1.1 (770 gpm)
Lawler Ranch I	909 Anderson Drive, Suisun City	0.36 [g]
Lawler Ranch II	1159 Lawler Ranch Parkway, Suisun City	1.1
Lopes Road	4795 Lopes Road, Fairfield	3
Northeast	Abundance Way, Fairfield	2.3
Rancho #3	Pebble Beach Circle, Fairfield	0. 4
Rancho #5	2900 Pebble Beach Circle, Fairfield	0.14
Suisun	3098 Civic Center Drive, Suisun City	38/32 [d]

Footnotes:

[a] Pumping through the 36-inch forcemain with completion of the Central Suisun Forcemain Equalization Project.

[b] 10.8 MGD pumping through the 27-inch forcemain; 11.8 MGD pumping through both forcemains.

[c] 18.5 MGD pumping to the headworks and 15 MGD pumping to the diversion structure. Inlet Pump Station would only be diverted to the diversion structure for maintenance projects and not during wet weather flow conditions.

[d] Pumping through the 48-inch forcemain, capacity is 38 MGD to the equalization lagoon and 32 MGD to the headworks with completion of the Central Suisun Forcemain Equalization Project in 2013.

[e] Portable Generator receptacle and manual transfer switch, trailer mounted generator kept at plant for emergency response.

1.3.3 Forcemains

The Cordelia Pump Station has 18-inch and 27-inch diameter dual forcemains. The smaller forcemain is used in the dry months and the larger forcemain is used in wet months. Dual forcemains also provide a contingency plan in the event of damage to one of the forcemains. The 36-inch Suisun Forcemain passes through the Central Pump Station site where the 36-inch and 48-inch forcemains are joined in a junction vault. The forcemains are interchangeable in the junction vault but the standard configuration is for Suisun Pump Station to use the 48-inch forcemain from the junction vault to the treatment plant. The Central-Suisun forcemain configuration provides a contingency option should one of the forcemains fail or be damaged.

Details about the District's four major forcemains are shown in **Table 1.3.3-1**. The nine remaining forcemains for the smaller pump stations range in size from 6-inches to 12-incheas in diameter and are made of polyvinyl chloride (PVC) pipe. Additional operational information about the District's forcemains includes the following:

- The four major forcemains feature drain-back valves and piping to minimize the volume of spills in the event of a forcemain failure
- The District's smaller forcemains have cleanouts

- Cordelia Pump Station has redundant forcemains, either of which can be used as a back-up during average flows
- Suisun and Central forcemains are interconnected at the site of the Central Pump Station for operational flexibility and redundancy

Table 1.3-3 Major Forcemains

Forcemain	Size, inches	Material	Length, feet	Number of ARVs	Corrosion
Cordelia [b]	18	Welded Steel [b]	17,130	13	Yes
Cordelia [b]	27	Welded Steel [b]	17,280	19	Yes
Suisun/Central [c]	48	Steel Cylinder [a]	11,520	6	Yes
Central/Suisun [c]	36	Welded Steel [b]	16,930	7	Yes

Footnotes:

[a] AWWA C303 Concrete Bar-wrapped Cylinder Pipe.

[b] Dual Forcemains. Concrete mortar lined and coated steel pipe.

[c] The 36-inch Suisun Forcemain passes through the Central Pump Station site where the 36-inch and 48-inch forcemains are joined in a junction vault. The forcemains are interchangeable in the junction vault but the standard configuration is for Suisun Pump Station to use the 48-inch forcemain from the junction vault to the treatment plant since the completion of the Suisun/Central Forcemain Project in 2013.

1.3.4 Updated Sanitary Sewer System Maps

The District uses GIS to maintain up-to-date maps of its sanitary sewer system. GIS contains gravity line segments and manholes, pump and lift stations, pressure pipes and valves, as well as other relevant information for both FSSD assets, as well as the assets of satellite systems. The District coordinates with the Cities and exchanges GIS related information on an annual basis. Updated maps can be provided to the Regional or State Water Board in electronic or hard copy format as required. More information about the District's GIS information can be found in Section 4.1.

Fairfield-Suisun Sewer District
Sewer System Management Plan

Element 2: Organization

2025

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List of Terms & Abbreviations

CCTV	Closed-circuit Television
CIWQS	California Integrated Water Quality System
CS	Collection System
FSSD, District	Fairfield-Suisun Sewer District
GIS	Geographic Information System
LRO	Legally Responsible Official
OES	Office of Emergency Services
SSMP	Sewer System Management Plan
SSS	Sanitary Sewer System
SSS WDR	Order No. 2022-0103-DWQ
SWRCB	State Water Resources Control Board
WDR	Waste Discharge Requirements

2 Organization

SSS WDR Requirement:
The Plan must identify organizational staffing responsible and integral for implementing the local Sewer System Management Plan through an organization chart or similar narrative documentation that includes:

- *The name of the Legally Responsible Official as required in section 5.1 (Designation of a Legally Responsible Official) of this General Order*
- *The position titles, telephone numbers, and email addresses for management, administrative, and maintenance positions responsible for implementing specific Sewer System Management Plan elements*
- *Organizational lines of authority*
- *Chain of communication for reporting spills from receipt of complaint or other information, including the person responsible for reporting spills to the State and Regional Water Boards and other agencies, as applicable (For example, county health officer, county environmental health agency, and State Office of Emergency Services.)*

The intent of this element is to identify District staff who are responsible for implementing this Sewer System Management Plan (SSMP), responding to spill events, and meeting the spill reporting requirements. This section fulfills the requirements of Element 2 of the State Water Resources Control Board (SWRCB) Statewide Waste Discharge Requirements (WDR) General Order for Sanitary Sewer Systems (SSS) Order No. 2022-0103-DWQ (SSS WDR) that was adopted on December 6, 2022 and became effective on June 5, 2023.

2.1 Legally Responsible Official

The District has designated the following positions as Legally Responsible Officials (LROs) as defined by Section 5.1 of the SSS WDR:

- General Manager/District Engineer
- Director of Operations & Maintenance
- Director of Environmental Services

These positions have the authority to ensure that the sanitary sewer system complies with the SSS WDR and are authorized to serve as a duly authorized representative of the District. The positions are also registered to certify and submit electronic spill reports and other required information through the SWRCB's online spill reporting database, California Integrated Water Quality System (CIWQS).

Additionally, the District has designated the following positions to be Data Submitters in CIWQS:

- Senior Engineer, Environmental Services Department
- Engineering Technician, Environmental Services Department
- Maintenance Manager

2.2 Responsible Positions

Maintaining a well-functioning collection system requires contributions from personnel across all District departments. Table 2.2-1 describes SSMP responsibilities by position. Corresponding names, telephone numbers and email addresses can be found in Element 6 – Spill Emergency Response Plan Appendix 6-A.

The names, positions, and contact information for each of the District staff responsible for implementing specific measures of this SSMP are included in Element 6 – Spill Emergency Response Plan Appendix 6-A.

Table 2.2-1 SSMP Responsibilities

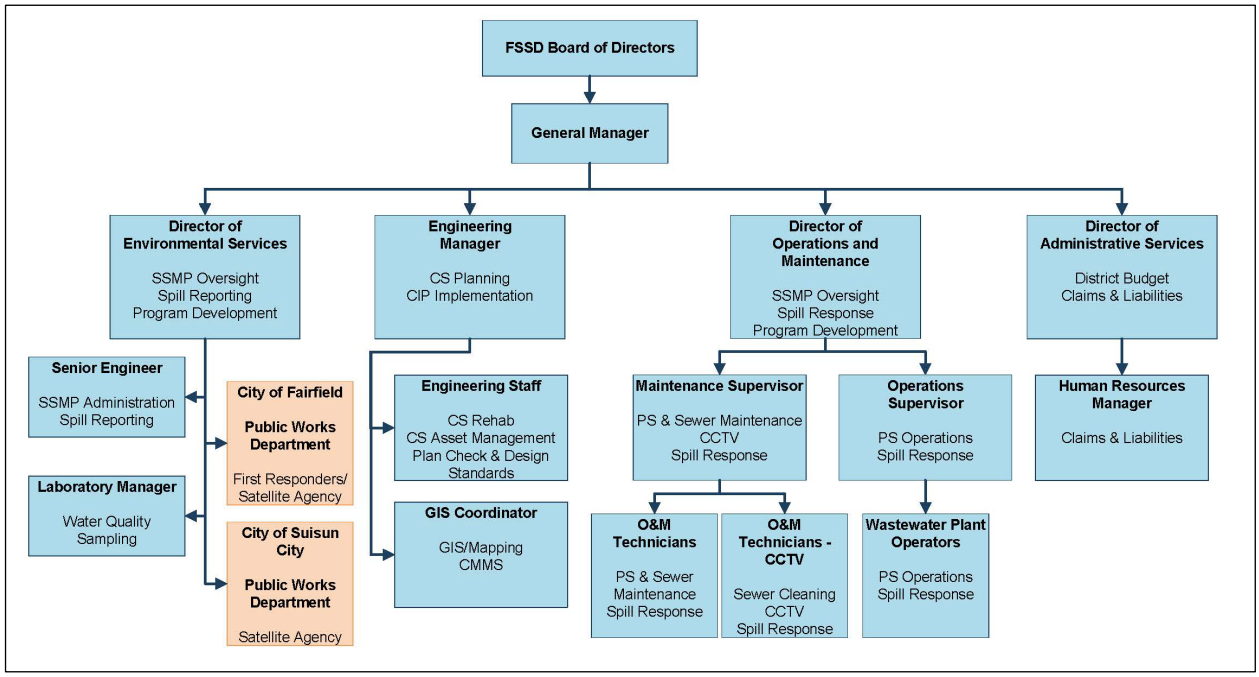
Title	Responsibility
General Manager/ District Engineer	• Overall responsibility for entire District operations, including the wastewater treatment plant and collection system (CS) • Ensures proper personnel, budget, and resources to effectively implement the SSMP • CIWQS LRO
Director of Operations & Maintenance	• Overall responsibility for the Operations & Maintenance Department • Responsible for overall SSMP implementation and ensuring that program goals and organizational structure are documented and that the District has the legal authority to comply with the SSS WDR • Lead for SSMP Elements 2, 3, and 4 • CIWQS LRO
Maintenance Manager	• Manages Maintenance and Collections Staff • Responsible for maintenance of the sewers, pump stations and forcemains • In coordination with the GIS Coordinator, develops the collection system cleaning and closed-circuit television (CCTV) schedule • CIWQS Data Submitter
Operations Manager	• Manages Operations Staff • Responsible for operation of the sewers, pump stations, and forcemains • Responsible for pump station emergency response
Director of Environmental Services	• Overall responsibility for the Environmental Services Department • Responsible for the overall development of the SSMP document, including the SERP • Lead for SSMP Elements 1, 6, 9, 10, and 11 • CIWQS LRO
Senior Engineer	• Responsible for administration of the SSMP • Primary coordinator for CIWQS spill reporting • CIWQS Data Submitter
Laboratory Manager	• Manages the laboratory and laboratory staff • Ensures proper water quality sampling in response to spills
Engineering Technician	• Assists with spill reporting, SSMP audits, and SSMP updates • CIWQS Data Submitter
Engineering Manager	• Overall responsibility for the Engineering Department • Responsible for design and construction standards, capacity assessment, and capital improvements for the sewer system • Lead for SSMP Elements 5 and 8
Engineering Staff	• Manages the design and construction of sewer system repair and rehabilitation projects
GIS Coordinator	• Responsible for maintaining the geographic information system (GIS) and mapping of the sewer system and storm drain system • Maintains the sewer system maintenance database • Maintains collection system drawings
Director of Administrative Services	• Overall responsibility for the Administrative Services Department • Responsible for responding to property damage incidents resulting from spills

Title	Responsibility
Human Resource Manager	• Administers claims related to spills

2.3 Organizational Lines of Authority

The organizational chart for the management, operation, and maintenance of the District's sewer system is shown on **Figure 2.3-1**.

Figure 2.3-1 FSSD Organizational Chart



2.4 Reporting Chain of Communication

Spill detection, response, internal communication, external notification, and reporting processes are described in detail in Element 6 – Spill Emergency Response Plan.

Fairfield-Suisun Sewer District

Sewer System Management Plan

Element 3: Legal Authority

2025

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List of Terms & Abbreviations

CIP	Capital Improvement Program
Cities	Cities of Fairfield and Suisun City
FOG	Fats, Oils, and Grease
FSSD, District	Fairfield-Suisun Sewer District
GIS	Geographic Information System
GRD	Grease Removal Device
I/I	Inflow and Infiltration
NPDES	National Pollutant Discharge Elimination System
POTW	Publicly Owned Treatment Works
SSMP	Sewer System Management Plan
SSS	Sanitary Sewer System
SSS WDR	Order No. 2022-0103-DWQ
SWRCB	State Water Resources Control Board
TAFB	Travis Airforce Base
WDR	Waste Discharge Requirements

3 Legal Authority

This element of the Sewer System Management Plan (SSMP) discusses the legal authorities of Fairfield-Suisun Sewer District (FSSD or District), including its Wastewater Discharge Ordinance and agreements with other agencies. This section fulfills the requirements of Element 3 of the State Water Resources Control Board (SWRCB) Statewide Waste Discharge Requirements (WDR) General Order for Sanitary Sewer Systems (SSS) Order No. 2022-0103-DWQ (SSS WDR) that was adopted on December 6, 2022 and became effective on June 5, 2023.

SSS WDR Requirement:
The Plan must include copies or an electronic link to the Enrollee's current sewer system use ordinances, service agreements and/or other legally binding procedures to demonstrate the Enrollee possesses the necessary legal authority to:

- *Prevent illicit discharges into its sanitary sewer system from inflow and infiltration (I&I); unauthorized stormwater; chemical dumping; unauthorized debris; roots; fats, oils, and grease; and trash, including rags and other debris that may cause blockages*
- *Collaborate with storm sewer agencies to coordinate emergency spill responses, ensure access to storm sewer systems during spill events, and prevent unintentional cross connections of sanitary sewer infrastructure to storm sewer infrastructure*
- *Require that sewer system components and connections be properly designed and constructed*
- *Ensure access for maintenance, inspection, and/or repairs for portions of the service lateral owned and/or operated by the Enrollee*
- *Enforce any violation of its sewer ordinances, service agreements, or other legally binding procedures*
- *Obtain easement accessibility agreements for locations requiring sewer system operations and maintenance, as applicable*

3.1 FSSD Wastewater Discharge Ordinance

The District's legal authority to regulate discharges is provided in the *Fairfield-Suisun Sewer District Act* (Enabling Act), which states that "every user that is connected to the District's sewage treatment system is subject to the District's ordinances, resolutions, and other laws." The District's Wastewater Discharge Ordinance (Ordinance) is applicable to all users of the Publicly Owned Treatment Works (POTWs) which includes systems in the District service area that collect and convey wastewater to the treatment plant, including satellite sewer systems owned by the City of Fairfield and City of Suisun City. The regulations provided in the Ordinance that address the specific SSMP requirements are summarized below. The Ordinance can be found in District files and on the District's website.

3.1.1 Prevention of Illicit Discharges

Measures prohibiting illicit discharges are included in Section 2.1 of the District's Ordinance. The specific purpose of the section is to prevent the discharge of any pollutant into the sewers that would obstruct or damage the collection system, interfere with treatment, or threaten harm to human health or the environment. Examples of discharges covered are included below.

Inflow and Infiltration (I/I)

Section 2.1.B.(11) prohibits storm water, ground water, rain water, street drainage, well water, roof drainage, subsurface drainage or yard drainage to be discharged to a community sewer unless specifically authorized by the District.

Through its sewer system master planning and hydraulic modeling, the District assesses the magnitude of inflow and infiltration (I/I), and has determined that, with the completion of identified projects in its Capital Improvement Program (CIP), the system has adequate capacity to handle I/I. If I/I becomes a problem in the future (i.e., causes spills or increased risk of spills as evidenced by surcharged sewers during wet weather), the District may evaluate the need to set I/I limits on its satellite communities and/or enforce the requirements of its ordinance.

FOG and Debris Discharge Limitations

Section 2.1.B.(16) specifically prohibits the introduction of fats, oils, and grease (FOG) which "causes the User's discharge to exceed the local limits set forth in Section 2.4, or FOG disposal from any GRD [Grease Removal Device]". Local limits included in Section 2.4 (B) prohibit the discharge of wastewater containing oil and/or grease in excess of 300 mg/L.

Other Discharges

Section 2.1 prohibits discharge of waste to a community sewer that could by itself or by interaction with other waste could, among other requirements:

- Cause a fire or explosion hazard
- Endanger human health
- Obstruct flow
- Injure the sewer system
- Damage the wastewater collection, treatment or disposal facilities
- Create a nuisance
- Pollute the air
- Interfere with the treatment process
- Render the effluent unsuitable for reclamation and reuse or interfere with the reclamation process
- Cause a detrimental environmental impact
- Produce quantities or flow rates which overload the collection or treatment facilities
- Affect the quality of the District's treatment works effluent
- Cause the effluent to violate its National Pollutant Discharge Elimination System (NPDES) Permit
- Cause a violation of any categorical or local constituent limit, limits or objectives set for the District, or other limit imposed by permit

The District's authority to inspect the premises of any discharger to document compliance with the Ordinance is stated in Section 7.1 of the Ordinance.

3.1.2 Enforcement Measures

Sections 10 and 11 of the District's Ordinance provide different enforcement mechanisms to achieve compliance. The enforcement mechanisms set forth range from informal administrative action to formal criminal prosecution. The available enforcement mechanisms include the following:

- Informal administrative action (including Notice(s) of Violation and hearing notices)
- Administrative orders and compliance schedules
- Assessment of charges for obstruction or damages to District facilities or operations
- Administrative complaints for administrative civil penalties
- Suspension or termination of services
- Civil action
- Criminal action

3.2 Design and Construction of Sewer Facilities

The District's legal authority to regulate the design and construction of sewers and connections is provided in the *Fairfield-Suisun Sewer District Act*, which states that "the District may adopt all necessary and proper regulations for all sanitary purposes not in conflict with the laws of this State." Standards pertaining to the design, construction, and inspection of gravity sewer systems, sewer forcemains, and other facilities to be operated and maintained by the District are included in the *Fairfield-Suisun Sewer District Pump Station and Collection System Design Standards, January 2016* (Design Standards). The Design Standards have been developed by the District to be used by developers, consultants, and others to provide the District with consistent, functional, and reliable, facilities. In addition to the requirements outlined in the Design Standards, projects must meet the requirements set forth by the City of Fairfield/City of Suisun City/Solano County (as applicable). Standard specifications and details for design must be obtained from the appropriate agencies. The District's design and construction standards are discussed in further detail in Element 5 of the District's SSMP.

3.2.1 Design Requirements

Chapter VIII and Chapter IX of the Design Standards address the design of gravity sewers (12 inches in diameter or larger) and forcemains. The District does not own or operate any gravity sewers less than 12 inches in diameter. The standards include requirements for sizing; surveying; geotechnical; contract documents; pipeline materials and design; manholes; structures; protective coatings; testing; and inspection.

3.2.2 Construction Requirements

Chapter VIII (Section P) and Chapter IX (Section N) of the Design Standards require that, in addition to the District's requirements, collection system facilities meet the construction requirements set forth by the City of Fairfield, the City of Suisun City, and/or Solano County, as applicable.

3.2.3 Inspection and Testing

Chapter VIII (Section N) and Chapter IX (Section M) of the Design Standards provide field testing requirements for gravity sewers and manholes; and sewer forcemains, respectively.

3.2.4 Other Requirements

If non-open cut pipeline installation methods (e.g., jack and bore, directional drilling, microtunneling, etc.) are proposed or required for installation of a pipeline, specific requirements must be obtained from the District. In addition, a geotechnical report shall address the non-open cut pipeline installation(s) providing recommendations for the materials and installation operation to be used.

3.2.5 Easements

The District has easements for its sewer lines throughout the service area. Requirements for easements are outlined in the Design Standards with instructions to contact the District for specifics. The District has an easement template for approval by the Board of Directors. Copies of easements are maintained in SharePoint and linked to a real estate layer on the District's geographic information system (GIS). Specific requirements for easements are determined by project and typically include:

- Access requirements for operations, maintenance, repair, replacement, and/or rehabilitation (i.e., 24 hours per day, 7 days per week, all year)
- Minimum 30-foot easement width
- All-weather access with proper turnouts and no pavement over manholes
- Minimum road surface requirements (i.e., construction materials, thicknesses, etc.)

- No structures, fixed features, landscaping, or hardscaping over easements (which may prevent access for proper maintenance and repair)
- Compliance with the District's legal easement dedication process

3.3 Sewer Facility Access

In order to operate and maintain the sewer system and respond to spills, it is necessary to coordinate with the satellite systems and other agencies. Per the Enabling Act, the District consists "of the territory in Solano County now contained within the Cities of Fairfield and Suisun City. Any territory hereafter annexed to either city shall be a part of the district upon annexation." This document serves as the basis for the District's provision of trunk sewer conveyance and wastewater treatment and disposal for its satellites' wastewater.

3.3.1 Storm Sewers

The District's Enabling Act gives the District the power to "acquire, construct, reconstruct, alter, enlarge, lay, repair, renew, replace, maintain, and operate such sewers, drains, septic tanks, and sewage collection, outfall, treatment works, and other sanitary disposal systems, and storm water, storm water collection, outfall, and disposal systems, and water reclamation and distribution systems, within or without the district, as in the judgment of the board shall be necessary and proper."

Through a Drainage Maintenance Agreement with the City of Fairfield and Suisun City (Cities), the District performs maintenance activities for regional facilities owned by or under control of the Cities and thus has knowledge of and access to many of the storm facilities in the service area. The District coordinates and shares storm sewer information with the Cities for those portions that are not subject to the Drainage Maintenance Agreement.

3.3.2 Lateral Maintenance Access

Although gravity sewers less than 12 inches in diameter are not under the District's jurisdiction, there are some laterals connected to District sewers. The responsibility for maintenance of these laterals is addressed by the individual jurisdictions (e.g., City of Fairfield, the City of Suisun City, Solano County) in which they are located. Likewise, maintenance access requirements of the City of Fairfield, the City of Suisun City, and/or Solano County shall apply, as applicable.

3.4 Agreements with Other Agencies

The District maintains service agreements with various large customers (e.g., Travis Airforce Base (TAFB), Anheuser-Busch, etc.) for wastewater collection and treatment. Service agreements typically state that "the Contractor (FSSD) shall receive, carry, treat and dispose of wastewater which originates within the boundaries of [the customer]." Service agreements limit the peak hourly flow, average daily flow, and 30-day average flow from customers, and provide additional charges for excess capacity. The District's service agreements with TAFB and Anheuser-Busch can be found in the Agreement Archive on the District SharePoint site.

Fairfield-Suisun Sewer District

Sewer System Management Plan

Element 4: Operations and Maintenance Program

2025

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List of Terms & Abbreviations

ARV	Air release valve
CCTV	Closed-circuit Television
Cities	Cities of Fairfield and Suisun City
CIWQS	California Integrated Water Quality System
CMMS	Computerized Maintenance Management System
FSSD, District	Fairfield-Suisun Sewer District
GIS	Geographic Information System
NASSCO	National Association of Sewer Service Companies
O&M	Operations & Maintenance
PACP	Pipeline Assessment Certification Program
PM	Preventive Maintenance
SCADA	Supervisory Control and Data Acquisition
SERP	Spill Emergency Response Plan
SSMP	Sewer System Management Plan
SSO	Sanitary Sewer Overflow
SSS	Sanitary Sewer System
SSS WDR	Order No. 2022-0103-DWQ
SWRCB	State Water Resources Control Board
WDR	Waste Discharge Requirements
WWTP	Wastewater Treatment Plant

4 Operations and Maintenance Program

This element of the Sewer System Management Plan (SSMP) covers the operations and maintenance procedures of the District's sanitary sewer system as required by the State Water Resources Control Board (SWRCB) Statewide Waste Discharge Requirements (WDR) General Order for Sanitary Sewer Systems (SSS) Order No. 2022-0103-DWQ (SSS WDR) that was adopted on December 6, 2022 and became effective on June 5, 2023.

4.1 Updated Map of Sanitary Sewer System

SSS WDR Requirement:
An up-to-date map(s) of the sanitary sewer system, and procedures for maintaining and providing State and Regional Water Board staff access to the map(s). The map(s) must show gravity line segments and manholes, pumping facilities, pressure pipes and valves, and applicable stormwater conveyance facilities within the sewer system service area boundaries.

4.1.1 Mapping System

The District maintains a comprehensive Geographical Information System (GIS) using ESRI's ArcGIS applications with hybrid Enterprise Portal and ArcGIS Online web services. Datasets for its wastewater collection system includes gravity line segments, forcemains, manholes, pumping facilities, and other appurtenances. Additionally, GIS includes inspection, rehabilitation, and repair information for collection system assets. The District also has information in GIS for applicable stormwater drainage and conveyance systems in the service area, provided by its satellite systems, Fairfield and Suisun City (Cities). The Putah South Canal, which conveys raw water for local drinking water plants, is also shown on the maps and in GIS.

The District's Sewer MapViewer, along with other internal webmaps, is accessible to staff onsite and offsite via the secured Enterprise Portal. A multiple page PDF of the system is available on the server and SharePoint, and printed Sewer Mapbooks are stored in the closed-circuit television (CCTV) van and vactor truck, see **Figure 4.1-1** for an example below. A wall map is also printed and posted in the Engineering Department for quick in-person discussions.

Future GIS mapping improvements include: 1) adding a GIS layer to graphically track spills by location, date, severity; consolidating information from other District logs; and 2) adding a GIS layer to highlight the lowest elevation manhole near each pump station to identify potential spill locations in the event of a pump station failure. Both sets of information are currently documented in separate District repositories.

Table 4.1-1 lists a portion of the information included on the District's maps and in GIS. A more comprehensive list can be found in the District's GIS documentation. **Figure 4.1-1** provides an excerpt of a Mapbook page that is utilized by District collections staff to perform cleaning and inspections or to respond to spills.

Figure 4.1-1 Sewer Mapbook Excerpt (page 4648)

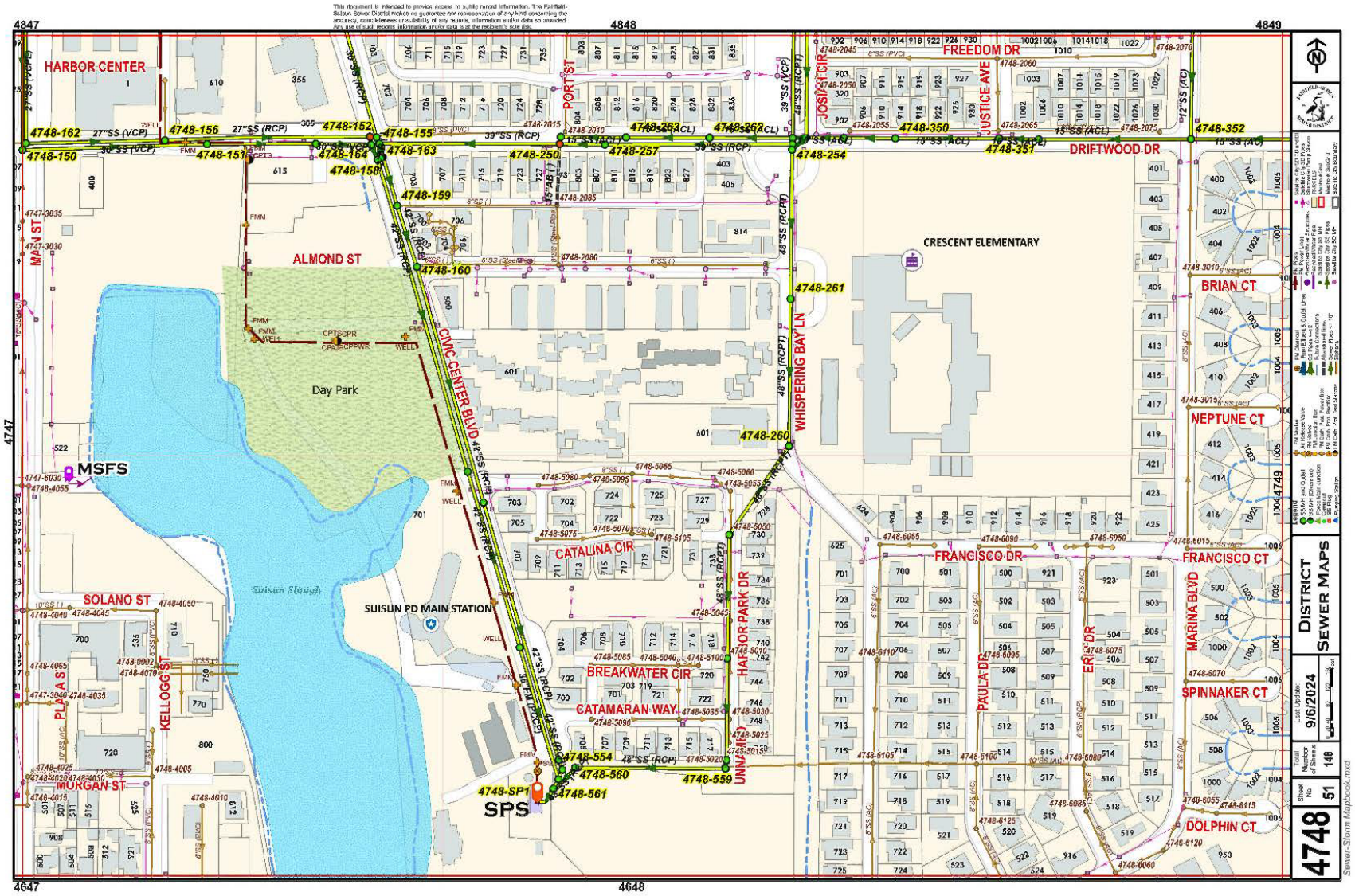


Table 4.1-1 Map and GIS Information

Asset Type	Information Included on Maps	Other Information Included in GIS
Gravity Sewers	Pipe ID Diameter Pipe Material Flow Direction Location, with reference to streets Type of pipe (e.g., siphon, sanitary sewer, stub, etc.) Cleanouts Status	Length CCTV Observations (i.e., defects) CCTV Run Reports (via hyperlink) Rehab/Repair Records Installation Date Cleaning Schedule and Zone Easement Info Notes Links to record drawings and other documents
Manholes	Manhole ID Location, with reference to streets Type (standard, diversion)	Rim and Invert Elevations Status Node Depth Survey Info Installation Year Notes Easement Info Links to record drawings and other documents
Pumping Facilities	Name Street Address Type of Building/Structure	Installation Year Links to record drawings and other documents
Forcemains	Pipe ID Diameter Pipe Material Flow Direction Location, with reference to streets Air Release Valve Locations Valve locations Cathodic protection facilities	Length Installation Year Elevation of Upstream and Downstream nodes Easement Info Links to record drawings and other documents

4.1.2 Procedures for Maintaining and Updating Maps

The District's Enterprise GIS is maintained by the GIS Coordinator working within the Engineering Department. Updates are ongoing for new sewer connections, existing facilities that have been rehabilitated or replaced, field redlines by staff, and data updates from satellite cities, and local agencies that impact the District's basemap. Regular updates are scheduled for Enterprise GIS application and system updates. The District requires electronic record drawing submittals of new residential and commercial developments. A SharePoint Collections System Redlines system is also in place to track redlines of field modified infrastructure or discrepancies between actual field conditions and GIS maps or drawings submitted by staff. The GIS Coordinator updates GIS and/or drawings accordingly or coordinates with satellite agencies to make sure map and GIS information are correct.

4.1.3 Remote Access to Mapping

As mentioned in Section 4.1.1, the Sewer MapViewer is accessible to staff onsite and offsite via the Enterprise Portal, and in ArcGIS Online with login credentials. A temporary View Only link can also be provided by request to project consultants, local agencies, instructors through the outreach programs, and/or the State and Regional Water Board staff. Maps in digital format (e.g., shape files) or hard copies can also be generated to provide updates to the State and Regional Water Board as requested or required.

4.2 Preventive Operation and Maintenance Activities

SSS WDR Requirement:

A scheduling system and a data collection system for preventive operation and maintenance activities conducted by staff and contractors.

The scheduling system must include:

- *Inspection and maintenance activities*
- *Higher-frequency inspections and maintenance of known problem areas, including areas with tree root problems*
- *Regular visual and closed-circuit television (CCTV) inspections of manholes and sewer pipes*
- *The data collection system must document data from system inspection and maintenance activities, including system areas/components prone to root-intrusion potentially resulting in system backup and/or failure*

4.2.1 Inspection and Maintenance Activities

Gravity Sewers

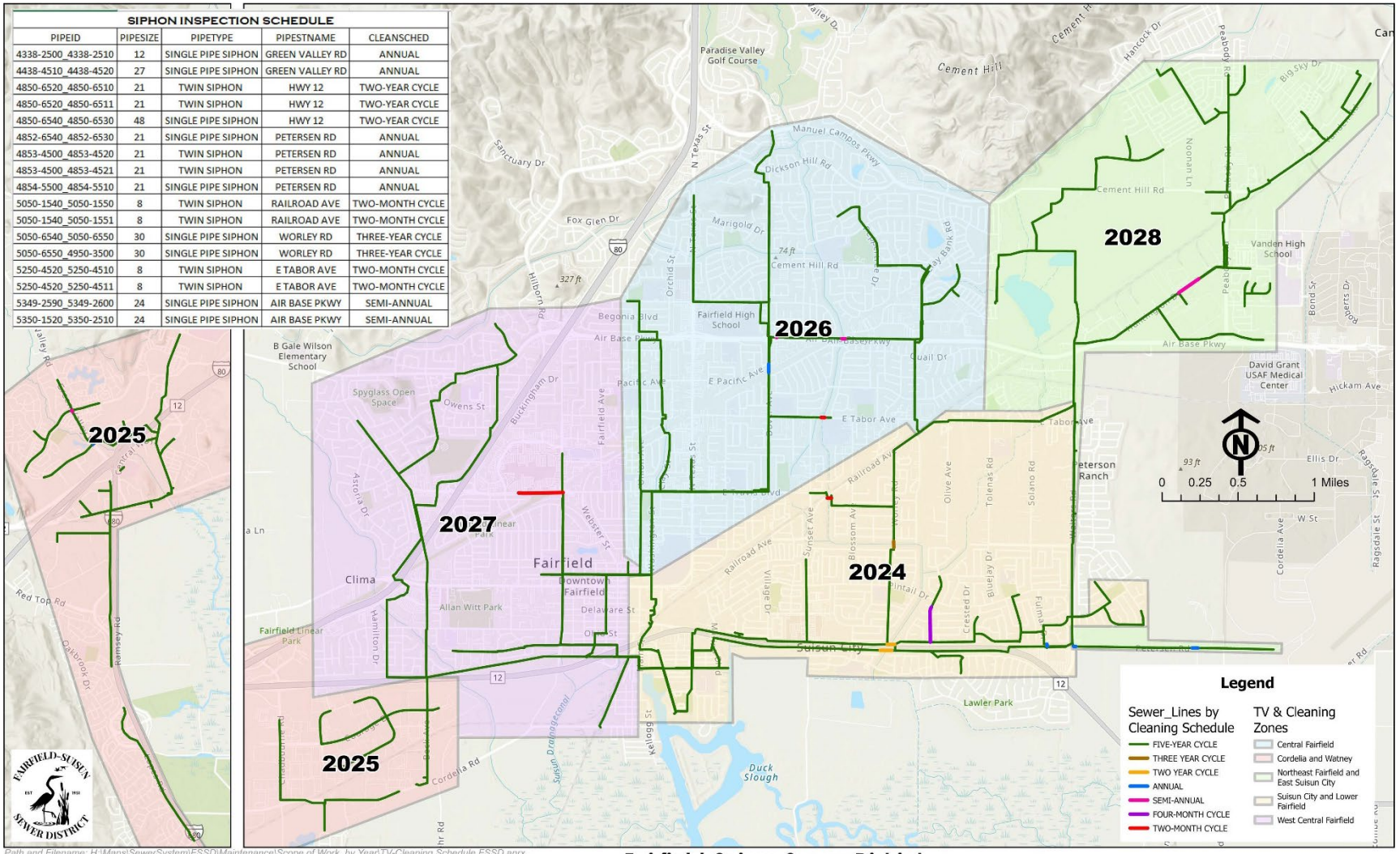
The District uses GIS and the CCTV sewer inspection software, WinCan, to coordinate and track sewer cleaning and inspection work. Annual cleaning and inspection scope is identified using an overview map created using GIS as shown in **Figure 4.2-1**. The District's service area is broken down into 5 major work zones for inspection and maintenance planning and completion. This allows the District to regularly inspect and maintain collections system assets on a recurring 5-year cycle. The overview map allows staff to communicate and confirm the specific lines to be inspected and maintained each year while tracking progress. If a given area is not inspected within the year, work continues until the area is complete before crews move on to the next area. The order of cleaning is generally upstream to downstream for each sewer branch. Line segments can be viewed in the GIS webmap viewer tool and CCTV video and inspection results are accessible via the WinCan system.

CCTV video is reviewed and annotated by collections staff using the National Association of Sewer Service Companies (NASSCO) Pipeline Assessment Certification Program (PACP) standards. The pipe size, material, and observed sewer defects are identified using PACP codes and entered into WinCAN. The staff hours associated with the cleaning and inspections are recorded in the Computerized Maintenance Management System (CMMS) software, Maintenance Connection. CCTV results (video and PACP scores) from the annual inspections are evaluated by engineering staff to identify, prioritize, and recommend work for incorporation into the annual Collections System Rehabilitation & Replacement Project.

Figure 4.2-1 Sewer TV & Cleaning Schedule

SIPHON INSPECTION SCHEDULE

PIPEID	PIPESIZE	PIPETYPE	PIPESTNAME	CLEANSCHED
4338-2500_4338-2510	12	SINGLE PIPE SIPHON	GREEN VALLEY RD	ANNUAL
4438-4510_4438-4520	27	SINGLE PIPE SIPHON	GREEN VALLEY RD	ANNUAL
4850-6520_4850-6510	21	TWIN SIPHON	HWY 12	TWO-YEAR CYCLE
4850-6520_4850-6511	21	TWIN SIPHON	HWY 12	TWO-YEAR CYCLE
4850-6540_4850-6530	48	SINGLE PIPE SIPHON	HWY 12	TWO-YEAR CYCLE
4852-6540_4852-6530	21	SINGLE PIPE SIPHON	PETERSEN RD	ANNUAL
4853-4500_4853-4520	21	TWIN SIPHON	PETERSEN RD	ANNUAL
4853-4500_4853-4521	21	TWIN SIPHON	PETERSEN RD	ANNUAL
4854-5500_4854-5510	21	SINGLE PIPE SIPHON	PETERSEN RD	ANNUAL
5050-1540_5050-1550	8	TWIN SIPHON	RAILROAD AVE	TWO-MONTH CYCLE
5050-1540_5050-1551	8	TWIN SIPHON	RAILROAD AVE	TWO-MONTH CYCLE
5050-6540_5050-6550	30	SINGLE PIPE SIPHON	WORLEY RD	THREE-YEAR CYCLE
5050-6550_4950-3500	30	SINGLE PIPE SIPHON	WORLEY RD	THREE-YEAR CYCLE
5250-4520_5250-4510	8	TWIN SIPHON	E TABOR AVE	TWO-MONTH CYCLE
5250-4520_5250-4511	8	TWIN SIPHON	E TABOR AVE	TWO-MONTH CYCLE
5349-2590_5349-2600	24	SINGLE PIPE SIPHON	AIR BASE PKWY	SEMI-ANNUAL
5350-1520_5350-2510	24	SINGLE PIPE SIPHON	AIR BASE PKWY	SEMI-ANNUAL



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Layout Name: SSMP Siphon Datasource: SiphonList_TVSchedule.xlsx
Date Printed: 1/22/2025 10:53 AM

Fairfield-Suisun Sewer District
Sewer TV & Cleaning Schedule 2024-2028

Pump Station Inspection

Pump station operation is monitored using a Supervisory Control and Data Acquisition (SCADA) system. Pump station alarms are transmitted to the SCADA operations console; treatment plant operators on rounds are notified via remote operations consoles or cell phone. SmartCovers serve as an independent secondary alarm notification system for pump station failures by notifying operators of high wet well levels.

District pump stations are inspected weekly, according to station size and operational needs, each station is checked at least twice a week, with some checked daily. Results of operational inspections are recorded on checklists that are specific to each pump station. Corrective maintenance work orders are issued for follow-up maintenance activities. Both scheduled and completed pump station preventive maintenance work is recorded in CMMS.

Forcemain Inspection

Forcemain right-of-ways, air release valves (ARVs), and rectifiers are inspected on a monthly basis. A plan for the inspection and condition assessment of the forcemains themselves are being developed as part of the 2025/26 collection system master planning effort as described in Section 8.2.1 of Element 8. Additionally, comprehensive annual surveys of corrosion control equipment are conducted, under contract, by a specialized corrosion firm. Corrective maintenance work orders are issued for follow-up maintenance activities.

4.2.2 Higher-Frequency Inspections & Known Problem Areas

While all gravity sewers are scheduled to be cleaned and inspected at least once every five years, some portions of the system are cleaned and/or inspected more frequently. Inverted siphons, line sags, sewers prone to periodic backups, areas with tree root problems, and sewers that have experienced grease-related spills are placed on an accelerated cleaning frequency. Hot spots are also assigned additional preventative maintenance (PM) tasks in CMMS to avoid potential blockage or overflow issues. Inspection frequencies are adjusted (increased or decreased) based on inspection observations and data.

4.2.3 Regular Visual and CCTV Inspections of Manholes and Sewer Pipes

Approximately one fifth of the District's gravity sewers are inspected annually. CCTV inspection of the specified sewers is conducted following cleaning of the same sewers. Gravity sewers with a blockage history are inspected annually. Cleaning frequency is adjusted as needed based on inspection results. The District's manholes are inspected on the same schedule as the associated sewer lines and NASSCO's Manhole Assessment Certification Program codes are used to identify conditions.

4.3 Training

SSS WDR Requirement:

In-house and external training provided on a regular basis for sanitary sewer system operations and maintenance staff and contractors. The training must cover:

- *The requirements of this General Order*
- *The Enrollee's Spill Emergency Response Plan procedures and practice drills*
- *Skilled estimation of spill volume for field operators*
- *Electronic CIWQS reporting procedures for staff submitting data*

4.3.1 Training Program for District Personnel

District staff are trained by attending conferences and seminars, and by in-house training. The District maintains records of employee training activities. The District and/or District staff are members of various industry organizations and regularly attend trainings and workshops offered by those groups. A non-comprehensive list of organizations and the types of training or online resources available are summarized below:

- Bay Area Clean Water Agencies (through the Collection Systems Committee) – SSS WDR, and Operations & Maintenance (O&M) practices of sister agencies
- California Water Environment Association – SSS WDR requirements, Spill Emergency Response Plan (SERP) development, spill estimation and emergency response practices (through the Collection Systems Committee)
- California Association of Sanitation Agencies – SSS WDR requirements
- State Water Resources Control Board – SSS WDR requirements, CIWQS reporting

The District also coordinates in-house training on general SSS WDR requirements and the SERP with staff from the Cities every two years.

4.3.2 Training Requirements for Contractors

The District requires outside contractors working on District sewer facilities to be adequately trained for the given scope of work. The District requires outside contractors working on District sewer facilities to develop a project-specific SERP to cover their work and to be instructed in notification requirements of the District's SERP. Refer to Element 6 Spill Emergency Response Plan of this SSMP for more information.

The specifications for sewer repair and rehabilitation projects include skill level, training, and certification requirements for contractors working with the collection system.

4.4 Equipment Inventory

SSS WDR Requirement:
An inventory of sewer system equipment, including the identification of critical replacement and spare parts.

Table 4.4-1 summarizes the major equipment utilized by the District for sewer cleaning and emergency response.

Table 4.4-1 Major Sewer System Equipment Inventory

Equipment Number	Major Equipment Type	Year Purchased
VE_CCT_2021	Combo Cleaner Truck	2021
VE_VAN_CCTV1	CCTV Camera Van	2007
PE_TP_39	10" Portable Godwin Pump	1999
PE_TP_37	6" Portable Godwin Pump	1999
PE_TP_38	6" Portable Godwin Pump	1999
PE_TP_44	2" Portable Trash Pump	2021

Equipment Number	Major Equipment Type	Year Purchased
PE_TP_1	2” Portable Trash Pump	2005
PE_TP_2	3” Portable Trash Pump	2005
PE_TP_41	4” Portable Trash Pump	2011
PE_TP_40	4” Portable Trash Pump	2015
PE_TP_43	4” Portable Trash Pump	2016
PE_GEN_4793	150 KW Portable Generator	2019
PE_GEN_4791	150 KW Portable Generator	2000
PE_GEN_4790	150 KW Portable Generator	2000
PE_GEN_4792	300 KW Portable Generator	2000
PE_GEN_WWCS	25 KW Portable Generator	1989

4.4.1 Gravity Sewer Cleaning Tools & Procedures

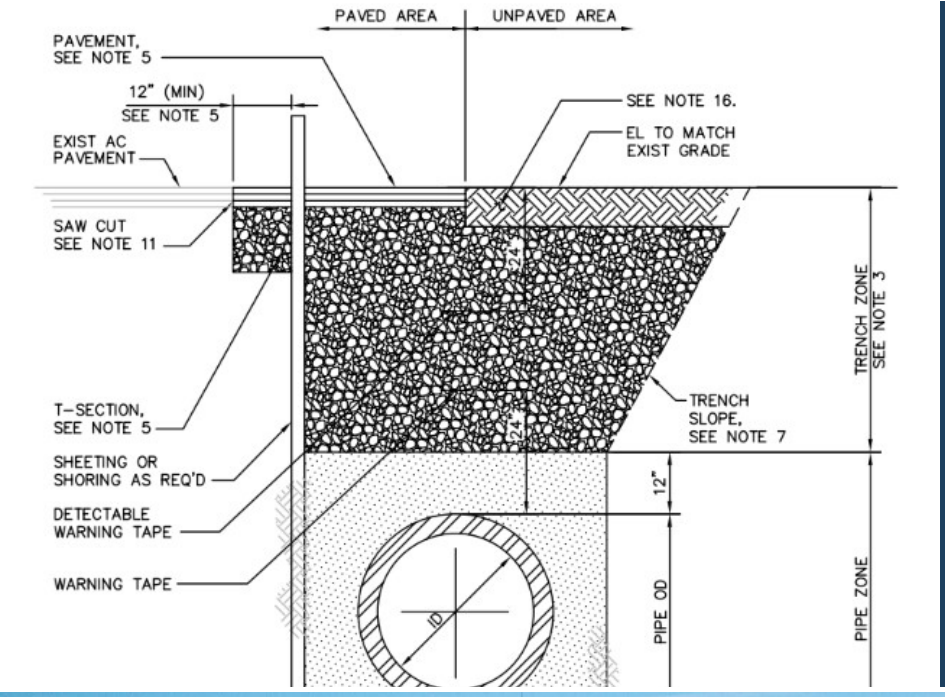
The District uses a combination truck with high powered hydro-jets and a vacuum system to scour sewer lines and remove debris from the collection system. The District maintains an inventory log of all sewer system equipment in CMMS, including spare parts. Locations of inventory items are well known by staff and readily accessible. Items are located in assigned storage locations, and inventory is managed by the O&M Procurement Specialist. Storage location is noted with the inventory item on CMMS. The O&M Procurement Specialist performs periodic inventory audits.

4.4.2 CCTV Equipment and Software

The District’s CCTV equipment is capable of televising up to 1,500 feet of sewer lines from 6 to 64 inches in diameter per manhole set up. The District’s CCTV van is outfitted with a battery that enables staff to operate CCTV equipment without the use of a generator. The District’s software is capable of digital video capture and can be integrated with the District’s GIS mapping systems, ESRI ArcGIS, giving the District the ability to generate reports and run queries on the CCTV inspection data.

4.4.3 Contingency Equipment

The City of Fairfield acts as First Responder for District spill response within the City of Fairfield and Suisun City. City response vehicles are equipped with the tools necessary to contain spills and restore flow. Sandbags are used to isolate or protect the storm water system. A combination (Vactor/Hydro) truck is used to capture and return sewage to the system, to restore flow in blocked lines, and to clean and restore the area. The District’s Maintenance Department maintains critical spare parts inventory which are managed in the CMMS.



Fairfield-Suisun Sewer District

Sewer System Management Plan

Element 5: Design and Performance Provisions

2025

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List of Terms & Abbreviations

FSSD, District	Fairfield-Suisun Sewer District
SSMP	Sewer System Management Plan
SSS	Sanitary Sewer System
SSS WDR	Order No. 2022-0103-DWQ
SWRCB	State Water Resources Control Board
WDR	Waste Discharge Requirements

5 Design and Performance Provisions

This element of the Sewer System Management Plan (SSMP) discusses the District's Design and Performance Provisions. This section fulfills the requirements of Element 5 of the State Water Resources Control Board (SWRCB) Statewide Waste Discharge Requirements (WDR) General Order for Sanitary Sewer Systems (SSS) Order No. 2022-0103-DWQ (SSS WDR) that was adopted on December 6, 2022 and became effective on June 5, 2023.

5.1 Updated Design Criteria and Construction Standards and Specifications

SSS WDR Requirement:
Updated design criteria, and construction standards and specifications, for the construction, installation, repair, and rehabilitation of existing and proposed system infrastructure components, including but not limited to pipelines, pump stations, and other system appurtenances. If existing design criteria and construction standards are deficient to address the necessary component-specific hydraulic capacity as specified in section 8 (System Evaluation, Capacity Assurance and Capital Improvements) of this Attachment, the procedures must include component-specific evaluation of the design criteria.

Standards pertaining to the design, construction, and inspection of gravity sewer systems, sewer forcemains, and other facilities to be operated and maintained by the District are included in the *Fairfield-Suisun Sewer District Pump Station and Collection System Design Standards, January 2016* (Design Standards). The intent of the Design Standards is to provide design engineers with information on the requirements and preferences for facilities to be owned and operated by the District. The Design Standards provide information on the type of facilities and equipment that are acceptable to the District. In addition to the requirements outlined in the Design Standards, projects must meet the requirements, set forth by the City of Fairfield, the City of Suisun City, and/or Solano County, as applicable.

Chapter VII of the Design Standards addresses the design and installation of "small submersible pump stations." The design standards for the small pump stations are used by developers, and are intended to give the District control over the quality and content of the design. For larger pump stations, the District determines the scope of work and hires a design engineer; thereby enabling District control over the pump station design in its entirety. Issues for larger pump stations like telemetry, redundancy, and emergency generators, however, are handled similarly to the small stations.

Chapters VIII and IX of the Design Standards address the design and installation of gravity sewers (12 inches in diameter or larger) and forcemains. The District does not own or operate any gravity sewers less than 12 inches in diameter. The standards include sizing; surveying; geotechnical; contract documents; pipeline materials and design; manholes; structures; and protective coatings.

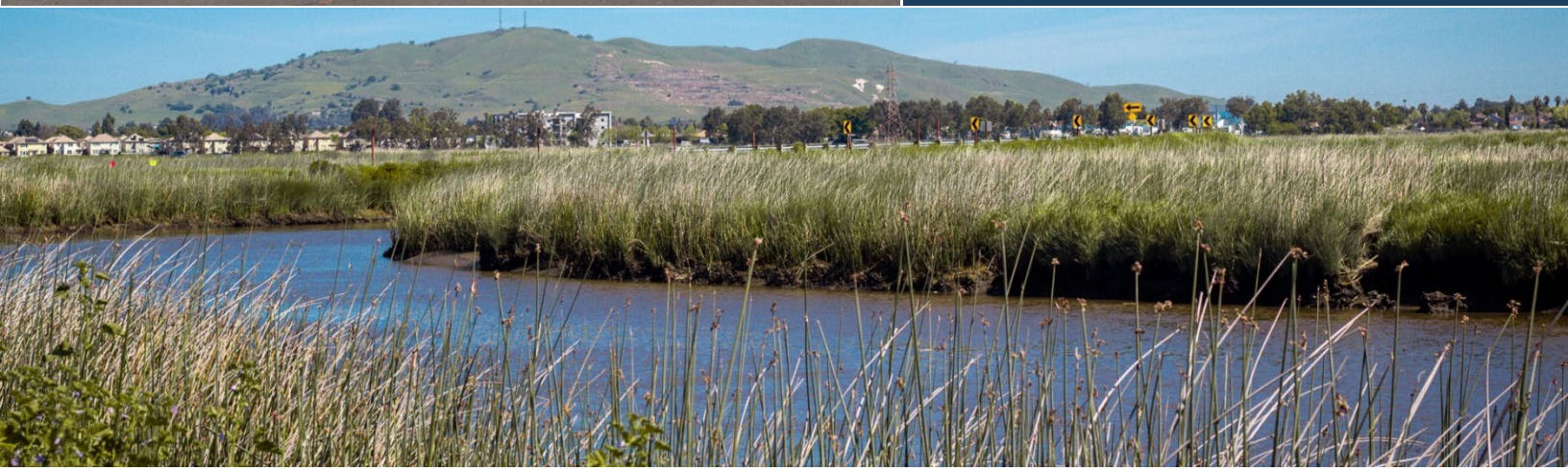
Engineering staff utilize the Design Standards continuously and have established a SharePoint folder to keep track of conflicts and needed changes so that they can be incorporated into future updates. The District's standards with respect to sewer rehabilitation are customized and provided in the contract documents that are prepared annually as part of the District's regular Collections System Rehabilitation & Replacement Project.

5.2 Procedures and Standards

SSS WDR Requirement:
Procedures, and standards for the inspection and testing of newly constructed, newly installed, repaired, and rehabilitated system pipelines, pumps, and other equipment and appurtenances.

Chapter VIII (Sections N, O, and P) and Chapter IX (Sections M and N) of the Design Standards provide field testing, inspection, and City/County coordination requirements for gravity sewers and manholes; and sewer forcemains, respectively.

The District uses a more specific set of design standards and specifications for the annual Collection System Rehabilitation and Replacement Project which has field testing and inspection requirements that are most appropriate for the included set of projects.



Fairfield-Suisun Sewer District

Sewer System Management Plan

Element 6: Spill Emergency Response Plan

2025

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List of Terms & Abbreviations

CalOES	California Office of Emergency Services
CCTV	Closed-Circuit Television
CIWQS	California Integrated Water Quality System
CMMS	Computerized Maintenance Management System
Cities	Cities of Fairfield and Suisun City
CSRMA	California Sanitation Risk Management Authority
FSSD, District	Fairfield-Suisun Sewer District
GIS	Geographic Information System
LRO	Legally Responsible Official
O&M	Operations & Maintenance
SERP	Spill Emergency Response Plan
Spill First Responder	First person or crew to arrive at a spill location
SCADA	Supervisory Control and Data Acquisition
SSMP	Sewer System Management Plan
SSS	Sanitary Sewer System
SSS WDR	Order No. 2022-0103-DWQ
SWRCB	State Water Resources Control Board
WDR	Waste Discharge Requirements

6 Spill Emergency Response Plan

6.1 Purpose

The purpose of the Spill Emergency Response Plan (SERP) is to support an orderly and effective response to sewage spills. The SERP provides guidelines for Fairfield-Suisun Sewer District (FSSD or District) personnel and other parties working on the District's behalf to follow in responding to, cleaning up, and reporting spills that may occur in the District's wastewater collection system.

This section fulfills the requirements of Element 6 of the State Water Resources Control Board (SWRCB) Statewide Waste Discharge Requirements (WDR) General Order for Sanitary Sewer Systems (SSS) Order No. 2022-0103-DWQ (SSS WDR) that was adopted on December 6, 2022 and became effective on June 5, 2023.

SSS WDR Requirement:
The Plan must include an up to date Spill Emergency Response Plan to ensure prompt detection and response to spills to reduce spill volumes and collect information for prevention of future spills. The Spill Emergency Response Plan must include procedures to:

- *Notify primary responders, appropriate local officials, and appropriate regulatory agencies of a spill in a timely manner*
- *Notify other potentially affected entities (for example, health agencies, water suppliers, etc.) of spills that potentially affect public health or reach waters of the State*
- *Comply with the notification, monitoring and reporting requirements of this General Order, State law and regulations, and applicable Regional Water Board Orders*
- *Ensure that appropriate staff and contractors implement the Spill Emergency Response Plan and are appropriately trained*
- *Address emergency system operations, traffic control and other necessary response activities*
- *Contain a spill and prevent/minimize discharge to waters of the State or any drainage conveyance system*
- *Minimize and remediate public health impacts and adverse impacts on beneficial uses of waters of the State*
- *Remove sewage from the drainage conveyance system*
- *Clean the spill area and drainage conveyance system in a manner that does not inadvertently impact beneficial uses in the receiving waters*
- *Implement technologies, practices, equipment, and interagency coordination to expedite spill containment and recovery*
- *Implement pre-planned coordination and collaboration with storm drain agencies and other utility agencies/departments prior, during, and after a spill event*
- *Conduct post-spill assessments of spill response activities*
- *Document and report spill events as required in this General Order; and*
- *Annually, review and assess effectiveness of the Spill Emergency Response Plan, and update the Plan as needed*

6.2 Responsibilities

During normal working hours, District Operations & Maintenance (O&M) staff are the Spill First Responders to any spill events associated with District sewer facilities. First Responders address failures of District pump stations, forcemains, or gravity sewers and may call on City of Fairfield crews to assist with containment and cleanup. District crews will assist Fairfield crews and take

over spill response and site restoration if needed. Spill First Responders should notify a member of the **FSSD Spill Response Team**, as soon as possible without jeopardizing the spill response.

Fairfield acts as Spill First Responders for after-hours spill events associated with District's sewer system within the District's service area which includes Fairfield, Suisun City, and limited parts of Solano County. Fairfield crews respond to the spill site, notify the District, and proceed with spill response activities (i.e., identify the cause of the spill, contain the spill, restore flow in the gravity system, and return spilled sewage to the system) until District staff arrive.

The District has designated the following staff members as Spill Responders and Spill Reporters, hereinafter referred to as "FSSD Spill Response Team" and "FSSD Spill Report Team," respectively:

Table 6.1-1 FSSD Spill Response Team

FSSD Spill Response Team		
Name	**Title**	**Cell / Text**
Dave Harrold	Maintenance Manager	(707) 365-1837
Doug Hollowell	Director of Operations & Maintenance	(707) 416-7260
Ben Carver	Operations Manager	(707) 580-8823

Table 6.1-2 FSSD Spill Report Team

FSSD Spill Report Team		
Name	**Title**	**Cell / Text**
Meg Herston	Director of Environmental Services	(925) 978-6358
Amanda Roa	Senior Engineer	(925) 334-6938
Jordan Damerel	General Manager/District Engineer	(925) 348-5505

Table 6.1-3 FSSD Risk Control Team

FSSD Spill Risk Control Team		
Name	**Title**	**Cell / Text**
Kimberly Kraft	Human Resources Manager	(707) 580-8163
James Russell-Field	Administrative Services Director	(801) 913-9484
Jordan Damerel	General Manager/District Engineer	(925) 348-5505

6.3 Spill Detection

6.3.1 Public Observation

Public observation is the most common way the District is notified of blockages, spills, and private sewage system failures. The City of Fairfield and Suisun City (Cities) and the District have websites with information for reporting. The Yellow Pages online lists Suisun City's City Hall as (707) 421-7340, City of Fairfield Public Works as (707) 428-7485, and the main number for the Fairfield-Suisun Sewer District as (707) 429-8930. The District's website also has a page related for sewer spills and an online form set up at Customer Service - Fairfield-Suisun Sewer District.

Normal Working Hours

The regular working hours for the District are Monday through Thursday from 8:00 a.m. to 5:00 pm, except holidays. The public can call the District at (707) 429-8930 during regular working hours. The District's phone number is posted at FSSD pump stations and forcemain facilities. The District also has an emergency/after office hours phone number (707) 631-9028 listed on its website which will contact the Lead Operator.

When a report of a sewer spill or backup is received, a District staff member takes the information, fills out the FSSD Customer Service Request Form (Appendix 6-B and available on SharePoint), and communicates the spill details to the **FSSD Spill Response Team**. If the incident is related to a City of Fairfield or Suisun City sewer facility, contact is made with the appropriate city staff as shown in **Figure 6.3-1**. If the spill is related to a District facility, FSSD staff will respond. If the District collection system crew needs assistance with initial response, containment, and/or clean up, the City of Fairfield field crew may be contacted to assist FSSD in the response. A SharePoint list of customer service requests in maintained online at Administrative Services - Customer Service.

After Hours

The on-call crews of the Cities respond to after-hours sewer-related service requests within their service areas. If an after-hours report of a possible spill is called in to the District's main phone number, the District's after-hours message directs callers to the Police Dispatch number of the city where the suspected spill occurred. Police Dispatch staff will contact city crews. If the incident is associated with a District facility, city field crews will begin field response efforts and notify the District.

The on-duty District Lead Operator handles after-hours sewer system incidents. For pump station issues, the Lead Operator will go to the site to assess the situation. If the Lead Operator cannot remedy the situation, the operator shall make contact with a member of the **FSSD Spill Response Team**. **FSSD Spill Response Team** members will decide what additional crews will be dispatched. For spills from gravity lines or forcemains, the Lead Operator will initiate City of Fairfield First Responders and then contact a member of the **FSSD Spill Response Team**. If a spill has occurred, as soon as possible but without jeopardizing prompt spill containment efforts, the **FSSD Spill Report Team** is contacted to begin external notifications.

The City of Fairfield acts as the District's after-hours spill First Responder within the District's service area which includes Fairfield, Suisun City, and limited parts of unincorporated Solano County. When necessary, the District will initiate City of Fairfield First Responders by calling the Fairfield Police Dispatch who then calls the on-call responders. Only District Staff can initiate dispatch of City of Fairfield crews for response to District spills within Suisun City. Suisun City is to be notified when City of Fairfield crews will be working within Suisun City limits.

6.3.2 Alarms

The District's pump stations are connected to a Supervisory Control and Data Acquisition (SCADA) system. SCADA alarms are monitored in the Control Room of the operations building. If alarms are not acknowledged, an auto-dialer calls the Lead Operator cell phone (carried by each shift lead operator) with information on the pump station alarm. In addition, the alarm can also be monitored at other SCADA screens throughout the plant and locally at individual pump stations.

Each pump station has a SmartCover level sensor which communicates to a remote monitoring website operated by Hadronex (the SmartCover manufacturer). The SmartCovers are a backup to the SCADA alarm system for pump stations. SmartCovers are also located on three critical

manholes in the collection system; one grease hot-spot, and two sewer siphons. The SmartCover monitoring system will send a text message or e-mail to the operations staff at the District if a high level alarm is triggered.

If the alarm indicates that a spill is imminent or occurring, the operator will take steps as noted above.

6.3.3 Staff Observation

District staff conduct periodic inspections of FSSD sewer system facilities as part of their routine operations and preventive maintenance program. If a spill is observed by District staff, a member of the **FSSD Spill Response Team** is contacted.

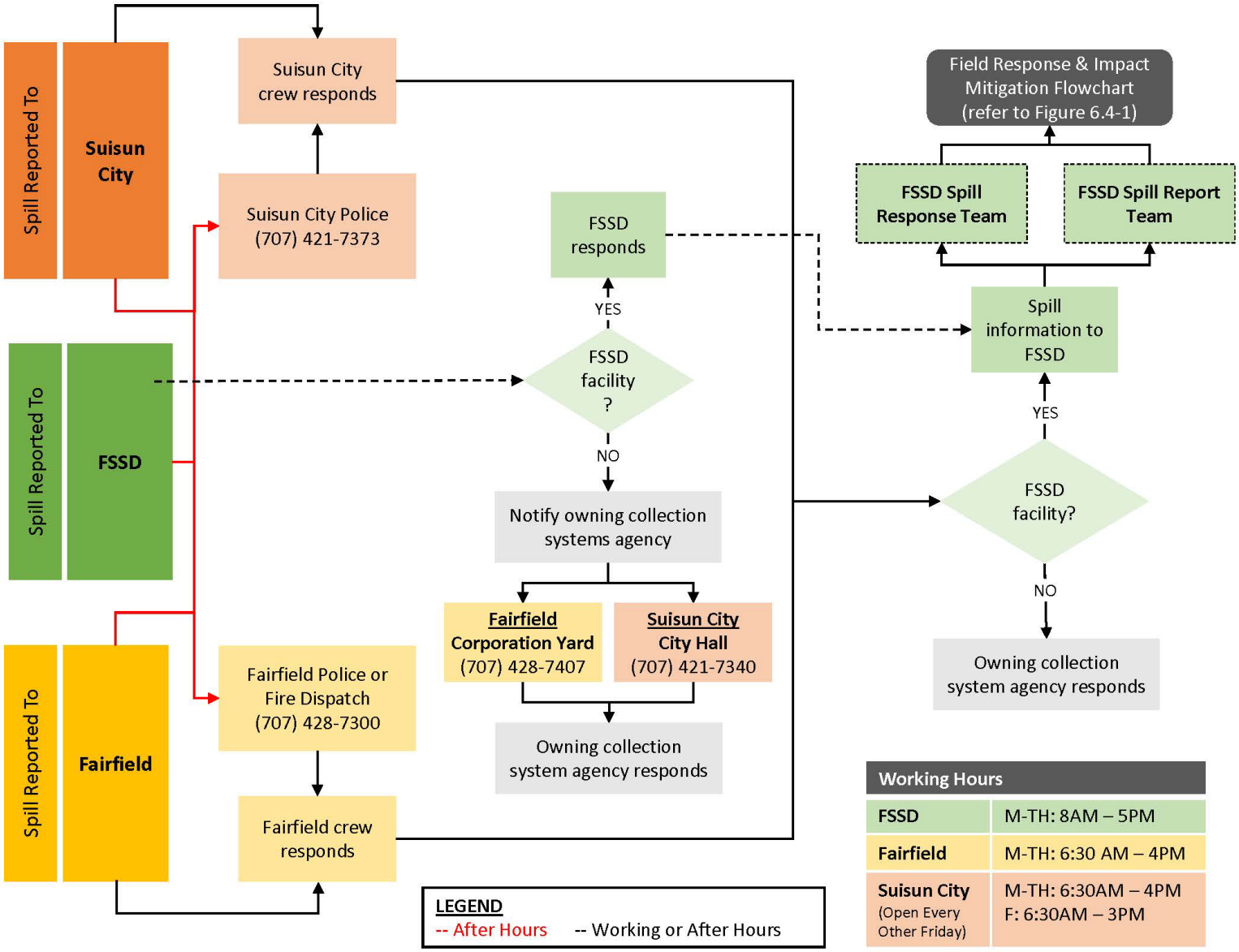
A flowchart illustrating the spill detection, notification, and response communication processes for Fairfield, Suisun City, and the FSSD is shown in **Figure 6.3-1**. Phone numbers shown in the flowchart are for internal use to contact or notify the Cities. Descriptions of FSSD's spill detection and notification processes are included in the paragraphs below.

6.3.4 Contractor Observation

Contractors working on or around the District sewer system will be informed of contractor responsibilities when a spill is caused or observed by the contractor. The following steps should be taken if a contractor causes or witnesses a spill:

1. Notify the District at (707) 429-8930 during working hours and (707) 631-9028 after normal business hours and provide the following information:
    a. Date and time the contractor first noticed the spill
    b. Description of the contractor's observations, including whether the spill has reached surface waters or a drainage conveyance system
    c. Contractor's contact information
2. Prevent the spill from entering storm drains
3. Keep the public away from the spill
4. Direct all media and public questions to the District

Figure 6.3-1 Spill Detection and Notification Flowchart



6.4 Spill Response

The goal of the Sewer System Management Plan (SSMP) is to mitigate the impact of spills by employing procedures to ensure a prompt and effective response to every sewer system event. Sewer calls are considered high priority calls that demand a prompt response to the location of the problem. The District's goal is to respond to sewer system events within 30 minutes for events occurring during normal business hours, and within 1 hour for events occurring after hours.

The response procedure flowchart is shown in **Figure 6.3-2.**

6.4.1 Spill Response Priorities

The Spill First Responder's priorities are:

- To follow safe work practices (including hazardous material procedures)
- To respond promptly with the appropriate equipment
- To contain the spill wherever feasible
- To restore the flow as soon as practicable
- To minimize public access to and/or contact with the spilled sewage
- To promptly notify the **FSSD Spill Response Team** of preliminary spill information, need for additional help, and potential impacts
- To return the spilled sewage to the sewer system whenever possible
- To restore the area as close as possible to its original condition
- To document efforts for all of the above without jeopardizing the response

6.4.2 Safety

Spill responders are responsible for following appropriate safety procedures at all times. Sewer work and spill response may require special safety precautions such as confined space entry, hazardous atmospheres, fall hazards, and traffic hazards. District staff responding to a sewer spill should take the appropriate time to discuss safety issues, check safety equipment, and consider the order of work before proceeding with spill response.

If there are access restrictions or unsafe conditions that prevent compliance with the spill response or monitoring requirements in the SSS WDR, District staff should document the access restrictions and/or safety hazards so they can be included in the spill report.

6.4.3 Initial Response

The First Responders and/or other response personnel must respond to the spill site and visually check for potential sewer stoppages or overflows. The First Responders will assess the situation, begin spill response effort, and as soon as possible without jeopardizing spill response efforts, begin documentation as described in Section 6.7, and the notification process described in Section 6.6. All District sewer system calls regarding lift stations, alarms, and reports of sewer backups, stoppages, or overflows require a response to the reported incident location.

First Responder duties:

1. Respond to the site as soon as possible and assess the site for safety considerations.
2. If the spill is anything other than sewage, call the County HazMat Team. See Appendix 6-A for contact information. The First Responder should not participate in hazardous material spill cleanup other than for traffic/perimeter control, blocking off drains, or removal of low quantity/low hazard materials.

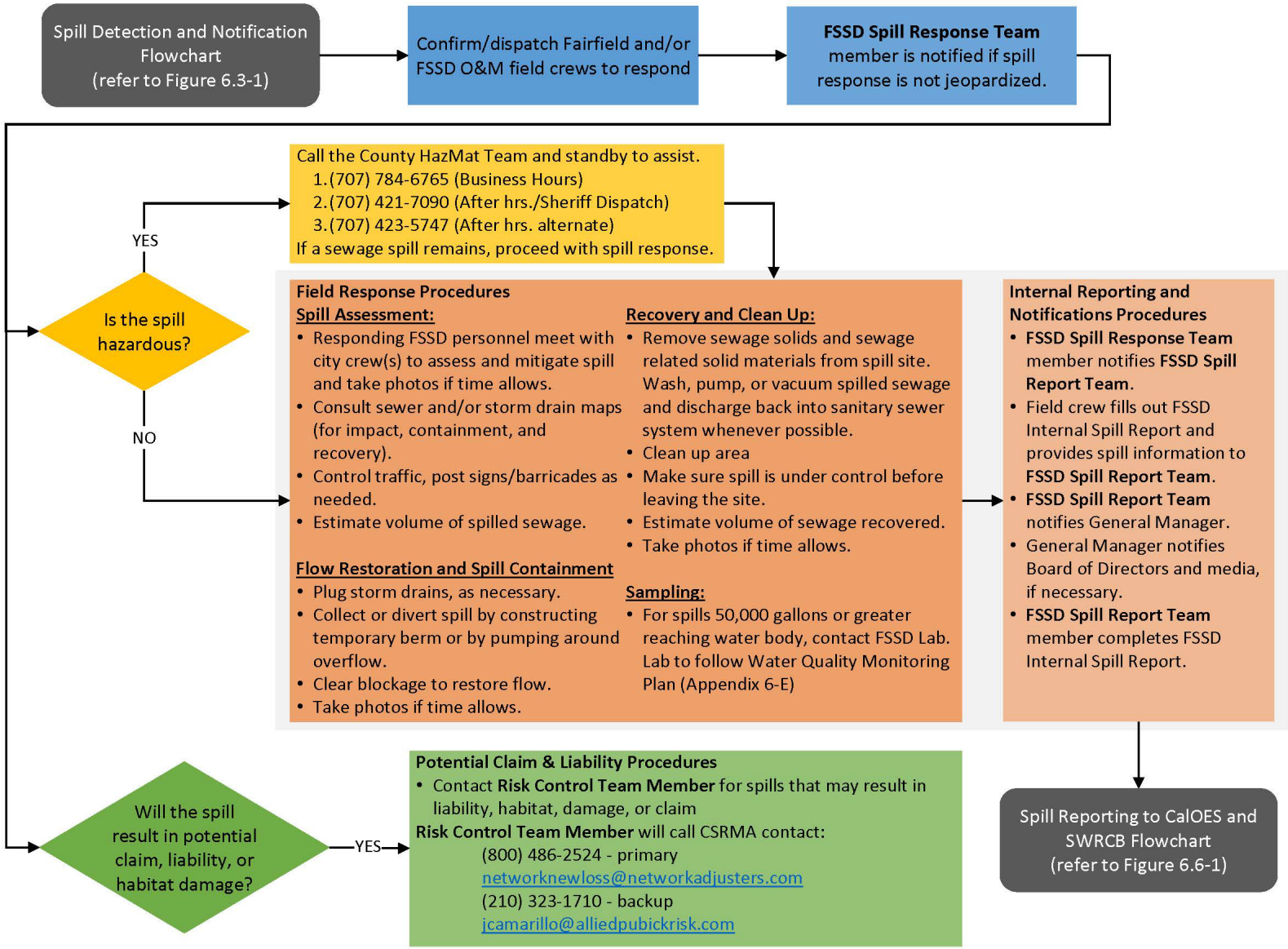
3. Verify the existence of a sewer system spill or backup.
4. Note arrival time, document conditions with photographs when time allows, contact person who reported the spill if time permits.
5. When possible, talk to witnesses who may be able to help pinpoint the spill start time.
6. Identify and assess the affected area and extent of spill. Refer to sanitary sewer system and storm drain system maps as necessary.
7. If additional help is needed, contact additional crews, or a private contractor as appropriate. See Appendix 6-A for personnel contact information for each of the agencies.
8. Call for additional help if the spill appears to be large, in a sensitive area, or there is doubt regarding the extent, impact, or how to proceed.
9. Assess the situation to determine whether to proceed with clearing the blockage to restore the flow or to initiate containment measures; First Responders must use professional judgment but the following may be used as guidance:
    a. Small spills (less than 1,000 gallons) – proceed with clearing the blockage.
    b. Moderate or large spill (1,000 to 50,000 or greater) where containment is anticipated to be easy – begin with the containment measures and once contained, restore flow.
    c. Moderate or large spills where containment is anticipated to be difficult – proceed with clearing the blockage and/or restoring flow, however, call for additional assistance to implement containment measures.
10. If private property damage is involved contact a member of the **FSSD Risk Control Team**. A Risk Control Team member will contact the California Sanitation Risk Management Authority (CSRMA) as necessary if damage to private property occurs and if damage to public property has the potential for claims liability. See Appendix 6-A for contact information.

6.4.4 Initiation of Spill Containment Measures

The District's goal is to contain and to return spilled sewage to the sanitary sewer system whenever possible. Spill responders should make every effort possible to contain the spilled sewage using these and other steps as necessary:

1. Determine the immediate destination of the overflowing sewage. Consult sanitary sewer system and storm drain system maps (GIS Mapviewer or printed Mapbooks) and Google Maps/Earth as necessary to identify affected areas and ability to achieve containment.
2. Review sewer maps for possible temporary upstream flow bypass or pump-around locations.
3. Plug storm drains using air plugs, sandbags, and/or plastic to contain the spill, whenever appropriate.
4. Divert spill away from storm drains and surface water by building a small berm to change direction of flow back to the sewer system. Use spill containment booms, dirt, and/or sandbags.
5. Contain the spilled sewage by building a temporary berm, or dam using sandbags, plastic sheeting, and/or soil.
6. If overflowing sewage has made contact with the storm drainage system, make every effort to contain the spilled sewage by plugging the storm drain at the next downstream storm drainage inlet or manhole.

Figure 6.4-1 Field Response and Impact Mitigation Flowchart



6.5 Recovery and Clean Up

The recovery and clean up phase begins when the flow has been restored and the overflow of sewage has been stopped.

6.5.1 Estimate the Volume of Spilled Sewage

Use the methods outlined in Appendix 6-F, including the San Diego Manhole Spill Rate Chart, to estimate the volume of the spilled sewage. Responders may document the estimate using photos of the spill site before during and after the recovery operation. Record the amount of wash-down water when used.

6.5.2 Recovery of Spilled Sewage

Employ best efforts to wash, pump, or vacuum up the spilled sewage and return it back into the sanitary sewer system.

6.5.3 Clean Up

Clean up procedures should be implemented to reduce the potential for human health issues and adverse environmental impacts that are associated with a spill event. The procedures described are for dry weather conditions and should be modified as appropriate for wet weather conditions.

Hard Surface Areas

Collect all signs of sewage solids and sewage-contaminated solid materials with the use of shovels, rakes, grabbers and brooms or other manual means. Contain and wash down the affected area with clean water until the water runs clear. Contain and vacuum up the wash-down water or return the water to the sewer system. Record the amount of wash-down water used.

Landscaped and Unimproved Natural Vegetation

Collect all signs of sewage solids and sewage-contaminated solid materials with the use of shovels, rakes, and grabbers or other manual means. Vacuum up all pooled sewage.

Exposure to sunlight and soil will naturally inactivate bacteria found in sewage. Wash-down water may not be necessary in unimproved or vegetated areas but if used, all wash-down water should be vacuumed up or returned to the sewer system. If needed, record the amount of wash-down water used.

Allow the area to dry. Inspect area for any remaining signs of sewage contamination. Repeat the process if additional cleaning is warranted.

Natural Waterways

Clean up should proceed quickly in order to minimize negative impact. Collect all signs of sewage solids and sewage-contaminated solid materials with the use of shovels, grabbers, buckets or other manual means. The vacuum truck may be used to suck up sewage from the water body if the water body is accessible and if it is deemed that the sewage has not already been diluted to a point where removal will have little impact. Bacteria found in natural water habitat and exposure to sunlight will naturally inactivate bacteria found in sewage.

6.6 Public Notification

The California Office of Emergency Services (CalOES) notifies other agencies of a reported spill, including Solano County Environmental Health after receiving notification from the District. The local health officer and the director of environmental health have been charged by State law (California Water Code Section 13271) to determine whether notification of the public is required to safeguard public health and safety. The local health officer and director of environmental health are best qualified to determine the need and method of public notification and safeguard in the event of a sewage spill. The District has prepared a sewage spill warning sign, see Appendix 6-G. The District will follow the direction of the local health officer in assisting with public notification (e.g., posting warning signs).

The District's spill reporting procedures ensure that primary responders and regulatory agencies are informed of all spills in a timely manner.

6.6.1 Internal Notifications

District staff can be made aware of a spill by the SCADA system, by SmartCover alarms, by the public, or by the public works department of either city. City public works staff are provided with a call list with District contacts for normal business hours and after-hours, Appendix 6-D. Once notified, a member of the **FSSD Spill Report Team** will report the spill event to the General Manager. The General Manager may notify the Board of Directors and the media, as determined on a case-by-case basis. Contact information for FSSD internal reporting and notifications is included in Appendix 6-A.

6.6.2 External Spill Notification and Reporting

The external spill reporting procedures described below are intended to meet the requirements of the SWRCB.

2-Hour Notification to California Office of Emergency Services

For any spill that discharges in or on any waters of the State, or discharges or is deposited where it is, or probably will be, discharged in or on any waters of the State, a member of the **FSSD Spill Report Team** will notify CalOES as soon as possible but no later than two (2) hours after:

- FSSD has knowledge of the spill
- Notification can be provided without substantially impeding cleanup or other emergency measures

After providing the following information to CalOES, FSSD will receive a control number, which will be recorded and used for spill documentation and reporting.

1. Name and phone number of the person notifying CalOES
2. Estimated spill volume (gallons)
3. Estimated spill rate from the system (gallons per minute)
4. Estimated discharge rate (gallons per minute) directly into waters of the State or indirectly into a drainage conveyance system
5. Spill incident description:
    a. Brief narrative of the spill event
    b. Spill incident location (address, city, and zip code) and closest cross streets and/or landmarks
6. Name and phone number of contact person on-scene
7. Date and time the District was informed of the spill event
8. Name of sanitary sewer system causing the spill

9. Spill cause or suspected cause (if known)
10. Amount of spill contained
11. Name of receiving water body receiving or potentially receiving discharge
12. Description of water body impact and/ or potential impact to beneficial uses

Following the initial notification to CalOES and until such time that FSSD certifies the spill report in the online California Integrated Water Quality System (CIWQS) Sanitary Sewer System Database, a member of the **FSSD Spill Report Team** shall provide updates to CalOES regarding substantial changes to:

- Estimated spill volume (increase or decrease in gallons initially estimated)
- Estimated discharge volume discharged directly into waters of the State or indirectly into a drainage conveyance system (increase or decrease in gallons initially estimated)
- Additional impact(s) to the receiving water(s) and beneficial uses

6.6.3 Spill Categories

Category 1

A spill of any volume of sewage from or caused by a sanitary sewer system regulated under the SSS WDR that results in a discharge to:

- A surface water, including a surface water body that contains no flow or volume of water or
- A drainage conveyance system that discharges to surface waters when the sewage is not fully captured and returned to the sanitary sewer system or disposed of properly

Any spill volume not recovered from a drainage conveyance system is considered a discharge to surface water, unless the drainage conveyance system discharges to a dedicated stormwater infiltration basin or facility.

A spill from District-owned and/or operated lateral that discharges to a surface water is a Category 1 spill.

Category 2

A Category 2 spill is a spill of 1,000 gallons or greater, from or caused by a sanitary sewer system regulated under the SSS WDR that does not discharge to a surface water.

A spill of 1,000 gallons or greater that spills out of a lateral and is caused by a failure or blockage in the sanitary sewer system, is a Category 2 spill.

Category 3

A Category 3 spill is a spill of equal to or greater than 50 gallons and less than 1,000 gallons, from or caused by a sanitary sewer system regulated under the SSS WDR that does not discharge to a surface water.

A spill of equal to or greater than 50 gallons and less than 1,000 gallons, that spills out of a lateral and is caused by a failure or blockage in the sanitary sewer system is a Category 3 spill.

Category 4

A Category 4 spill is a spill of less than 50 gallons, from or caused by a sanitary sewer system regulated under the SSS WDR that does not discharge to a surface water.

A spill of less than 50 gallons that spills out of a lateral and is caused by a failure or blockage in the sanitary sewer system is a Category 4 spill.

6.6.4 Spill Reporting to CIWQS - Timeframes

A member of the **FSSD Spill Report Team** will submit spill reports and "No Spill" Certifications in the online CIWQS Sanitary Sewer System Database. Figure 6.6-1 presents a flowchart for external spill notifications and spill reporting to CIWQS.

Category 1 Spill Reports

All spills that meet the above criteria for Category 1 shall be reported to the CIWQS Sanitary Sewer System Database:

- Within three (3) business days of the District's knowledge of a Category 1 spill, the District will submit a Draft Spill Report to the online CIWQS Sanitary Sewer System Database
- Within 15 calendar days of the spill end date, the District will submit a Certified Spill Report for Category 1 spills, to the online CIWQS Sanitary Sewer System Database

Category 2 Spill Reports

All spills that meet the above criteria for Category 1 shall be reported to the CIWQS Sanitary Sewers System Database:

- Within three (3) business days of the District's knowledge of a Category 2 spill, the District will submit a Draft Spill Report to the online CIWQS Sanitary Sewer System Database
- Within 15 calendar days of the spill end date, the District will submit a Certified Spill Report for Category 1 spills, to the online CIWQS Sanitary Sewer System Database

Category 3 Spill Reports

FSSD will report and certify all Category 3 spills to the online CIWQS Sanitary Sewer System Database within 30 calendar days after the end of the month in which the spills occurred. (For example, all Category 3 spills occurring in the month of February shall be reported and certified by March 30th).

Category 4 Spill Reports

FSSD will report and certify the estimated total spill volume exiting the sanitary sewer system, and the total number of all Category 4 spills to the online CIWQS Sanitary Sewer System Database, within 30 calendar days after the end of the month in which the spills occurred.

"No Spill" Certification

If no spills occur during a calendar month, FSSD will certify, within 30 calendar days after the end of each calendar month, a "No-Spill" certification statement, in the online CIWQS Sanitary Sewer System Database, certifying that there were no spills within the calendar month.

Category 4 Spills Certification

If only Category 4 spills occur during a calendar month, the District will certify, within 30 calendar days after the end of each calendar month, a "Category 4 Spills" certification statement, in the online CIWQS Sanitary Sewer System Database, certifying that there were only Category 4 Spills that will be reported annually for the designated month

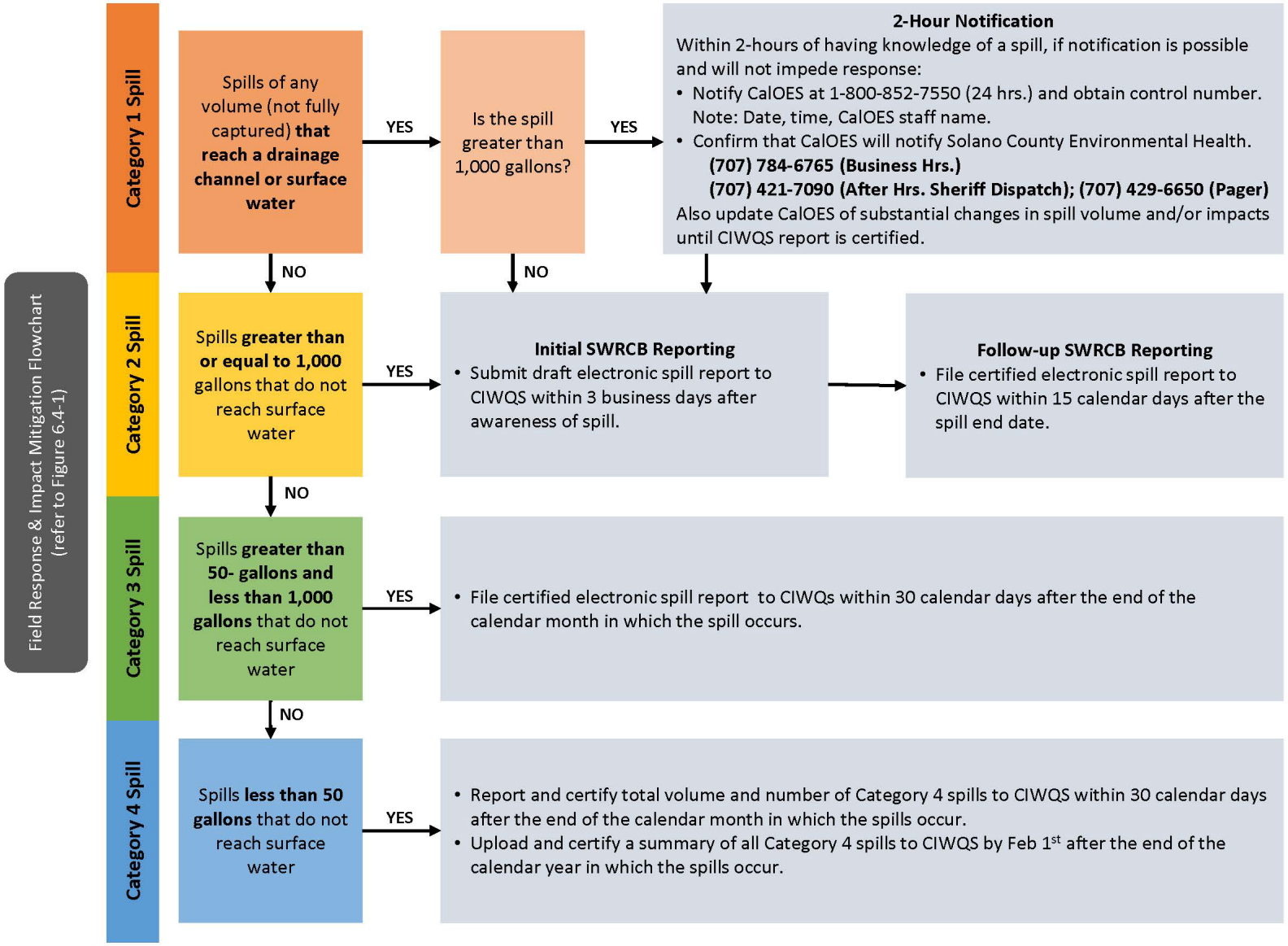
If a spill starts in one calendar month and ends in a subsequent calendar month, and the District has no further spills of any category, in the subsequent calendar month, the District will certify "no-spills" for the subsequent calendar month.

Amended Certified Spill Reports

Within 90 calendar days of the certified Spill Report due date, the District will update or add additional information to a certified Spill Report by amending the report or by adding an attachment to the Spill Report in the online CIWQS Sanitary Sewer System Database. A District Legally Responsible Official (LRO) will certify the amended report.

After 90 calendar days, a member of the **FSSD Spill Report Team** will contact the SWRCB at SanitarySewer@waterboards.ca.gov to request to amend a certified Spill Report. The District shall submit justification for why the additional information was not reported within the 90-day timeframe for amending the certified Spill Report, as provided above.

Figure 6.6-1 Spill Reporting to CalOES and SWRCB



6.6.5 Spill Technical Report

For any spill in which 50,000 gallons or greater discharges into a surface water, within 45 calendar days of the spill end date, FSSD will submit a Spill Technical Report to the online CIWQS Sanitary Sewer System Database. The Spill Technical Report, at minimum, must include the following information:

Spill Causes and Circumstances:

1. Complete and detailed explanation of how and when the spill was discovered
2. Photographs illustrating the spill origin, the extent and reach of the spill, drainage conveyance system entrance and exit, receiving water, and post-cleanup site conditions
3. Diagram showing the spill failure point, appearance point(s), the spill flow path, and ultimate destinations
4. Detailed description of the methodology employed, and available data used to calculate the discharge volume and, if applicable, the recovered spill volume
5. Detailed description of the spill cause(s)
7. Description of the pipe material, and estimated age of the pipe material, at the failure location
8. Description of the impact of the spill
9. Copy of original field crew records used to document the spill
10. Historical maintenance records for the failure location

FSSD Response to Spill:

1. Chronological narrative description of all actions taken by the District to terminate the spill
2. Explanation of how the SERP was implemented to respond to and mitigate the spill
3. Final corrective action(s) completed and a schedule for planned corrective actions, including:
    a. Local regulatory enforcement action taken against an illicit discharge in response to this spill, as applicable,
    b. Identifiable system modifications, and operation and maintenance program modifications needed to prevent repeated spill occurrences, and
    c. Necessary modifications to the SERP to incorporate lessons learned in responding to and mitigating the spill.

Water Quality Monitoring:

1. Description of all water quality sampling activities conducted
2. List of pollutant and parameters monitored, sampled and analyzed
3. Laboratory results, including laboratory reports
4. Detailed location map illustrating all water quality sampling points
5. Other regulatory agencies receiving sample results (if applicable)

Impacts of Spill:

1. Evaluation of spill impact(s), including a description of short-term and long-term impact(s) to beneficial uses of the surface water

6.6.6 Private Lateral Sewage Spills

Discharges of untreated or partially treated wastewater resulting from blockages or other problems within a privately owned sewer lateral connected to the District's sanitary sewer system or from other private sanitary sewer system assets may be voluntarily reported to the

CIWQS Sanitary Sewer System Database. The District does not report private spills to the CIWQS spill database.

6.6.7 External Spill Reporting Contact Information

External spill reporting is the responsibility of the **FSSD Spill Report Team**. The External Agencies table in Appendix 6-A summarizes the contact information for each of the agencies requiring external reporting.

6.7 Spill Documentation

The **FSSD Spill Report Team** will complete the FSSD Spill Report Form and will make the final determination of spill volume, unless otherwise instructed by the General Manager. For spills equal or greater than 50,000 gallons, the General Manager may prepare or designate staff to prepare the required Technical Report.

A document set is created in SharePoint for each individual spill including the following items when applicable:

- Sewer Complaint Form (Appendix 6-B)
- FSSD Internal Spill Report Form (Appendix 6-C)
- Calculations for spill volume estimate
- Water quality sampling and test results, when performed.
- Technical Report, when required.

6.8 Water Quality Monitoring

Water quality sampling will be performed when an estimated discharge of 50,000 gallons or greater is discharged into a surface water or not fully recovered from a storm drain. Refer to Appendix 6-E, Water Quality Monitoring Plan. The District may assist the Cities with water quality sampling and may train city staff in proper sample collection. The Water Quality Monitoring Plan shall contain the following provisions:

1. Protocols for water quality monitoring.
2. Within 18 hours of becoming aware of the spill, samples may be taken for:
    a. Ammonia
    b. Appropriate bacterial indicator(s)
        i. Freshwater
        ii. For spills to freshwater, sample for E. Coli.
    c. Non-Freshwater
        i. For spills to the Bay, sample for enterococcus.
        ii. For spills to Bay segments with the SHELL beneficial use, sample for total coliform or fecal coliform. See Basin Plan Table 2-1.
3. Sampling procedures to account for spill travel time in the surface water and scenarios where monitoring may not be possible (e.g., safety, access restrictions, etc.).
4. Water quality analyses shall be performed by an accredited or certified laboratory.
5. Monitoring instruments and devices used to implement the Spill Water Quality Monitoring Program shall be properly maintained and calibrated, including any records to document maintenance and calibration, as necessary, to ensure their continued accuracy.

6.9 Emergency Response Equipment

This section discusses the specialized equipment used to implement the SERP.

6.9.1 Sewer and Storm Drain System Maps

Sewer and storm drain system maps or knowledge of the system may be relied upon to determine the location of the problem, to help identify the extent of spill, and to determine how to contain the spill.

6.9.2 Portable Pumps and Piping

Portable pumps and piping can be used to pump around blockages/failed facilities and to bypass a failed pump station or forcemain. The District's Computerized Maintenance Management System (CMMS) contains a list of portable pumps. The District's Pump Station Bypass Pumping – Minor Pump Stations file includes prioritized options and equipment selections for each of the smaller pump stations. The larger pump stations, Cordelia, Central and Suisun rely on other contingency strategies. The District maintains a Pump Station Contingency SharePoint site to house information useful in the response to spills. The site includes contingency planning equipment and procedures.

6.9.3 Sewer Cleaning Equipment

The District owns and operates a combination vactor/hydro truck for the scheduled cleaning of District gravity sewers. This equipment can also be used to clean up spills.

6.9.4 CCTV Inspection Equipment

The District owns and operates CCTV trucks for the inspection of District's sewer system and the satellite systems of the City of Fairfield, and City of Suisun City.

6.9.5 Emergency Response Equipment Provided by Fairfield

Fairfield provides the following equipment when responding to spill events:

- Service Truck with containment tools and materials
- Combination Vactor/Hydro Truck
- Excavation and Repair Equipment

6.9.6 Emergency Response Equipment Provided by Suisun City

Suisun City provides the following equipment when responding to spill events:

- Service Truck with containment tools and materials
- Combination Cleaner (trailer mounted)

6.10 Spill Response, Reporting, and Mitigation Training

This section provides information on SERP training.

6.10.1 Training

District personnel responsible for gravity sewer, pump station, and forcemain system operations & maintenance will be trained in spill emergency response. The training will be updated when changes in procedures or requirements occur. Training documentation may include date, time, name of trainer(s), names of attendees and a summary of training content.

6.10.2 Spill Response Drills

Periodic training drills may be held to ensure that employees are up to date on the procedures, the equipment is in working order, and the required materials are readily available. The training drills will cover scenarios typically observed during sewer related emergencies (e.g., mainline blockage and lift station failure). Training documentation may include date, time, name of trainer(s), names of attendees and a summary of training content.

6.10.3 Record Keeping

The following records shall be maintained for a minimum of five (5) years and shall be made available for review by the State and Regional Water Boards during an onsite inspection or through an information request:

1. General Records: Records, (including maintenance records) shall be maintained to document compliance with all provisions of the SSS WDRs for all FSSD collection system assets, including any required records generated by sanitary sewer system contractor(s).
2. Spill Records: Records shall be maintained for each spill event, including but not limited to:
    a. Records documenting the response to all notifications of possible or actual spills, both during and after business hours, including complaints that do not result in spills. Each record shall, at a minimum, include the following information:
        i. Date, time, and method of notification
        ii. Date and time the caller or informant first noticed the spill
        iii. Narrative description of the incident, including any information the caller can provide regarding whether or not the caller or informant reporting the potential spill knows if the spill has reached surface waters, drainage channels or storm drains
        iv. Follow-up return contact information for caller of informant for each call received, if not reported anonymously
        v. Final resolution of the report / incident
    b. Records documenting steps and/or remedial actions undertaken, using all available information, to comply with the SSS WDRs (document actions to contain spill, restore flow, recover sewage, clean up site, make necessary system modifications to prevent future spills at same location/asset, notify the public and protect the public from exposure to sewage)
    c. Records documenting how all estimate(s) of volume(s) discharged and, if applicable, volume(s) recovered were calculated. Methods for estimating spill volumes, including the San Diego Manhole Spill Rate Chart, are included in Appendix 6-F. The method used to estimate spill volume will be documented and kept on fill with the spill documentation form. Documentarians will investigate spill start time
3. Records documenting all changes made to the SSMP since its last certification indicating when a subsection(s) of the SSMP was changed and/or updated and who authorized the change or update. These records shall be attached to the SSMP.
4. Electronic monitoring records relied upon for documenting spill events and/or estimating the spill volume discharged, including, but not limited to records from:
    a. SCADA systems
    b. Alarm system(s)
    c. Flow monitoring device(s) or other instrument(s) used to estimate wastewater levels, flow rates and/or volumes

6.10.4 Contractors Working on District Sewer Facilities

The District's design standards require contractors working on District sewer facilities to develop a project-specific sewer OERP (Overflow Emergency Response Plan) for their work. The contractor's OERP includes procedures for notifying the appropriate District personnel in the event of a spill. All contractor personnel are required to receive training on the Contractor's OERP and to follow the Contractor's OERP in the event of a spill. All Contractor personnel are to be trained on the OERP and documentation of such training shall be provided to the District. The aforementioned requirements will be updated by Spring 2025, with rewritten language in the design standards and contract specifications. This includes use of the updated terminology Spill Emergency Response Plan (SERP) to replace "OERP" and an updated checklist of minimum required contents.

Appendix 6-A: SERP Contacts

External Agencies

Agency	Phone	Notes
California Office of Emergency Services	(800) 852-7550 (24 hrs) (916) 262-1261	CalOES operator will provide a Control Number and will notify other agencies of the spill. *(RWQCB Regional 2, California Department of Fish and Wildlife, U.S. Fish and Wildlife Service, Solano County Environmental Health, Department of Toxic Substances Control, U.S. Environmental Protection Agency)*
Solano County Department of Resource Management/ Environmental Health Division	(707) 784-6765 (Business Hours) (707) 421-7090 (After Hours Sheriff Dispatch) (707) 423-5747 (After Hrs/Alternate)	For coordination of public notification/signage if requested, or if hazardous materials are involved with the spill
State Water Resources Control Board	https://ciwqs.waterboards.ca.gov/ (need login and password)	Spills are reported electronically to the online CIWQS Sanitary Sewer System Database
Carl Warren and Co.	(855) 763-5898 (24 hours) (725) 502-6701 (Alan's Cell, 24 hours) (657) 622-4200 (Carl Warren Main Line) csrmaclaims@carlwarre.com	For spills that may result in liability, habitat, damage, or claim

Partner Agencies

Agency/ Company	Department/Title	Contact Name	Cell Phone	Office Phone	Email
Fairfield-Suisun Sewer District	General Manager	Jordan Damerel	(925) 348-5505	(707) 428-9155	jdamerel@fairfieldsuisunsewer.ca.gov
	Director of Operations & Maintenance	Doug Hollowell	(707) 416-7260	(707) 428-9122	dhollowell@fairfieldsuisunsewer.ca.gov
	Director of Environmental Services	Meg Herston	(925) 978-6358	(707) 428-9109	mherston@fairfieldsuisunsewer.ca.gov
	Engineering Manager	Irene O'Sullivan	(510) 409-5702	(707) 428-9139	iosullivan@fairfieldsuisunsewer.ca.gov
	Maintenance Manager	Dave Harrold	(707) 365-1837	(707) 428-9156	dharrold@fairfieldsuisunsewer.ca.gov
	Operations Manager	Ben Carver	(707) 580-8823	(707) 428-9143	bcarver@fairfieldsuisunsewer.ca.gov
	Lab Manager	Nicole Van Aken	(805) 801-5758	(707) 428-9153	nvanaken@fairfieldsuisunsewer.ca.gov
	Senior Engineer	Amanda Roa	(925) 334-6938	(707) 428-9159	aroa@fairfieldsuisunsewer.ca.gov
	Operations Supervisor	Akli Belaidi	(707) 704-4793	(707) 428-9115	abelaidi@fairfieldsuisunsewer.ca.gov
	GIS Coordinator	Nellie Dimalanta	(925) 818-5331	(707) 428-9140	ndimalanta@fairfieldsuisunsewer.ca.gov
	Lead Operator, 24/7	Shift	(707) 631-9028	--	--
	Second Operator, 24/7	Shift	(707) 631-0850	--	--

Agency/ Company	Department/Title	Contact Name	Cell Phone	Office Phone	Email
City of Fairfield	Public Works Supervisor	Eddie Franke	(707) 249-1251	(707) 428-7057	efranke@fairfield.ca.gov
	Public Works Supervisor	Adam Rudolph	(707) 249-8583	(707) 428-7054	arudolph@fairfield.ca.gov
	Water and Sewer Division Manager (Interim)	Peter Peirce	(707) 249-1257	(707) 428-7563	ppeirce@fairfield.ca.gov
	Operations Superintendent	Vacant	--	--	--
	Public Works Director	Sanjay Mishra	(707) 249-6018	(707) 428-7477	smishra@fairfield.ca.gov
	Public Works After Hours Dispatch	**Police Non-Emergency**	--	(707) 428-7300	--
City of Suisun City	Corporation Yard Dispatch	Staff	--	(707) 421-7340	PWM@suisun.com
	Public Works Superintendent	Jim Herrod	(707) 580-0625	(707) 421-7349	jherrod@suisun.com
	Street Supervisor	Vacant	--	--	--
	Public Works After Hours Dispatch	**Police Non-Emergency**	--	(707) 421-7373	PDDispatch@suisun.com
Solano Irrigation District (SID)	M&I Operations Supervisor	Josh Hendrickson	(707) 249-8492	(707) 455-4025	jhendrickson@sidwater.org
	Maintenance Supervisor	Martin Garica	(707) 249-6056	(707) 455-4050	mgarcia@sidwater.org
	After-Hours Duty Supervisor	**Duty Supervisor**	(707) 673-6682	--	--

CUSTOMER SERVICE REQUEST FORM

Date: _____

Time of Call:_____AM/PM

☐Voice Mail

Call Taker: _____

Problem	Responder	Day
Sewer Overflow – FSSD	**DH / MH**	**M- F**
Sewer Overflow – non-FSSD	**City**	
Odor Complaint	**BC / D.H.**	**M- F**
Construction Related	**City/County**	
Illegal Dumping	**City/County**	
Other	**MH**	**M- F**

SECTION A: Caller Information

☐Anonymous Caller ☐Caller Does Not Request Contact

Caller Name:_____ Telephone No.: _____

What is the concern? _____

_____

_____

When did it occur, when first noticed (Date/Time)? _____

Where did it occur? (Exact street address or street intersection) _____

City/Jurisdiction: (City/County) _____

Did spill reach storm drain or surface water? (Y/N) _____

NOTE TO CALL TAKER: At this point, call appropriate staff/agency, do NOT leave a message. For FSSD staff, ask if they need a map and/or information in PDF.

SECTION B: Follow up

☐Caller Contacted, Date/Time:_____By: _____

Comments: _____

_____

_____

_____

SECTION C: For Sewer Overflow Issues Only

Jurisdiction:
- ☐ **FSSD**
- ☐ **County**
- ☐ **Satellite Suisun City**
- ☐ **Satellite Suisun City/Private**
- ☐ **Satellite Suisun City/Unknown**
- ☐ **Satellite Fairfield/Private**
- ☐ **Satellite Fairfield**
- ☐ **Satellite FF/Unknown**

Cause:
- ☐ **Grease**
- ☐ **Debris**
- ☐ **Flooding**
- ☐ **Improper Plug/Flow Control**
- ☐ **Roots**
- ☐ **Pump Station Down**
- ☐ **Other, see comments**

NOTES:

Owning Collection System Agency Telephone Numbers (make verbal contact with one individual in the order listed)

	City of Fairfield Public Works Dept.	
During Business Hours	Corp. Yard Dispatch Press 5 to bypass menu	707-428-7407
	Pete Pierce	707-249-1257
	Eddie Franke (Backup for Pete)	707-428-7057
	George Shimboff	707-249-1253
After Hours	**Fairfield Police Dept.:**	707-428-7300

	City of Suisun City Public Works Dept.	
During Business Hours	Gemma Geluz	707-421-7349
	Melesio Perez	707-580-0628
After Hours	**Suisun Police Dept.:**	707-421-7373

Solano County Resource Management
707-784-6765

Solano Irrigation District	
Suisun City Leak Response	707-448-6847

Abbreviation Key:

BC = Ben Carver

DH = Dave Harrold

D.H. = Doug Hollowell

MH = Meg Herston

Appendix 6-C

File: RW-200.170.30

(Separate file/tab for each SSO)

FSSD INTERNAL SPILL REPORT FORM

FOR SSOS > 50,000 GALLONS, SEE TECHNICAL REPORT REQUIREMENTS IN SSMP ELEMENT 6 – OVERFLOW EMERGENCY RESPONSE PLAN.

1. Overflow Sequential Number (YYYY - ###): _____ - _____

2. Spill Type: Cat-1 ☐ Cat-2 ☐ Cat-3 ☐

3. CIWQS final Certification #_____

4. Person Completing this Form: Name: _____

   Date Form Completed: _____ /_____ /_____ (mm/dd/yy)

5. Name and Title of contact for answering specific questions about SSO

   Name/Title/Phone#: _____

6. SSO was reported to District by (Caller):

   Name: _____Phone:_____

   Address: _____

7. SSO Reported to District: Date: _____ /_____ /_____ (mm/dd/yy)Time: _____ (24 hour)

8. If Caller was called back: Date: _____ /_____ /_____ (mm/dd/yy)Time: _____ (24 hour)

9. Overflow Started: Date: _____ /_____ /_____ (mm/dd/yy)Time: _____ (24 hour)

10. Response Crew at Site: Date: _____ /_____ /_____ (mm/dd/yy)Time: _____ (24 hour)

11. Overflow/ backup confirmed: Date: _____ /_____ /_____ (mm/dd/yy)Time: _____ (24 hour)

12. Overflow Ended: Date: _____ /_____ /_____ (mm/dd/yy)Time: _____ (24 hour)

13. Overflow Duration: _____ (Decimal Hours)

14. Spill Site Address: _____

15. Description of Spill Area (paved, grassy, public, private, flat, sloped)

_____

_____

_____

16. Number of Appearance Points _____ If multiple appearance points, use GPS coordinates of appearance point closest to failure point and describe other appearance point locations here:

_____

Longitude (Decimal Degrees): _____

Latitude (Decimal Degrees): _____

17. Overflow contains anything other than sewage? _____ (Y or N)

18. County HazMat and/or Fire Department contacted? _____ (Y or N)

If yes, Date: _____ /_____ /_____ (mm/dd/yy) Time: _____ (24 hour)

19. Weather Conditions (Circle One): Sunny Cloudy Rainy Raining Several Days

Was spill associated with storm event? (Y or N) Additional Information:

_____

_____

_____

20. Were overflow conditions documented with photographs? (Y or N)

#21-#24: SPILL VOLUME, FOR ALL CAT- 1 SSOS: DOCUMENT THE METHOD AND DATA USED TO ESTIMATE VOLUME/FLOW RATE. DATA MAY INCLUDE SCADA DATA, ALARMS, AND FLOW MONITORING DEVICES. ATTACH OR INCLUDE IN SSO FILE.

21. Estimated Overflow Flow Rate: _____ (Gallons per Minute)

22. Estimated Total Overflow Volume: _____ (Gallons)

23. Overflow Volume Recovered: _____ (Gallons), Fully Recovered (Y or N)

24. Overflow Volume Released: _____ (Gallons)

25. Sewer Facility that Overflowed (Circle One):

Manhole Pipe Pump Station Other: _____

If Pump Station, Specify the Name: _____

26. If the Facility was a Pipe or Manhole, Complete the Following: NA ☐

Overflowing MH #: _____

Pipe Size: (inches) _____ Material: _____ Age: _____

27. Overflow Cause (Circle All that Apply):

Roots	Vandalism	Line Break	High Flow (Surcharge)
Grease	Power Failure	Manhole Failure	Pump Station Failure
Debris	Construction	Flood Damage	Private Lateral
Unknown	Other (Specify) _____		

#28-31 ARE FOR CAT-1 AND CAT-2 SSOS ONLY, MUST BE COMPLETED TO CERTIFY CIWQS REPORT

28. Detailed Description of Cause: _____

_____

_____

29. Is there an ongoing Investigation_____ (Y or N) Expected Completion Date:_____/_____/_____(mm/dd/yy)

    Reasons for the ongoing Investigation: _____

30. Detailed Description of Cleanup Response Activities:

    _____

    _____

    _____

    Spill Response Completed, Date: _____ /_____ /_____ (mm/dd /yy)

31. Description of Corrective Measures Taken or Planned and Target Date for Completion of Major Milestones:

    _____

    _____

    _____

    _____

#32AND 33 ARE FOR CAT-1 > 50,000 GALLONS

32. Water Quality Samples taken:

    Ammonia ☐ Fecal Coliform ☐ Not Applicable ☐

33. Water Quality Analytical Results Sent to:

    Regional Board ☐ Solano Env. Health ☐ Cal. Fish & Wildlife ☐

    City of Fairfield ☐ City of Suisun ☐ Not Applicable ☐

34. List Personnel Contacted (e.g., FSSD, Fairfield, Suisun City, Contractor, CSRMA)

    Name: _____Phone: _____

    Name: _____Phone: _____

    Name: _____Phone: _____

    Name: _____Phone: _____

35. List All Personnel Responding To Spill: _____

    _____

    _____

    _____

36. Did the Sanitary Sewer Overflow Enter a Storm Drain? _____ (Y or N)

37. Did the Sanitary Sewer Overflow Reach Surface Waters Other Than a Storm Drain? ___ (Y or N)

38. Final Spill Destination (Circle All That Apply): Storm Drain Captured in Storm Drain

    Building/Structure Yard/Land Street/Curb & Gutter Surface Water Impact

    Ground Water No Water Involved Drainage Channel Unknown

39. Name of Final Receiving Waters, if un-named say tributary to and identify first downstream named water body. (If None, State None): _____

40. Describe the Final Destination of Sewage: _____

    _____

    _____

    _____

41. Is there is an ongoing investigation? _____ (Y or N). If yes, state reasons and expected complete on date:

Completion Date: _____ /_____ /_____ (mm/dd/yy)

Reason(s) _____

EXTERNAL NOTIFICATIONS

42. Agencies Notified (Check All Notified):

☐ Cal OES (Cat-1 >1,000 gallons only, reaches surface waters):

Cal OES Control Number _____

Date: _____ /_____ /_____ (mm/dd/yy) Time: _____ (24 hour)

Cal OES Contact Name: _____

☐ RWQCB

Date: _____ /_____ /_____ (mm/dd/yy) Time: _____ (24 hour)

Regional Board Contact Name: _____

☐ Solano County Department of Resource Management/Environmental Health Division

Date: _____ /_____ /_____ (mm/dd/yy) Time: _____ (24 hour)

Health Officer Name: _____

43. Name of Person Making Notifications: _____

44. Others Notified (Specify): _____

_____

PUBLIC WARNING

WARNING SIGNS WILL TYPICALLY BE AS DIRECTED BY THE SOLANO COUNTY ENVIRONMENTAL HEALTH OFFICER

45. Were Signs Posted to Warn of Contamination? _____ (Y or N), If Yes:

    Date Posted: _____ /_____ /_____ (mm/dd/yy) Date Removed: _____ /_____ /_____ (mm/dd/yy)

46. Public Beach or Recreation Access Closure (Y or N) If yes, include name:_____

47. Additional Comments: _____

_____

_____

_____

_____

_____

_____

_____

_____

Appendix 6-D: FSSD SERP Contacts for use by Cities

This Appendix provides information for use by the City of Suisun City and City of Fairfield Spill Response Teams if a spill is reported in FSSD's sewer system.

During Normal Business Hours:

To notify FSSD of a sewer spill from FSSD facilities, call persons in the order listed below. If no answer, leave a detailed message and call the next person until voice contact is made.

After hours:

First contact Operator(s) cell. If no answer, leave a detailed message and call Dave Harrold; if no answer, leave a detailed message and continue down the list until voice contact is made.

Agency/ Company	Department/Title/Description	Contact Name	Cell Phone	Office Phone
Fairfield-Suisun Sewer District	Maintenance Manager	Dave Harrold	(707) 365-1837	(707) 428-9156
	Lead Operator Cell, manned 24/7	Lead Operator	(707) 631-9028	--
	Second Operator Cell, 24/7	Second Operator	(707) 631-0850	--
	O&M Director	Doug Hollowell	(707) 416-7260	(707) 428-9122
	Director of Environmental Services	Meg Herston	(925) 978-6358	(707) 428-9109
	Senior Engineer	Amanda Roa	(925) 334-6938	(707) 428-9159
	General Manager	Jordan Damerel	(925) 348-5505	(707) 428-9155
	FSSD General Number	--	--	(707) 429-8930

Appendix 6-E: Spill Sampling Procedures

Document ID: PROC-Sampling-SSO
Revision 1.0
Effective: 2/10/2025

SSO Sampling Instructions

1. Take samples during daylight hours and during business hours (M-F, 8am to 2pm) when possible. **You have 18 hours from knowledge of the discharge to collect samples.**

2. **Do not sample alone.**

3. **Call Caltest (707) 258-4000 x 36** to schedule a same-day pickup or let them know you will be dropping off E.Coli samples. E.Coli must be analyzed within 8 hours of collection.

4. Grab the Emergency Sampling Kit (SSO Kit), located in the Laboratory Microscope Room, first cabinet. You will need to take the 12-foot sampling device which is cleaned and bagged (adjacent to the refrigerator), and several ice packs.

5. Once at the site, determine the location of the spill. Make a diagram of the area with the locations clearly identified (a notebook is included with the clipboard). Mark each of the bottles you plan to use for the sampling with the proper site identification, date, time of sampling, and the sampler's initials. Use gloves at all times when handling the sample.

6. The four (4) required sample locations are:

    a. Drainage Conveyance System (DCS-001): A point in the sewer system prior to the SSO discharge. (this is straight wastewater from our pipe or lift station)

    b. Receiving Water (RSW-001E): A point in the receiving water where the sewage enters the water body.

    c. Receiving Water Upstream (RSW-001U): A point in the receiving water that is upstream of where the sewage enters. You will need to determine which direction the water body is flowing and sample from a point free of sewage.

    d. Receiving Water Downstream, RSW-001D: A point in the receiving water where sewage is fully mixed with the receiving water.

7. At each location use a fresh pair of gloves and plan to sample for Bacti first, followed by the preserved sample (pint w/H2SO4).

    a. Use bungee cords to attach the sample bottles to the sampling device. The bacti sample must be drawn directly into the bacti container up to the l00mL line. If you go over the 100 mL line carefully pour off the sample to the line, cap, label, and place into the bag. A stainless steel beaker is provided to collect the other sample which may be poured from the beaker into the preserved pint.

    b. Take extra precaution when sampling Bacti so as not to contaminate the sample. Be sure to attach the bottle firmly to the pole. When ready to take the sample remove the protective seal and lid without touching the inside of the lid or the lip of the bottle.

REVISION HISTORY

Revision #	Effective Date	Action
1.0	February 10, 2025	New document

Approved By: _____ **Date:** Jan 31, 2025

By my signature, I acknowledge that I have received and reviewed this procedure:

	Jan 31, 2025
Quality Manager	Date
	Jan 31, 2025
Technical Manager	Date
	Jan 31, 2025
Lab Analyst	Date
Raymona (Jan 31, 2025 11:38 PST)	Jan 31, 2025
Lab Analyst	Date
Jennifer Vo (Feb 5, 2025 10:12 PST)	Feb 5, 2025
Lab Technician	Date

Attachment 1- Sampling Kit Contents

EMERGENCY SAMPLING KIT CONTENTS

- Safety glasses
- Clipboard
- Indelible Pens and markers
- Notebook
- Chain of Custody
- Small, Medium and Large Gloves
- 5 sample bottle kits (1 H_2SO_4 bottle + 2 bacti bottles), color coded
- Bungee cords (bagged)
- Lab towels
- Stainless steel sample bucket
- Large Zip Ties
- 2 extra, unpreserved bottles for sample collection
- Map with sample location explanations

Annual kit update:

1. **Replace all gloves and bottles**
2. **Verify all contents are present**

Lab ID: _____

CHAIN OF CUSTODY

Attachment 2: SSO COC

Client: Fairfield-Suisun WWTP 1010 Chadbourne Rd. Fairfield, CA 94534 DATE: _____	Sample Acceptance Criteria: Samples in proper containers?_____Sample containers in good condition?_____ Samples rec'd within hold time?_____Sufficient sample volume collected?_____ Samples preserved correctly?_____Containers rec'd on ice (Cont. ID):_____

Sample Name	Sample ID	Sample Time	Initials	Obs. Temp. °C	Cont. ID	Sample Container	Preserv.	Recv Time	Initials	Testing
Drainage Conveyance System, DCS-001					-01A	150/Sterile Plastic	<6 degC			Ecoli
					-01B	150/Sterile Plastic	<6 degC			Entero
					-01C	500/Plastic	H2SO4, <6 degC			Ammonia
Receiving Water, RSW-001E					-02A	150/Sterile Plastic	<6 degC			Ecoli
					-02B	150/Sterile Plastic	<6 degC			Entero
					-02C	500/Plastic	H2SO4, <6 degC			Ammonia
Receiving Water Upstream, RSW-001U					-03A	150/Sterile Plastic	<6 degC			Ecoli
					-03B	150/Sterile Plastic	<6 degC			Entero
					-03C	500/Plastic	H2SO4, <6 degC			Ammonia
Receiving Water Downstream, RSW-001D					-04A	150/Sterile Plastic	<6 degC			Ecoli
					-04B	150/Sterile Plastic	<6 degC			Entero
					-04C	500/Plastic	H2SO4, <6 degC			Ammonia

Relinquished By	DATE	TIME	Received By	DATE	TIME

Received By _____

DATE TIME _____

_____

Appendix 6-F: Spill Volume Estimation Methods

A variety of approaches exist for estimating the volume of a sanitary sewer spill. This appendix documents the three methods that are most often employed. The person preparing the estimate should use the method most appropriate to the sewer overflow in question and use the best information available.

1. Method I: Eyeball Estimate

The volume of small spills can be estimated using an “eyeball estimate”. To use this method imagine the amount of water that would spill from a bucket or a barrel. A bucket contains 5 gallons and a barrel contains 50 gallons. If the spill is larger than 50 gallons, try to break the standing water into barrels and then multiply by 50 gallons. This method is useful for contained spills up to approximately 200 gallons.

2. Method II: Measured Volume

The volume of most small spills that have been contained can be estimated using this method. The shape, dimensions, and the depth of the contained wastewater are needed. The shape and dimensions are used to calculate the area of the spills and the depth is used to calculate the volume.

Step 1 Sketch the shape of the contained sewage (see Figure C-1).

Step 2 Measure or pace off the dimensions.

Step 3 Measure the depth at several locations and select an average.

Step 4 Convert the dimensions, including depth, to feet.

Step 5 Calculate the area in square feet using the following formulas:

Rectangle: Area = length (feet) x width (feet)

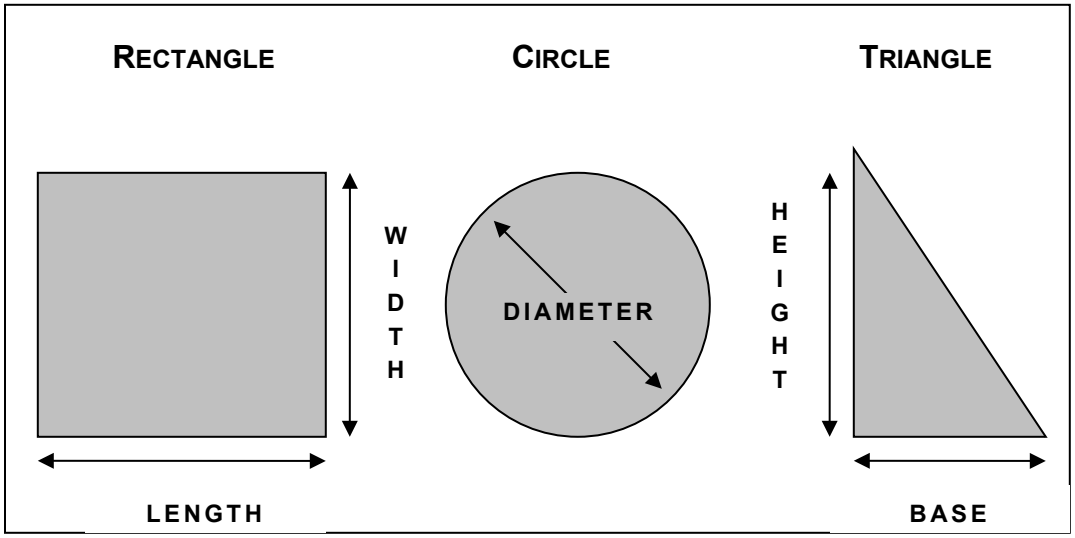
Circle: Area = diameter (feet) x diameter (feet) x 3.14 x .25

Triangle: Area = base (feet) x height (feet) x 0.5

Step 6 Multiply the area (square feet) times the depth (in feet) to obtain the volume in cubic feet.

Step 7 Multiply the volume in cubic feet by 7.5 to convert it to gallons

Figure C-1: Common Shapes and Dimensions



3. Method III: Duration and Flowrate

Calculating the volume of larger spills, where it is difficult or impossible to measure the area and depth, requires a different approach. In this method, the separate estimates are made of the duration of the spill and the flowrate. The methods of estimating duration and flowrate are:

Duration: The duration is the elapsed time from the time the spill started to the time that the flow was restored.

Start time: The start time is sometimes difficult to establish. Here are some approaches:

- Local residents can be used to establish start time. Inquire as to their observations. Spills that occur in rights-of-way are usually observed and reported promptly. Spills that occur out of the public view can go on longer. Sometimes observations like odors or sounds (e.g. water running in a normally dry creek bed) can be used to estimate the start time.
- Changes in flow on a downstream flow meter can be used to establish the start time. Typically the daily flow peaks are “cut off” or flattened by the loss of flow. This can be identified by comparing hourly flow data during the spill event with flow data from prior days.
- Conditions at the spill site change over time. Initially there will be limited deposits of toilet paper and other sewage solids. After a few days to a week, the sewage solids form a light-colored residue. After a few weeks to a month, the sewage solids turn dark. The quantity of toilet paper and other materials of sewage origin increase over time. These observations can be used to estimate the start time in the absence of other information. Taking photographs to document the observations can be helpful if questions arise later in the process.
- It is important to remember that spills may not be continuous. Blockages are not usually complete (some flow continues). In this case the spill would occur during the peak flow periods (typically 10:00 to 12:00 and 13:00 to 16:00 each day). Spills that occur due to peak flows in excess of capacity will occur only during, and for a short period after, heavy rainfall.

End time: The end time is usually much easier to establish. Field crews on-site observe the "blow down" that occurs when the blockage has been removed. The "blow down" can also be observed in downstream flow meters.

Flow Rate: The flowrate is the average flow that left the sewer system during the time of the spill. There are three common ways to estimate the flowrate:

- The San Diego Manhole Flowrate Chart: This chart, included as Appendix VII-G, shows sewage flowing from manhole covers at a variety of flowrates. The observations of the field crew can be used to select the appropriate flowrate from the chart. If possible, photographs are useful in documenting basis for the flowrate estimate.
- Flow meter: Changes in flows in downstream flow meters can be used to estimate the flowrate during the spill.
- Counting Connections: Once the location of the spill is known, the number of upstream connections can be determined from the sewer maps. Multiply the number of connections by 200 to 250 gallons per day per connection or 8 to 10 gallons per hour per connection.

For example: 22 upstream connections x 9 gallons per hour per connection

= 198 gallons per hour / 60 minutes per hour

= 3.3 gallons per minute

Spill Volume: Once duration and flowrate have been estimated, the volume of the spill is the product of the duration in hours or days and the flowrate in gallons per hour or gallons per day.

For example:

Spill start time = 11:00

Spill end time = 14:00

Spill duration = 3 hours

3.3 gallons per minute X 3 hours X 60 minutes per hour

= 594 gallons

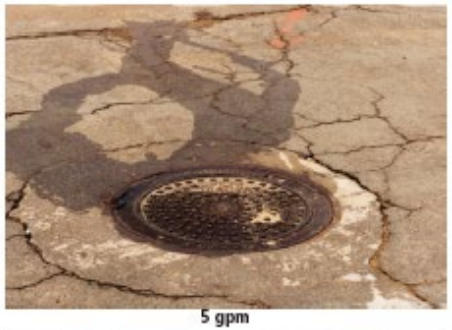
Manhole Overflow Flowrate Guide

City of San Diego
Metropolitan Wastewater Department

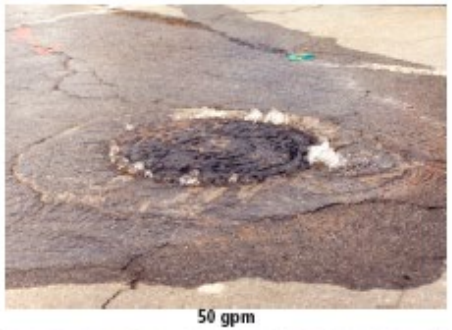
Reference Sheet for Estimating Sewer Spills from Overflowing Sewer Manholes

All estimates are calculated in gallons per minute (gpm)

Wastewater Collection Division
(619) 654-4160


5 gpm


25 gpm


50 gpm


100 gpm


150 gpm


200 gpm


225 gpm


250 gpm


275 gpm

All photos were taken during a demonstration using metered water from a hydrant in cooperation with the City of San Diego's Water Department.

rev. 4/99

Appendix 6-G: Sample Spill Warning Sign

WARNING

SEWAGE SPILL
AREA CLOSED
NO ENTRY

Contaminated Water

DO NOT ingest, wade, swim,
fish or come into contact.

Keep children and pets out of the area.

Questions concerning exposure, posting and clean-up should be directed to:

Fairfield-Suisun Sewer District
(707) 429-8930
http://www.fairfieldsuisunsewer.com

Fairfield-Suisun Sewer District
Sewer System Management Plan

Element 7: Sewer Pipe Blockage Control Program

2025

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Figures

List of Terms & Abbreviations

Cities	Cities of Fairfield and Suisun City
FOG	Fats, Oils, and Grease
FSSD, District	Fairfield-Suisun Sewer District
GRD	Grease Removal Device
SSMP	Sewer System Management Plan
SSS	Sanitary Sewer System
SSS WDR	Order No. 2022-0103-DWQ
SWRCB	State Water Resources Control Board
WDR	Waste Discharge Requirements

7 Sewer Pipe Blockage Control Program

The intent of this element of the Sewer System Management Plan (SSMP) is to evaluate the extent and nature of spills related to Fats, Oils, and Grease (FOG) and other debris, to determine the need for a blockage control program, and to outline the District's blockage control activities. This section fulfills the requirements of Element 7 of the State Water Resources Control Board (SWRCB) Statewide Waste Discharge Requirements (WDR) General Order for Sanitary Sewer Systems (SSS) Order No. 2022-0103-DWQ (SSS WDR) that was adopted on December 6, 2022 and became effective on June 5, 2023.

It should be noted that although this section addresses blockages in Fairfield-Suisun Sewer District's (FSSD's, or District's) system only, the District coordinates with the City of Fairfield and Suisun City (Cities) on blockage control activities to promote awareness and communication among the agencies since FOG and debris from the satellite systems can affect the District's trunk lines and pump stations. This coordinated approach is intended to facilitate a better understanding, by members of each agency, of blockage control efforts in the Fairfield-Suisun service area.

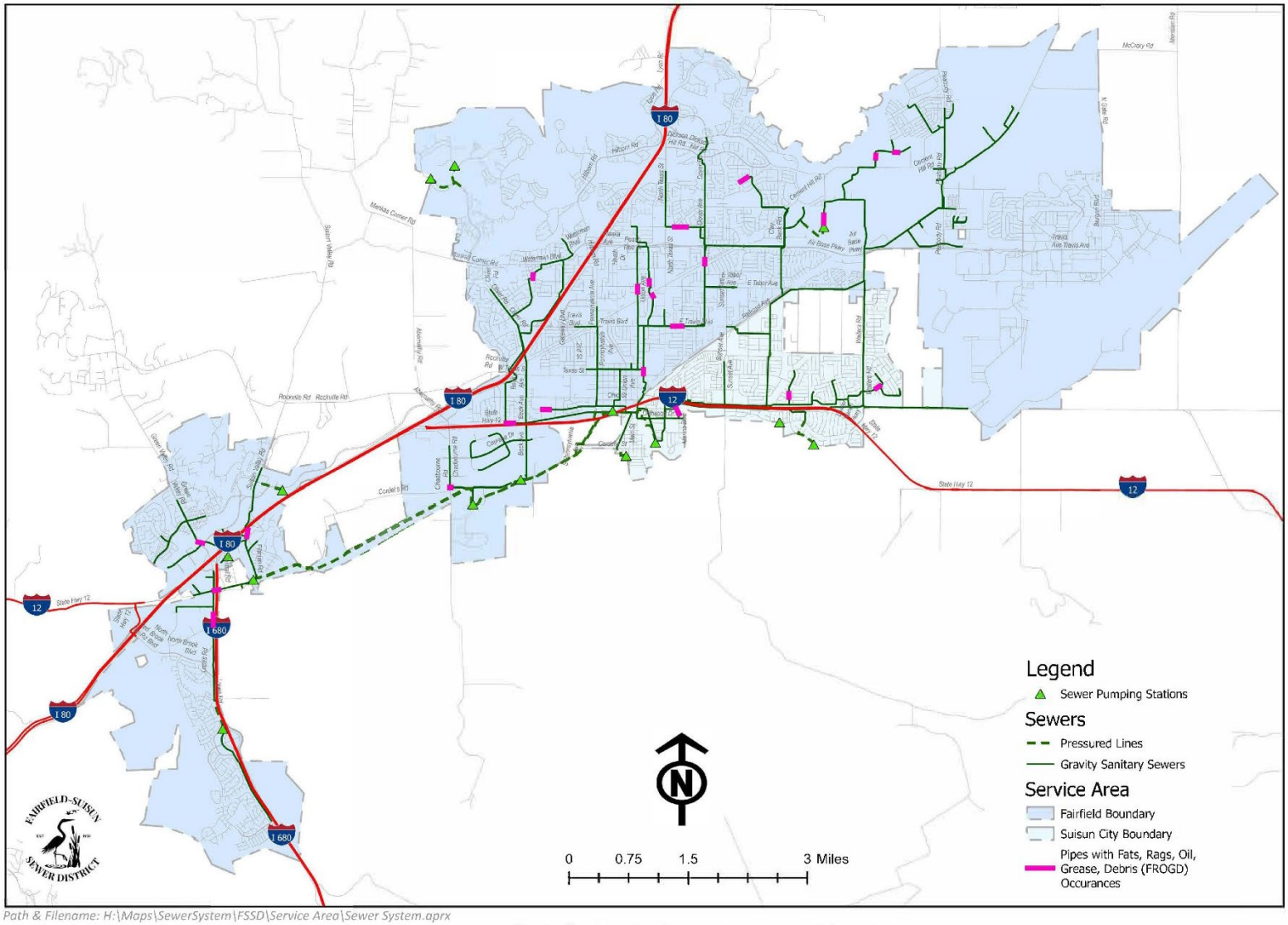
7.1 Evaluation of Sewer Blockages

SSS WDR Requirement:
The Sewer System Management Plan must include procedures for the evaluation of the Enrollee's service area to determine whether a sewer pipe blockage control program is needed to control fats, oils, grease, rags and debris. If the Enrollee determines that a program is not needed, the Enrollee shall provide justification in its Plan for why a program is not needed.

The District had 3 FOG related spills in 2005 and has had no sewer spills within the last 10 years (2014-2024), blockage related or otherwise—the only releases reported during this period were due to ARV malfunctions. Although the District's sewer system has experienced very few blockages and does not need a robust sewer pipe blockage control plan, sewer blockage control activities implemented since the adoption of the SSMP in 2003 have reduced the number of blockage related spills. Despite the history of infrequent blockage related spills, the District continues to monitor blockages in the system and implement blockage control activities.

As described in Element 4, the District routinely conducts inspections of the gravity sewer system and records inspection data utilizing Pipeline Assessment Certification Program (PACP) codes. This practice allows inspection data to be integrated with GIS to categorize issues within the system. **Figure 7.1-1** shows the location of FOG and debris related observations from PACP codes collected during Closed-Circuit Television (CCTV) inspections. The data used to generate the figure utilized CCTV inspection data from the past 5 years (PACP codes related to FOG and debris greater or equal to a severity of 3). The lines in pink show the areas that are FOG and debris related "hot spots" as described in Section 4.2.2 of Element 4 of the SSMP and are on accelerated cleaning schedules to avoid potential sewer spills due to blockages.

Figure 7.1-1 Sewer Lines with Blockage Related PACP Codes ≥ 3



Path & Filename: H:\Maps\SewerSystem\FSSD\Service Area\Sewer System.aprx
Layout Name: CCTV SS Map
Date Saved: 4/11/2025 2:21 PM

Fairfield-Suisun Sewer District

Sewer Lines with Blockage Related PACP Codes ≥ 3

7.2 Blockage Prevention Activities

SSS WDR Requirement:
The procedures must include, at minimum:

- *An implementation plan and schedule for a public education and outreach program that promotes proper disposal of pipe-blocking substance*
- *A plan and schedule for the disposal of pipe-blocking substances generated within the sanitary sewer system service area. This may include a list of acceptable disposal facilities and/or additional facilities needed to adequately dispose of substances generated within a sanitary sewer system service area*
- *The legal authority to prohibit discharges to the system and identify measures to prevent spills and blockages*
- *Requirements to install grease removal devices (such as traps or interceptors), design standards for the removal devices, maintenance requirements, best management practices requirements, recordkeeping and reporting requirements*
- *Authority to inspect grease producing facilities, enforcement authorities, and whether the Enrollee has sufficient staff to inspect and enforce the fats, oils, and grease ordinance*
- *An identification of sanitary sewer system sections subject to fats, oils, and grease blockages and establishment of a cleaning schedule for each section*
- *Implementation of source control measures for all sources of fats, oils, and grease reaching the sanitary sewer system for each section identified above*

The District, Fairfield, and Suisun City manage blockage related problems using various mechanisms as described in the following subsections.

7.2.1 Preventative Maintenance

If cleaning and CCTV inspection data indicate that there is problematic grease or debris in a line, the area is designated as a “hotspot.” A hotspot is part of the sewer system prone to problems and requiring higher frequency maintenance. Determining hotspot maintenance frequency requires professional judgment and takes into consideration pipe size, flow, severity of grease, debris, or defect. An area of grease build-up can be kept to a minimum with increased cleaning frequency resulting in spill prevention and less cleaning effort for the next cycle.

Hotspots are evaluated annually to determine the frequency of cleaning necessary to prevent future blockages. The frequency of cleaning may be increased or decreased by the supervisor based on the CCTV observations, feedback from cleaning crew, and the condition of sewer line. Occurrence of a subsequent spill will result in more frequent cleaning. Locations may be removed from the hotspot list by the supervisor if two consecutive cleanings show that there is little potential for a future blockage. The District tracks hotspot maintenance through its CMMS program.

7.2.2 Spill Related Outreach

City and District crews distribute door hangers with information on proper FOG disposal to residents or neighborhoods that have experienced a FOG-related buildup, blockage, or spill.

7.2.3 FSE Targeted Outreach

The District manages storm-water inspections by contract with the County and has included targeted outreach and education as part of Food Service Establishment (FSE) inspections. The District has expanded the scope of FSE storm-water inspection contract with the County to both

collect information on restaurant grease handling practices throughout FSSD's service area and distribute educational material about proper FOG disposal. The goal of the inspections is to expand understanding of restaurants' grease management practices, increase FSE awareness on best management practices, and improve grease removal device (GRD) maintenance practices to reduce FOG. The District can provide information on haulers and disposal facilities that serve the service area with FSEs as needed or upon request.

The County inspections provide data that are used in outreach to FSEs. Inspection data is used to analyze the practices of problem FSEs and to develop strategies to educate and improve FSE grease handling practices. **Table 7.2-1** includes information about FSE inspections by calendar year.

Table 7.2-1 FSE Inspections

Inspection Year	Number of FSE Inspections	Percent of FSEs Inspected[1]	Enforcement Actions	Percent of FSEs with Enforcement[1]
2018	131	23.7%	7	1.3%
2019	273	49.5%	22	4.0%
2020	217	39.3%	1	0.2%
2021	126	22.8%	6	1.1%
2022	113	20.5%	23	4.2%
2023	200	36.2%	39	7.1%
2024	332	60.1%	34	6.2%

[1] The total number of FSEs in service area is constantly changing; it is difficult to track the total FSEs at any given time. For purposes of this table the total number of FSEs was assumed to be 552 based on data from Solano County Health in March 2025

7.2.4 Residential Outreach

The District and Cities also conduct outreach to the general public. Means of public education and outreach include, but are not limited to:

- District's website – resources on how to properly dispose of FOG and wipes, including a link to Earth911 - More Ideas, Less Waste
- Social media – posts about proper disposal of FOG and wipes
- Radio – the District helps fund a series of Hometown Green public service announcements on KUIC that include segments on proper FOG and wipes disposal
- Giveaways – FOG scrapers and educational materials are available to hand out and tours and events

7.3 Legal Authority

7.3.1 FOG and Debris Discharge Limitations

Measures prohibiting illicit discharges are included in Section 2.1 of the District's Wastewater Discharge Ordinance (Ordinance). The specific purpose of the section is to prevent the discharge of any pollutant into the sewers that would obstruct or damage the collection system, interfere with treatment, or threaten harm to human health or the environment.

Section 2.1.B.(16) of the District's Ordinance specifically prohibits the introduction of "FOG which causes the User's discharge to exceed the local limits set forth in Section 2.4, or FOG

disposal from any GRD [Grease Removal Device]". Local limits included in Section 2.4 (B) prohibit the discharge of wastewater containing oil and/or grease in excess of 300 mg/L. Section 2.1 also prohibits discharge of waste to a community sewer that could by itself or by interaction with other waste could, among other requirements:

- Obstruct flow
- Injure the sewer system
- Damage the wastewater collection, treatment or disposal facilities
- Create a nuisance
- Produce quantities or flow rates which overload the collection or treatment facilities

7.3.2 Grease Removal Devices

The District's Ordinance provides legal authority to require GRDs if necessary. The Building Departments of the Cities require the installation of GREs on new restaurants. GRDs are designed per Uniform Plumbing Code. There is no need at this time to implement additional requirements.

7.3.3 Right to Inspect

The District's authority to inspect the premises of any discharger to document compliance with the Ordinance is stated in Section 7.1 of the Ordinance.

7.3.4 Enforcement

Sections 10 and 11 of the District's Ordinance provide different enforcement mechanisms to achieve compliance. The enforcement mechanisms set forth range from informal administrative action to formal criminal prosecution. The available enforcement mechanisms include the following:

- Informal administrative action (including Notice(s) of Violation and hearing notices)
- Administrative orders and compliance schedules
- Assessment of charges for obstruction or damages to District facilities or operations
- Administrative complaints for administrative civil penalties
- Suspension or termination of services
- Civil action
- Criminal action

Fairfield-Suisun Sewer District

Sewer System Management Plan

Element 8: System Evaluation, Capacity Assurance and Capital Improvements

2025

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Tables

List of Terms & Abbreviations

BRE	Business Risk Exposure
CCTV	Closed-circuit Television
CIP	Capital Improvement Program
Cities	Cities of Fairfield and Suisun City
COF	Consequence of Failure
CSAMP	Collection System Asset Management Program
CS R&R	Collection System Rehabilitation & Replacement
FSSD, District	Fairfield-Suisun Sewer District
GIS	Geographic Information System
I/I	Inflow and Infiltration
LOF	Likelihood of Failure
O&M	Operations & Maintenance
PACP	Pipeline Assessment Certification Program
PDWF	Peak dry weather flow
PS	Pump Station
PWWF	Peak wet weather flow
RUL	Remaining Useful Life
SSMP	Sewer System Management Plan
SSS	Sanitary Sewer System
SSS WDR	Order No. 2022-0103-DWQ
WDR	Waste Discharge Requirements

8 System Evaluation, Capacity Assurance and Capital Improvements

This element of the Sewer System Management Plan (SSMP) covers Fairfield-Suisun Sewer District's (FSSD or District) capacity management and capital planning practices and procedures. This section fulfills the requirements of Element 8 of the State Water Resources Control Board (SWRCB) Statewide Waste Discharge Requirements (WDR) General Order for Sanitary Sewer Systems (SSS) Order No. 2022-0103-DWQ (SSS WDR) that was adopted on December 6, 2022 and became effective on June 5, 2023.

SSS WDR Requirement:
The Plan must include procedures and activities for:

- *Routine evaluation and assessment of system conditions*
- *Capacity assessment and design criteria*
- *Prioritization of corrective actions*
- *A capital improvement plan*

8.1 System Evaluation and Condition Assessment

SSS WDR Requirement:
The Plan must include procedures to:

- *Evaluate the sanitary sewer system assets utilizing the best practices and technologies available*
- *Identify and justify the amount (percentage) of its system for its condition to be assessed each year*
- *Prioritize the condition assessment of system areas that:*
  - *Hold a high level of environmental consequences if vulnerable to collapse, failure, blockage, capacity issues, or other system deficiencies*
  - *Are located in or within the vicinity of surface waters, steep terrain, high groundwater elevations, and environmentally sensitive areas*
  - *Are within the vicinity of a receiving water with a bacterial-related impairment on the most current Clean Water Act section 303(d) List*
- *Assess the system conditions using visual observations, video surveillance and/or other comparable system inspection methods*
- *Utilize observations/evidence of system conditions that may contribute to exiting of sewage from the system which can reasonably be expected to discharge into a water of the State*
- *Maintain documents and recordkeeping of system evaluation and condition assessment inspections and activities*
- *Identify system assets vulnerable to direct and indirect impacts of climate change, including but not limited to: sea level rise; flooding and/or erosion due to increased storm volumes, frequency, and/or intensity; wildfires; and increased power disruptions*

8.1.1 Routine System Evaluation

The District evaluates the condition of the sewer system through routine inspection as described in Element 4 Operations & Maintenance, Section 4.2. The District uses the best practice of utilizing closed-circuit television (CCTV) video to inspect all gravity sewers at least once every five years – this averages to inspecting an average of 20% of the gravity sanitary sewer system

per year. Known problem areas (e.g., lines with known root intrusion or grease buildup) are cleaned and inspected more frequently and frequencies are adjusted based on cleaning and inspection data (i.e., number and severity of defects, visual observations, quantity/type of debris collected during cleanings). All inspection data (pipeline condition data including National Association of Sewer System Companies' Pipeline Assessment Certification Program [PACP] scores) is kept in a WinCAN master database on a FSSD server and all physical pipe attribute data (i.e., pipe diameter, material, geographic location, etc.) is integrated into the District's geographic information system (GIS).

8.1.2 Asset Management Program

In 2022, the District collaborated with the City of Fairfield and Suisun City (Cities) to develop a formal Collection System Asset Management Plan (CSAMP) to guide in the cost-effective maintenance, repair, and replacement of sewer system assets. The CSAMP was developed to answer the following core questions:

- What is the current state of the District's and Cities' assets?
- What are the District's and Cities' assets likelihoods of failure, consequences of failure, and business risks?
- What are the recommended rehabilitation and replacement strategies for the District and Cities?
- What is the District's and Cities' best long-term funding strategy?

The CSAMP utilized a combination of two methodologies to determine the condition of the assets:

- Using a hybrid of:
    - visual condition scores assigned by District staff using WinCan inspection software coding
    - post-review of CCTV inspection video and application of PACP standards and scoring
- Performing an age-base remaining useful life (RUL) analysis for pipes without CCTV data

The pipe material, condition, RUL, hydraulic sizing, and history of repair and rehabilitation were scored to determine the likelihood of failure (LOF) for each pipe.

A consequence of failure (COF) was also assessed for each pipe considering the following factors:

- **Social**: Transportation – Pipes near or under major roadways that could cause a disruption to traffic; Critical Facilities - Pipes near to, or connected to emergency service providers
- **Environmental**: Waterways – Pipes that convey flow near waterways
- **Financial**: Flow – Pipes that carry larger volumes and serve a larger customer base; Buried depth – Pipes that are difficult to repair because of the depth

The LOFs and COFs were used to determine a risk score (aka Business Risk Exposure or BRE in the CSAMP) which was subsequently used to prioritize rehabilitation and repair projects and operations & maintenance (O&M) strategies. The prioritized projects were then bundled together and costs were estimated to inform the Capital Improvement Program (CIP) of both FSSD and the Cities.

After completion of the 2022 CSAMP, District staff began planning and implementation of a comprehensive Collection System Rehabilitation and Replacement (CS R&R) Program. Utilizing the risk scores and project recommendations of the CSAMP as a starting point, the program has identified a preliminary scope, schedule, and budget for rehabilitation and replacement projects looking forward through approximately the next decade. Through this program, District staff seek to design and construct projects that are coordinated based on multiple factors beyond risk alone, including minimizing community impacts associated with construction, coordination with other District, City, and utility agency projects (particularly street paving), and cost effectiveness associated with combining work of similar construction method(s) and priority into larger projects. Priority risk-driven projects are incorporated into the District's CIP.

The District maintains and updates a database for the CS R&R program as issues are identified through routine inspections. Completed projects are subsequently documented and recorded in in the CS R&R database and transferred to GIS. The District also intends to utilize data from its CS R&R program in regular updates to the CSAMP (first update is scheduled in 2025-26), and to monitor overall system risk and project effectiveness as projects are completed.

8.1.3 Climate Change

The District is in the process of identifying assets vulnerable to climate change impacts. As a co-lead agency with Solano County for the Solano Bayshore Resiliency Project, the District is collaborating with the cities of Fairfield, Suisun City, Benicia, and Vallejo to evaluate vulnerabilities and develop an action plan to mitigate impacts of sea level rise. Contributions include providing project management, technical expertise, and data to support vulnerability assessments and adaptation planning with a focus on protecting critical infrastructure and maintaining water quality.

The District will be doing further analysis on assets impacted by sea level rise, groundwater rise, and flooding using available resources in conjunction with GIS data. Additionally, as a part of the Collection System Master Plan Update scheduled for 2025/2026, the District is seeking guidance on updating the design storm to be used to identify potential capacity deficiencies.

8.2 Capacity Assessment and Design Criteria

SSS WDR Requirement:

The Plan must include procedures to identify system components that are experiencing or contributing to spills caused by hydraulic deficiency and/or limited capacity, including procedures to identify the appropriate hydraulic capacity of key system elements for:

- *Dry-weather peak flow conditions that cause or contributes to spill events*
- *The appropriate design storm(s) or wet weather events that causes or contributes to spill events*
- *The capacity of key system components*
- *Identify the major sources that contribute to the peak flows associated with sewer spills*

The capacity assessment must consider:

- *Data from existing system condition assessments, system inspections, system audits, spill history, and other available information*
- *Capacity of flood-prone systems subject to increased infiltration and inflow, under normal local and regional storm conditions*
- *Capacity of systems subject to increased infiltration and inflow due to larger and/or higher-intensity storm events as a result of climate change*

- *Increases of erosive forces in canyons and streams near underground and above-ground system components due to larger and/or higher-intensity storm events*
- *Capacity of major system elements to accommodate dry weather peak flow conditions, and updated design storm and wet weather events*
- *Necessary redundancy in pumping and storage capacities*

The District utilizes several tools to evaluate the capacity of the system and develop design criteria. These tools are described in more detail in the following sections.

8.2.1 Master Planning

Since the 1980s, the District has conducted capacity assessment of its sewer system as part of the preparation of periodic sewer system master plans. Master plans were completed in 1986, 1994, 2002, 2008, and 2020. Updates to the Master Plan are considered when warranted by significant land use planning changes by the cities. Historically, the District's sanitary sewer system has demonstrated adequate wet weather capacity as it has not experienced any spills due to hydraulic deficiencies in the sewer system.

The District's Master Plan includes flow monitoring, an update of land use projections based on the Cities' general plans, quantification of existing and projected design flows, hydraulic modeling of the District's trunk sewer facilities, identification of capacity deficiencies, and recommendations for capacity-driven capital improvement projects. Priority projects are incorporated into the District's CIP. The 2020 Master Plan is available on SharePoint.

The District is embarking on a Master Plan update and is developing a Request for Proposals for the effort. Consultant selection and contract award is anticipated by late Summer 2025. In addition to updates related to future development, modeling, and flow monitoring to assess capacity issues, the District is interested in incorporating the following items into the scope:

- Reevaluation of the design storm criteria in light of climate change impacts
- Adding City collection systems to the hydraulic model to develop a comprehensive community-wide capacity evaluation and project list
- Evaluation of rainfall related inflow and infiltration (I/I) reduction projects as an alternative to capacity expansion projects
- Recommendations for updates to the Cities' and FSSD's design standards to create consistent sizing criteria across the connected systems
- Evaluation of potential flow splits/diversions between trunk system reaches and major pump station (PS) basins
- Updating the CSAMP model with CS R&R projects and recent inspection data and integrating both models to develop a combined list of condition-driven and capacity-driven projects
- Recommendations for a forcemain condition assessment program, to be integrated with CSAMP

The following sections provide a brief summary of the modeled system, flow estimates, and evaluation criteria used for the District's sewer system capacity evaluation.

Hydraulic Model

As a part of the District's 2020 Master Plan, a new hydraulic model was developed using InfoWorks™ ICM by Innovyze to evaluate existing and future system capacity. InfoWorks is a fully dynamic hydraulic modeling program that provides a realistic representation of changes in flow over time as well as estimates of surcharging and backwater effects due to capacity

limitations. GIS tools developed with the District's 2020 Master Plan incorporate the network and loading (land uses and flows) data for the model. Chapter 3 of the 2020 Master Plan provides a detailed discussion of the model development and use of the model to identify capacity deficiencies and needed improvements.

The model network for this Master Plan included all District pipes (which are all sewers 12 inches and larger in diameter), and key Fairfield pipe segments of concern between 8 and 10 inches in size. In total, the network included about 82 miles of pipelines: 67 miles of District gravity mains, 2 miles of small diameter City of Fairfield pipes, and 13 miles of force mains. These sewer lines form an integrated network that ultimately conveys flow to the District's four major pump stations, which discharge directly to the headworks of the WWTP.

The model network also included the District's four major pump stations (Suisun, Central, Inlet, and Cordelia) and the three largest lift stations in the system (CBC, Lopes, and Cement Hill). These pump stations are assumed to have adequate capacity to convey the flow downstream to the District's trunk network. The future model network also included the proposed Northeast Fairfield Pump Station. Besides pump and lift stations, other critical features included in the hydraulic model are 14 flow diversion structures and 12 inverted siphons.

A temporary flow monitoring program was also implemented to provide data for calibration of the 2020 hydraulic model. Most recently, an updated flow monitoring program was completed in 2024, and the hydraulic model was updated with these results.

Flow Estimates

Wastewater flows are estimated based on land use information for the District's service area which includes Fairfield, Suisun City, and limited parts of Solano County. Wastewater flow is estimated separately for three components: dry weather base wastewater flow, including land-use based sanitary flow and point source flow from key industries (e.g., Travis Airforce Base and Anheuser-Busch); groundwater infiltration; and I/I. These estimates are calibrated to historical wastewater flow monitoring data collected by the District. Current and future dry weather flows and peak 5-year, 10-year, and 20-year return period design storm flows were developed as the District standard. The design storms are 24-hour events based on historical rainfall intensity-depth-duration statistics for the Fairfield-Suisun area as documented in the Solano County Water Agency Hydrology Manual.

8.2.2 Capacity Evaluation Criteria

Capacity deficiency criteria are used to determine if the capacity of an existing sewer facility is exceeded to the extent that a capacity relief project is needed. These criteria are sometimes called "trigger" criteria, in that they trigger the need for a capacity relief project, unlike design criteria that are applied to determine the size of a new facility. The difference between deficiency criteria and design criteria reflect the fact that existing facilities were designed using outdated design standards that may continue to provide adequate, if not optimal, conveyance capacity, while new facilities must be designed to modern standards.

For the 2020 Master Plan, a sewer capacity deficiency was identified under the following conditions:

- Any modeled surcharging under peak dry weather flow (PDWF)
- Any modeled overflow or surcharge reaching within 5 feet of ground under 10-year design storm peak wet weather flow (PWWF), or any modeled overflow under 20-year storm PWWF

Pump stations were considered capacity deficient if the design storm PWWF with the largest pumping unit out of service (i.e., firm capacity) resulted in upstream overflows or backwater surcharge reaching within 5 feet of the ground.

Notes:

- If a surcharge in existing trunk sewer was triggered solely by future development, then the District would consider any surcharge to be a capacity deficiency requiring a relief project before additional development could be connected to the system
- The potential impact of capacity criteria violations, based on such factors as proximity to land uses with higher risk of public exposure or to sensitive water bodies, would be considered in prioritizing sewer improvements rather than determining the need for them

8.2.3 Capacity Assessment Results

Capacity assessment within the Master Plan identified segments of the sewer system with the potential for capacity-related spills primarily under future growth conditions, as well as the need for additional capacity at two, and possibly a third, pump stations. The majority of undeveloped land in the FSSD service area is located in northeast Fairfield including the Train Station Specific Plan, Hawthorne Mill (East and West), and the Villages at Fairfield. The Master Plan identifies the Peabody-Huntington sewer system as needing additional capacity to handle future growth beyond 2030. The following projects are planned in the FY 2025/ 2026 Capital Improvement Program (CIP):

Table 8.2-1 Collection System CIP Projects

Project Name	Description	Estimated Cost	Estimated Schedule
Suisun Force Main Reliability	Design and construction of new parallel force mains	$53M	2024 - 2028
Cordelia Pump Station Rehabilitation	Design and construction of capacity improvements and replacement of aging components.	$9M	2029 - 2032
Lopes Pump Station Rehabilitation	Design and construction of pump station capacity improvements and replacement of aging components.	$6M	2025 - 2028
Peabody Road Sewer Improvements Phase 2	Project start (est. 2035) to be evaluated as development in northeast Fairfield progresses.	$7.8M	2030 - 2033
Travis/ Pennsylvania Sewer Replacement	Preliminary design completed; permitting required. Start time to be evaluated and coordinated further with planned development adjacent to project.	$1.5M	2027 - 2028

Project Name	Description	Estimated Cost	Estimated Schedule
Trunk Main CIPP Lining	Including Hwy 12 crossing from Central PS, Green Valley/Nietzel, and portions of Lopes Road Trunk	$5.5M	2025 - 2027
Collection System Rehabilitation – Miscellaneous Rehab/Repairs	Misc. trenchless point repairs, MH rehab/repairs, access/ easement improvements, and contract maintenance services	$0.1M (Annual)	2029 – 2035
Collections System Master Plan and Asset Management Plan	Include General Plan updates from Suisun City (2023) and City of Fairfield (2024), refer to Section 8.2.1	$0.6M	2025 - 2027

8.3 Prioritization of Corrective Actions

SSS WDR Requirement:
The findings of the condition assessments and capacity assessments must be used to prioritize corrective actions. Prioritization must consider the severity of the consequences of potential spills.

8.3.1 Capacity Related Projects

As described in Section 8.2, capacity related projects are recommended with each Master Plan update and incorporated into the 10-year CIP.

8.3.2 Repair and Rehabilitation Projects

As described in Section 8.1.2, condition and risk-driven projects are identified and prioritized under the District's CS R&R Program and incorporated into the 10-year CIP.

8.4 Capital Improvement Plan

SSS WDR Requirement:
The capital improvement plan must include the following items:

- *Project schedules including completion dates for all portions of the capital improvement program*
- *Internal and external project funding sources for each project*
- *Joint coordination between operation and maintenance staff, and engineering staff/consultants during planning, design, and construction of capital improvement projects; and Interagency coordination with other impacted utility agencies*

8.4.1 CIP Schedule

A list of CIP Projects identified based on both capacity-related issues and condition/risk-based issues is shown in **Table 8.2-1** above.

8.4.2 Capital Project Funding

Funding for the operations and maintenance and capital needs of the entire collection system requires close coordination between the District and the Cities. While Element 8 of the SSMP only requires description of capital funding, O&M funding is also discussed in this section for completeness.

O&M Costs

The District sets sewer rates, or Sewer Service Charges, for the entire service area. Under an agreement with the cities of Fairfield and Suisun City, both cities collect all Sewer Service Charges for the District and transfer those funds to the District on a monthly basis. Each month, the District remits funds to the Cities to help cover the cost of maintaining local sewer lines that are 10-inches or smaller. The amount is based on the length of each city's sewer system and adjusted yearly for inflation.

The rest of the Sewer Service Charges go toward operating and maintaining the treatment plant and pipes 12-inches and greater, including all regulatory, lab, engineering, and general expenses.

Capital Costs

Per an agreement between the Cities and the District, the District also transfers Sewer Service Charges into District-held Collection System Reserves for each city. The District holds those reserve funds for all agencies. Once a year, the Cities request the use of reserve funds for major rehabilitation and repair projects in their portion of the sewer system based on the anticipated capital needs of the coming year. The requested funds are transmitted to the Cities after a true-up of expenditures from the prior year.

Both cities also collect Sewer Capacity Charges, which are one-time fees to connect to the system. Sewer Capacity Charges are used to pay for projects that support growth and fix or upgrade existing systems. This is based on a “buy-in” approach, where new users help pay for the existing system.

The District’s annual Budget and Long-Term Financial Plan includes funding for operations, debt, and capital projects for both District facilities and the Cities' local sewer systems. The District’s CS R&R Program serves as the basis for the District’s sewer replacement and rehabilitation work. The annual sewer cleaning and CCTV work as well as the annual collection system rehabilitation and replacement project are included in the Major Maintenance Fund of the Budget. Collections System O&M is funded by Sewer Service Charges.

The current annual Budget and Long-Term Financial Plan is available on the District’s website.

8.4.3 Joint Coordination

Internal and external coordination exists throughout the capital planning process from prioritization and project selection to design and construction. **Table 8.4-1** describes the coordination amongst departments and parties for each phase of the capital planning process.

Table 8.4-1 Capital Project Coordination

Phase	Coordinating Parties	Section Number (for additional detail)
Planning		
Capacity Evaluation (Master Plan)	▪ Engineering – project management ▪ Consultant – master planning work ▪ Cities – stakeholder involvement	8.2.2
Prioritization (Master Plan & CSAMP)	▪ O&M – CCTV inspection ▪ Engineering – project management ▪ Consultant – Master Plan/Asset Management work	8.1.2 8.3
Funding (CIP, Long-Term Financial Plan, Operating Budget)	▪ Engineering – project cost estimates ▪ Administration – budget/rate setting ▪ Cities – capital needs for Cities, fee collection	8.4.2
Design	▪ Engineering – project management ▪ Consultant – design engineers ▪ O&M – stakeholder feedback	5
Construction	▪ Engineering – project management; construction inspection ▪ Consultant – design services during construction ▪ Contractor – construction ▪ O&M – commissioning and start-up	5

Fairfield-Suisun Sewer District

Sewer System Management Plan

Element 9: Monitoring, Measurement and Program Modifications

2025

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List of Terms & Abbreviations

CMMS	Computerized Maintenance Management System
FSSD, District	Fairfield-Suisun Sewer District
O&M	Operations & Maintenance
SSMP	Sewer System Management Plan
SSS	Sanitary Sewer System
SSS WDR	Order No. 2022-0103-DWQ
WDR	Waste Discharge Requirements

9 System Evaluation, Capacity Assurance and Capital Improvements

This element of the Sewer System Management Plan (SSMP) discusses Fairfield-Suisun Sewer District's (FSSD or District) plans for monitoring and measuring the effectiveness of its SSMP, as well as procedures for making modifications to any part of its SSMP program. This section fulfills the requirements of Element 9 of the State Water Resources Control Board (SWRCB) Statewide Waste Discharge Requirements (WDR) General Order for Sanitary Sewer Systems (SSS) Order No. 2022-0103-DWQ (SSS WDR) that was adopted on December 6, 2022 and became effective on June 5, 2023.

SSS WDR Requirement:
The Plan must include an Adaptive Management section that addresses Plan-implementation effectiveness and the steps for necessary Plan improvement, including:

- *Maintaining relevant information, including audit findings, to establish and prioritize appropriate Plan activities*
- *Monitoring the implementation and measuring the effectiveness of each Plan Element*
- *Assessing the success of the preventive operation and maintenance activities*
- *Updating Plan procedures and activities, as appropriate, based on results of monitoring and performance evaluations*
- *Identifying and illustrating spill trends, including spill frequency, locations and estimated volumes*

9.1 Performance Measurements/Indicators

The District has developed a program to monitor the implementation and effectiveness of each element of its SSMP (audit checklist for implementation/compliance and a series of performance indicators for effectiveness). The performance indicators were derived from key aspects of system performance, maintenance, and repairs. The performance indicators provide feedback on the effectiveness of the District's operations and maintenance practices. As the District's organizational structure, facilities, and service area demands change, the performance indicators and audit checklist (Element 10) will provide the necessary feedback for evaluating the effectiveness of the SSMP and updating the SSMP elements.

The indicators that the District uses to measure the performance of its wastewater collection system and the effectiveness of its SSMP are listed in **Table 9.1-1**. The District's Environmental Services Department is responsible for implementation of this element of the SSMP and Environmental Services staff will verify that the data for the performance indicators are being captured in the District's files and Computerized Maintenance Management System (CMMS) and reviewed on a periodic basis.

Table 9.1-1 Performance Indicators to be Tracked

Performance Indicators	SSMP Element Effectiveness Evaluated
Spills	
Number of Spills (dry weather and wet weather)	All
Number of Spills < 100 gallons	All
Number of Spills 100 to 999 gallons	All
Number of Spills 1,000 to 9,999 gallons	All
Number of Spills ≥ 10,000 gallons	All
Total volume of Spills	All
Total volume of Spills recovered	4, 6
Spills caused by:	
Roots	4, 5, 7
Grease	4, 5, 7
Debris	4, 5, 7
Pipe failure	4, 8
Pump station failure	4, 8
Capacity-limited pipe segment (no debris)	8
Other	4, 8
Number of locations with more than one spill in the past year	4, 7, 9
Average response time – during business hours	2, 6
Average response time – after business hours	2, 6
Maintenance and Inspection	
Gravity sewer cleaning completed (LF)	4, 7
CCTV inspection completed (LF)	4, 7, 8
Portion of scheduled cleaning performed on or before scheduled time	4, 7
Portion of forcemain ARV inspections performed on or before scheduled time	4
Portion of forcemain corrosion testing performed on or before scheduled time	4
Portion of pump station inspections performed on or before scheduled time	4
Repair and Rehabilitation	
Critical point repairs identified through CCTV completed	8
Gravity sewers rehabilitated (LF)	8

9.2 Performance Monitoring and Program Changes

The District will evaluate the performance of its wastewater collection system every two years using the performance indicators identified in Section 9.1 and the results of the SSMP audit described in Element 10. The District will prioritize its actions and initiate changes to this SSMP, if needed, based on the results of the evaluations. Changes to the SSMP will be documented in Table 9.2-1. The Change Log is used to document changes to the SSMP since the last certification and includes the date a change was made, a brief description of the change, who made the change, and who authorized the change.

Table 9.2-1 SSMP Change Log

Date	Element/ Section	Description	Substantive? (Y/N)*	Made By	Authorized By

** If Y, then SSMP update must go to the Board of Directors for approval*

Fairfield-Suisun Sewer District
Sewer System Management Plan

Element 10: Internal Audits

2025

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List of Terms & Abbreviations

CCTV	Closed-circuit Television
CIP	Capital Improvement Program
FOG	Fats, oils, and grease
FSSD, District	Fairfield-Suisun Sewer District
I/I	Inflow and Infiltration
LRO	Legally Responsible Official
O&M	Operations & Maintenance
SERP	Spill Emergency Response Plan
SSMP	Sewer System Management Plan
SSS	Sanitary Sewer System
SSS WDR	Order No. 2022-0103-DWQ
SWRCB	State Water Resources Control Board
WDR	Waste Discharge Requirements

10 Internal Audits

This element of the Sewer System Management Plan (SSMP) discusses Fairfield-Suisun Sewer District's (FSSD or District) internal audit procedures. This section fulfills the requirements of Element 10 of the State Water Resources Control Board (SWRCB) Statewide Waste Discharge Requirements (WDR) General Order for Sanitary Sewer Systems (SSS) Order No. 2022-0103-DWQ (SSS WDR) that was adopted on December 6, 2022 and became effective on June 5, 2023.

SSS WDR Requirement:
The Plan shall include internal audit procedures, appropriate to the size and performance of the system, for the Enrollee to comply with section 5.4 (Sewer System Management Plan Audits) of this General Order.

10.1 SSMP Audits

The District has developed a system to monitor the compliance/implementation and effectiveness of each SSMP element (audit checklist for compliance/implementation and a series of performance indicators for effectiveness). The District will audit its SSMP every three years as required by the SSS WDR. The audit will document whether the SSMP meets the current requirements of the SSS WDR and whether the SSMP is effective in reducing spills. If deficiencies are identified in the audit, steps to correct any deficiencies will be included. Results of the audit will be presented in the Audit Report. The Audit Report will be retained in the District's records for five years.

The Audit Checklist in **Table 10.1-1**, based on the requirements in the SSS WDR, is used to evaluate the implementation of the SSMP and compliance with the SSS WDR. The audit is conducted by staff from the Environmental Services Department and covers each SSMP element.

10.1.1 SSMP Effectiveness in Reducing SSOs

The audit is intended to identify program changes that may be needed to improve SSMP effectiveness. Information on performance indicators collected as part of Element 9 (Monitoring, Measurement and Program Modifications) will be used to document the effectiveness of the SSMP. The performance indicators provide feedback on the effectiveness of the District's operations and maintenance practices. The audit may include a discussion of successes, areas for improvement, and strategies to reduce sewer spills. Tables, figures and/or charts may be used to summarize information about the performance indicators and to demonstrate effectiveness or identify areas where improvement is needed. When spills occur, the audit will include a discussion of the causes of the spill and corrective actions taken. If areas of improvement are identified, steps to improve effectiveness of the SSMP will be discussed.

Table 10.1-1 SSMP Audit Checklist

Audit Date:	Audit Preparer:		
Requirement	**SSMP Meets Requirement? (Y/N)***	**SSMP Current? (Y/N)***	**SSMP Implemented? (Y/N)***
1 SSMP Goal and Introduction			
Schedule for SSMP updates			
Schedule for internal audits			
Milestones for activities addressing prevention of spills			
General description of assets and service area			
Reference to up-to-date map of sewer system			
2 Organization			
Name of Legally Responsible Official (LRO)			
Position titles, numbers, and email addresses for staff responsible for implementing SSMP elements			
Organizational lines of authority			
Names and phone numbers for key personnel			
Chain of communication for reporting spills or addressing complaints			
3 Legal Authority			
Attached or electronic link to current sewer system use ordinance or other document demonstrating legal authority			
Prevent illicit discharges			
Collaborate with storm sewer agencies on emergency response			
Require sewer system is properly designed and constructed			
Ensure access to lateral owned by Enrollee for maintenance and inspection			
Obtain easements for system O&M			
4 Operations and Maintenance Program			
Up to date map of the sewer system with gravity lines and manholes, pumping facilities, pressure pies and valves and stormwater conveyance facilities			
Scheduling and data collection system for preventive O&M activities by staff and contractors			
System should include inspection and maintenance activities			
System should address hot spots			
System should include regular CCTV inspections of pipes and manholes			
Training on SSS WDR requirements			
Training on SERP procedures and practice drills			

Audit Date:	Audit Preparer:		
Requirement	**SSMP Meets Requirement? (Y/N)***	**SSMP Current? (Y/N)***	**SSMP Implemented? (Y/N)***
Training on estimation of spill volume			
Training on CIWQS reporting procedures			
Inventory of sewer equipment including critical replacement and spare parts			
5 Design and Performance Provisions			
Updated design criteria and construction standards			
Procedures and standards for the inspection and testing of all installations (new or rehabilitated)			
6 Spill Emergency Response Plan			
Procedures for timely notification of primary responders			
Procedures to notify other affected entities (health agencies, water suppliers, etc.)			
Procedures for notification of regulatory agencies			
Ensure that staff and contractors are trained			
Procedure for emergency system operations, traffic control, and other necessary activities			
Procedure to contain/minimize discharge to waters of the state or drainage system			
Procedure to minimize/remediate public health/beneficial use impacts			
Procedure to remove sewage from drainage system			
Procedure for cleaning spill area/ drainage system			
Procedure to implement technologies, practices, equipment, interagency coordination to expedite spill containment and recovery			
Procedure to implement coordination with storm drain agencies and other utilities prior, during and after a spill			
Procedure to conduct post spill assessments			
Procedure to document and report spills according to SSS WDR			
Annual review and assessment of effectiveness of SERP and update as needed			
7 Sewer Pipe Blockage Control Program			
Evaluation of the need for a blockage control program			
Public education and outreach program that promotes the proper disposal of pipe-blocking substances			
List of acceptable disposal facilities or need for additional facilities			

Audit Date:	Audit Preparer:		
Requirement	**SSMP Meets Requirement? (Y/N)***	**SSMP Current? (Y/N)***	**SSMP Implemented? (Y/N)***
Legal authority to prohibit discharges that lead to spills and blockages			
Requirement to install grease removal devices including design standards, BMPs, and recordkeeping/reporting requirements			
Authority to inspect grease producing facilities			
Identification of FOG hot spots and establishment of appropriate cleaning schedule			
Implementation of source control measure for FOG			
8 System Evaluation, Capacity Assurance and Capital Improvements			
Evaluate system assets utilizing best practices and technologies			
Identify and justify the percentage of system to be condition assessed each year			
Prioritize areas where spills have high level of environmental consequences (near receiving waters, sensitive areas)			
Utilize observations/evidence of system conditions that may cause a spill			
Maintain system evaluation and condition assessment inspection records			
Identify assets vulnerable to impacts of climate change			
Identify dry-weather peak flow conditions that cause spills			
Define design storm that causes or contributes to spills			
Identify major sources that contribute to peak flows			
Capacity assessment considers data from condition assessments, inspections, audits, spill history, and other info			
Consider capacity of flood-prone assets subject to increased I/I			
Capacity assessment considers increased I/I due to larger or higher-intensity storms due to climate change			
Condition and capacity assessments used to prioritize corrective actions			
CIP contains schedule with completion dates			
CIP lists internal and external project funding sources			
Joint coordination between O&M, engineering, consultants during planning, design, and construction of CIP projects; and interagency coordination			

Audit Date:	Audit Preparer:		
Requirement	**SSMP Meets Requirement? (Y/N)***	**SSMP Current? (Y/N)***	**SSMP Implemented? (Y/N)***
9 Monitoring, Measurement and Program Modifications			
Maintain information and audit findings to establish and prioritize SSMP activities			
Monitor the implementation and measure the effectiveness of each SSMP Element			
Assess the success of preventive O&M activities			
Update SSMP procedures and activities based on results of monitoring and performance evaluation			
Identify and illustrate spill trends, including spill frequency, locations and estimated volumes			
10 Internal Audits			
Identify internal audit procedures			
11 Communication Program			
Procedures for communicating with the public for spills resulting in closures of public areas or that enter drinking water sources			
Procedure for public input on SMMP development, implementation, and updates			
Procedure for communication with owners/operators of systems that connect into the Enrollee's system			

** If answer is N, then update the SSMP and fill out the Change Log*

Fairfield-Suisun Sewer District

Sewer System Management Plan

Element 11: Communication Program

2025

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List of Terms & Abbreviations

Cities	City of Fairfield and City of Suisun City
CIWQS	California Integrated Water Quality System
FSSD, District	Fairfield-Suisun Sewer District
SERP	Spill Emergency Response Plan
SSMP	Sewer System Management Plan
SSS	Sanitary Sewer System
SSS WDR	Order No. 2022-0103-DWQ
SWRCB	State Water Resources Control Board
WDID	Waste Discharger Identification Number
WDR	Waste Discharge Requirements

11 Communication Program

This element of the Sewer System Management Plan (SSMP) discusses Fairfield-Suisun Sewer District's (FSSD or District) communication Program. This section fulfills the requirements of Element 11 of the State Water Resources Control Board (SWRCB) Statewide Waste Discharge Requirements (WDR) General Order for Sanitary Sewer Systems (SSS) Order No. 2022-0103-DWQ (SSS WDR) that was adopted on December 6, 2022 and became effective on June 5, 2023.

SSS WDR Requirement:
The Plan must include procedures for the Enrollee to communicate with:

- *The public for:*
  - *Spills and discharges resulting in closures of public areas, or that enter a source of drinking water*
  - *The development, implementation, and update of its Plan, including opportunities for public input to Plan implementation and updates*
- *Owners/operators of systems that connect into the Enrollee's system, including satellite systems, for:*
  - *System operation, maintenance, and capital improvement-related activities*

11.1 Communication with the Public

11.1.1 Spill Notifications

Section 6.6 of the Spill Emergency Response Plan (SERP) contains the notification procedures for all spills. If a spill results in the closure of a public area or enters a source of drinking water, the District will work with Solano County Environmental Health or other applicable agency to coordinate the appropriate notifications.

11.1.2 SSMP Development

The District's website contains information about sewer system management – Sewer System Management - Fairfield-Suisun Sewer District. The page is updated to reflect any critical activities that may be of interest to the public and there is contact information for those who want to view or find out more information about the SSMP. The page informs the public that the SSMP is available for public review at the District's office during normal business hours.

Additionally, since significant SSMP updates require approval by the District's Board of Directors, notifications of SSMP updates are made through the normal public process for Board Meetings. Board agendas are publicly available on the District's website – Public Meetings - Fairfield-Suisun Sewer District and the public is welcome to engage in the public process.

11.1.3 SSMP Implementation

The District reports spills electronically to the California Integrated Water Quality System (CIWQS). The District's Waste Discharger Identification (WDID) is 2SSO10136. The electronic spill data are available by agency or region at:

- http://www.waterboards.ca.gov/water_issues/programs/ciwqs/publicreports.shtml

The District maintains a notice on its website that the sanitary sewer performance information is available at the CIWQS public access website; a link to the CIWQS website is provided.

11.2 Communication with Satellite Systems

The District, the City of Fairfield, and the City of Suisun City (Cities) work together to develop, implement, and update their SSMPs. The District and Cities correspond regularly and share resources regarding regional meetings, training, and information related to the SSMP and associated regulations. The District and the Cities already closely coordinate on funding, split management of the sewer system, and capital planning as described in Element 8. **Table 11.2-1** lists points of contact at each of the three agencies to communicate SSMP-related issues.

Table 11.2-1 SSMP Points of Contact

FSSD	City of Fairfield	City of Suisun City
Meg Herston	Bryan Latham	Amanda Dum
(707) 428-9109	(707) 580-4816	(707) 421-7345
mherston@fairfieldsuisunsewer.ca.gov	blatham@fairfield.ca.gov	adum@suisun.com

FAIRFIELD-SUISUN SEWER DISTRICT MINUTES

1010 Chadbourne Road ● Fairfield, California 94534 ● (707) 429-8930 ● www.FairfieldSuisunSewer.ca.gov

Board of Directors Meeting Minutes
Date: Monday, March 24, 2025
Meeting Place: 1010 Chadbourne Road, Fairfield, California
Meeting Time: 6:00 pm

1. The meeting was called to order at 6:00 p.m. by President Jenalee Dawson. President Dawson presided over the meeting.

   Roll Call – The following members were present: Directors Carr, Dawson, Hernandez, Panduro, Shepherd, Tonnesen, Washington and Williams. Directors Moy and Pal were absent. No Board Alternates were present.

2. Pledge of Allegiance was led by Director Scott Tonnesen.

3. Public Comments – No comments.

4. Director Comments/CASA Report (Winter Conf & DC Forum): Directors Hernandez, Panduro and Wiliams reported on their attendance at the CASA 2025 Winter Conference in January, touching upon the CSRMA Sessions. Directors Carr, Dawson, Hernandez and Williams reported on their attendance at the CASA 2025 Washington DC Policy Forum in February, noting legislative priorities and touring the White House.

5. General Manager Report – General Manager Jordan Damerel updated the Board that the District's NPDES permit renewal is on hold due to a recent Supreme Court ruling (San Francisco v. Environmental Protection Agency) this past February. The Water Board pulled all permits up for adoption in March to review and ensure they conform with the recent ruling. The District will continue under the old permit until the new permit adoption. In light of the legislative and regulatory advocacy policy approved in January, the District signed on to support SB 682 sponsored by CASA that bans and restricts all nonessential use of PFAS in California. Outreach Intern Krystle Catamura presented on the 2025 Education Program and community engagement with Solano RCD on recent school tours of the District. Over 300 students from Fairfield-Suisun Unified School visited the FSSD Wastewater Treat Plant.

6. Consent Calendar:
   (a) Adopt Res No. 2025-08 Approving Policy No. 3144 – Telecommuting Policy
   (b) Adopt Res No. 2025-09 Approving Educational Reimbursement Program
   (c) Adopt Res No. 2025-10 Awarding Consulting Services Agreement with Carollo Engineers, Inc for Electrical Replacement Project -Phase 2 Project
   (d) Approve Board Minutes of January 27, 2025

   No comments.

Upon motion by Director Washington, seconded by Director Carr, the Consent Calendar was passed by the following vote:

AYES: Carr, Dawson, Hernandez, Panduro, Shepherd, Tonnesen, Washington, Williams
NOES: None
ABSTAIN: None
ABSENT: Moy, Pal

7. Action Item:
   (a) Receive Report on Woodcreek 60 Sewer Feasibility Evaluation and Consider Adoption of Res No. 2025-11 Updating Policy No. 4350 – Out-of-Agency Sewer Service Policy

   General Manager Damerel reviewed and reported to the Board on the results of the recent hydraulic study completed for the Woodcreek 60 project, evaluation of applicant's legal argument for sewer service, and the fiscal impact of the project on the District. General Manager Damerel presented possible actions that the Board could take regarding providing sewer service to the Woodcreek 60 project and potential changes to the District's Policy No. 4350 to enact the action.

   After some questions from the Board of Directors and public comments from Amanda Monchamp, Don Hofer and Bob Runkel representing Shea Homes and Woodcreek 60, upon motion by Director Washington, seconded by Director Hernandez, Action Item 7a adopting Resolution No. 2025-11 updating Policy No. 4350 was passed by the following vote:

   AYES: Carr, Dawson, Hernandez, Panduro, Shepherd, Tonnesen, Washington, Williams
   NOES: None
   ABSTAIN: None
   ABSENT: Moy, Pal

8. Information Item:
   (a) Board Calendar

   No comments.

9. Closed Session:

   The Board of Directors recessed to Closed Session at 7:03 pm to discuss the following matter:

   (a) Gov. Code Section 54957: Public Employee Performance Evaluation; Title: General Manager

The Board reconvened at 7:08 pm with no reportable actions.

The meeting adjourned at 7:09 pm.

Respectfully submitted,

_____
President

ATTEST:

_____
District Clerk

FAIRFIELD-SUISUN SEWER DISTRICT
1010 Chadbourne Road ● Fairfield, California 94534 ● (707) 429-8930 ● www.FairfieldSuisunSewer.ca.gov

April 23, 2025

AGENDA REPORT

TO: Board of Directors

FROM: James Russell-Field, Director of Administrative Services

SUBJECT: Quarterly Investment Report

Attached is the District's Quarterly Investment Report (Attachment 1) for the quarter ended March 31, 2025. The investment portfolio conforms to the District's Investment Policy as re-adopted by the Board of Directors at its meeting on May 20, 2024.

The District's cash balances, representing operating and reserve funds, are held in short-term and medium-term instruments to meet the District's anticipated cash flow requirements.

Attachment: 1 – Quarterly Investment Report
2 – Investment Performance Report by PFM

Attachment 1

FAIRFIELD-SUISUN SEWER DISTRICT
INVESTMENT REPORT
FOR THE QUARTER ENDED MARCH 31, 2025

Asset Detail

Instrument	Date of Maturity		Par Value	Market Value	Market Yield	Estimated Annual Income
California Asset Mgt Program (CAMP)						
CAMP Managed Account	Various		$ 39,900,849	$ 39,328,021	4.120%	$ 1,643,915
CAMP Liquidity Account	N/A		18,168,259	18,168,259	4.510%	819,388
State Local Agency Investment Fund	N/A		371,175	371,035	4.350%	16,144
Totals			$ 58,440,283	$ 57,867,315		$ 2,479,448

Summary of Portfolio Securities

	Market Value
CAMP Managed Account	$ 39,328,021
CAMP Liquidity Account	$ 18,168,259
State Local Agency Investment Fund	371,035
	$ 57,867,315

Maturity Distribution

	Market Value
0 - 12 months	$ 18,724,136
1 - 2 years	10,803,407
2 - 3 years	8,136,968
3 - 4 years	12,207,418
4 - 5 years	7,995,387
	$ 57,867,315

NOTES:

Par Value is the nominal or face value of a bond, or coupon as indicated on a bond certificate. It is a static value determined at the time of issuance.

Market Yield is an approximation of the gross income an asset is projected to earn annually, expressed as a percentage of the asset's market value.

Market Value an estimate of the value at which the principal would be sold from a willing seller to a willing buyer.

Market Values, Current Yields and Estimated Annual Income are from the following sources:

Local Agency Investment Fund monthly statement

California Asset Management Program statement

All investments are in compliance with the District's current investment policy. The District has sufficient funds to meet its expense requirements for the next three months.

Prepared by James Russell-Field 4/4/2025

Date

pfm asset management

Fairfield-Suisun Sewer District

Investment Performance Review
For the Quarter Ended March 31, 2025

Client Management Team

Monique Spyke, Managing Director
Lesley Murphy, Senior Managing Consultant
Rachael Miller, Client Consultant

PFM Asset Management
A division of U.S. Bancorp Asset Management, Inc

1 California Street Ste. 1000
San Francisco, CA 94111-5411
415-393-7270

213 Market Street
Harrisburg, PA 17101-2141
717-232-2723

Agenda

- Market Update
- Account Summary
- Portfolio Review

Market Update

Current Market Themes

- U.S. economy is clouded by tariff and policy uncertainty
  - Labor market continues to serve as backbone
  - Goods inflation weighs on progress towards Fed's 2% inflation target
  - Fiscal policy uncertainty and volatile tariff rollouts weigh on consumer sentiment

- Fed takes a pause from easing but looks to continue cutting later this year
  - The Fed kept the federal funds target rate unchanged at 4.25% - 4.50%
  - The Fed's March "dot plot" implies another 50 bps of cuts in 2025
  - Fed Chair Powell stated the administration's "significant policy changes" relating to trade, immigration, fiscal policy, and regulation is creating "considerable uncertainty"

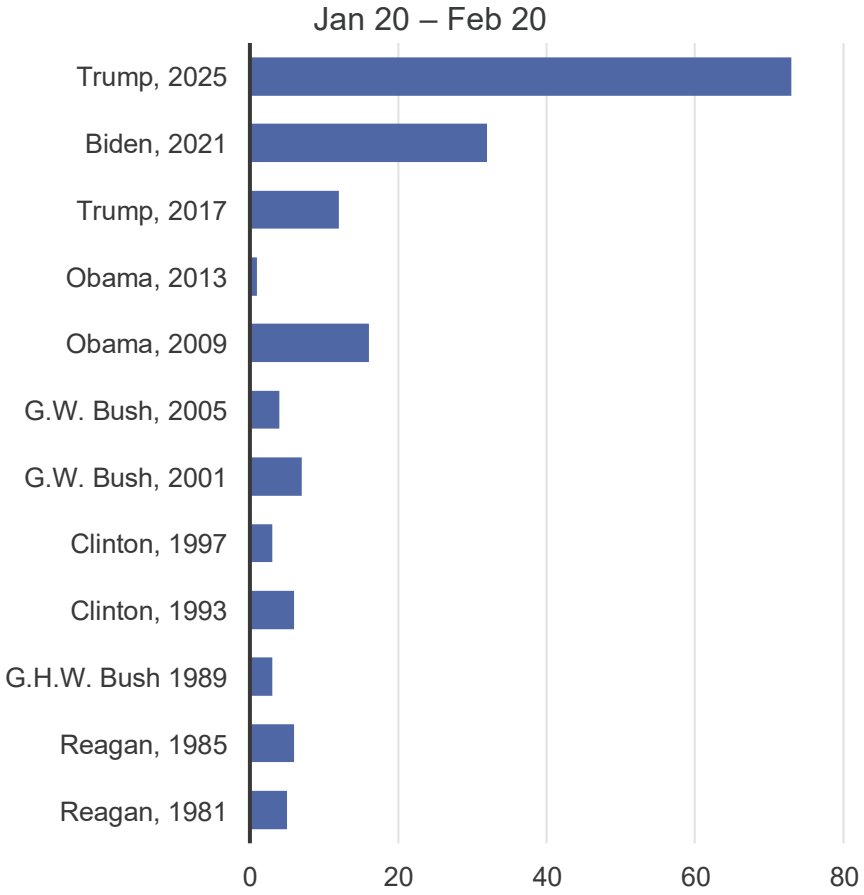
- Treasury yields fall on growing uncertainty
  - Yields on maturities between 2 years and 10 years fell 35-43 bps during the 1st quarter
  - The yield curve reinverted on the front end while the steepness of the curve between 2 years and 10 years was unchanged
  - Yield spreads widened off their historically low levels given growing economic concerns but still remain tight

Source: Details on market themes and economic indicators provided throughout the body of the presentation. Bloomberg Finance L.P., as of March 31, 2025.

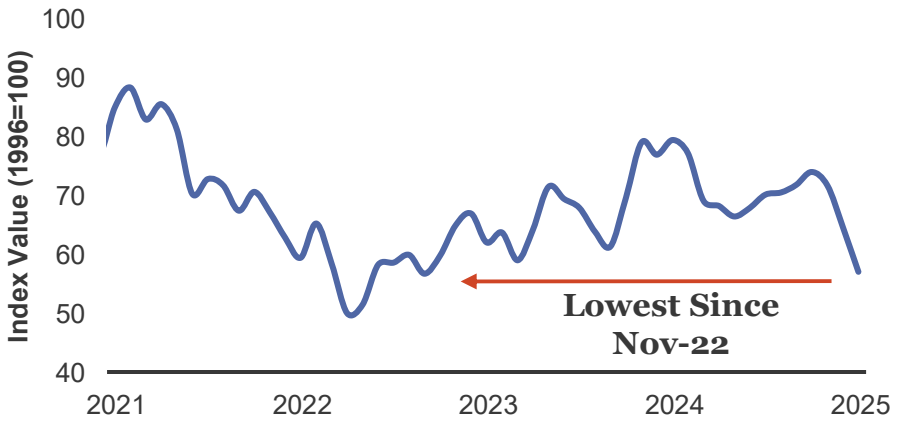
Policy Changes Increase Consumer Uncertainty

Fed Chair Powell: "We understand that sentiment is quite negative at this time, and that probably has to do with … turmoil at the beginning of an administration…"

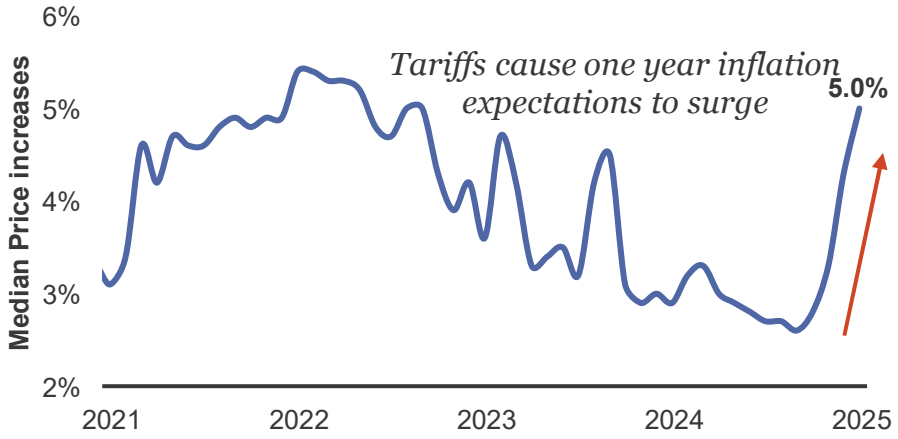
Number of Executive Orders Signed In First Month of Term



Consumer Sentiment Index



Expected Change in Prices During Next Year



Source: FOMC Chair Jerome Powell Press Conference, March 19, 2025. Bloomberg Finance L.P. and Federal Register :: Executive Orders, as of March 2025 (left). University of Michigan Consumer, as of March 2025 (right).

Tariffs Have Broad Economic Implications

Tariff Implications

Inflation

Fed staff research[1] suggests each 10% increase in the effective tariff rate leads to a 0.8% increase in inflation

Economic Impact

Fed staff research[1] suggests each 10% increase in the effective tariff rate leads to a 1.4% decrease in GDP

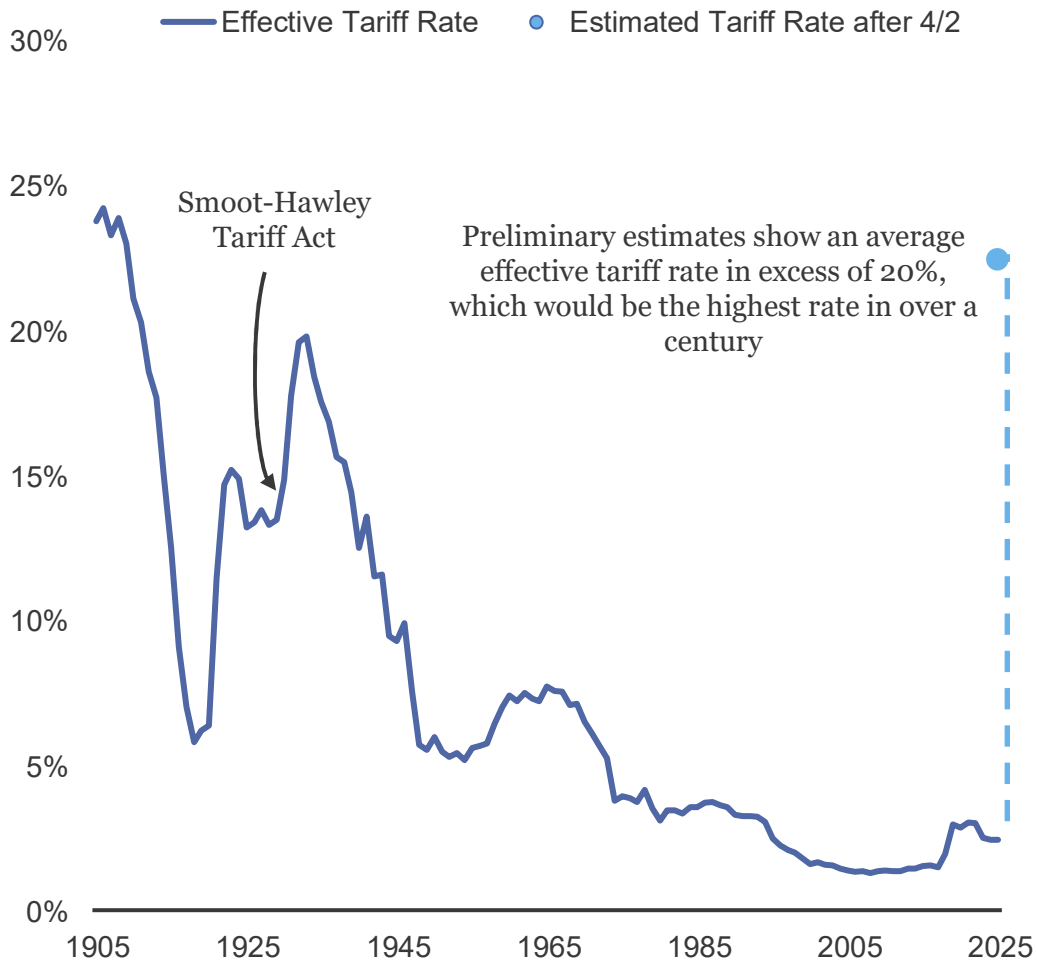
Tariff Revenues

Each $100 billion of tariffs paid by the consumer is approximately equal to a 0.4% increase in income taxes

Consumer Spending

Price increases and uncertainty could directly impact consumer confidence and spending habits

Effective Tariff Rate

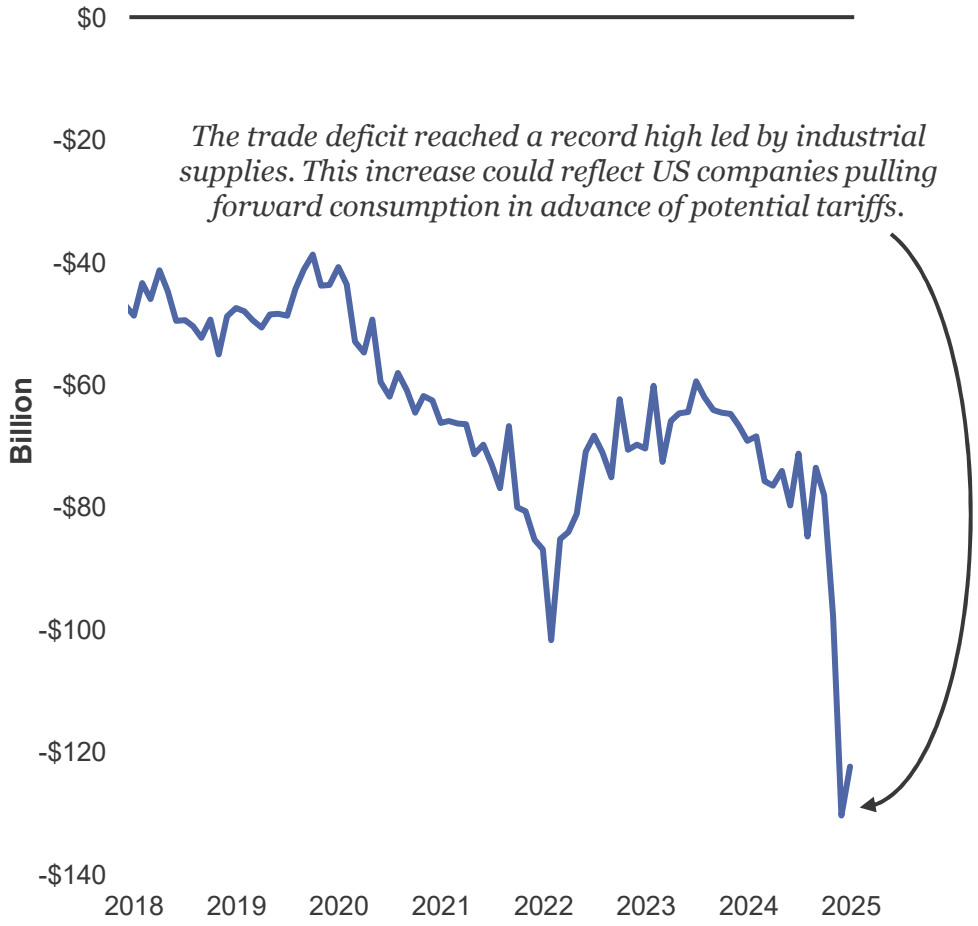


Source: PFMAM calculations, Bloomberg Finance L.P., Bureau of Economic Analysis. As of April 2025.
[1]Federal Reserve: Tealbook A, September 2018

Tariffs Drive Growth Expectations Lower

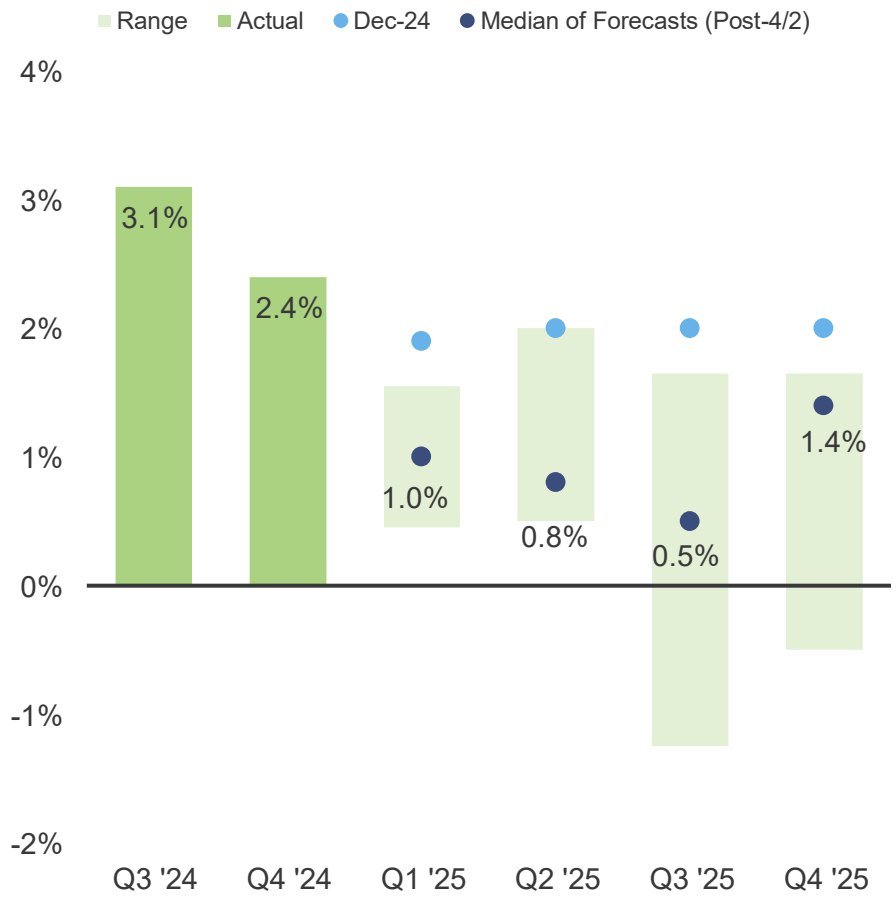
Fed Chair Powell: "But we kind of know there are going to be tariffs and they tend to bring growth down."

U.S. Trade Balance



U.S. GDP Forecasts

Annualized Rate

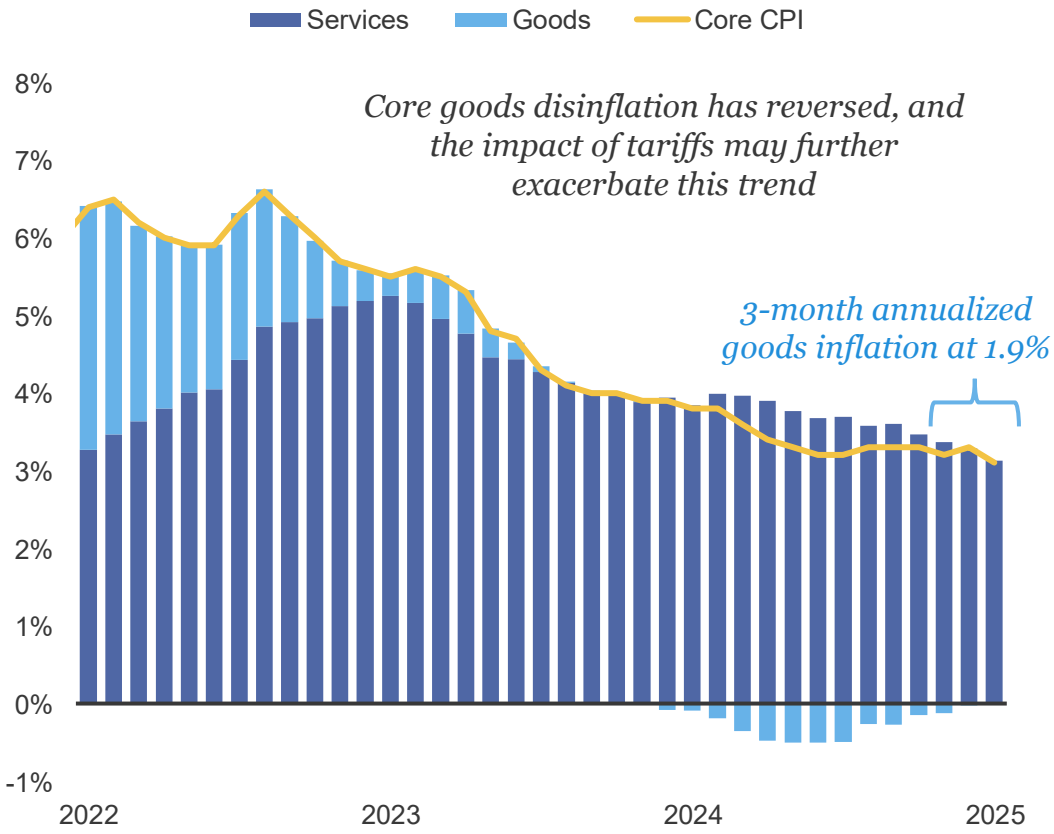


Source: FOMC Chair Jerome Powell Press Conference, March 19, 2025; Bloomberg Finance L.P. and the U.S. Census Bureau as of February 2025 (left). Bureau of Economic Analysis and Bloomberg Finance L.P., as of April 2025. Survey responses after April 2, 2025 included in median and forecast range (right).

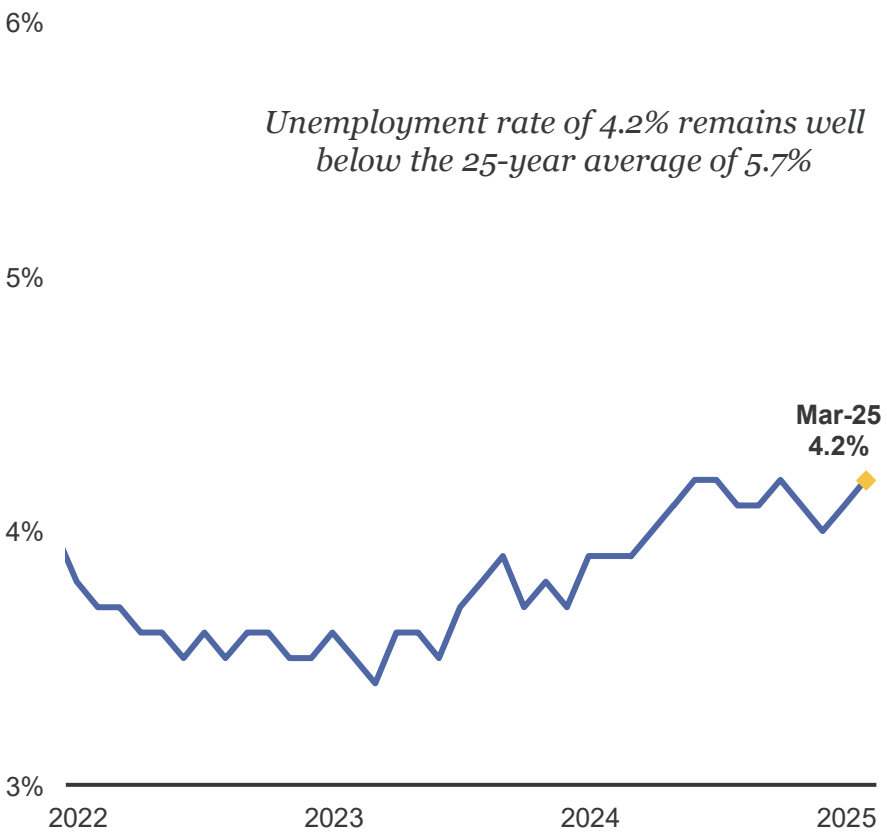
The Fed's Dual Mandate Gets More Complicated

Fed Chair Powell : "...ultimately, though, it's too soon to be seeing significant effects [from tariffs] in economic data..."

Core CPI
Contributions to Year-Over-Year Change



Unemployment Rate

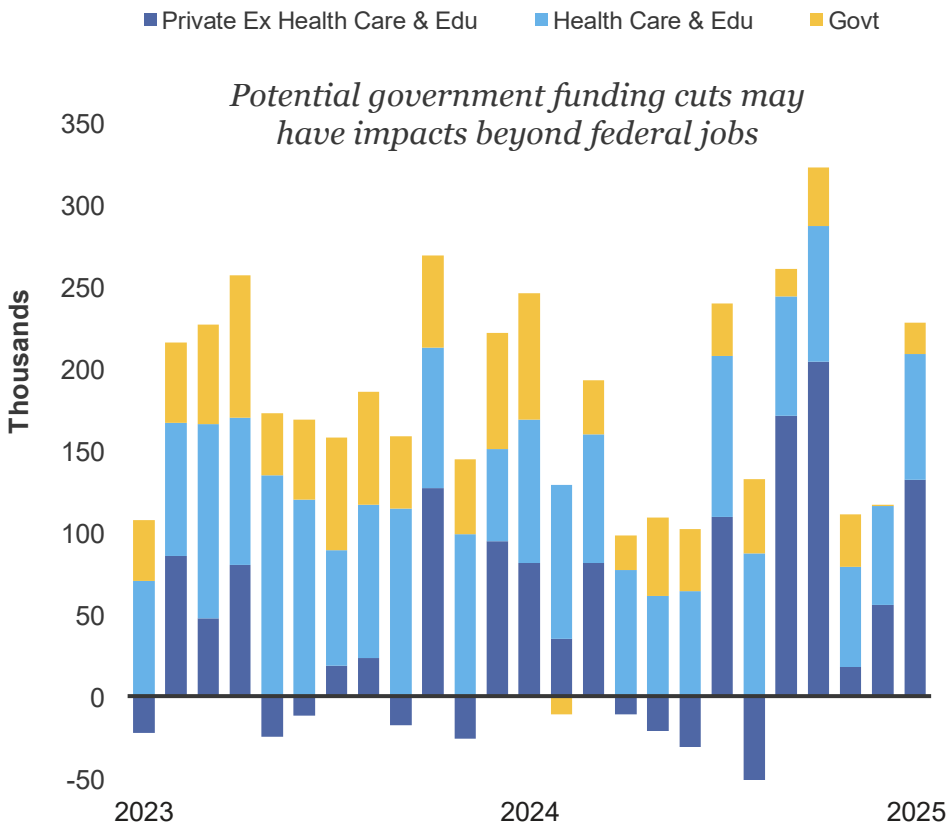


Source: FOMC Chair Jerome Powell Press Conference, March 19, 2025. Bureau of Labor Statistics, and Bloomberg Finance L.P., as of February 2025 (left). Bureau of Labor Statistics, and Bloomberg Finance L.P., as of March 2025 (right). Data is seasonally adjusted. Historical average unemployment rate calculated from March 2000 – March 2025.

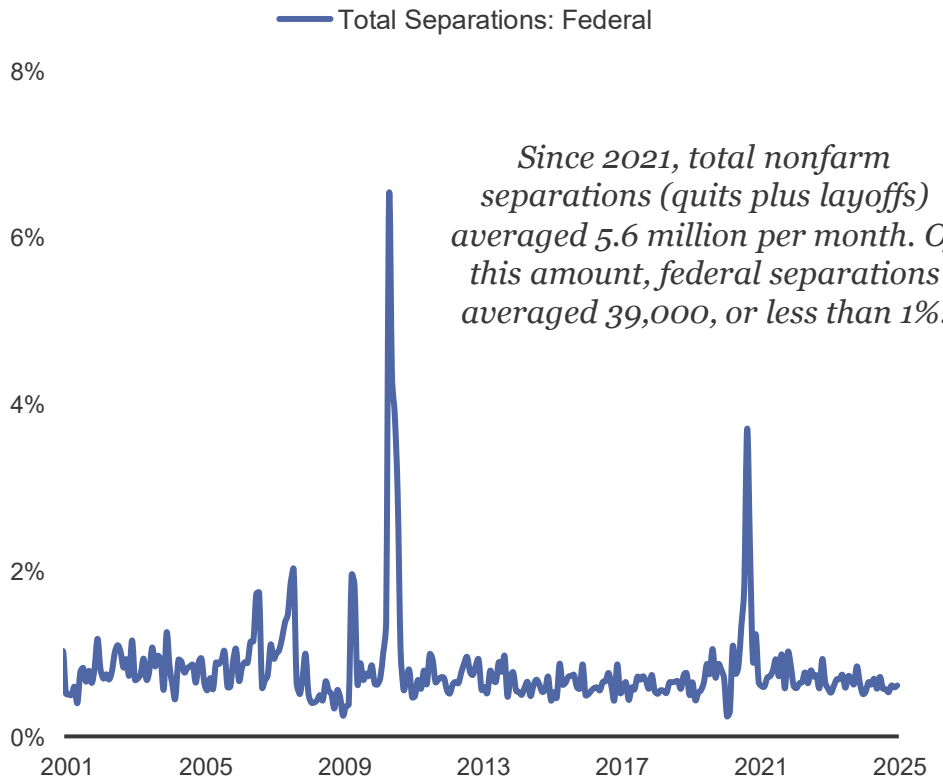
Federal Employment Remains a Focus

Fed Chair Powell: "The [federal] layoffs … at the national level … they're not significant yet. … There were… a good number of months … when a lot of the job creation was concentrated in … educational institutions, health care, state governments."

Monthly Change In Nonfarm Payrolls



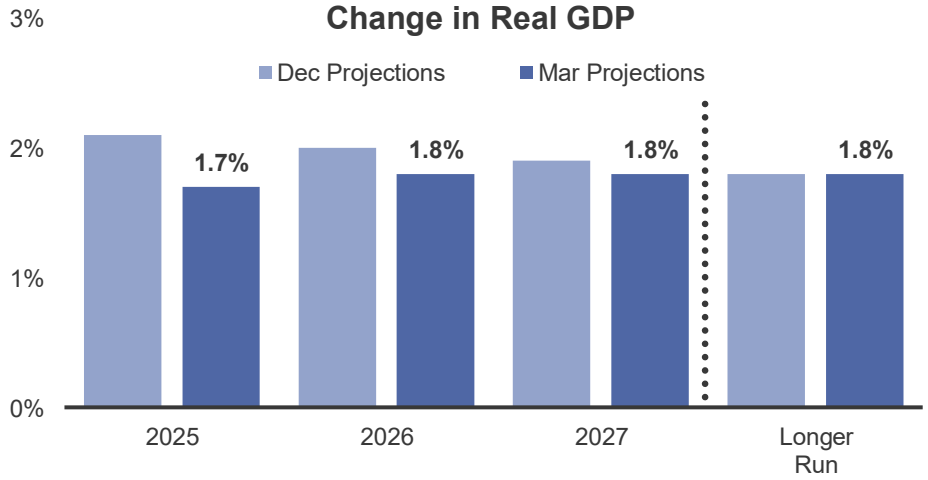
Proportion of Monthly Separations
Job Openings and Labor Turnover Survey

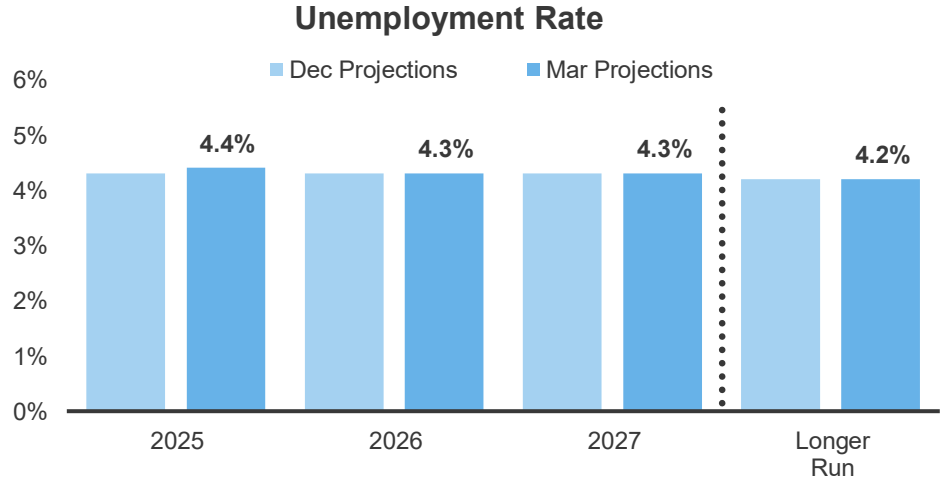


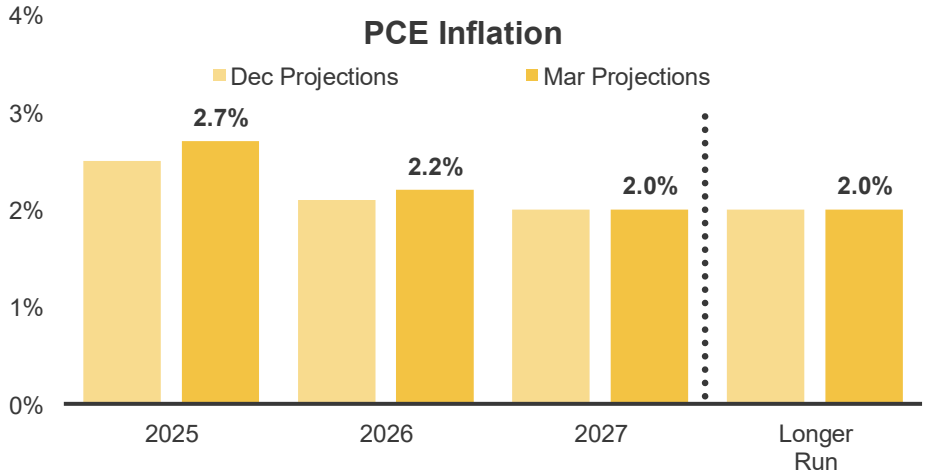
Source: FOMC Chair Jerome Powell Press Conference, March 19, 2025. Bloomberg Finance L.P., Bureau of Labor Statistics as of March 2025 (left). FRED and Bureau of Labor Statistics, as of February 2025 (right).

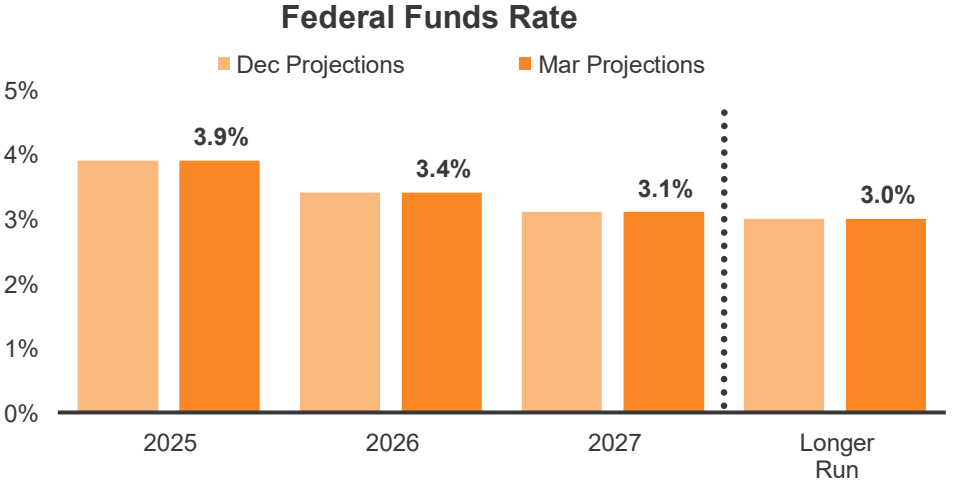
Fed's Updated Summary of Economic Projections

Fed Chair Powell: "... you see weaker growth but higher inflation—they kind of offset—and also, frankly, a little bit of inertia. When it comes to changing something in this highly uncertain environment, you know, I think there is a level of inertia where you just say, maybe I'll stay where I am.







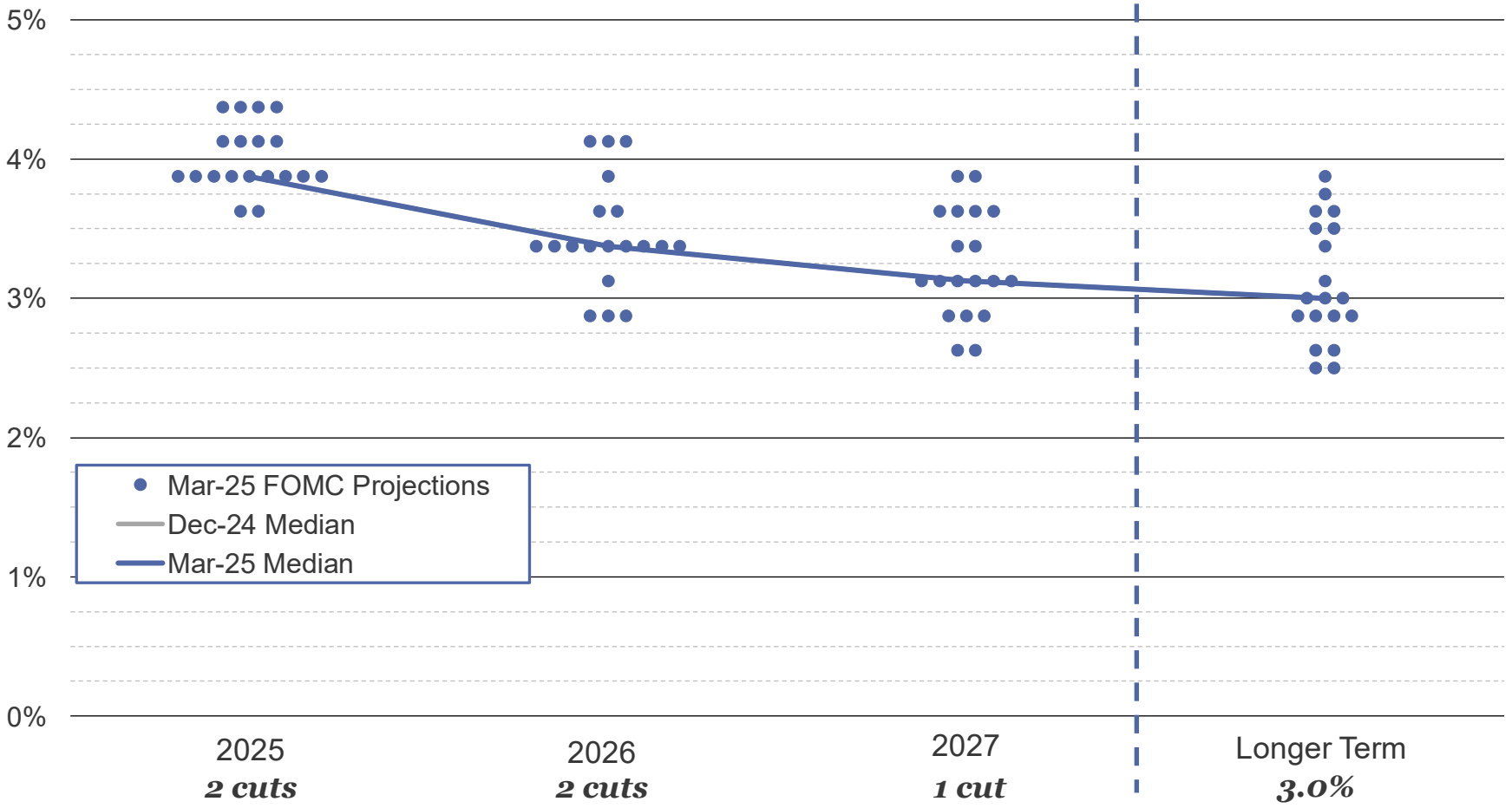


Source: FOMC Chair Jerome Powell Press Conference, March 19, 2025. Federal Reserve, latest economic projections as of March 2025.

Fed's Latest "Dot Plot" Shows No Change to Median Projection

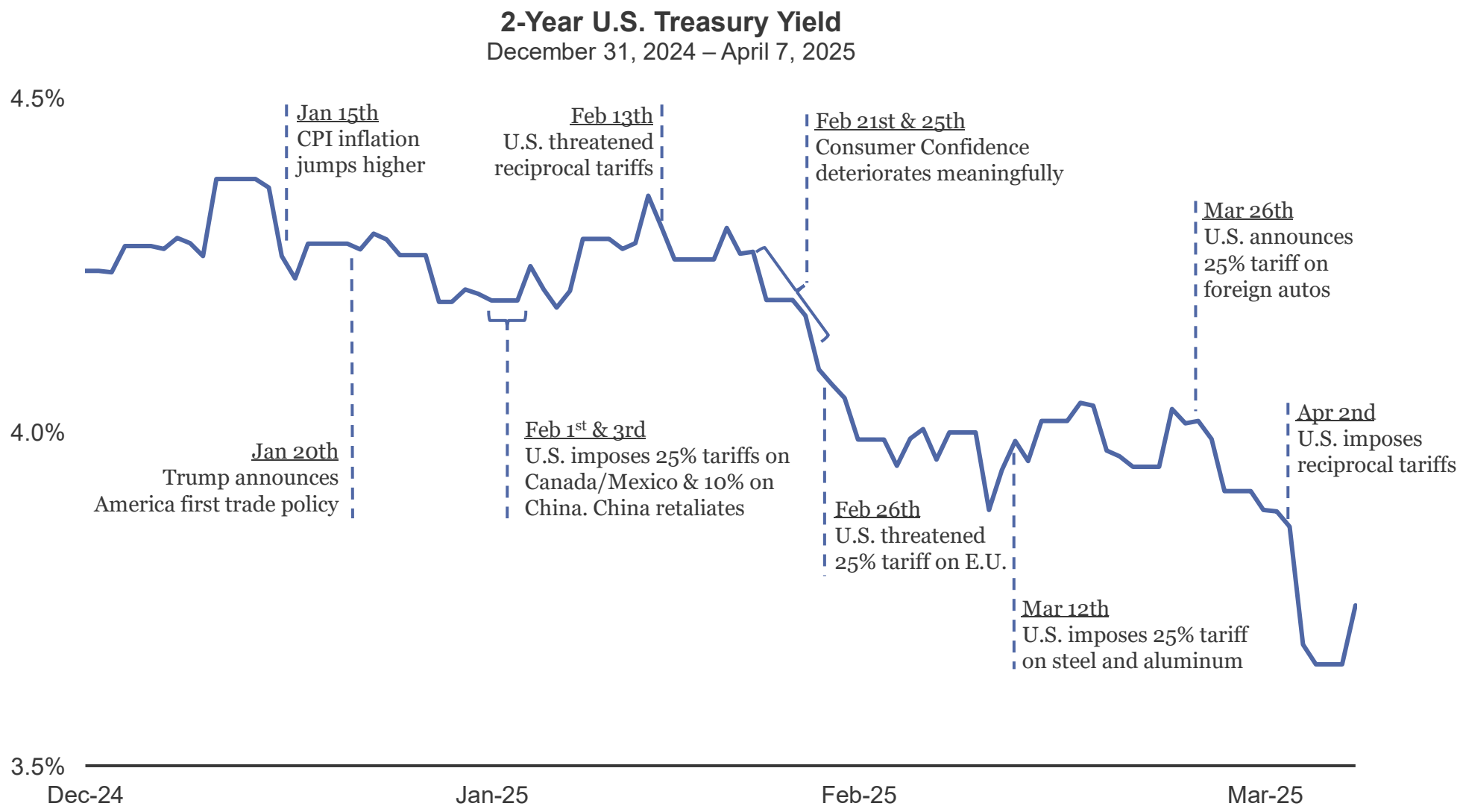
Fed Chair Powell: "What would you write down? It's really hard to know how this is going to work out. And, again, we think our policy is in a good place … where we can move in the direction where we need to."

Fed Participants' Assessments of 'Appropriate' Monetary Policy



Source: *FOMC Chair Jerome Powell Press Conference, March 19, 2025. Federal Reserve; Bloomberg Finance L.P.. Individual dots represent each Fed members' judgement of the midpoint of the appropriate target range for the federal funds rate at each year-end. As of March 2025.*

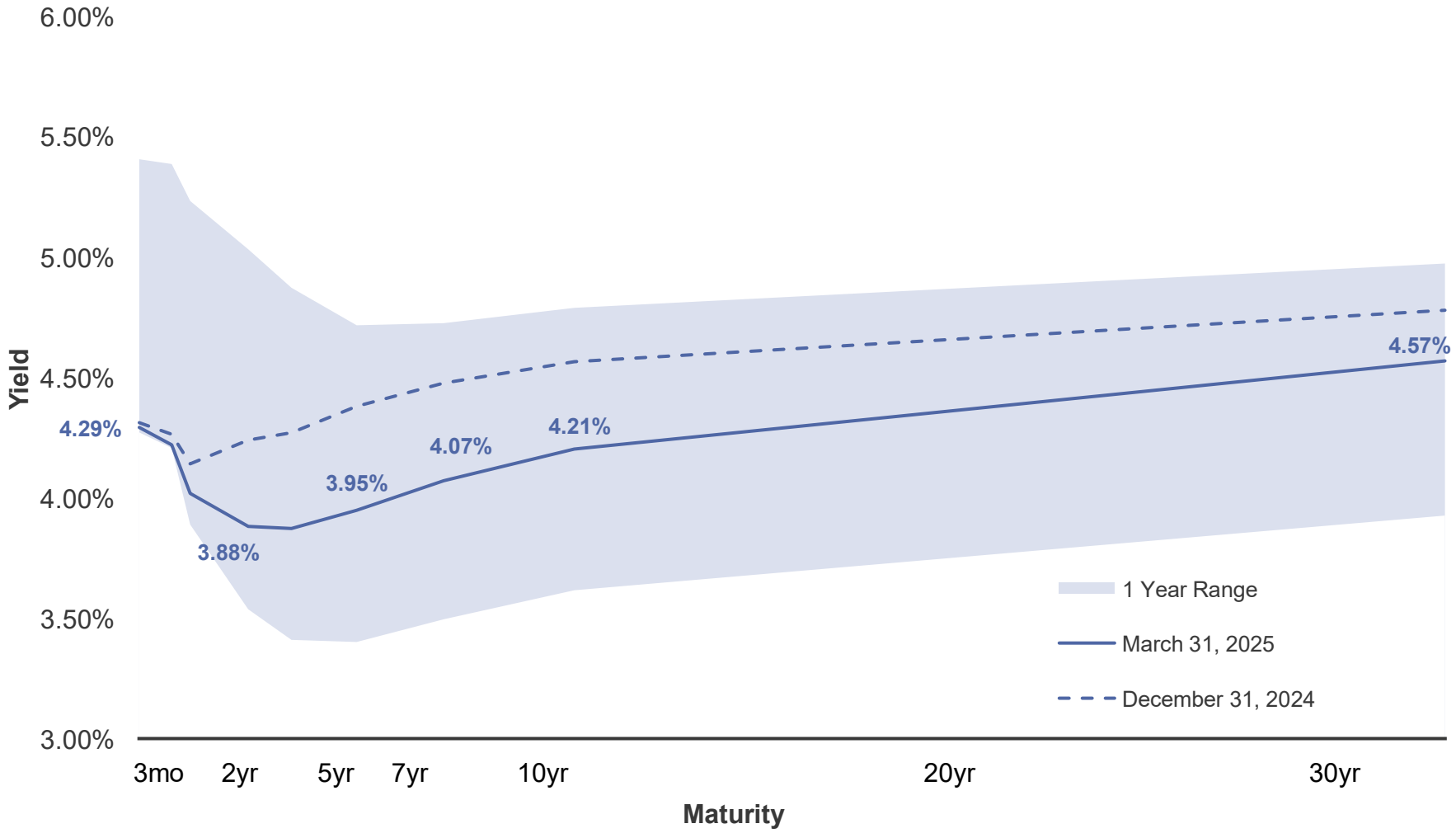
Treasury Yields Lower On Tariff Concerns



Source: Bloomberg Finance L.P., as of April 7, 2025.

Treasury Yields Lower Across the Curve

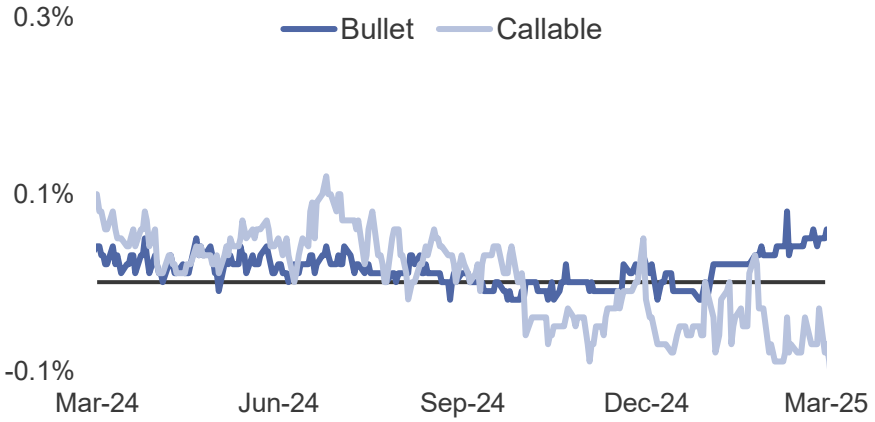
U.S. Treasury Yield Curve



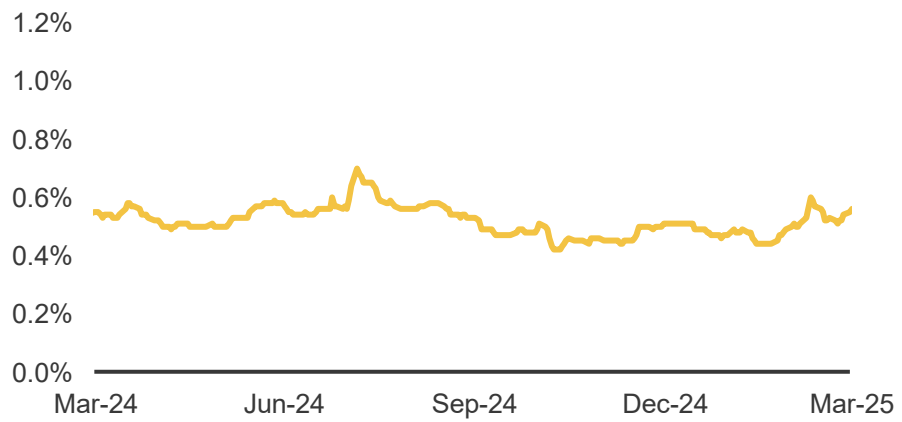
Source: Bloomberg Finance L.P., as of March 31, 2025.

Sector Yield Spreads

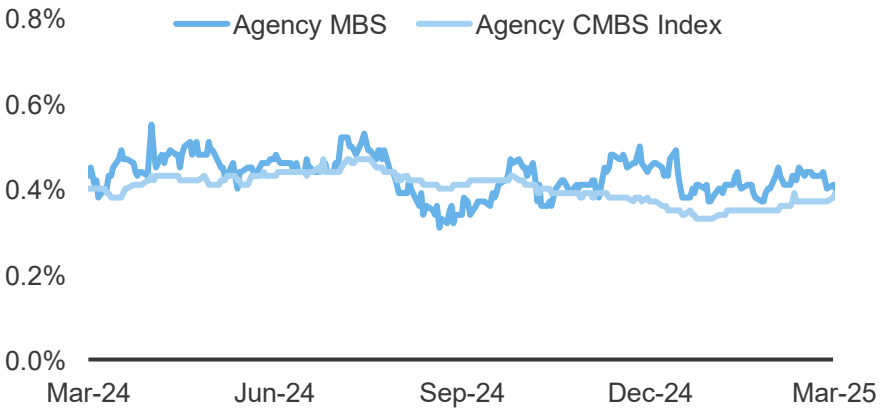
Federal Agency Yield Spreads



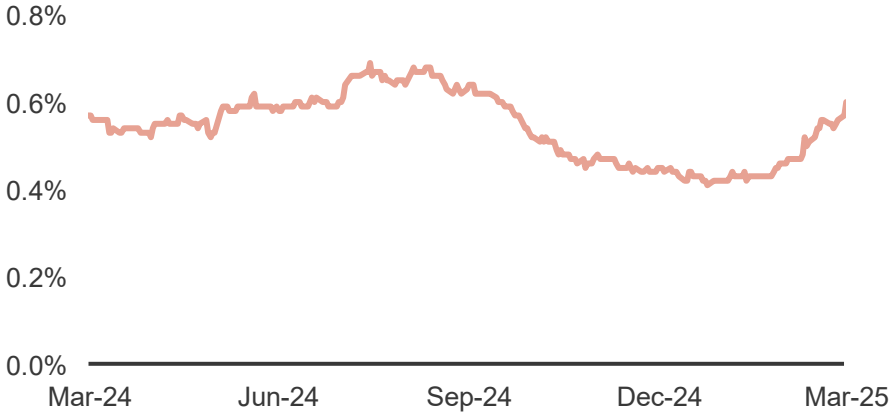
Corporate Notes A-AAA Yield Spreads



Mortgage-Backed Securities Yield Spreads



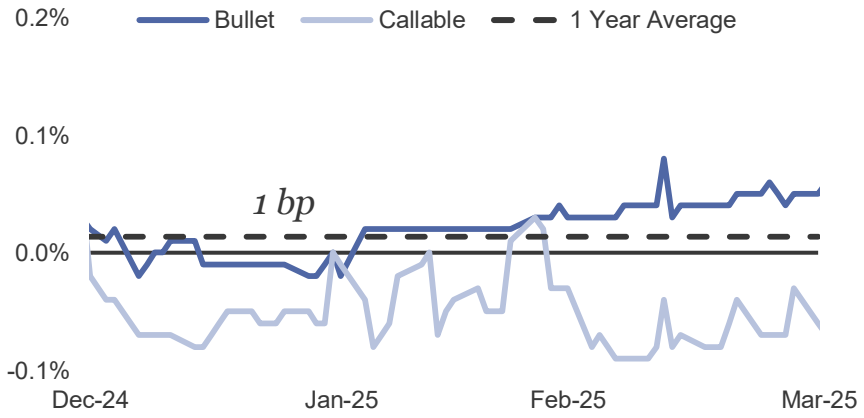
Asset-Backed Securities AAA Yield Spreads



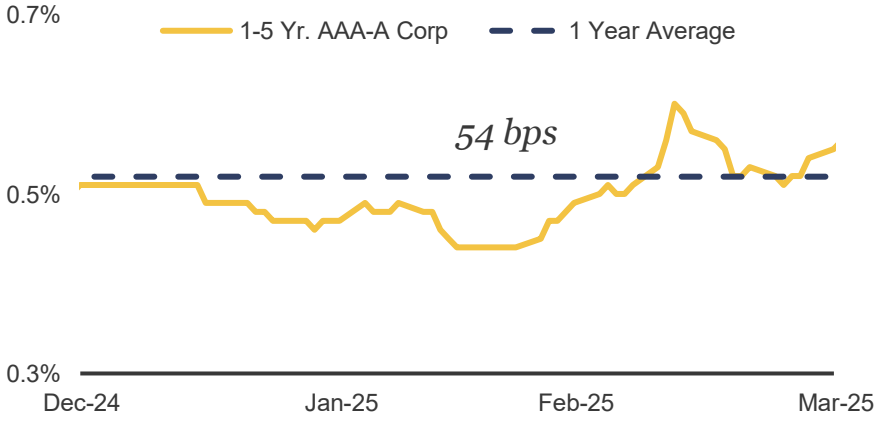
Source: ICE BofA 1-5 year Indices via Bloomberg, MarketAxess and PFMAM as of March 31, 2025. Spreads on ABS and MBS are option-adjusted spreads of 0-5 year indices based on weighted average life; spreads on agencies are relative to comparable maturity Treasuries.
CMBS is Commercial Mortgage-Backed Securities and represented by the ICE BofA Agency CMBS Index.

Sector Yield Spreads

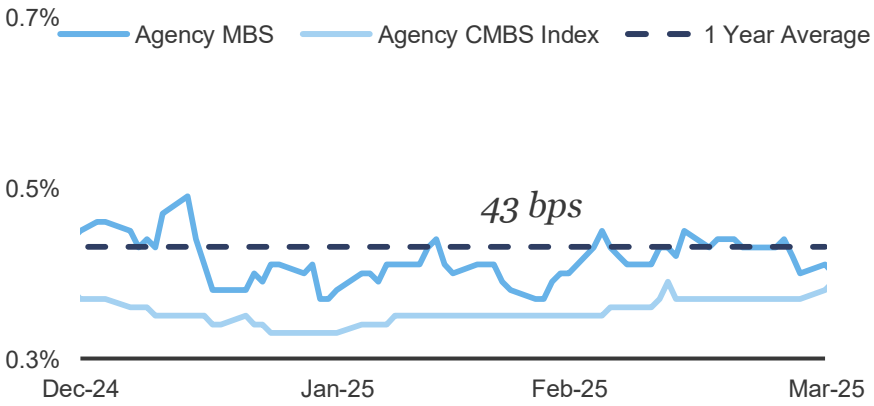
Federal Agency Yield Spreads



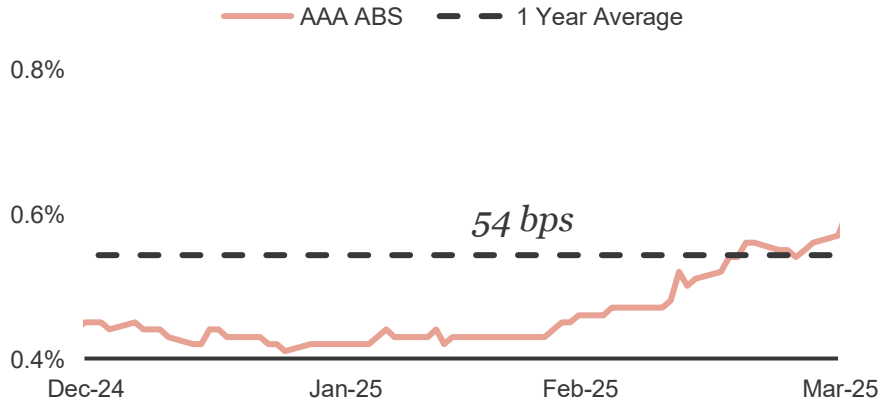
Corporate Notes A-AAA Yield Spreads



Mortgage-Backed Securities Yield Spreads

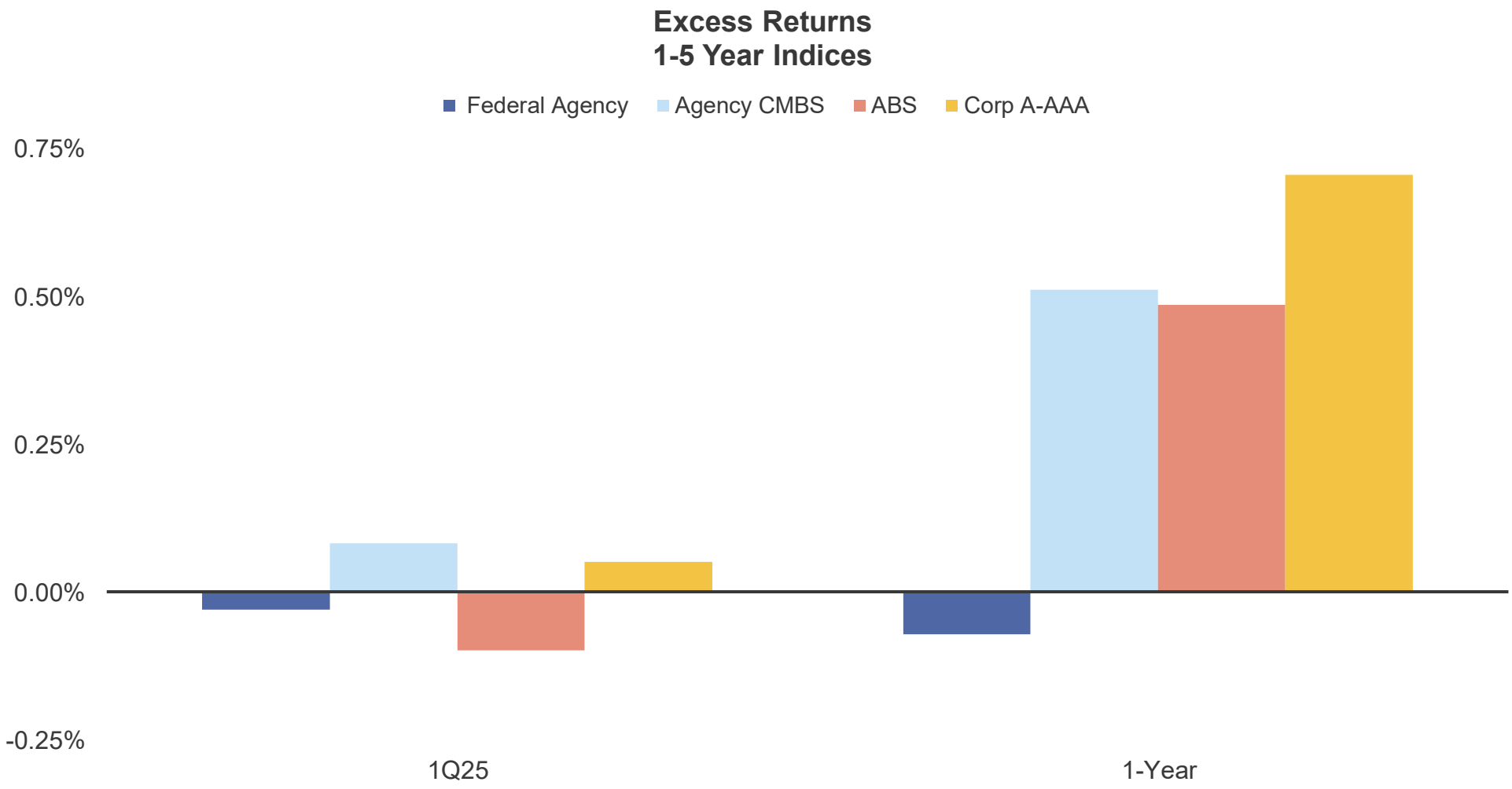


Asset-Backed Securities AAA Yield Spreads



Source: ICE BofA 1-5 year Indices via Bloomberg, MarketAxess and PFMAM as of March 31, 2025. Spreads on ABS and MBS are option-adjusted spreads of 0-5 year indices based on weighted average life; spreads on agencies are relative to comparable maturity Treasuries.
CMBS is Commercial Mortgage-Backed Securities and represented by the ICE BofA Agency CMBS Index.

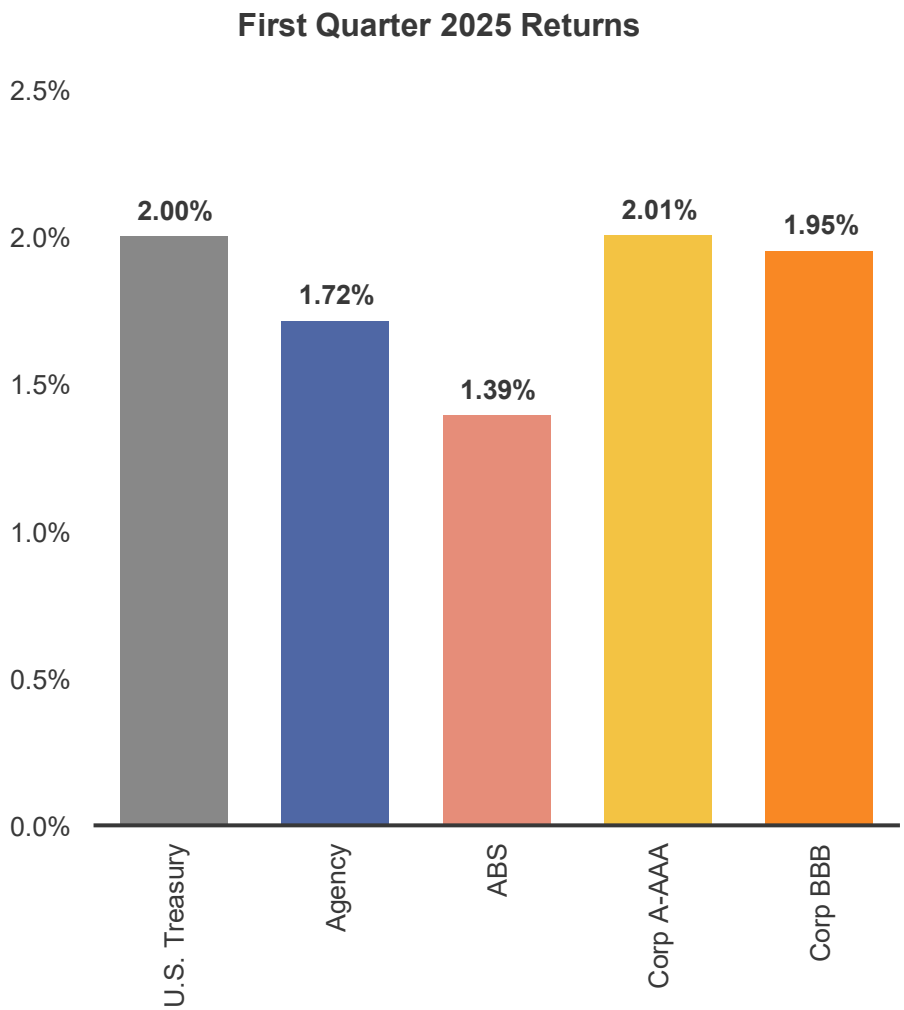
Fixed-Income Index Excess Returns

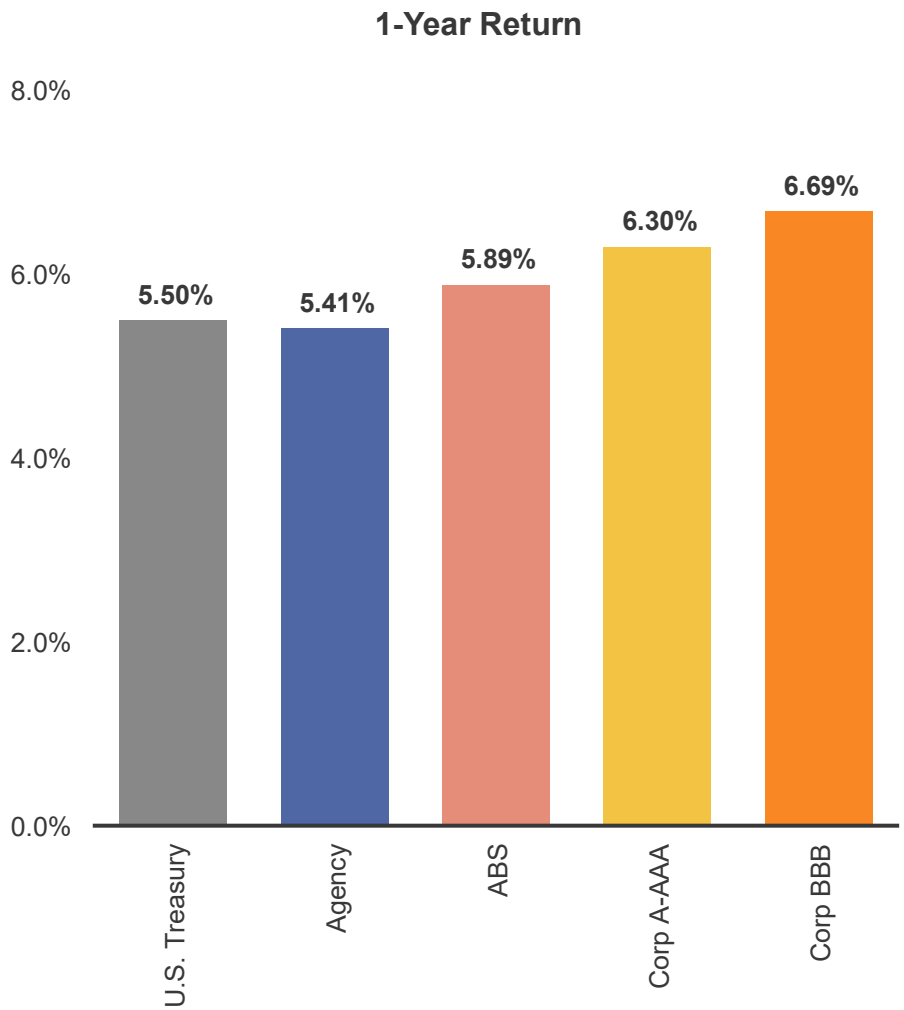


Source: ICE BofA Indices. ABS indices are 0-5 year, based on weighted average life. Agency CMBS represented by ICE BofA CMBY Index. As of March 31, 2025.

Fixed-Income Index Total Returns in 1Q 2025

1-5 Year Indices





Source: ICE BofA Indices. ABS indices are 0-5 year, based on weighted average life. As of March 31, 2025.

Fixed-Income Sector Commentary – 1Q 2025

- The **Federal Open Market Committee (FOMC)** opted to maintain the target range for the federal funds rate at 4.25-4.5% during both meetings in Q1, citing sticky inflation, a stable unemployment rate, and 'solid' labor market conditions.
- **U.S. Treasury** yields moved lower over the quarter as the 2-year Treasury yield fell 34 bps and 10-year Treasuries fell 37 bps. The change in yields reflected ongoing market sensitivity to domestic policy uncertainty, with a continued focus on the potential impacts of taxes, tariffs, immigration, and deregulation. As a result of the Treasury rally, total returns were strong for the period.
- **Federal Agency & supranational** spreads remained low and rangebound throughout Q1. Federal agencies produced modestly negative excess returns while supranationals were slightly positive. Issuance remained quite light and the incremental income from the sectors is near zero.
- **Investment-Grade (IG) corporate bonds** posted strong relative returns yet again as increased issuance levels were met with robust investor demand. Much of the spread widening seen during the second half of the quarter was offset by higher incremental income. From an excess return perspective, higher-quality and shorter-duration issuers outperformed in general in Q1. Financials and banking issuers continued to lead most other industries across the yield curve during the quarter.
- **Asset-Backed Securities** spreads widened modestly from the impact of heavy new issuance levels and a modest deterioration of credit fundamentals. ABS spreads widened more than corporate spreads, resulting in worse performance over the quarter but better relative value going forward.
- **Mortgage-Backed Securities** performance was mixed across structure and coupon during Q1 as heightened rate volatility persisted. In contrast, **Agency-backed commercial MBS (CMBS)** performed better for the quarter and saw positive excess returns across collateral and coupon structures.
- **Short-term credit** (commercial paper and negotiable bank CDs) yields on the front end fell in response to downward pressure from a paydown in the supply of U.S. Treasury Bills. Yield spreads tightened over the quarter in response to moderated issuance and strong demand.

Fixed-Income Sector Outlook – 2Q 2025

- **U.S. Treasury** volatility is expected to continue given both fiscal and monetary policy uncertainty. The potential impact of further policy changes on economic growth, inflation, and the labor market are unknown. We expect to see an ongoing steepening of the yield curve given the expectation for future Fed rate cuts.
- **Federal Agency & Supranational** spreads are likely to remain at tight levels. Government-heavy accounts may find occasional value on an issue-by-issue basis, particularly in supranationals as issuance increases in early Q2.
- **Taxable Municipals** continue to see little activity due to an ongoing lack of supply and strong demand which continues to suppress yields in both the new issue and secondary markets. We expect few opportunities in the near term.
- **Investment-Grade Corporate** bond fundamentals remain favorable while technicals have weakened on the margins. A protracted trade war and resulting hit to growth could weaken credit fundamentals and technicals. Valuations have repriced from narrow levels to reflect this uncertainty. We will selectively evaluate opportunities with a focus on industry and credit quality with an eye towards tactically reducing allocations in the sector to make room for future opportunities.
- **Asset-Backed Securities** fundamentals remain intact and credit metrics have normalized. Consumer credit trends will depend on the labor market and the consumer's response to monetary policy easing, which tends to work on a lag. We expect spreads to remain choppy heading into Q2 despite the stability in underlying technicals and view this as an opportunity to add allocations at more attractive levels.
- **Mortgage-Backed Securities** are expected to produce muted excess returns in Q2 as policy uncertainty may increase volatility. We may use any meaningful spread widening to add at more attractive levels.
- **Short-term credit** (commercial paper and negotiable bank CDs) spreads in Q2 will likely depend on changes to debt ceiling dynamics or the Fed's decision to slow the pace of quantitative tightening. Given the positively sloped shape of the money market yield curve, we favor a mix of floating rate in the front end with fixed rate in longer maturities.

Fixed-Income Sector Outlook – 2Q 2025

Sector	Our Investment Preferences
COMMERCIAL PAPER / CD	
TREASURIES	
T-Bill	
T-Note	
FEDERAL AGENCIES	
Bullets	
Callables	
SUPRANATIONALS	
CORPORATES	
Financials	
Industrials	
SECURITIZED	
Asset-Backed	
Agency Mortgage-Backed	
Agency CMBS	
MUNICIPALS	

Factors to Consider for 6-12 Months

Monetary Policy (Global):

- The Fed paused its easing cycle in the first quarter given sticky inflation and the solid labor market. While the FOMC's "dot plot" continues to suggest 50 bps in rate cuts by the end of 2025, Fed Chair Powell indicated there is heightened risk and uncertainty due to the new administration's policies.
- Other major central banks (excluding the Bank of Japan) continued to cut rates. However, inflation remains a risk to this trend continuing, particularly in light of tariff uncertainty.

Economic Growth (Global):

- U.S. economic growth remained steady in 2024, but worsening consumer sentiment may weigh on spending going forward.
- Pro-growth fiscal policies proposed on the campaign trail have yet to be realized, leaving rapidly changing tariff policy to weigh on growth prospects.
- Escalating trade tensions create the potential for slowing global growth.

Inflation (U.S.):

- Progress towards the Fed's 2% target remains stalled with goods inflation moving higher even before tariff policies were enacted.
- Consumer expectations for inflation over the next 12 months have now reached their highest levels since early 2023 on tariff concerns.
- Fed Chair Powell said the data are not yet reflecting tariffs and reiterated it will be difficult to directly measure the impact of these policies on prices.

Financial Conditions (U.S.):

- Financial conditions remained supportive in the first half of the quarter but tightened as ongoing tariff risks weighed on equity prices and credit spreads. While credit spreads widened modestly during the first quarter they remain below historic averages.
- The evolving fiscal landscape and growing uncertainty may lead to tightening financial conditions over the next 6-12 months.

Consumer Spending (U.S.):

- Sentiment has meaningfully deteriorated as consumers expect higher prices and weaker labor market conditions as tariffs weigh on the pace of economic growth.
- A material deterioration of labor market conditions remains the biggest risk factor to consumer spending. Other headwinds may include slower real wage growth and reduced willingness to spend as prices move higher due to tariffs.

Labor Markets:

- The labor market remains surprisingly resilient with both initial jobless claims and the unemployment rate at historically low levels. Monthly job gains continue to keep pace with labor force growth.
- With hiring and quits rates low, any acceleration in layoffs may result in job seekers remaining unemployed for longer.
- Federal job cuts and funding freezes could impact the hiring plans of sectors such as healthcare and higher education which rely on government funding. The impact of immigration policy remains unknown.

Current outlook **Outlook one quarter ago**

Stance Unfavorable to Risk Assets | **Negative** | **Slightly Negative** | **Neutral** | **Slightly Positive** | **Positive** | **Stance Favorable to Risk Assets**

Statements and opinions expressed about the next 6-12 months were developed based on our independent research with information obtained from Bloomberg and FactSet. The views expressed within this material constitute the perspective and judgment of PFM Asset Management at the time of distribution (3/31/2025) and are subject to change. Information is obtained from sources generally believed to be reliable and available to the public; however, PFM Asset Management cannot guarantee its accuracy, completeness, or suitability.

Account Summary

Account Summary

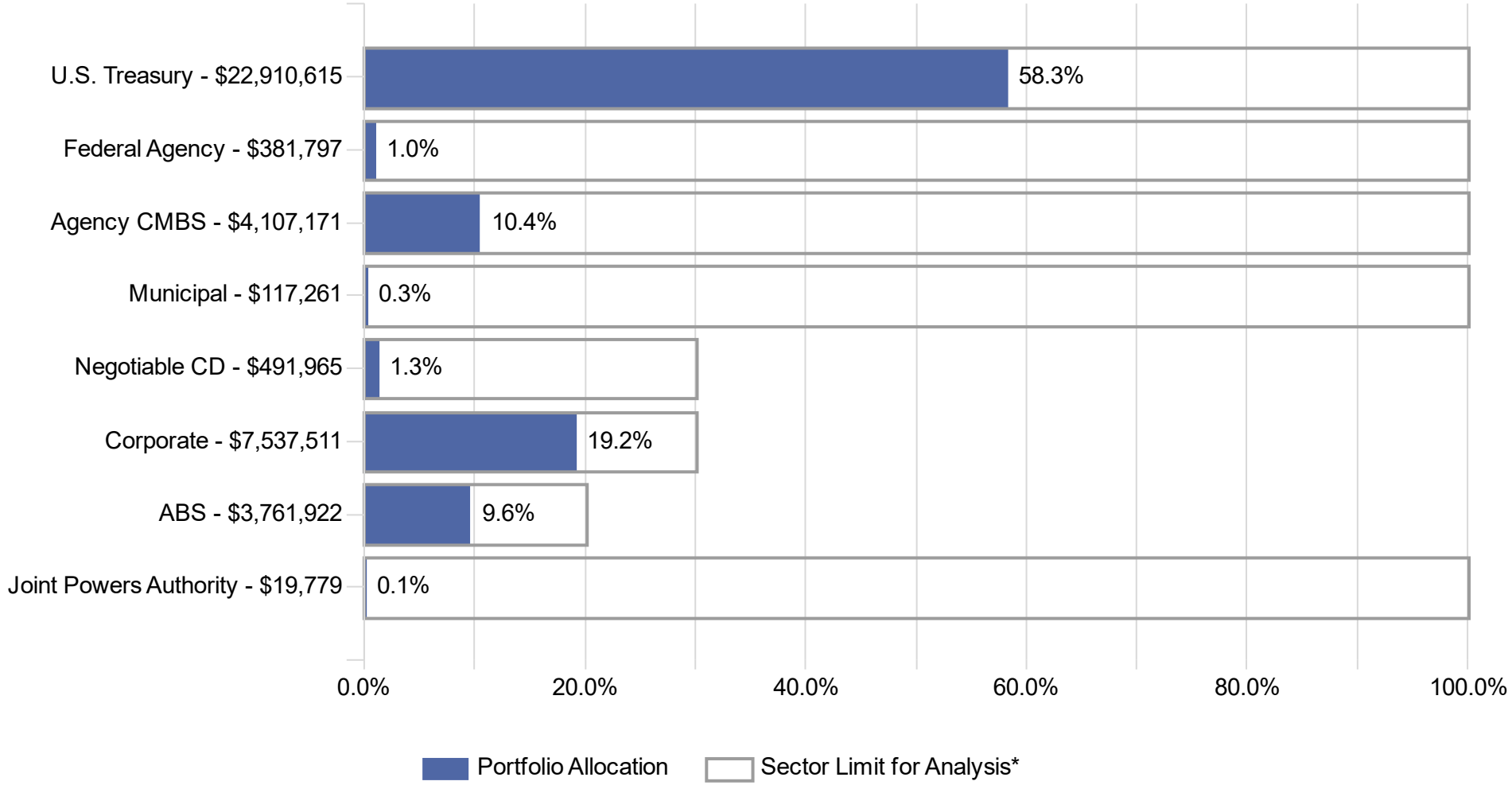
Fairfield-Suisun Sewer District - Fairfield-Suisun Sewer District - 6043-001

Portfolio Values	March 31, 2025
CAMP Managed Account	$39,067,804
CAMP Pool	$19,779
Amortized Cost	$38,983,578
Market Value	$39,067,804
Accrued Interest	$240,440
Cash	$0

Analytics[1]	March 31, 2025
Yield at Market	4.12%
Yield on Cost	4.14%
Portfolio Duration	2.49
CAMP Pool7-Day Yield	4.47%

1. *Yield at market, yield on cost, and portfolio duration only include investments held within the separately managed account(s), excludes balances invested in overnight funds.*
2. *The current 7-day yield is the net change, exclusive of capital changes and income other than investment income, in the value of a hypothetical fund account with a balance of one share over the seven-day base period including the statement date, expressed as a percentage of the value of one share (normally $1.00 per share) at the beginning of the seven-day period. This resulting net change in account value is then annualized by multiplying it by 365 and dividing the result by 7. The yields quoted should not be considered a representation of the yield of the fund in the future, since the yield is not fixed.*

Sector Allocation Analytics



For informational/analytical purposes only and is not provided for compliance assurance. Includes accrued interest.

**Sector Limit for Analysis is as derived from our interpretation of your most recent Investment Policy as provided.*

Issuer Diversification

Security Type / Issuer	Market Value (%)	S&P / Moody's / Fitch
U.S. Treasury	**58.3%**	
United States Treasury	58.3%	AA / Aaa / AA
Federal Agency	**1.0%**	
Federal Home Loan Banks	1.0%	AA / Aaa / NR
Agency CMBS	**10.4%**	
Federal Home Loan Mortgage Corp	9.7%	AA / Aaa / AA
Federal National Mortgage Association	0.7%	AA / Aaa / AA
Municipal	**0.3%**	
California State University	0.2%	AA / Aa / NR
Los Angeles Unified School District/CA	0.1%	NR / Aa / AAA
Negotiable CD	**1.3%**	
Cooperatieve Rabobank UA	0.8%	A / Aa / AA
Groupe BPCE	0.5%	A / A / A
Corporate	**19.2%**	
Abbott Laboratories	0.4%	AA / Aa / NR
Adobe Inc	0.7%	A / A / NR
Air Products and Chemicals Inc	0.4%	A / A / NR
Amazon.com Inc	0.4%	AA / A / AA
American Express Co	0.4%	A / A / A
Analog Devices Inc	0.4%	A / A / A
Bank of America Corp	0.7%	A / Aa / AA
Bank of New York Mellon Corp	0.2%	A / Aa / AA
BlackRock Inc	1.0%	AA / Aa / NR
BP PLC	0.5%	A / A / A
Bristol-Myers Squibb Co	0.5%	A / A / NR
Caterpillar Inc	0.5%	A / A / A

Security Type / Issuer	Market Value (%)	S&P / Moody's / Fitch
Corporate	**19.2%**	
Cisco Systems Inc	0.3%	AA / A / NR
Citigroup Inc	0.6%	BBB / A / A
Deere & Co	0.2%	A / A / A
Goldman Sachs Group Inc	0.6%	A / A / A
Hershey Co	0.4%	A / A / NR
Home Depot Inc	0.4%	A / A / A
Honda Motor Co Ltd	0.6%	A / A / A
International Business Machines Corp	0.4%	A / A / A
Johnson & Johnson	0.1%	AAA / Aaa / NR
JPMorgan Chase & Co	0.9%	A / A / AA
Lockheed Martin Corp	0.2%	A / A / A
Merck & Co Inc	0.2%	A / Aa / NR
Meta Platforms Inc	0.4%	AA / Aa / NR
Morgan Stanley	0.8%	A / Aa / AA
National Australia Bank Ltd	0.7%	AA / Aa / NR
National Rural Utilities Cooperative Fi	0.6%	A / A / A
Northern Trust Corp	0.3%	A / A / A
PACCAR Inc	0.6%	A / A / NR
PepsiCo Inc	0.4%	A / A / NR
State Street Corp	0.8%	A / Aa / AA
Texas Instruments Inc	0.4%	A / Aa / NR
Toyota Motor Corp	0.6%	A / A / A
Truist Financial Corp	0.4%	A / Baa / A
UnitedHealth Group Inc	0.4%	A / A / A
Walmart Inc	0.6%	AA / Aa / AA
Wells Fargo & Co	1.2%	A / Aa / AA

Ratings shown are calculated by assigning a numeral value to each security rating, then calculating a weighted average rating for each security type / issuer category using all available security ratings, excluding Not-Rated (NR) ratings. For security type / issuer categories where a rating from the applicable NRSRO is not available, a rating of NR is assigned. Includes accrued interest and excludes balances invested in overnight funds.

Issuer Diversification

Security Type / Issuer	Market Value (%)	S&P / Moody's / Fitch
ABS	**9.6%**	
American Express Co	0.9%	AAA / NR / AAA
BA Credit Card Trust	1.0%	AAA / Aaa / AAA
BMW Vehicle Lease Trust	0.7%	AAA / Aaa / AAA
Capital One Financial Corp	0.6%	AAA / NR / AAA
CarMax Inc	0.2%	AAA / NR / AAA
Discover Card Execution Note Trust	0.5%	AAA / Aaa / NR
Ford Credit Auto Owner Trust	0.9%	AAA / Aaa / AAA
GM Financial Consumer Automobile Receiv	0.6%	AAA / Aaa / AAA
Honda Auto Receivables Owner Trust	0.4%	AAA / Aaa / NR
Hyundai Auto Receivables Trust	0.6%	AAA / NR / AAA
JPMorgan Chase & Co	0.5%	AAA / NR / AAA
Mercedes-Benz Auto Receivables Trust	0.6%	AAA / Aaa / AAA
Nissan Auto Receivables Owner Trust	0.1%	NR / Aaa / AAA
Verizon Master Trust	0.7%	NR / Aaa / AAA
Volkswagen Auto Loan Enhanced Trust	0.6%	NR / Aaa / AAA
WF Card Issuance Trust	0.6%	AAA / Aaa / AAA
World Omni Auto Trust	0.0%	AAA / NR / AAA
Total	**100.0%**	

Ratings shown are calculated by assigning a numeral value to each security rating, then calculating a weighted average rating for each security type / issuer category using all available security ratings, excluding Not-Rated (NR) ratings. For security type / issuer categories where a rating from the applicable NRSRO is not available, a rating of NR is assigned. Includes accrued interest and excludes balances invested in overnight funds.

Certificate of Compliance

During the reporting period for the quarter ended March 31, 2025, the account(s) managed by PFM Asset Management ("PFMAM") were in compliance with the applicable investment policy and guidelines as furnished to PFMAM.

Acknowledged : *PFM Asset Management, a division of U.S. Bancorp Asset Management, Inc.*

Note: Pre- and post-trade compliance for the account(s) managed by PFM Asset Management is provided via Bloomberg Financial LP Asset and Investment Management ("AIM").

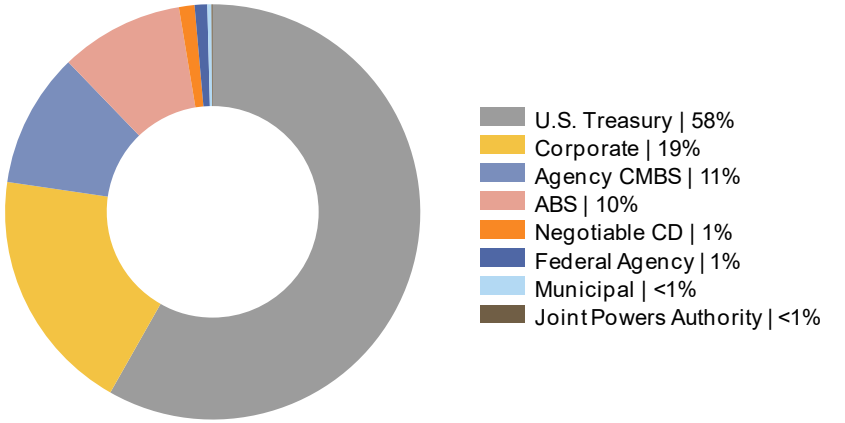
Portfolio Review:
CAMP-FAIRFIELD-SUISUN SEWER DISTRICT

Portfolio Snapshot - CAMP-FAIRFIELD-SUISUN SEWER DISTRICT[1]

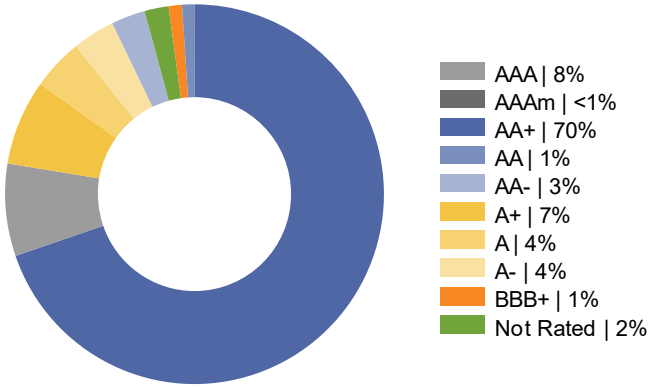
Portfolio Statistics

Total Market Value	$39,328,023.12
Managed Account Sub-Total	*$39,067,803.56*
Accrued Interest	*$240,440.14*
Pool	*$19,779.42*
Portfolio Effective Duration	2.49 years
Benchmark Effective Duration	2.48 years
Yield At Cost	4.14%
Yield At Market	4.12%
Portfolio Credit Quality	AA

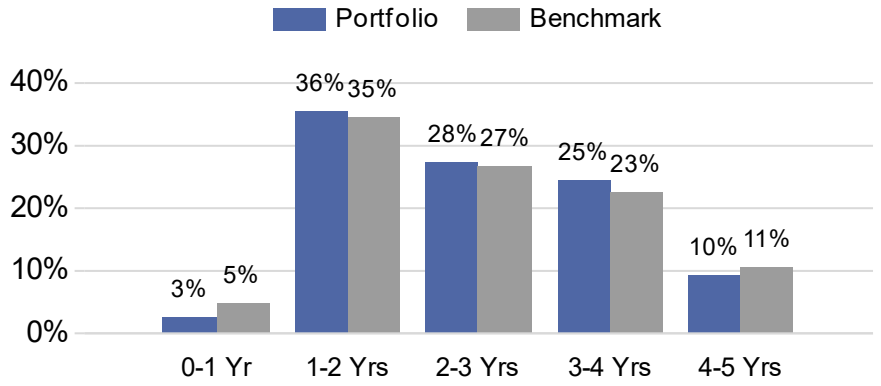
Sector Allocation



Credit Quality - S&P



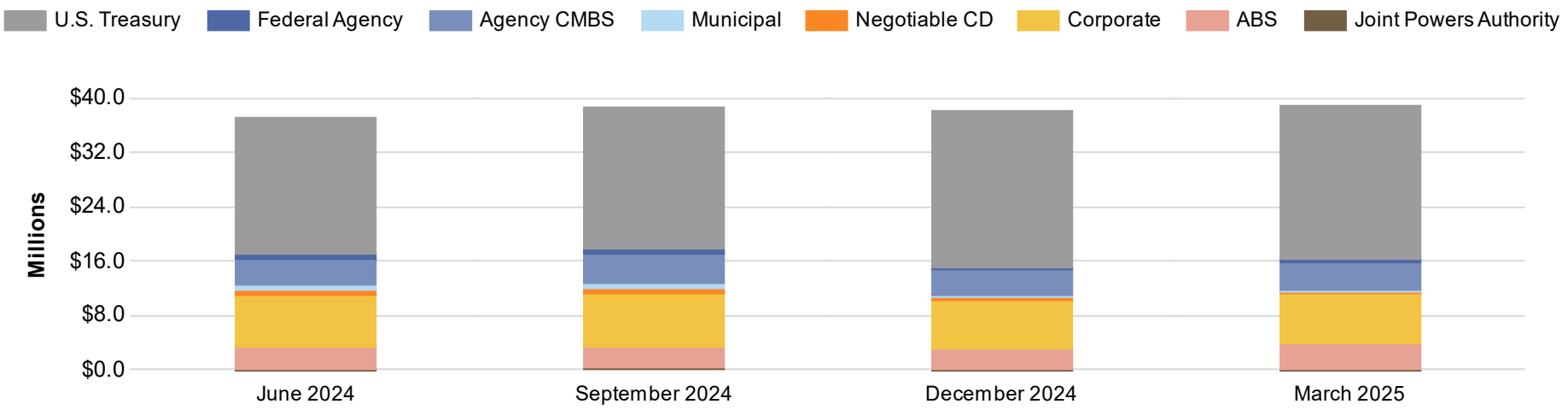
Duration Distribution



1. *Total market value includes accrued interest and balances invested in CAMP, as of March 31, 2025.*
   Yield and duration calculations exclude balances invested in CAMP.
   The portfolio's benchmark is currently the 1-5 Year U.S. Treasury Index. Source: Bloomberg Financial LP.
   An average of each security's credit rating was assigned a numeric value and adjusted for its relative weighting in the portfolio.

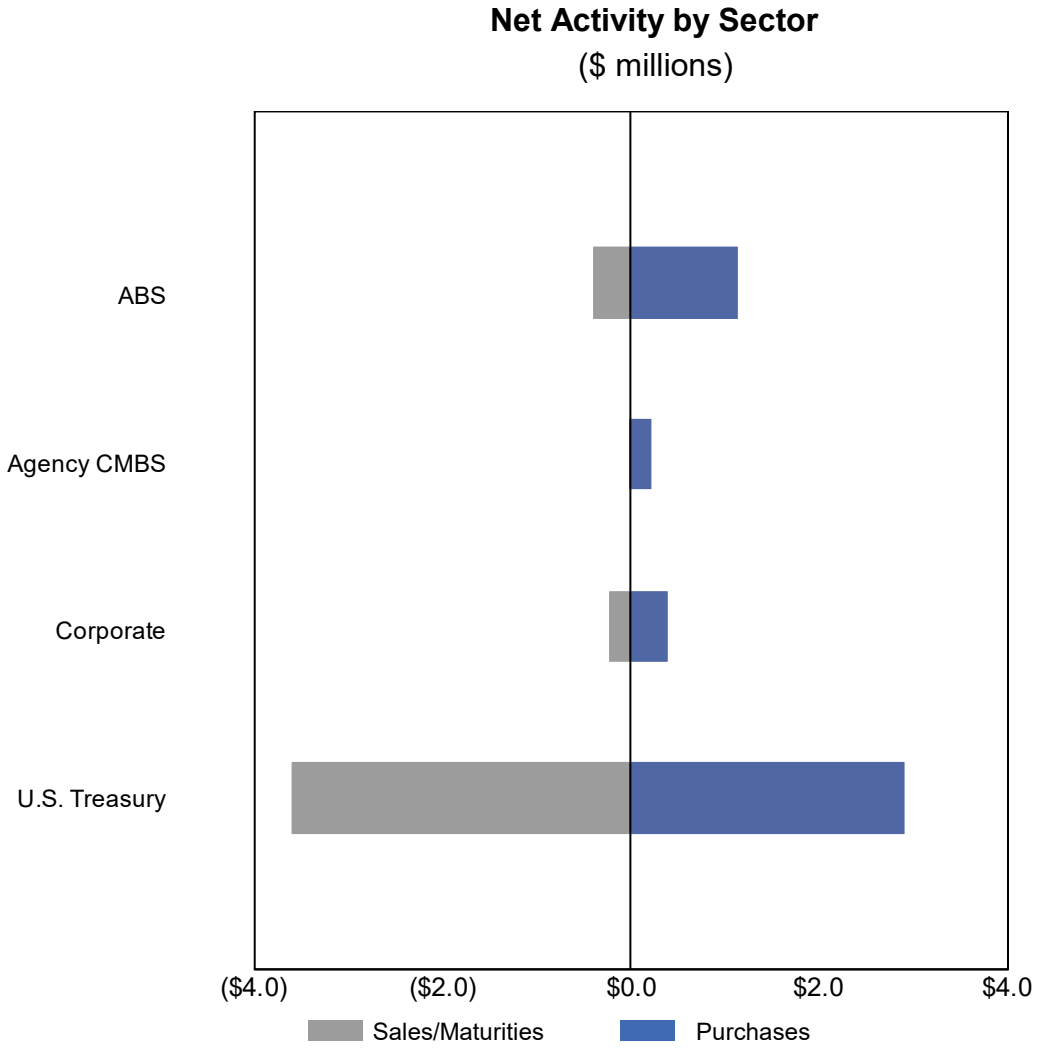
Sector Allocation Review - CAMP-FAIRFIELD-SUISUN SEWER DISTRICT

Security Type	Jun-24	% of Total	Sep-24	% of Total	Dec-24	% of Total	Mar-25	% of Total
U.S. Treasury	$20.1	53.8%	$20.8	53.9%	$23.1	60.3%	$22.8	58.2%
Federal Agency	$0.8	2.1%	$0.8	2.1%	$0.4	1.0%	$0.4	1.0%
Agency CMBS	$3.9	10.4%	$4.2	11.0%	$3.8	10.0%	$4.1	10.5%
Municipal	$0.9	2.3%	$0.7	1.8%	$0.1	0.3%	$0.1	0.3%
Negotiable CD	$0.7	2.0%	$0.7	1.9%	$0.5	1.3%	$0.5	1.2%
Corporate	$7.5	20.2%	$7.9	20.6%	$7.2	18.9%	$7.5	19.1%
ABS	$3.3	8.8%	$3.2	8.3%	$3.0	7.9%	$3.8	9.6%
Joint Powers Authority	$0.2	0.4%	$0.2	0.4%	$0.1	0.3%	$0.0	0.1%
Total	**$37.3**	**100.0%**	**$38.6**	**100.0%**	**$38.3**	**100.0%**	**$39.1**	**100.0%**



Market values, excluding accrued interest. Only includes fixed-income securities held within the separately managed account(s) and LGIPs managed by PFMAM. Detail may not add to total due to rounding.

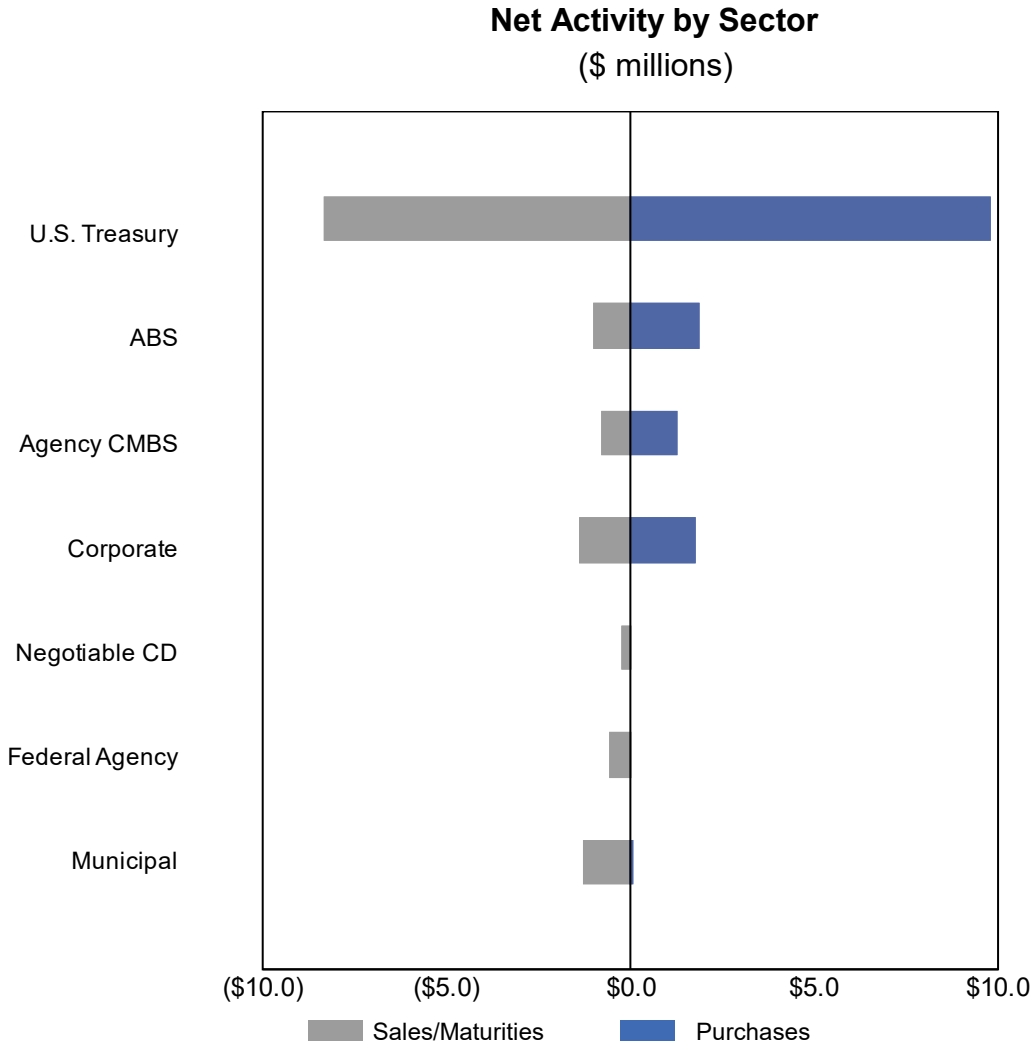
Portfolio Activity - CAMP-FAIRFIELD-SUISUN SEWER DISTRICT



Sector	Net Activity
ABS	$737,437
Agency CMBS	$208,709
Corporate	$179,600
U.S. Treasury	($698,278)
Total Net Activity	**$427,468**

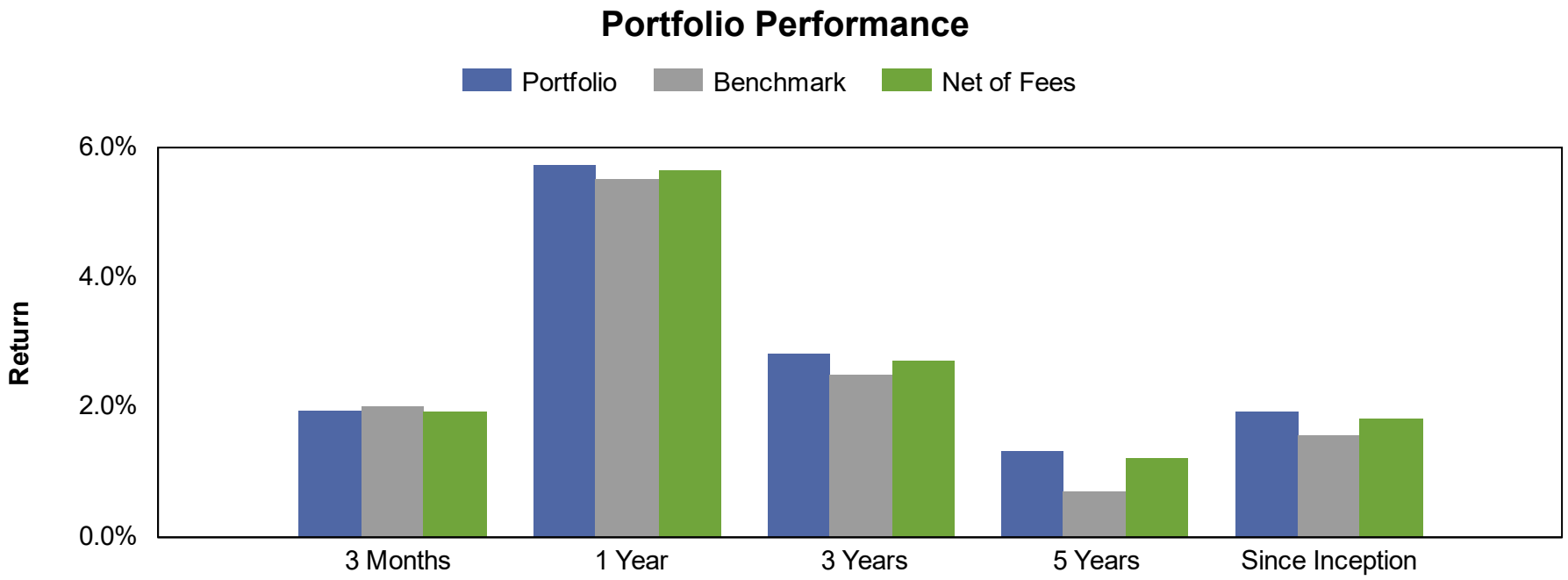
Based on total proceeds (principal and accrued interest) of buys, sells, maturities, and principal paydowns. Detail may not add to total due to rounding.

Portfolio Activity (12 Months) - CAMP-FAIRFIELD-SUISUN SEWER DISTRICT



Sector	Net Activity
U.S. Treasury	$1,444,329
ABS	$859,346
Agency CMBS	$500,943
Corporate	$361,240
Negotiable CD	($252,893)
Federal Agency	($575,969)
Municipal	($1,202,404)
Total Net Activity	**$1,134,591**

Based on total proceeds (principal and accrued interest) of buys, sells, maturities, and principal paydowns. Detail may not add to total due to rounding.

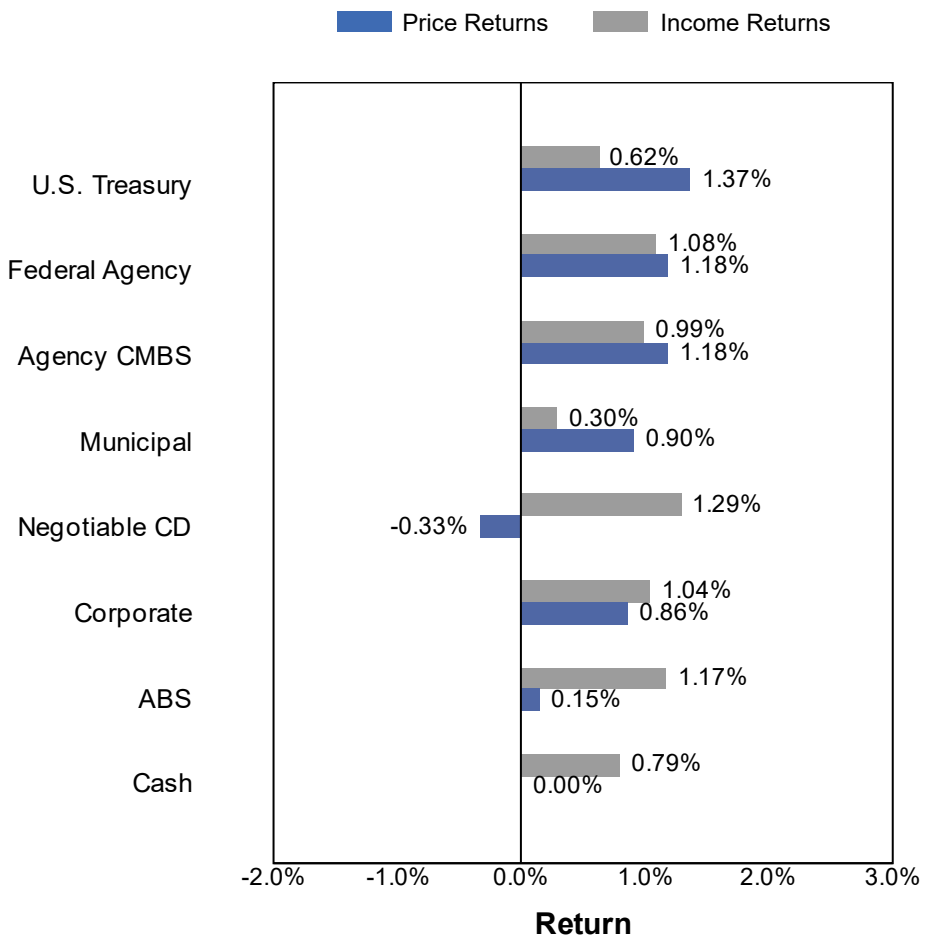


Market Value Basis Earnings	3 Months	1 Year	3 Years	5 Years	Since Inception[1]
Interest Earned[2]	$313,660	$1,207,792	$2,391,531	$3,105,538	$4,322,061
Change in Market Value	$433,360	$916,372	$662,870	($503,556)	$75,701
Total Dollar Return	**$747,020**	**$2,124,164**	**$3,054,401**	**$2,601,982**	**$4,397,762**
Total Return[3]					
Portfolio	1.94%	5.74%	2.81%	1.32%	1.92%
Benchmark[4]	2.00%	5.50%	2.49%	0.71%	1.56%
Basis Point Fee	0.02%	0.09%	0.10%	0.10%	0.10%
Net of Fee Return	1.92%	5.64%	2.72%	1.23%	1.82%

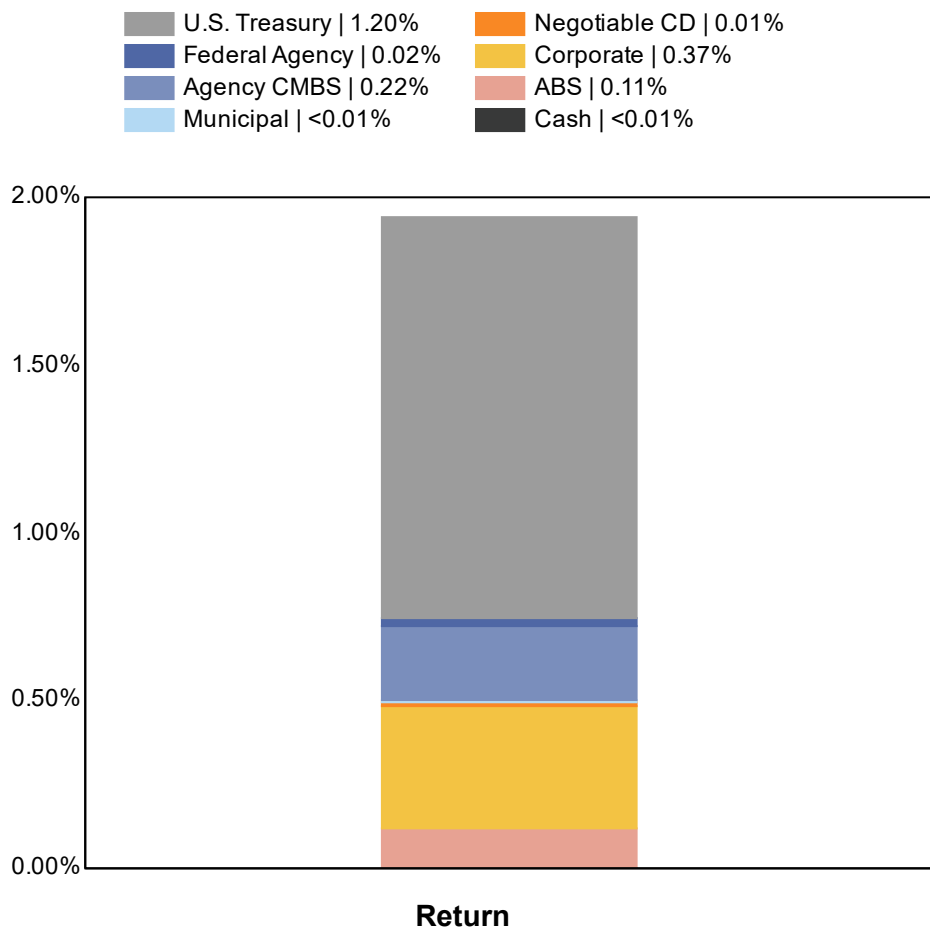
1. *The lesser of 10 years or since inception is shown. Since inception returns for periods one year or less are not shown. Performance inception date is March 31, 2017.*
2. *Interest earned calculated as the ending accrued interest less beginning accrued interest, plus net interest activity.*
3. *Returns for periods one year or less are presented on a periodic basis. Returns for periods greater than one year are presented on an annualized basis.*
4. *The portfolio's benchmark is currently the 1-5 Year U.S. Treasury Index. Source: Bloomberg Financial LP.*

Quarterly Sector Performance

Total Return by Sector

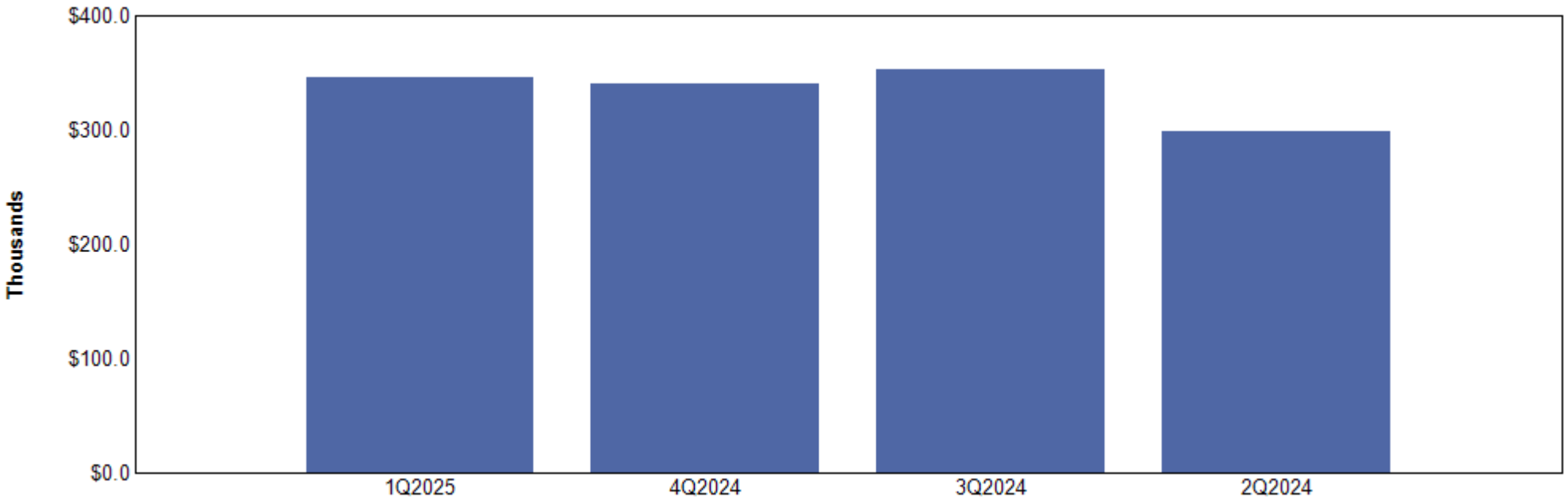


Contribution to Total Return



1. *Performance on trade-date basis, gross (i.e., before fees), in accordance with the CFA Institute's Global Investment Performance Standards (GIPS).*
2. *Income returns calculated as interest earned on investments during the period.*
3. *Price returns calculated as the change in market value of each security for the period.*
4. *Returns are presented on a periodic basis.*

Accrual Basis Earnings - CAMP-FAIRFIELD-SUISUN SEWER DISTRICT



Accrual Basis Earnings	1Q2025	4Q2024	3Q2024	2Q2024
Interest Earned[1]	$313,660	$304,357	$298,590	$291,184
Realized Gains / (Losses)[2]	($47,891)	($42,400)	($16,031)	($77,612)
Change in Amortized Cost	$80,428	$78,494	$70,543	$85,540
Total Earnings	**$346,197**	**$340,451**	**$353,102**	**$299,112**

1. Interest earned calculated as the ending accrued interest less beginning accrued interest, plus net interest activity.
2. Realized gains / (losses) are shown on an amortized cost basis.

Portfolio Holdings and Transactions:
CAMP-FAIRFIELD-SUISUN SEWER DISTRICT

Issuer Distribution
As of March 31, 2025

Issuer	Market Value ($)	% of Portfolio
UNITED STATES TREASURY	22,774,207	58.25%
FEDERAL HOME LOAN MORTGAGE CORP	3,808,820	9.73%
JPMORGAN CHASE & CO	536,316	1.36%
AMERICAN EXPRESS CO	518,093	1.32%
WELLS FARGO & CO	478,235	1.22%
BLACKROCK INC	405,732	1.04%
FEDERAL HOME LOAN BANKS	380,813	0.97%
BA CREDIT CARD TRUST	379,213	0.97%
FORD CREDIT AUTO OWNER TRUST	366,295	0.94%
COOPERATIEVE RABOBANK UA	304,941	0.78%
STATE STREET CORP	303,462	0.78%
MORGAN STANLEY	295,320	0.76%
FEDERAL NATIONAL MORTGAGE ASSOCIATION	284,692	0.73%
BANK OF AMERICA CORP	284,433	0.73%
VERIZON MASTER TRUST	280,088	0.72%
ADOBE INC	275,019	0.70%
BMW VEHICLE LEASE TRUST	269,052	0.69%
MERCEDES-BENZ AUTO RECEIVABLES TRUST	254,870	0.65%
NATIONAL AUSTRALIA BANK LTD	253,866	0.65%
WALMART INC	248,741	0.64%
NATIONAL RURAL UTILITIES COOPERATIVE FI	237,966	0.61%
WF CARD ISSUANCE TRUST	237,762	0.61%
HYUNDAI AUTO RECEIVABLES TRUST	236,842	0.61%
GM FINANCIAL CONSUMER AUTOMOBILE RECEIV	233,925	0.60%

Issuer	Market Value ($)	% of Portfolio
VOLKSWAGEN AUTO LOAN ENHANCED TRUST	230,585	0.59%
CAPITAL ONE FINANCIAL CORP	230,078	0.59%
PACCAR INC	223,206	0.57%
HONDA MOTOR CO LTD	222,734	0.57%
GOLDMAN SACHS GROUP INC	222,035	0.57%
CITIGROUP INC	221,508	0.57%
TOYOTA MOTOR CORP	218,530	0.56%
BRISTOL-MYERS SQUIBB CO	214,210	0.55%
CATERPILLAR INC	209,386	0.54%
BP PLC	203,161	0.52%
DISCOVER CARD EXECUTION NOTE TRUST	201,378	0.52%
GROUPE BPCE	178,574	0.46%
PEPSICO INC	166,388	0.43%
AIR PRODUCTS AND CHEMICALS INC	166,210	0.43%
HERSHEY CO	161,185	0.41%
ANALOG DEVICES INC	159,830	0.41%
UNITEDHEALTH GROUP INC	159,298	0.41%
HOME DEPOT INC	156,948	0.40%
TRUIST FINANCIAL CORP	155,092	0.40%
AMAZON.COM INC	151,511	0.39%
INTERNATIONAL BUSINESS MACHINES CORP	149,227	0.38%
ABBOTT LABORATORIES	144,134	0.37%
META PLATFORMS INC	141,588	0.36%
TEXAS INSTRUMENTS INC	141,360	0.36%
HONDA AUTO RECEIVABLES OWNER TRUST	141,331	0.36%
CISCO SYSTEMS INC	127,106	0.33%
NORTHERN TRUST CORP	99,447	0.25%

Issuer	Market Value ($)	% of Portfolio
BANK OF NEW YORK MELLON CORP	96,190	0.25%
LOCKHEED MARTIN CORP	85,334	0.22%
CARMAX INC	72,292	0.18%
DEERE & CO	71,359	0.18%
MERCK & CO INC	69,807	0.18%
CALIFORNIA STATE UNIVERSITY	58,840	0.15%
LOS ANGELES UNIFIED SCHOOL DISTRICT/CA	57,988	0.15%
JOHNSON & JOHNSON	55,569	0.14%
NISSAN AUTO RECEIVABLES OWNER TRUST	50,552	0.13%
CAMP POOL	19,779	0.05%
WORLD OMNI AUTO TRUST	5,132	0.01%
Grand Total	**39,087,583**	**100.00%**

Managed Account Detail of Securities Held

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
U.S. Treasury											
US TREASURY N/B DTD 03/15/2023 4.625% 03/15/2026	91282CGR6	105,000.00	AA+	Aaa	3/26/2024	3/28/2024	104,975.39	4.64	224.34	104,988.06	105,525.00
US TREASURY N/B DTD 04/30/2021 0.750% 04/30/2026	91282CBW0	85,000.00	AA+	Aaa	1/21/2022	1/24/2022	82,350.39	1.51	267.68	84,329.51	82,052.88
US TREASURY N/B DTD 06/30/2021 0.875% 06/30/2026	91282CCJ8	320,000.00	AA+	Aaa	8/2/2021	8/4/2021	323,250.00	0.66	703.87	320,825.66	307,874.88
US TREASURY N/B DTD 06/30/2021 0.875% 06/30/2026	91282CCJ8	280,000.00	AA+	Aaa	4/1/2022	4/5/2022	260,312.50	2.64	615.88	274,209.56	269,390.52
US TREASURY N/B DTD 07/17/2023 4.500% 07/15/2026	91282CHM6	555,000.00	AA+	Aaa	12/19/2023	12/20/2023	558,642.18	4.23	5,243.37	556,824.97	558,338.88
US TREASURY N/B DTD 08/02/2021 0.625% 07/31/2026	91282CCP4	195,000.00	AA+	Aaa	9/3/2024	9/5/2024	183,193.36	3.96	202.00	186,630.00	186,529.79
US TREASURY N/B DTD 08/02/2021 0.625% 07/31/2026	91282CCP4	350,000.00	AA+	Aaa	1/3/2022	1/5/2022	339,199.22	1.32	362.57	346,853.01	334,797.05
US TREASURY N/B DTD 08/15/2016 1.500% 08/15/2026	9128282A7	150,000.00	AA+	Aaa	5/2/2022	5/4/2022	140,912.11	3.02	279.70	147,088.85	145,037.10
US TREASURY N/B DTD 08/15/2016 1.500% 08/15/2026	9128282A7	500,000.00	AA+	Aaa	8/28/2024	8/29/2024	477,460.94	3.91	932.32	484,025.36	483,457.00
US TREASURY N/B DTD 09/03/2024 3.750% 08/31/2026	91282CLH2	150,000.00	AA+	Aaa	10/21/2024	10/22/2024	149,214.84	4.04	489.13	149,397.24	149,502.00
US TREASURY N/B DTD 08/31/2021 0.750% 08/31/2026	91282CCW9	500,000.00	AA+	Aaa	1/21/2022	1/24/2022	482,480.47	1.54	326.09	494,608.57	477,949.00
US TREASURY N/B DTD 09/30/2021 0.875% 09/30/2026	91282CCZ2	55,000.00	AA+	Aaa	10/1/2021	10/6/2021	54,828.13	0.94	1.31	54,948.34	52,544.36
US TREASURY N/B DTD 11/01/2021 1.125% 10/31/2026	91282CDG3	450,000.00	AA+	Aaa	11/1/2021	11/3/2021	447,908.20	1.22	2,125.69	449,336.77	430,523.55
US TREASURY N/B DTD 11/15/2023 4.625% 11/15/2026	91282CJK8	700,000.00	AA+	Aaa	12/19/2023	12/20/2023	708,777.34	4.16	12,252.42	705,029.84	707,081.90
US TREASURY N/B DTD 11/15/2016 2.000% 11/15/2026	912828U24	325,000.00	AA+	Aaa	11/1/2024	11/5/2024	311,530.27	4.15	2,459.94	314,141.52	315,046.88

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
U.S. Treasury											
US TREASURY N/B DTD 11/15/2016 2.000% 11/15/2026	912828U24	365,000.00	AA+	Aaa	12/2/2024	12/5/2024	349,972.27	4.23	2,762.71	352,390.18	353,821.88
US TREASURY N/B DTD 12/31/2024 4.250% 12/31/2026	91282CME8	650,000.00	AA+	Aaa	1/2/2025	1/7/2025	650,304.69	4.22	6,944.41	650,270.96	653,173.95
US TREASURY N/B DTD 12/31/2021 1.250% 12/31/2026	91282CDQ1	150,000.00	AA+	Aaa	1/3/2022	1/5/2022	149,296.87	1.35	471.34	149,753.27	143,220.75
US TREASURY N/B DTD 02/15/2017 2.250% 02/15/2027	912828V98	250,000.00	AA+	Aaa	6/2/2022	6/6/2022	242,470.70	2.94	699.24	246,992.67	242,422.00
US TREASURY N/B DTD 02/15/2017 2.250% 02/15/2027	912828V98	320,000.00	AA+	Aaa	7/1/2022	7/6/2022	310,575.00	2.94	895.03	316,168.47	310,300.16
US TREASURY N/B DTD 02/15/2017 2.250% 02/15/2027	912828V98	200,000.00	AA+	Aaa	8/1/2022	8/5/2022	195,914.06	2.73	559.39	198,308.84	193,937.60
US TREASURY N/B DTD 03/02/2020 1.125% 02/28/2027	912828ZB9	250,000.00	AA+	Aaa	9/6/2023	9/8/2023	222,246.09	4.62	244.57	234,734.26	237,158.25
US TREASURY N/B DTD 03/31/2022 2.500% 03/31/2027	91282CEF4	275,000.00	AA+	Aaa	5/18/2023	5/24/2023	262,603.52	3.77	18.78	268,577.09	267,587.93
US TREASURY N/B DTD 03/31/2022 2.500% 03/31/2027	91282CEF4	250,000.00	AA+	Aaa	3/3/2025	3/5/2025	242,519.53	4.02	17.08	242,775.26	243,261.75
US TREASURY N/B DTD 05/02/2022 2.750% 04/30/2027	91282CEN7	200,000.00	AA+	Aaa	12/19/2023	12/20/2023	191,679.69	4.09	2,309.39	194,853.21	195,343.80
US TREASURY N/B DTD 05/15/2017 2.375% 05/15/2027	912828X88	300,000.00	AA+	Aaa	8/10/2022	8/12/2022	293,367.19	2.88	2,696.48	297,044.45	290,554.80
US TREASURY N/B DTD 05/15/2017 2.375% 05/15/2027	912828X88	530,000.00	AA+	Aaa	11/1/2022	11/4/2022	488,904.30	4.28	4,763.78	510,757.37	513,313.48
US TREASURY N/B DTD 08/01/2022 2.750% 07/31/2027	91282CFB2	535,000.00	AA+	Aaa	1/2/2024	1/5/2024	512,575.98	4.02	2,438.54	520,354.69	521,144.57
US TREASURY N/B DTD 08/15/2017 2.250% 08/15/2027	9128282R0	200,000.00	AA+	Aaa	11/1/2022	11/4/2022	182,875.00	4.25	559.39	191,501.29	192,515.60
US TREASURY N/B DTD 08/15/2017 2.250% 08/15/2027	9128282R0	400,000.00	AA+	Aaa	12/6/2023	12/7/2023	373,031.25	4.24	1,118.78	382,661.52	385,031.20
US TREASURY N/B DTD 08/31/2020 0.500% 08/31/2027	91282CAH4	300,000.00	AA+	Aaa	10/1/2024	10/3/2024	275,238.28	3.51	130.43	279,284.38	276,562.50
US TREASURY N/B DTD 08/31/2020 0.500% 08/31/2027	91282CAH4	375,000.00	AA+	Aaa	12/5/2022	12/7/2022	322,368.16	3.77	163.04	348,135.83	345,703.13

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
U.S. Treasury											
US TREASURY N/B DTD 09/30/2020 0.375% 09/30/2027	91282CAL5	135,000.00	AA+	Aaa	10/28/2024	10/31/2024	121,336.52	4.09	1.38	123,193.80	123,736.01
US TREASURY N/B DTD 09/30/2020 0.375% 09/30/2027	91282CAL5	250,000.00	AA+	Aaa	11/1/2024	11/5/2024	224,375.00	4.16	2.56	227,755.59	229,140.75
US TREASURY N/B DTD 11/15/2017 2.250% 11/15/2027	9128283F5	600,000.00	AA+	Aaa	1/30/2023	1/31/2023	562,101.56	3.70	5,109.12	579,241.45	575,203.20
US TREASURY N/B DTD 01/03/2023 3.875% 12/31/2027	91282CGC9	200,000.00	AA+	Aaa	11/1/2024	11/5/2024	198,351.56	4.16	1,948.20	198,551.42	199,820.40
US TREASURY N/B DTD 01/03/2023 3.875% 12/31/2027	91282CGC9	625,000.00	AA+	Aaa	4/13/2023	4/14/2023	635,424.80	3.49	6,088.14	631,078.11	624,438.75
US TREASURY N/B DTD 01/31/2023 3.500% 01/31/2028	91282CGH8	700,000.00	AA+	Aaa	12/19/2023	12/20/2023	686,574.22	4.01	4,060.77	690,754.70	692,206.90
US TREASURY N/B DTD 03/31/2023 3.625% 03/31/2028	91282CGT2	115,000.00	AA+	Aaa	3/4/2025	3/5/2025	114,164.45	3.88	11.39	114,183.52	114,079.08
US TREASURY N/B DTD 04/30/2021 1.250% 04/30/2028	91282CBZ3	170,000.00	AA+	Aaa	3/26/2024	3/28/2024	150,589.45	4.33	892.27	155,383.62	156,957.77
US TREASURY N/B DTD 04/30/2021 1.250% 04/30/2028	91282CBZ3	75,000.00	AA+	Aaa	6/1/2023	6/5/2023	66,632.81	3.76	393.65	69,744.23	69,246.08
US TREASURY N/B DTD 05/15/2018 2.875% 05/15/2028	9128284N7	490,000.00	AA+	Aaa	12/19/2023	12/20/2023	467,969.14	4.00	5,331.46	474,381.11	474,917.31
US TREASURY N/B DTD 06/30/2021 1.250% 06/30/2028	91282CCH2	735,000.00	AA+	Aaa	10/31/2023	11/1/2023	625,869.73	4.85	2,309.56	658,999.71	675,568.64
US TREASURY N/B DTD 08/02/2021 1.000% 07/31/2028	91282CCR0	630,000.00	AA+	Aaa	11/29/2023	11/30/2023	543,473.44	4.28	1,044.20	568,238.81	572,881.68
US TREASURY N/B DTD 08/15/2018 2.875% 08/15/2028	9128284V9	625,000.00	AA+	Aaa	4/9/2024	4/11/2024	587,036.13	4.43	2,233.68	595,528.36	604,272.50
US TREASURY N/B DTD 08/15/2018 2.875% 08/15/2028	9128284V9	190,000.00	AA+	Aaa	1/4/2024	1/5/2024	180,937.89	4.02	679.04	183,370.24	183,698.84
US TREASURY N/B DTD 08/31/2021 1.125% 08/31/2028	91282CCV1	125,000.00	AA+	Aaa	9/6/2023	9/8/2023	106,455.08	4.48	122.28	112,276.49	113,896.50
US TREASURY N/B DTD 08/31/2021 1.125% 08/31/2028	91282CCV1	500,000.00	AA+	Aaa	12/6/2023	12/7/2023	435,117.19	4.18	489.13	453,167.30	455,586.00
US TREASURY N/B DTD 11/01/2021 1.375% 10/31/2028	91282CDF5	230,000.00	AA+	Aaa	3/1/2024	3/5/2024	202,849.22	4.19	1,327.90	209,106.19	210,494.85

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
U.S. Treasury											
US TREASURY N/B DTD 11/01/2021 1.375% 10/31/2028	91282CDF5	140,000.00	AA+	Aaa	2/29/2024	3/5/2024	123,046.88	4.27	808.29	126,953.77	128,127.30
US TREASURY N/B DTD 11/01/2021 1.375% 10/31/2028	91282CDF5	225,000.00	AA+	Aaa	1/2/2024	1/5/2024	199,836.91	3.95	1,299.03	206,295.58	205,918.87
US TREASURY N/B DTD 11/15/2018 3.125% 11/15/2028	9128285M8	225,000.00	AA+	Aaa	12/4/2023	12/7/2023	213,785.16	4.25	2,661.00	216,773.71	218,821.28
US TREASURY N/B DTD 11/15/2018 3.125% 11/15/2028	9128285M8	500,000.00	AA+	Aaa	12/6/2023	12/7/2023	476,855.47	4.17	5,913.33	483,023.07	486,269.50
US TREASURY N/B DTD 01/31/2022 1.750% 01/31/2029	91282CDW8	205,000.00	AA+	Aaa	2/1/2024	2/5/2024	186,181.64	3.79	594.61	190,529.90	189,136.49
US TREASURY N/B DTD 01/31/2022 1.750% 01/31/2029	91282CDW8	400,000.00	AA+	Aaa	8/28/2024	8/29/2024	368,531.25	3.69	1,160.22	372,425.41	369,046.80
US TREASURY N/B DTD 02/15/2019 2.625% 02/15/2029	9128286B1	615,000.00	AA+	Aaa	6/3/2024	6/5/2024	566,328.52	4.51	2,006.82	574,105.38	586,075.93
US TREASURY N/B DTD 05/02/2022 2.875% 04/30/2029	91282CEM9	145,000.00	AA+	Aaa	7/1/2024	7/2/2024	135,059.57	4.47	1,750.41	136,464.88	139,166.07
US TREASURY N/B DTD 05/02/2022 2.875% 04/30/2029	91282CEM9	510,000.00	AA+	Aaa	8/1/2024	8/2/2024	487,946.48	3.88	6,156.63	490,797.15	489,480.66
US TREASURY N/B DTD 06/30/2022 3.250% 06/30/2029	91282CEV9	650,000.00	AA+	Aaa	8/28/2024	8/29/2024	637,507.81	3.69	5,310.43	638,913.77	632,048.95
US TREASURY N/B DTD 08/01/2022 2.625% 07/31/2029	91282CFC0	500,000.00	AA+	Aaa	10/1/2024	10/3/2024	480,488.28	3.51	2,175.41	482,331.74	473,652.50
US TREASURY N/B DTD 09/30/2022 3.875% 09/30/2029	91282CFL0	185,000.00	AA+	Aaa	10/28/2024	10/31/2024	182,962.11	4.12	19.59	183,119.90	184,270.18
US TREASURY N/B DTD 09/30/2022 3.875% 09/30/2029	91282CFL0	300,000.00	AA+	Aaa	11/1/2024	11/5/2024	295,851.56	4.19	31.76	296,162.91	298,816.50
US TREASURY N/B DTD 09/30/2022 3.875% 09/30/2029	91282CFL0	85,000.00	AA+	Aaa	11/1/2024	11/5/2024	83,748.24	4.21	9.00	83,841.95	84,664.68
US TREASURY N/B DTD 10/31/2022 4.000% 10/31/2029	91282CFT3	150,000.00	AA+	Aaa	11/20/2024	11/22/2024	147,990.23	4.30	2,519.34	148,122.91	150,164.10
US TREASURY N/B DTD 10/31/2022 4.000% 10/31/2029	91282CFT3	200,000.00	AA+	Aaa	12/2/2024	12/5/2024	198,750.00	4.14	3,359.12	198,825.52	200,218.80
US TREASURY N/B DTD 12/31/2024 4.375% 12/31/2029	91282CMD0	400,000.00	AA+	Aaa	1/2/2025	1/7/2025	400,281.25	4.36	4,399.17	400,270.09	406,781.20

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
U.S. Treasury											
US TREASURY N/B DTD 12/31/2024 4.375% 12/31/2029	91282CMD0	425,000.00	AA+	Aaa	2/3/2025	2/6/2025	425,962.89	4.32	4,674.12	425,937.57	432,205.03
US TREASURY N/B DTD 01/31/2023 3.500% 01/31/2030	91282CGJ4	800,000.00	AA+	Aaa	3/3/2025	3/5/2025	779,875.00	4.07	4,640.88	780,154.49	783,250.40
US TREASURY N/B DTD 01/31/2023 3.500% 01/31/2030	91282CGJ4	275,000.00	AA+	Aaa	3/4/2025	3/5/2025	269,736.33	3.93	1,595.30	269,809.79	269,242.33
Security Type Sub-Total		**23,600,000.00**					**22,460,961.69**	**3.79**	**136,407.88**	**22,807,615.14**	**22,774,206.97**
Negotiable CD											
COOPERAT RABOBANK UA/NY DTD 07/20/2023 5.080% 07/17/2026	21684LGS5	300,000.00	A+	Aa2	7/17/2023	7/20/2023	300,000.00	5.08	3,132.67	300,000.00	304,941.30
NATIXIS NY BRANCH DTD 09/20/2023 5.610% 09/18/2026	63873QP65	175,000.00	A+	A1	9/18/2023	9/20/2023	175,000.00	5.61	5,317.81	175,000.00	178,573.68
Security Type Sub-Total		**475,000.00**					**475,000.00**	**5.28**	**8,450.48**	**475,000.00**	**483,514.98**
Municipal											
CALIFORNIA ST UNIV-B DTD 07/29/2021 0.862% 11/01/2025	13077DQD7	60,000.00	AA-	Aa2	7/9/2021	7/29/2021	60,000.00	0.86	215.50	60,000.00	58,839.96
LOS ANGELES UN SD-B DTD 11/10/2021 1.455% 07/01/2026	544647FC9	60,000.00	NR	Aa2	10/28/2021	11/10/2021	60,000.00	1.46	218.25	60,000.00	57,987.72
Security Type Sub-Total		**120,000.00**					**120,000.00**	**1.16**	**433.75**	**120,000.00**	**116,827.68**
Joint Powers Authority											
CAMP Pool		19,779.42	AAAm	NR			19,779.42		0.00	19,779.42	19,779.42
Security Type Sub-Total		**19,779.42**					**19,779.42**		**0.00**	**19,779.42**	**19,779.42**

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Federal Agency											
FEDERAL HOME LOAN BANK DTD 10/25/2022 4.500% 03/10/2028	3130ATS57	375,000.00	AA+	Aaa	4/13/2023	4/14/2023	389,437.50	3.64	984.38	383,657.59	380,812.88
Security Type Sub-Total		**375,000.00**					**389,437.50**	**3.64**	**984.38**	**383,657.59**	**380,812.88**
Corporate											
JPMORGAN CHASE & CO (CALLABLE) DTD 03/23/2016 3.300% 04/01/2026	46625HQW3	135,000.00	A	A1	7/19/2023	7/21/2023	128,764.35	5.16	2,227.50	132,685.74	133,554.56
UNITEDHEALTH GROUP INC (CALLABLE) DTD 05/19/2021 1.150% 05/15/2026	91324PEC2	165,000.00	A+	A2	5/17/2021	5/19/2021	164,712.90	1.19	716.83	164,935.42	159,298.26
AMERICAN HONDA FINANCE DTD 07/07/2023 5.250% 07/07/2026	02665WEK3	110,000.00	A-	A3	7/13/2023	7/18/2023	111,216.60	4.84	1,347.50	110,518.96	110,968.77
STATE STREET CORP (CALLABLE) DTD 08/03/2023 5.272% 08/03/2026	857477CD3	120,000.00	A	Aa3	7/31/2023	8/3/2023	120,000.00	5.27	1,019.25	120,000.00	121,328.04
STATE STREET CORP (CALLABLE) DTD 08/03/2023 5.272% 08/03/2026	857477CD3	90,000.00	A	Aa3	8/1/2023	8/3/2023	90,032.40	5.26	764.44	90,013.95	90,996.03
WELLS FARGO BANK NA (CALLABLE) DTD 08/09/2023 5.450% 08/07/2026	94988J6D4	250,000.00	A+	Aa2	8/2/2023	8/9/2023	249,980.00	5.45	2,043.75	249,990.98	253,380.25
PACCAR FINANCIAL CORP DTD 08/10/2023 5.050% 08/10/2026	69371RS56	100,000.00	A+	A1	8/9/2023	8/11/2023	100,491.00	4.87	715.42	100,222.52	101,040.00
TOYOTA MOTOR CREDIT CORP DTD 08/14/2023 5.000% 08/14/2026	89236TKX2	115,000.00	A+	A1	8/9/2023	8/14/2023	114,860.85	5.04	750.69	114,936.48	115,966.00
BANK OF AMERICA NA (CALLABLE) DTD 08/18/2023 5.526% 08/18/2026	06428CAA2	280,000.00	A+	Aa1	8/14/2023	8/18/2023	280,000.00	5.53	1,848.14	280,000.00	284,432.68
HOME DEPOT INC (CALLABLE) DTD 09/15/2016 2.125% 09/15/2026	437076BN1	120,000.00	A	A2	8/18/2023	8/22/2023	110,097.60	5.07	113.33	115,295.69	116,499.36
WELLS FARGO & COMPANY DTD 10/25/2016 3.000% 10/23/2026	949746SH5	230,000.00	BBB+	A1	7/14/2023	7/18/2023	215,029.30	5.19	3,028.33	222,839.55	224,854.44
AMERICAN EXPRESS CO (CALLABLE) DTD 11/04/2021 1.650% 11/04/2026	025816CM9	165,000.00	A-	A2	11/23/2021	11/26/2021	163,826.85	1.80	1,111.69	164,621.93	158,039.31

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Corporate											
ABBOTT LABORATORIES (CALLABLE) DTD 11/22/2016 3.750% 11/30/2026	002824BF6	145,000.00	AA-	Aa3	8/22/2023	8/24/2023	139,320.35	5.06	1,827.60	142,107.05	144,133.63
BANK OF NY MELLON CORP (CALLABLE) DTD 01/26/2022 2.050% 01/26/2027	06406RBA4	100,000.00	A	Aa3	1/26/2022	1/28/2022	100,121.00	2.02	370.14	100,042.69	96,190.20
TRUIST FINANCIAL CORP (CALLABLE) DTD 03/02/2021 1.267% 03/02/2027	89788MAD4	160,000.00	A-	Baa1	3/10/2022	3/14/2022	150,336.00	2.57	163.30	156,265.20	155,091.84
STATE STREET CORP (CALLABLE) DTD 03/18/2024 4.993% 03/18/2027	857477CL5	90,000.00	A	Aa3	3/13/2024	3/18/2024	90,000.00	4.99	162.27	90,000.00	91,138.41
NATIONAL RURAL UTIL COOP (CALLABLE) DTD 05/10/2024 5.100% 05/06/2027	63743HFR8	95,000.00	A-	A2	5/7/2024	5/10/2024	94,941.10	5.12	1,951.46	94,957.84	96,334.56
NORTHERN TRUST CORP (CALLABLE) DTD 05/10/2022 4.000% 05/10/2027	665859AW4	100,000.00	A+	A2	5/10/2022	5/12/2022	100,966.00	3.79	1,566.67	100,398.31	99,446.50
GOLDMAN SACHS BANK USA (CALLABLE) DTD 05/21/2024 5.414% 05/21/2027	38151LAG5	220,000.00	A+	A1	5/15/2024	5/21/2024	220,000.00	5.41	4,301.12	220,000.00	222,035.44
CITIGROUP INC (CALLABLE) DTD 06/09/2021 1.462% 06/09/2027	172967NA5	230,000.00	BBB+	A3	7/1/2022	7/6/2022	204,325.10	3.98	1,046.14	218,588.93	221,508.40
IBM CORP (CALLABLE) DTD 07/27/2022 4.150% 07/27/2027	459200KT7	150,000.00	A-	A3	7/27/2022	7/29/2022	152,341.50	3.80	1,106.67	151,067.45	149,226.60
BP CAP MARKETS AMERICA (CALLABLE) DTD 05/17/2024 5.017% 11/17/2027	10373QBY5	200,000.00	A-	A1	5/15/2024	5/17/2024	200,000.00	5.02	3,734.88	200,000.00	203,161.20
AMAZON.COM INC (CALLABLE) DTD 12/01/2022 4.550% 12/01/2027	023135CP9	150,000.00	AA	A1	12/6/2022	12/7/2022	150,585.00	4.46	2,275.00	150,308.42	151,511.25
JPMORGAN CHASE & CO (CALLABLE) DTD 01/23/2024 5.040% 01/23/2028	46647PEA0	85,000.00	A	A1	1/16/2024	1/23/2024	85,000.00	5.04	809.20	85,000.00	85,705.67
BRISTOL-MYERS SQUIBB CO (CALLABLE) DTD 07/15/2020 3.900% 02/20/2028	110122DE5	165,000.00	A	A2	3/14/2023	3/17/2023	159,800.85	4.62	732.88	161,953.23	163,380.36

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Corporate											
JOHNSON & JOHNSON (CALLABLE) DTD 02/20/2025 4.550% 03/01/2028	478160DH4	55,000.00	AAA	Aaa	2/18/2025	2/20/2025	54,968.10	4.57	285.01	54,969.25	55,569.36
NATIONAL RURAL UTIL COOP (CALLABLE) DTD 12/16/2022 4.800% 03/15/2028	63743HFG2	140,000.00	A-	A2	6/9/2023	6/13/2023	139,589.80	4.87	298.67	139,745.06	141,631.56
MORGAN STANLEY (CALLABLE) DTD 04/19/2024 5.652% 04/13/2028	61747YFP5	40,000.00	A-	A1	4/17/2024	4/19/2024	40,000.00	5.65	1,055.04	40,000.00	40,805.40
WALMART INC (CALLABLE) DTD 04/18/2023 3.900% 04/15/2028	931142FB4	250,000.00	AA	Aa2	4/17/2023	4/19/2023	247,632.50	4.11	4,495.83	248,557.88	248,741.00
HERSHEY COMPANY (CALLABLE) DTD 05/04/2023 4.250% 05/04/2028	427866BH0	55,000.00	A	A1	5/1/2023	5/4/2023	54,921.35	4.28	954.48	54,951.37	55,041.64
META PLATFORMS INC (CALLABLE) DTD 05/03/2023 4.600% 05/15/2028	30303M8L9	140,000.00	AA-	Aa3	6/1/2023	6/5/2023	140,210.00	4.56	2,432.89	140,132.61	141,587.88
LOCKHEED MARTIN CORP (CALLABLE) DTD 05/25/2023 4.450% 05/15/2028	539830BZ1	65,000.00	A-	A2	6/2/2023	6/6/2023	64,766.00	4.53	1,092.72	64,852.16	65,255.71
LOCKHEED MARTIN CORP (CALLABLE) DTD 05/25/2023 4.450% 05/15/2028	539830BZ1	20,000.00	A-	A2	5/23/2023	5/25/2023	19,964.00	4.49	336.22	19,977.39	20,078.68
MERCK & CO INC (CALLABLE) DTD 05/17/2023 4.050% 05/17/2028	58933YBH7	70,000.00	A+	Aa3	5/8/2023	5/17/2023	69,943.30	4.07	1,055.25	69,964.53	69,806.80
MORGAN STANLEY BANK NA (CALLABLE) DTD 05/30/2024 5.504% 05/26/2028	61690U8B9	250,000.00	A+	Aa3	5/29/2024	5/30/2024	250,310.00	5.47	4,777.78	250,228.48	254,514.25
NATIONAL AUSTRALIA BK/NY DTD 06/13/2023 4.900% 06/13/2028	63253QAE4	250,000.00	AA-	Aa2	6/6/2023	6/13/2023	249,572.50	4.94	3,675.00	249,726.40	253,865.50
AMERICAN HONDA FINANCE DTD 07/07/2023 5.125% 07/07/2028	02665WEM9	110,000.00	A-	A3	7/5/2023	7/7/2023	109,951.60	5.14	1,315.42	109,968.38	111,765.17
JOHN DEERE CAPITAL CORP DTD 07/14/2023 4.950% 07/14/2028	24422EXB0	70,000.00	A	A1	7/11/2023	7/14/2023	69,895.70	4.98	741.13	69,931.45	71,358.63
PACCAR FINANCIAL CORP DTD 08/10/2023 4.950% 08/10/2028	69371RS64	120,000.00	A+	A1	8/9/2023	8/11/2023	121,040.40	4.75	841.50	120,699.19	122,166.36
TOYOTA MOTOR CREDIT CORP DTD 09/11/2023 5.250% 09/11/2028	89236TLB9	100,000.00	A+	A1	9/6/2023	9/11/2023	99,826.00	5.29	291.67	99,875.56	102,564.20

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Corporate											
ANALOG DEVICES INC (CALLABLE) DTD 10/05/2021 1.700% 10/01/2028	032654AU9	175,000.00	A-	A2	10/30/2023	11/1/2023	146,814.50	5.48	1,487.50	154,935.75	159,829.78
JPMORGAN CHASE & CO (CALLABLE) DTD 01/24/2025 4.915% 01/24/2029	46647PEU6	110,000.00	A	A1	1/16/2025	1/24/2025	110,000.00	4.92	1,006.21	110,000.00	110,944.68
TEXAS INSTRUMENTS INC (CALLABLE) DTD 02/08/2024 4.600% 02/08/2029	882508CG7	140,000.00	A+	Aa3	2/5/2024	2/8/2024	139,851.60	4.62	948.11	139,883.18	141,359.82
AIR PRODUCTS & CHEMICALS (CALLABLE) DTD 02/08/2024 4.600% 02/08/2029	009158BH8	165,000.00	A	A2	2/6/2024	2/8/2024	164,780.55	4.63	1,117.42	164,826.62	166,210.44
BRISTOL-MYERS SQUIBB CO (CALLABLE) DTD 02/22/2024 4.900% 02/22/2029	110122EF1	50,000.00	A	A2	2/14/2024	2/22/2024	49,895.00	4.95	265.42	49,916.18	50,829.50
CISCO SYSTEMS INC (CALLABLE) DTD 02/26/2024 4.850% 02/26/2029	17275RBR2	125,000.00	AA-	A1	2/21/2024	2/26/2024	124,956.25	4.86	589.41	124,965.28	127,106.25
BLACKROCK FUNDING INC (CALLABLE) DTD 03/14/2024 4.700% 03/14/2029	09290DAA9	375,000.00	AA-	Aa3	3/7/2024	3/14/2024	375,926.25	4.64	832.29	375,750.36	380,373.38
BLACKROCK FUNDING INC (CALLABLE) DTD 03/14/2024 4.700% 03/14/2029	09290DAA9	25,000.00	AA-	Aa3	3/5/2024	3/14/2024	24,954.75	4.74	55.49	24,963.45	25,358.23
ADOBE INC (CALLABLE) DTD 04/04/2024 4.800% 04/04/2029	00724PAF6	150,000.00	A+	A1	4/1/2024	4/4/2024	149,776.50	4.83	3,540.00	149,816.71	152,287.65
HOME DEPOT INC (CALLABLE) DTD 06/25/2024 4.750% 06/25/2029	437076DC3	40,000.00	A	A2	6/17/2024	6/25/2024	39,742.00	4.90	506.67	39,777.70	40,448.68
PEPSICO INC (CALLABLE) DTD 07/17/2024 4.500% 07/17/2029	713448FX1	165,000.00	A+	A1	7/15/2024	7/17/2024	164,744.25	4.53	1,526.25	164,777.63	166,388.15
CATERPILLAR FINL SERVICE DTD 08/16/2024 4.375% 08/16/2029	14913UAQ3	60,000.00	A	A2	8/12/2024	8/16/2024	59,837.40	4.44	328.13	59,855.93	59,824.62
CATERPILLAR FINL SERVICE DTD 08/16/2024 4.375% 08/16/2029	14913UAQ3	150,000.00	A	A2	8/28/2024	8/29/2024	151,317.00	4.18	820.31	151,174.38	149,561.55
ADOBE INC (CALLABLE) DTD 01/17/2025 4.950% 01/17/2030	00724PAJ8	120,000.00	A+	A1	1/14/2025	1/17/2025	119,816.40	4.98	1,221.00	119,823.39	122,731.44

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Corporate											
HERSHEY COMPANY (CALLABLE) DTD 02/24/2025 4.750% 02/24/2030	427866BL1	105,000.00	A	A1	2/19/2025	2/24/2025	104,815.20	4.79	512.60	104,818.61	106,143.45
Security Type Sub-Total		**7,460,000.00**					**7,356,567.65**	**4.63**	**74,139.62**	**7,405,615.22**	**7,463,371.52**
Agency CMBS											
FHMS K058 A2 DTD 11/01/2016 2.653% 08/01/2026	3137BSP72	235,000.00	AA+	Aaa	4/12/2023	4/17/2023	224,305.66	4.10	519.55	230,538.12	229,686.42
FHMS K061 A2 DTD 01/01/2017 3.347% 11/01/2026	3137BTUM1	164,707.03	AA+	Aaa	5/19/2023	5/24/2023	159,637.14	4.29	459.40	162,318.83	161,855.12
FHMS K063 A2 DTD 03/01/2017 3.430% 01/01/2027	3137BVZ82	250,000.00	AA+	Aaa	5/19/2023	5/24/2023	242,431.64	4.32	714.58	246,253.06	246,271.50
FHMS K065 A2 DTD 07/01/2017 3.243% 04/01/2027	3137F1G44	300,000.00	AA+	Aaa	6/8/2023	6/13/2023	287,472.66	4.42	810.75	293,304.35	294,057.60
FHMS K067 A2 DTD 09/01/2017 3.194% 07/01/2027	3137FAWS3	375,000.00	AA+	Aaa	6/24/2024	6/27/2024	357,773.44	4.84	998.13	361,436.02	366,247.50
FHMS K743 A2 DTD 06/01/2021 1.770% 05/01/2028	3137H14B9	325,000.00	AA+	Aaa	8/10/2023	8/15/2023	284,451.17	4.68	479.38	298,266.06	301,411.50
FHMS KJ46 A1 DTD 07/01/2023 4.777% 06/01/2028	3137HAD45	231,946.28	AA+	Aaa	7/19/2023	7/27/2023	231,940.46	4.78	923.34	231,942.45	233,354.42
FHMS K505 A2 DTD 07/01/2023 4.819% 06/01/2028	3137HACX2	285,000.00	AA+	Aaa	7/13/2023	7/20/2023	287,846.58	4.59	1,144.51	286,866.71	288,842.37
FNA 2023-M6 A2 DTD 07/01/2023 4.190% 07/01/2028	3136BQDE6	286,561.57	AA+	Aaa	7/18/2023	7/31/2023	281,703.45	4.58	1,000.58	283,328.24	284,691.75
FHMS K508 A2 DTD 10/01/2023 4.740% 08/01/2028	3137HAQ74	225,000.00	AA+	Aaa	10/11/2023	10/19/2023	220,064.40	5.25	888.75	221,406.20	227,664.67
FHMS K509 A2 DTD 10/01/2023 4.850% 09/01/2028	3137HAST4	190,000.00	AA+	Aaa	10/25/2023	10/31/2023	183,942.23	5.60	767.92	185,453.62	192,893.13
FHMS K510 A2 DTD 11/01/2023 5.069% 10/01/2028	3137HB3D4	90,000.00	AA+	Aaa	11/14/2023	11/21/2023	89,739.81	5.14	380.18	89,805.08	91,973.97
FHMS K514 A2 DTD 02/01/2024 4.572% 12/01/2028	3137HBLV4	145,000.00	AA+	Aaa	2/1/2024	2/8/2024	146,449.86	4.34	552.45	146,137.61	145,944.82
FHMS K513 A2 DTD 01/01/2024 4.724% 12/01/2028	3137HBFY5	135,000.00	AA+	Aaa	1/10/2024	1/18/2024	136,348.52	4.50	531.45	136,048.23	136,565.06

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Agency CMBS											
FHMS K520 A2 DTD 04/01/2024 5.180% 03/01/2029	3137HCKV3	170,000.00	AA+	Aaa	4/23/2024	4/30/2024	170,690.03	5.09	733.83	170,582.81	174,754.22
FHMS K524 A2 DTD 07/01/2024 4.720% 05/01/2029	3137HDV56	280,000.00	AA+	Aaa	7/16/2024	7/25/2024	281,719.48	4.58	1,101.33	281,523.72	283,502.24
FHMS K529 A2 DTD 10/01/2024 4.791% 09/01/2029	3137HH6C0	220,000.00	AA+	Aaa	10/8/2024	10/16/2024	224,397.14	4.34	878.35	224,029.38	223,505.26
FHMS K537 A2 DTD 03/01/2025 4.430% 02/01/2030	3137HKPF5	210,000.00	AA+	Aaa	3/11/2025	3/20/2025	209,997.69	4.43	775.25	209,998.15	210,290.01
Security Type Sub-Total		**4,118,214.87**					**4,020,911.36**	**4.64**	**13,659.73**	**4,059,238.64**	**4,093,511.56**
ABS											
BMWOT 2022-A A3 DTD 05/18/2022 3.210% 08/25/2026	05602RAD3	12,036.44	AAA	Aaa	5/10/2022	5/18/2022	12,035.82	3.21	6.44	12,036.24	11,997.95
HART 2022-A A3 DTD 03/16/2022 2.220% 10/15/2026	448977AD0	21,055.42	AAA	NR	3/9/2022	3/16/2022	21,054.61	2.22	20.77	21,055.14	20,963.13
WOART 2021-D A3 DTD 11/03/2021 0.810% 10/15/2026	98163KAC6	5,149.53	AAA	NR	10/26/2021	11/3/2021	5,148.83	0.82	1.85	5,149.31	5,131.98
GMCAR 2022-2 A3 DTD 04/13/2022 3.100% 02/16/2027	362585AC5	18,076.11	AAA	Aaa	4/5/2022	4/13/2022	18,072.34	3.10	23.35	18,074.65	17,983.06
CARMX 2022-3 A3 DTD 07/20/2022 3.970% 04/15/2027	14318MAD1	72,480.96	AAA	NR	7/12/2022	7/20/2022	72,479.25	3.97	127.89	72,480.23	72,292.08
MBART 2022-1 A3 DTD 11/22/2022 5.210% 08/16/2027	58768PAC8	98,260.77	AAA	Aaa	11/15/2022	11/22/2022	98,241.34	5.21	227.53	98,251.02	98,546.02
BMWOT 2023-A A3 DTD 07/18/2023 5.470% 02/25/2028	05592XAD2	70,795.39	AAA	NR	7/11/2023	7/18/2023	70,782.85	5.47	64.54	70,787.49	71,260.59
NAROT 2023-B A3 DTD 10/25/2023 5.930% 03/15/2028	65480MAD5	50,000.00	NR	Aaa	10/18/2023	10/25/2023	49,989.85	5.94	131.78	49,992.97	50,551.65
HART 2023-B A3 DTD 07/19/2023 5.480% 04/17/2028	44933XAD9	95,000.00	AAA	NR	7/11/2023	7/19/2023	94,995.88	5.48	231.38	94,997.36	95,756.87
FORDO 2023-B A3 DTD 06/26/2023 5.230% 05/15/2028	344930AD4	85,000.00	AAA	NR	6/21/2023	6/26/2023	84,998.85	5.23	197.58	84,999.27	85,652.04
BACCT 2023-A1 A1 DTD 06/16/2023 4.790% 05/15/2028	05522RDG0	95,000.00	AAA	NR	6/8/2023	6/16/2023	94,978.49	4.79	202.24	94,986.33	95,423.51

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
ABS											
AMXCA 2023-1 A DTD 06/14/2023 4.870% 05/15/2028	02582JJZ4	110,000.00	AAA	NR	6/7/2023	6/14/2023	109,990.24	4.87	238.09	109,993.81	110,604.34
COMET 2023-A1 A DTD 05/24/2023 4.420% 05/15/2028	14041NGD7	230,000.00	AAA	NR	5/17/2023	5/24/2023	229,947.26	4.42	451.82	229,966.90	230,077.51
DCENT 2023-A2 A DTD 06/28/2023 4.930% 06/15/2028	254683CZ6	200,000.00	AAA	Aaa	6/21/2023	6/28/2023	199,972.98	4.93	438.22	199,982.55	201,378.20
GMCAR 2023-3 A3 DTD 07/19/2023 5.450% 06/16/2028	36267KAD9	90,000.00	AAA	Aaa	7/11/2023	7/19/2023	89,996.53	5.45	204.38	89,997.73	90,703.89
HAROT 2024-1 A3 DTD 02/21/2024 5.210% 08/15/2028	437918AC9	140,000.00	AAA	Aaa	2/13/2024	2/21/2024	139,993.91	5.21	324.18	139,995.68	141,331.12
GMCAR 2024-1 A3 DTD 01/17/2024 4.850% 12/18/2028	36268GAD7	25,000.00	NR	Aaa	1/9/2024	1/17/2024	24,994.97	4.85	50.52	24,996.10	25,140.08
CHAIT 2024-A1 A DTD 01/31/2024 4.600% 01/16/2029	161571HV9	205,000.00	AAA	NR	1/24/2024	1/31/2024	204,968.78	4.60	419.11	204,975.79	206,110.69
WFCIT 2024-A1 A DTD 03/01/2024 4.940% 02/15/2029	92970QAA3	235,000.00	AAA	Aaa	2/21/2024	3/1/2024	234,936.22	4.95	515.96	234,949.58	237,761.72
AMXCA 2024-1 A DTD 04/23/2024 5.230% 04/16/2029	02582JKH2	245,000.00	AAA	NR	4/16/2024	4/23/2024	244,949.78	5.23	569.49	244,949.78	249,449.20
HART 2024-C A3 DTD 10/16/2024 4.410% 05/15/2029	448976AD2	120,000.00	AAA	NR	10/8/2024	10/16/2024	119,991.22	4.41	235.20	119,992.32	120,121.92
BACCT 2024-A1 A DTD 06/13/2024 4.930% 05/15/2029	05522RDJ4	280,000.00	AAA	Aaa	6/6/2024	6/13/2024	279,984.29	4.93	613.51	279,987.49	283,789.52
GMCAR 2024-4 A3 DTD 10/16/2024 4.400% 08/16/2029	38014AAD3	100,000.00	AAA	Aaa	10/8/2024	10/16/2024	99,980.74	4.40	183.33	99,982.52	100,097.50
VALET 2025-1 A3 DTD 03/25/2025 4.500% 08/20/2029	92868MAD1	230,000.00	NR	Aaa	3/18/2025	3/25/2025	229,992.18	4.50	172.50	229,992.69	230,585.35
BMWOT 2025-A A3 DTD 02/12/2025 4.560% 09/25/2029	096924AD7	185,000.00	AAA	Aaa	2/4/2025	2/12/2025	184,981.78	4.56	140.60	184,982.78	185,793.84
FORDO 2025-A A3 DTD 03/25/2025 4.450% 10/15/2029	34535KAD0	280,000.00	AAA	Aaa	3/18/2025	3/25/2025	279,972.78	4.45	207.67	279,973.58	280,643.16
MBART 2025-1 A3 DTD 01/23/2025 4.780% 12/17/2029	58773DAD6	155,000.00	NR	Aaa	1/14/2025	1/23/2025	154,967.03	4.78	329.29	154,968.67	156,323.55

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
ABS											
VZMT 2025-3 A1A DTD 03/31/2025 4.510% 03/20/2030	92348KDY6	280,000.00	NR	Aaa	3/25/2025	3/31/2025	279,987.96	4.51	35.08	279,953.81	280,087.50
Security Type Sub-Total		**3,732,854.62**					**3,732,386.76**	**4.77**	**6,364.30**	**3,732,451.79**	**3,755,557.97**
Managed Account Sub Total		**39,881,069.50**					**38,555,264.96**	**4.14**	**240,440.14**	**38,983,578.38**	**39,067,803.56**
Securities Sub Total		**$39,900,848.92**					**$38,575,044.38**	**4.14%**	**$240,440.14**	**$39,003,357.80**	**$39,087,582.98**
Accrued Interest											**$240,440.14**
Total Investments											**$39,328,023.12**

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
BUY									
1/2/2025	1/7/2025	650,000.00	91282CME8	US TREASURY N/B	4.25%	12/31/2026	650,838.88	4.22%	
1/2/2025	1/7/2025	400,000.00	91282CMD0	US TREASURY N/B	4.37%	12/31/2029	400,619.65	4.36%	
1/14/2025	1/17/2025	120,000.00	00724PAJ8	ADOBE INC (CALLABLE)	4.95%	1/17/2030	119,816.40	4.98%	
1/14/2025	1/23/2025	155,000.00	58773DAD6	MBART 2025-1 A3	4.78%	12/17/2029	154,967.03	4.78%	
1/16/2025	1/24/2025	110,000.00	46647PEU6	JPMORGAN CHASE & CO (CALLABLE)	4.91%	1/24/2029	110,000.00	4.92%	
2/3/2025	2/6/2025	425,000.00	91282CMD0	US TREASURY N/B	4.37%	12/31/2029	427,863.36	4.32%	
2/4/2025	2/12/2025	185,000.00	096924AD7	BMWOT 2025-A A3	4.56%	9/25/2029	184,981.78	4.56%	
2/18/2025	2/20/2025	55,000.00	478160DH4	JOHNSON & JOHNSON (CALLABLE)	4.55%	3/1/2028	54,968.10	4.57%	
2/19/2025	2/24/2025	105,000.00	427866BL1	HERSHEY COMPANY (CALLABLE)	4.75%	2/24/2030	104,815.20	4.79%	
3/3/2025	3/5/2025	250,000.00	91282CEF4	US TREASURY N/B	2.50%	3/31/2027	245,198.10	4.02%	
3/3/2025	3/5/2025	800,000.00	91282CGJ4	US TREASURY N/B	3.50%	1/31/2030	782,427.49	4.07%	
3/4/2025	3/5/2025	115,000.00	91282CGT2	US TREASURY N/B	3.62%	3/31/2028	115,951.06	3.88%	
3/4/2025	3/5/2025	275,000.00	91282CGJ4	US TREASURY N/B	3.50%	1/31/2030	270,613.75	3.93%	
3/11/2025	3/20/2025	210,000.00	3137HKPF5	FHMS K537 A2	4.43%	2/1/2030	210,488.68	4.43%	
3/18/2025	3/25/2025	230,000.00	92868MAD1	VALET 2025-1 A3	4.50%	8/20/2029	229,992.18	4.50%	
3/18/2025	3/25/2025	280,000.00	34535KAD0	FORDO 2025-A A3	4.45%	10/15/2029	279,972.78	4.45%	

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
BUY									
3/25/2025	3/31/2025	280,000.00	92348KDY6	VZMT 2025-3 A1A	4.51%	3/20/2030	279,987.96	4.51%	
Total BUY		**4,645,000.00**					**4,623,502.40**		**0.00**
CALL									
1/25/2025	1/25/2025	75,000.00	17327CAN3	CITIGROUP INC (CALLABLE)	2.01%	1/25/2026	75,000.00	2.01%	
2/18/2025	2/18/2025	135,000.00	61747YEM3	MORGAN STANLEY (CALLABLE)	0.00%	2/18/2026	135,000.00		
Total CALL		**210,000.00**					**210,000.00**		**0.00**
INTEREST									
1/1/2025	1/1/2025		544647FC9	LOS ANGELES UN SD-B	1.45%	7/1/2026	436.50		
1/1/2025	1/25/2025		3137HCKV3	FHMS K520 A2	5.18%	3/1/2029	733.83		
1/1/2025	1/25/2025		3137HDV56	FHMS K524 A2	4.72%	5/1/2029	1,101.33		
1/1/2025	1/25/2025		3137HAST4	FHMS K509 A2	4.85%	9/1/2028	767.92		
1/1/2025	1/25/2025		3137HH6C0	FHMS K529 A2	4.79%	9/1/2029	878.35		
1/1/2025	1/25/2025		3137HAD45	FHMS KJ46 A1	4.77%	6/1/2028	925.85		
1/1/2025	1/25/2025		3137BSP72	FHMS K058 A2	2.65%	8/1/2026	519.55		
1/1/2025	1/25/2025		3137HB3D4	FHMS K510 A2	5.06%	10/1/2028	380.18		
1/1/2025	1/25/2025		3137HACX2	FHMS K505 A2	4.81%	6/1/2028	1,144.51		
1/1/2025	1/25/2025		3137FAWS3	FHMS K067 A2	3.19%	7/1/2027	998.13		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
1/1/2025	1/25/2025		3137HAQ74	FHMS K508 A2	4.74%	8/1/2028	888.75		
1/1/2025	1/25/2025		3137BVZ82	FHMS K063 A2	3.43%	1/1/2027	714.58		
1/1/2025	1/25/2025		3137F1G44	FHMS K065 A2	3.24%	4/1/2027	810.75		
1/1/2025	1/25/2025		3137H14B9	FHMS K743 A2	1.77%	5/1/2028	479.38		
1/1/2025	1/25/2025		3136BQDE6	FNA 2023-M6 A2	4.19%	7/1/2028	998.82		
1/1/2025	1/25/2025		3137HBLV4	FHMS K514 A2	4.57%	12/1/2028	552.45		
1/1/2025	1/25/2025		3137HBFY5	FHMS K513 A2	4.72%	12/1/2028	531.45		
1/1/2025	1/25/2025		3137BTUM1	FHMS K061 A2	3.34%	11/1/2026	462.32		
1/7/2025	1/7/2025		02665WEM9	AMERICAN HONDA FINANCE	5.12%	7/7/2028	2,818.75		
1/7/2025	1/7/2025		02665WEK3	AMERICAN HONDA FINANCE	5.25%	7/7/2026	2,887.50		
1/14/2025	1/14/2025		24422EXB0	JOHN DEERE CAPITAL CORP	4.95%	7/14/2028	1,732.50		
1/15/2025	1/15/2025		161571HV9	CHAIT 2024-A1 A	4.60%	1/16/2029	785.83		
1/15/2025	1/15/2025		92970QAA3	WFCIT 2024-A1 A	4.94%	2/15/2029	967.42		
1/15/2025	1/15/2025		58768PAC8	MBART 2022-1 A3	5.21%	8/16/2027	544.88		
1/15/2025	1/15/2025		254683CZ6	DCENT 2023-A2 A	4.93%	6/15/2028	821.67		
1/15/2025	1/15/2025		02582JKH2	AMXCA 2024-1 A	5.23%	4/16/2029	1,067.79		
1/15/2025	1/15/2025		91282CHM6	US TREASURY N/B	4.50%	7/15/2026	12,487.50		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
1/15/2025	1/15/2025		44933XAD9	HART 2023-B A3	5.48%	4/17/2028	433.83		
1/15/2025	1/15/2025		05522RDG0	BACCT 2023-A1 A1	4.79%	5/15/2028	379.21		
1/15/2025	1/15/2025		14318MAD1	CARMX 2022-3 A3	3.97%	4/15/2027	312.50		
1/15/2025	1/15/2025		02582JJZ4	AMXCA 2023-1 A	4.87%	5/15/2028	446.42		
1/15/2025	1/15/2025		65480MAD5	NAROT 2023-B A3	5.93%	3/15/2028	247.08		
1/15/2025	1/15/2025		448977AD0	HART 2022-A A3	2.22%	10/15/2026	66.55		
1/15/2025	1/15/2025		254683CW3	DCENT 2022-A3 A3	3.56%	7/15/2027	415.33		
1/15/2025	1/15/2025		98163KAC6	WOART 2021-D A3	0.81%	10/15/2026	8.64		
1/15/2025	1/15/2025		344930AD4	FORDO 2023-B A3	5.23%	5/15/2028	370.46		
1/15/2025	1/15/2025		437918AC9	HAROT 2024-1 A3	5.21%	8/15/2028	607.83		
1/15/2025	1/15/2025		91282CGE5	US TREASURY N/B	3.87%	1/15/2026	11,625.00		
1/15/2025	1/15/2025		05522RDJ4	BACCT 2024-A1 A	4.93%	5/15/2029	1,150.33		
1/15/2025	1/15/2025		448976AD2	HART 2024-C A3	4.41%	5/15/2029	441.00		
1/15/2025	1/15/2025		14041NGD7	COMET 2023-A1 A	4.42%	5/15/2028	847.17		
1/15/2025	1/15/2025		02007WAC2	ALLYA 2023-1 A3	5.46%	5/15/2028	728.00		
1/16/2025	1/16/2025		36267KAD9	GMCAR 2023-3 A3	5.45%	6/16/2028	408.75		
1/16/2025	1/16/2025		362585AC5	GMCAR 2022-2 A3	3.10%	2/16/2027	65.44		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
1/16/2025	1/16/2025		36268GAD7	GMCAR 2024-1 A3	4.85%	12/18/2028	101.04		
1/16/2025	1/16/2025		38014AAD3	GMCAR 2024-4 A3	4.40%	8/16/2029	366.67		
1/17/2025	1/17/2025		713448FX1	PEPSICO INC (CALLABLE)	4.50%	7/17/2029	3,712.50		
1/17/2025	1/17/2025		21684LGS5	COOPERAT RABOBANK UA/NY	5.08%	7/17/2026	7,620.00		
1/23/2025	1/23/2025		46647PEA0	JPMORGAN CHASE & CO (CALLABLE)	5.04%	1/23/2028	2,142.00		
1/25/2025	1/25/2025		05602RAD3	BMWOT 2022-A A3	3.21%	8/25/2026	52.60		
1/25/2025	1/25/2025		05592XAD2	BMWOT 2023-A A3	5.47%	2/25/2028	341.87		
1/25/2025	1/25/2025		17327CAN3	CITIGROUP INC (CALLABLE)	2.01%	1/25/2026	755.25		
1/26/2025	1/26/2025		06406RBA4	BANK OF NY MELLON CORP (CALLABLE)	2.05%	1/26/2027	1,025.00		
1/27/2025	1/27/2025		459200KT7	IBM CORP (CALLABLE)	4.15%	7/27/2027	3,112.50		
1/31/2025	1/31/2025		91282CCP4	US TREASURY N/B	0.62%	7/31/2026	1,703.13		
1/31/2025	1/31/2025		91282CBH3	US TREASURY N/B	0.37%	1/31/2026	121.88		
1/31/2025	1/31/2025		91282CFB2	US TREASURY N/B	2.75%	7/31/2027	7,356.25		
1/31/2025	1/31/2025		91282CGH8	US TREASURY N/B	3.50%	1/31/2028	12,250.00		
1/31/2025	1/31/2025		91282CDW8	US TREASURY N/B	1.75%	1/31/2029	5,293.75		
1/31/2025	1/31/2025		91282CFC0	US TREASURY N/B	2.62%	7/31/2029	6,562.50		
1/31/2025	1/31/2025		91282CCR0	US TREASURY N/B	1.00%	7/31/2028	3,150.00		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
2/1/2025	2/25/2025		3137HAD45	FHMS KJ46 A1	4.77%	6/1/2028	925.21		
2/1/2025	2/25/2025		3137HDV56	FHMS K524 A2	4.72%	5/1/2029	1,101.33		
2/1/2025	2/25/2025		3137HAST4	FHMS K509 A2	4.85%	9/1/2028	767.92		
2/1/2025	2/25/2025		3137BVZ82	FHMS K063 A2	3.43%	1/1/2027	714.58		
2/1/2025	2/25/2025		3137HBLV4	FHMS K514 A2	4.57%	12/1/2028	552.45		
2/1/2025	2/25/2025		3137HAQ74	FHMS K508 A2	4.74%	8/1/2028	888.75		
2/1/2025	2/25/2025		3137HACX2	FHMS K505 A2	4.81%	6/1/2028	1,144.51		
2/1/2025	2/25/2025		3137H14B9	FHMS K743 A2	1.77%	5/1/2028	479.38		
2/1/2025	2/25/2025		3137HBFY5	FHMS K513 A2	4.72%	12/1/2028	531.45		
2/1/2025	2/25/2025		3136BQDE6	FNA 2023-M6 A2	4.19%	7/1/2028	998.57		
2/1/2025	2/25/2025		3137BSP72	FHMS K058 A2	2.65%	8/1/2026	519.55		
2/1/2025	2/25/2025		3137F1G44	FHMS K065 A2	3.24%	4/1/2027	810.75		
2/1/2025	2/25/2025		3137HB3D4	FHMS K510 A2	5.06%	10/1/2028	380.18		
2/1/2025	2/25/2025		3137FAWS3	FHMS K067 A2	3.19%	7/1/2027	998.13		
2/1/2025	2/25/2025		3137HCKV3	FHMS K520 A2	5.18%	3/1/2029	733.83		
2/1/2025	2/25/2025		3137HH6C0	FHMS K529 A2	4.79%	9/1/2029	878.35		
2/1/2025	2/25/2025		3137BTUM1	FHMS K061 A2	3.34%	11/1/2026	461.40		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
2/3/2025	2/3/2025		857477CD3	STATE STREET CORP (CALLABLE)	5.27%	8/3/2026	5,535.60		
2/7/2025	2/7/2025		94988J6D4	WELLS FARGO BANK NA (CALLABLE)	5.45%	8/7/2026	6,812.50		
2/8/2025	2/8/2025		009158BH8	AIR PRODUCTS & CHEMICALS (CALLABLE)	4.60%	2/8/2029	3,795.00		
2/8/2025	2/8/2025		882508CG7	TEXAS INSTRUMENTS INC (CALLABLE)	4.60%	2/8/2029	3,220.00		
2/10/2025	2/10/2025		69371RS56	PACCAR FINANCIAL CORP	5.05%	8/10/2026	2,525.00		
2/10/2025	2/10/2025		69371RS64	PACCAR FINANCIAL CORP	4.95%	8/10/2028	2,970.00		
2/14/2025	2/14/2025		89236TKX2	TOYOTA MOTOR CREDIT CORP	5.00%	8/14/2026	2,875.00		
2/15/2025	2/15/2025		05522RDJ4	BACCT 2024-A1 A	4.93%	5/15/2029	1,150.33		
2/15/2025	2/15/2025		912828V98	US TREASURY N/B	2.25%	2/15/2027	8,662.50		
2/15/2025	2/15/2025		9128282R0	US TREASURY N/B	2.25%	8/15/2027	6,750.00		
2/15/2025	2/15/2025		254683CW3	DCENT 2022-A3 A3	3.56%	7/15/2027	415.33		
2/15/2025	2/15/2025		161571HV9	CHAIT 2024-A1 A	4.60%	1/16/2029	785.83		
2/15/2025	2/15/2025		254683CZ6	DCENT 2023-A2 A	4.93%	6/15/2028	821.67		
2/15/2025	2/15/2025		02582JJZ4	AMXCA 2023-1 A	4.87%	5/15/2028	446.42		
2/15/2025	2/15/2025		44933XAD9	HART 2023-B A3	5.48%	4/17/2028	433.83		
2/15/2025	2/15/2025		58773DAD6	MBART 2025-1 A3	4.78%	12/17/2029	452.77		
2/15/2025	2/15/2025		448977AD0	HART 2022-A A3	2.22%	10/15/2026	56.97		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
2/15/2025	2/15/2025		437918AC9	HAROT 2024-1 A3	5.21%	8/15/2028	607.83		
2/15/2025	2/15/2025		14041NGD7	COMET 2023-A1 A	4.42%	5/15/2028	847.17		
2/15/2025	2/15/2025		9128282A7	US TREASURY N/B	1.50%	8/15/2026	4,875.00		
2/15/2025	2/15/2025		9128284V9	US TREASURY N/B	2.87%	8/15/2028	11,715.63		
2/15/2025	2/15/2025		05522RDG0	BACCT 2023-A1 A1	4.79%	5/15/2028	379.21		
2/15/2025	2/15/2025		02582JKH2	AMXCA 2024-1 A	5.23%	4/16/2029	1,067.79		
2/15/2025	2/15/2025		448976AD2	HART 2024-C A3	4.41%	5/15/2029	441.00		
2/15/2025	2/15/2025		14318MAD1	CARMX 2022-3 A3	3.97%	4/15/2027	288.92		
2/15/2025	2/15/2025		92970QAA3	WFCIT 2024-A1 A	4.94%	2/15/2029	967.42		
2/15/2025	2/15/2025		02007WAC2	ALLYA 2023-1 A3	5.46%	5/15/2028	728.00		
2/15/2025	2/15/2025		65480MAD5	NAROT 2023-B A3	5.93%	3/15/2028	247.08		
2/15/2025	2/15/2025		9128286B1	US TREASURY N/B	2.62%	2/15/2029	8,071.88		
2/15/2025	2/15/2025		344930AD4	FORDO 2023-B A3	5.23%	5/15/2028	370.46		
2/15/2025	2/15/2025		58768PAC8	MBART 2022-1 A3	5.21%	8/16/2027	502.94		
2/15/2025	2/15/2025		98163KAC6	WOART 2021-D A3	0.81%	10/15/2026	6.82		
2/16/2025	2/16/2025		36268GAD7	GMCAR 2024-1 A3	4.85%	12/18/2028	101.04		
2/16/2025	2/16/2025		362585AC5	GMCAR 2022-2 A3	3.10%	2/16/2027	58.99		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
2/16/2025	2/16/2025		38014AAD3	GMCAR 2024-4 A3	4.40%	8/16/2029	366.67		
2/16/2025	2/16/2025		14913UAQ3	CATERPILLAR FINL SERVICE	4.37%	8/16/2029	4,593.75		
2/16/2025	2/16/2025		36267KAD9	GMCAR 2023-3 A3	5.45%	6/16/2028	408.75		
2/18/2025	2/18/2025		61747YEM3	MORGAN STANLEY (CALLABLE)	0.00%	2/18/2026	1,775.25		
2/18/2025	2/18/2025		06428CAA2	BANK OF AMERICA NA (CALLABLE)	5.52%	8/18/2026	7,736.40		
2/20/2025	2/20/2025		110122DE5	BRISTOL-MYERS SQUIBB CO (CALLABLE)	3.90%	2/20/2028	3,217.50		
2/22/2025	2/22/2025		110122EF1	BRISTOL-MYERS SQUIBB CO (CALLABLE)	4.90%	2/22/2029	1,225.00		
2/25/2025	2/25/2025		05592XAD2	BMWOT 2023-A A3	5.47%	2/25/2028	341.87		
2/25/2025	2/25/2025		05602RAD3	BMWOT 2022-A A3	3.21%	8/25/2026	45.40		
2/26/2025	2/26/2025		17275RBR2	CISCO SYSTEMS INC (CALLABLE)	4.85%	2/26/2029	3,031.25		
2/28/2025	2/28/2025		912828ZB9	US TREASURY N/B	1.12%	2/28/2027	1,406.25		
2/28/2025	2/28/2025		91282CBQ3	US TREASURY N/B	0.50%	2/28/2026	450.00		
2/28/2025	2/28/2025		91282CLH2	US TREASURY N/B	3.75%	8/31/2026	2,812.50		
2/28/2025	2/28/2025		91282CCW9	US TREASURY N/B	0.75%	8/31/2026	1,875.00		
2/28/2025	2/28/2025		91282CAH4	US TREASURY N/B	0.50%	8/31/2027	1,687.50		
2/28/2025	2/28/2025		91282CCV1	US TREASURY N/B	1.12%	8/31/2028	3,515.63		
3/1/2025	3/25/2025		3137HBFY5	FHMS K513 A2	4.72%	12/1/2028	531.45		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
3/1/2025	3/25/2025		3137HDV56	FHMS K524 A2	4.72%	5/1/2029	1,101.33		
3/1/2025	3/25/2025		3137HAST4	FHMS K509 A2	4.85%	9/1/2028	767.92		
3/1/2025	3/25/2025		3137F1G44	FHMS K065 A2	3.24%	4/1/2027	810.75		
3/1/2025	3/25/2025		3137HCKV3	FHMS K520 A2	5.18%	3/1/2029	733.83		
3/1/2025	3/25/2025		3137H14B9	FHMS K743 A2	1.77%	5/1/2028	479.38		
3/1/2025	3/25/2025		3136BQDE6	FNA 2023-M6 A2	4.19%	7/1/2028	998.57		
3/1/2025	3/25/2025		3137BTUM1	FHMS K061 A2	3.34%	11/1/2026	460.48		
3/1/2025	3/25/2025		3137BSP72	FHMS K058 A2	2.65%	8/1/2026	519.55		
3/1/2025	3/25/2025		3137BVZ82	FHMS K063 A2	3.43%	1/1/2027	714.58		
3/1/2025	3/25/2025		3137HACX2	FHMS K505 A2	4.81%	6/1/2028	1,144.51		
3/1/2025	3/25/2025		3137HB3D4	FHMS K510 A2	5.06%	10/1/2028	380.18		
3/1/2025	3/25/2025		3137HBLV4	FHMS K514 A2	4.57%	12/1/2028	552.45		
3/1/2025	3/25/2025		3137HH6C0	FHMS K529 A2	4.79%	9/1/2029	878.35		
3/1/2025	3/25/2025		3137HAD45	FHMS KJ46 A1	4.77%	6/1/2028	924.50		
3/1/2025	3/25/2025		3137HAQ74	FHMS K508 A2	4.74%	8/1/2028	888.75		
3/1/2025	3/25/2025		3137FAWS3	FHMS K067 A2	3.19%	7/1/2027	998.13		
3/2/2025	3/2/2025		89788MAD4	TRUIST FINANCIAL CORP (CALLABLE)	1.26%	3/2/2027	1,013.60		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
3/10/2025	3/10/2025		3130ATS57	FEDERAL HOME LOAN BANK	4.50%	3/10/2028	8,437.50		
3/11/2025	3/11/2025		89236TLB9	TOYOTA MOTOR CREDIT CORP	5.25%	9/11/2028	2,625.00		
3/14/2025	3/14/2025		09290DAA9	BLACKROCK FUNDING INC (CALLABLE)	4.70%	3/14/2029	9,400.00		
3/15/2025	3/15/2025		44933XAD9	HART 2023-B A3	5.48%	4/17/2028	433.83		
3/15/2025	3/15/2025		161571HV9	CHAIT 2024-A1 A	4.60%	1/16/2029	785.83		
3/15/2025	3/15/2025		437076BN1	HOME DEPOT INC (CALLABLE)	2.12%	9/15/2026	1,275.00		
3/15/2025	3/15/2025		14318MAD1	CARMX 2022-3 A3	3.97%	4/15/2027	263.89		
3/15/2025	3/15/2025		254683CZ6	DCENT 2023-A2 A	4.93%	6/15/2028	821.67		
3/15/2025	3/15/2025		14041NGD7	COMET 2023-A1 A	4.42%	5/15/2028	847.17		
3/15/2025	3/15/2025		437918AC9	HAROT 2024-1 A3	5.21%	8/15/2028	607.83		
3/15/2025	3/15/2025		05522RDJ4	BACCT 2024-A1 A	4.93%	5/15/2029	1,150.33		
3/15/2025	3/15/2025		05522RDG0	BACCT 2023-A1 A1	4.79%	5/15/2028	379.21		
3/15/2025	3/15/2025		58773DAD6	MBART 2025-1 A3	4.78%	12/17/2029	617.42		
3/15/2025	3/15/2025		65480MAD5	NAROT 2023-B A3	5.93%	3/15/2028	247.08		
3/15/2025	3/15/2025		92970QAA3	WFCIT 2024-A1 A	4.94%	2/15/2029	967.42		
3/15/2025	3/15/2025		58768PAC8	MBART 2022-1 A3	5.21%	8/16/2027	463.11		
3/15/2025	3/15/2025		91282CGR6	US TREASURY N/B	4.62%	3/15/2026	2,428.13		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
3/15/2025	3/15/2025		344930AD4	FORDO 2023-B A3	5.23%	5/15/2028	370.46		
3/15/2025	3/15/2025		448976AD2	HART 2024-C A3	4.41%	5/15/2029	441.00		
3/15/2025	3/15/2025		02582JKH2	AMXCA 2024-1 A	5.23%	4/16/2029	1,067.79		
3/15/2025	3/15/2025		98163KAC6	WOART 2021-D A3	0.81%	10/15/2026	5.09		
3/15/2025	3/15/2025		02582JJZ4	AMXCA 2023-1 A	4.87%	5/15/2028	446.42		
3/15/2025	3/15/2025		63743HFG2	NATIONAL RURAL UTIL COOP (CALLABLE)	4.80%	3/15/2028	3,360.00		
3/15/2025	3/15/2025		448977AD0	HART 2022-A A3	2.22%	10/15/2026	47.41		
3/16/2025	3/16/2025		38014AAD3	GMCAR 2024-4 A3	4.40%	8/16/2029	366.67		
3/16/2025	3/16/2025		362585AC5	GMCAR 2022-2 A3	3.10%	2/16/2027	52.74		
3/16/2025	3/16/2025		36268GAD7	GMCAR 2024-1 A3	4.85%	12/18/2028	101.04		
3/16/2025	3/16/2025		36267KAD9	GMCAR 2023-3 A3	5.45%	6/16/2028	408.75		
3/18/2025	3/18/2025		857477CL5	STATE STREET CORP (CALLABLE)	4.99%	3/18/2027	2,246.85		
3/25/2025	3/25/2025		05592XAD2	BMWOT 2023-A A3	5.47%	2/25/2028	341.88		
3/25/2025	3/25/2025		05602RAD3	BMWOT 2022-A A3	3.21%	8/25/2026	38.54		
3/25/2025	3/25/2025		096924AD7	BMWOT 2025-A A3	4.56%	9/25/2029	1,007.63		
3/31/2025	3/31/2025		91282CFL0	US TREASURY N/B	3.87%	9/30/2029	11,043.75		
3/31/2025	3/31/2025		91282CAL5	US TREASURY N/B	0.37%	9/30/2027	721.88		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
INTEREST									
3/31/2025	3/31/2025		91282CEF4	US TREASURY N/B	2.50%	3/31/2027	6,562.50		
3/31/2025	3/31/2025		91282CCZ2	US TREASURY N/B	0.87%	9/30/2026	240.63		
3/31/2025	3/31/2025		91282CGT2	US TREASURY N/B	3.62%	3/31/2028	2,084.38		
Total INTEREST		**0.00**					**314,624.10**		**0.00**
PAYDOWNS									
1/1/2025	1/25/2025	328.39	3137BTUM1	FHMS K061 A2	3.34%	11/1/2026	328.39		5.49
1/1/2025	1/25/2025	96.84	3136BQDE6	FNA 2023-M6 A2	4.19%	7/1/2028	96.84		1.18
1/1/2025	1/25/2025	161.15	3137HAD45	FHMS KJ46 A1	4.77%	6/1/2028	161.15		
1/15/2025	1/15/2025	2,696.73	98163KAC6	WOART 2021-D A3	0.81%	10/15/2026	2,696.73		0.13
1/15/2025	1/15/2025	9,660.71	58768PAC8	MBART 2022-1 A3	5.21%	8/16/2027	9,660.71		1.05
1/15/2025	1/15/2025	5,180.95	448977AD0	HART 2022-A A3	2.22%	10/15/2026	5,180.95		0.07
1/15/2025	1/15/2025	7,127.17	14318MAD1	CARMX 2022-3 A3	3.97%	4/15/2027	7,127.17		0.08
1/16/2025	1/16/2025	2,496.63	362585AC5	GMCAR 2022-2 A3	3.10%	2/16/2027	2,496.63		0.22
1/25/2025	1/25/2025	2,692.77	05602RAD3	BMWOT 2022-A A3	3.21%	8/25/2026	2,692.77		0.05
2/1/2025	2/25/2025	178.75	3137HAD45	FHMS KJ46 A1	4.77%	6/1/2028	178.75		0.01
2/1/2025	2/25/2025	1.50	3136BQDE6	FNA 2023-M6 A2	4.19%	7/1/2028	1.50		0.02
2/1/2025	2/25/2025	329.49	3137BTUM1	FHMS K061 A2	3.34%	11/1/2026	329.49		5.26

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
PAYDOWNS									
2/15/2025	2/15/2025	7,566.78	14318MAD1	CARMX 2022-3 A3	3.97%	4/15/2027	7,566.78		0.08
2/15/2025	2/15/2025	2,574.33	98163KAC6	WOART 2021-D A3	0.81%	10/15/2026	2,574.33		0.12
2/15/2025	2/15/2025	9,172.99	58768PAC8	MBART 2022-1 A3	5.21%	8/16/2027	9,172.99		0.96
2/15/2025	2/15/2025	5,168.28	448977AD0	HART 2022-A A3	2.22%	10/15/2026	5,168.28		0.07
2/16/2025	2/16/2025	2,419.42	362585AC5	GMCAR 2022-2 A3	3.10%	2/16/2027	2,419.42		0.21
2/25/2025	2/25/2025	2,565.83	05602RAD3	BMWOT 2022-A A3	3.21%	8/25/2026	2,565.83		0.04
3/1/2025	3/25/2025	389.94	3137BTUM1	FHMS K061 A2	3.34%	11/1/2026	389.94		5.94
3/1/2025	3/25/2025	2.07	3136BQDE6	FNA 2023-M6 A2	4.19%	7/1/2028	2.07		0.02
3/1/2025	3/25/2025	291.15	3137HAD45	FHMS KJ46 A1	4.77%	6/1/2028	291.15		0.01
3/15/2025	3/15/2025	7,282.90	14318MAD1	CARMX 2022-3 A3	3.97%	4/15/2027	7,282.90		0.08
3/15/2025	3/15/2025	4,570.99	448977AD0	HART 2022-A A3	2.22%	10/15/2026	4,570.99		0.07
3/15/2025	3/15/2025	2,384.71	98163KAC6	WOART 2021-D A3	0.81%	10/15/2026	2,384.71		0.11
3/15/2025	3/15/2025	8,405.94	58768PAC8	MBART 2022-1 A3	5.21%	8/16/2027	8,405.94		0.85
3/16/2025	3/16/2025	2,337.67	362585AC5	GMCAR 2022-2 A3	3.10%	2/16/2027	2,337.67		0.20
3/25/2025	3/25/2025	2,370.18	05602RAD3	BMWOT 2022-A A3	3.21%	8/25/2026	2,370.18		0.04
3/25/2025	3/25/2025	4,204.61	05592XAD2	BMWOT 2023-A A3	5.47%	2/25/2028	4,204.61		0.47
Total PAYDOWNS		**92,658.87**					**92,658.87**		**22.83**

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
SELL									
1/2/2025	1/7/2025	375,000.00	91282CJL6	US TREASURY N/B	4.87%	11/30/2025	379,032.50		-45.07
1/2/2025	1/7/2025	600,000.00	91282CBC4	US TREASURY N/B	0.37%	12/31/2025	578,199.76		-19,366.91
1/14/2025	1/17/2025	50,000.00	91282CBC4	US TREASURY N/B	0.37%	12/31/2025	48,200.22		-1,607.95
1/16/2025	1/17/2025	225,000.00	91282CBC4	US TREASURY N/B	0.37%	12/31/2025	217,024.00		-7,112.75
2/3/2025	2/6/2025	325,000.00	91282CBC4	US TREASURY N/B	0.37%	12/31/2025	314,130.43		-9,764.94
2/10/2025	2/12/2025	65,000.00	91282CBH3	US TREASURY N/B	0.37%	1/31/2026	62,623.90		-2,138.20
2/10/2025	2/12/2025	80,000.00	91282CGE5	US TREASURY N/B	3.87%	1/15/2026	79,961.66		84.98
3/3/2025	3/4/2025	160,000.00	02007WAC2	ALLYA 2023-1 A3	5.46%	5/15/2028	161,836.07		1,393.09
3/3/2025	3/4/2025	140,000.00	254683CW3	DCENT 2022-A3 A3	3.56%	7/15/2027	139,748.98		-505.74
3/3/2025	3/5/2025	520,000.00	91282CGE5	US TREASURY N/B	3.87%	1/15/2026	521,549.37		1,034.95
3/4/2025	3/5/2025	175,000.00	91282CGR6	US TREASURY N/B	4.62%	3/15/2026	179,821.34		956.48
3/4/2025	3/5/2025	180,000.00	91282CBQ3	US TREASURY N/B	0.50%	2/28/2026	173,845.82		-5,586.36
3/4/2025	3/5/2025	125,000.00	91282CGR6	US TREASURY N/B	4.62%	3/15/2026	128,443.81		728.21
3/12/2025	3/14/2025	170,000.00	91282CGR6	US TREASURY N/B	4.62%	3/15/2026	174,732.97		843.78
3/19/2025	3/20/2025	500,000.00	91282CEN7	US TREASURY N/B	2.75%	4/30/2027	492,270.81		23.55

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par ($)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount ($)	Yield at Market	Realized G/L (BV)
SELL									
3/26/2025	3/31/2025	250,000.00	91282CBW0	US TREASURY N/B	0.75%	4/30/2026	241,953.99		-6,851.10
Total SELL		**3,940,000.00**					**3,893,375.63**		**-47,913.98**

Important Disclosures

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- In accordance with generally accepted accounting principles, information is presented on a trade date basis; forward settling purchases are included in the monthly balances, and forward settling sales are excluded.

- Performance is presented in accordance with the CFA Institute's Global Investment Performance Standards (GIPS). Unless otherwise noted, performance is shown gross of fees. Quarterly returns are presented on an unannualized basis. Returns for periods greater than one year are presented on an annualized basis. **Past performance is not indicative of future returns.**

- ICE Bank of America Indices provided by Bloomberg Financial Markets.

- Money market fund/cash balances are included in performance and duration computations.

- Standard & Poor's is the source of the credit ratings. Distribution of credit rating is exclusive of money market fund/LGIP holdings.

- Callable securities in the portfolio are included in the maturity distribution analysis to their stated maturity date, although, they may be called prior to maturity.

- MBS maturities are represented by expected average life.

Glossary

- Accrued Interest: Interest that is due on a bond or other fixed income security since the last interest payment was made.
- Agencies: Federal agency securities and/or Government-sponsored enterprises.
- Amortized Cost: The original cost of the principal of the security is adjusted for the amount of the periodic reduction of any discount or premium from the purchase date until the date of the report. Discount or premium with respect to short-term securities (those with less than one year to maturity at time of issuance) is amortized on a straight line basis. Such discount or premium with respect to longer-term securities is amortized using the constant yield basis.
- Asset-Backed Security: A financial instrument collateralized by an underlying pool of assets – usually ones that generate a cash flow from debt, such as loans, leases, credit card balances, and receivables.
- Bankers' Acceptance: A draft or bill or exchange accepted by a bank or trust company. The accepting institution guarantees payment of the bill as well as the insurer.
- Commercial Paper: An unsecured obligation issued by a corporation or bank to finance its short-term credit needs, such as accounts receivable and inventory.
- Contribution to Total Return: The weight of each individual security multiplied by its return, then summed for each sector to determine how much each sector added or subtracted from the overall portfolio performance.
- Effective Duration: A measure of the sensitivity of a security's price to a change in interest rates, stated in years.
- Effective Yield: The total yield an investor receives in relation to the nominal yield or coupon of a bond. Effective yield takes into account the power of compounding on investment returns, while nominal yield does not.
- FDIC: Federal Deposit Insurance Corporation. A federal agency that insures bank deposits to a specified amount.
- Interest Rate: Interest per year divided by principal amount and expressed as a percentage.
- Market Value: The value that would be received or paid for an investment in an orderly transaction between market participants at the measurement date.
- Maturity: The date upon which the principal or stated value of an investment becomes due and payable.
- Negotiable Certificates of Deposit: A CD with a very large denomination, usually $1 million or more, that can be traded in secondary markets.
- Par Value: The nominal dollar face amount of a security.
- Pass-through Security: A security representing pooled debt obligations that passes income from debtors to its shareholders. The most common type is the mortgage-backed security.

Glossary

- Repurchase Agreements: A holder of securities sells these securities to an investor with an agreement to repurchase them at a fixed price on a fixed date.
- Settle Date: The date on which the transaction is settled and monies/securities are exchanged. If the settle date of the transaction (i.e., coupon payments and maturity proceeds) occurs on a non-business day, the funds are exchanged on the next business day.
- Supranational: A multinational union or association in which member countries cede authority and sovereignty on at least some internal matters to the group, whose decisions are binding on its members.
- Trade Date: The date on which the transaction occurred; however, the final consummation of the security transaction and payment has not yet taken place.
- Unsettled Trade: A trade which has been executed; however, the final consummation of the security transaction and payment has not yet taken place.
- U.S. Treasury: The department of the U.S. government that issues Treasury securities.
- Yield: The rate of return based on the current market value, the annual interest receipts, maturity value, and the time period remaining until maturity, stated as a percentage on an annualized basis.
- YTM at Cost: The yield to maturity at cost is the expected rate of return based on the original cost, the annual interest receipts, maturity value, and the time period from purchase date to maturity, stated as a percentage on an annualized basis.
- YTM at Market: The yield to maturity at market is the rate of return based on the current market value, the annual interest receipts, maturity value, and the time period remaining until maturity, stated as a percentage on an annualized basis.

https://www.dailyrepublic.com/news/solano-rcd-sewer-district-turn-wastewater-into-science-lessons/article_8beaa198-47a5-4721-9183-8f544e0d8bd2.html

FEATURED

Solano RCD, sewer district turn wastewater into science lessons

Daily Republic Staff
Apr 3, 2025

Suisun City students from Crecent Elementary plant native plants at Fairfield-Suisun Sewer District. (Courtesy photo)

FAIRFIELD — More than 300 fifth-graders are getting an education in wastewater.

“By partnering with Solano RCD on education and restoration efforts, we help ensure that local waterways remain healthy for future generations,” Meg Herston, director of Environmental Services at the Fairfield-Suisun Sewer District, said in a statement released by the Solano Resource Conservation District. “We value Solano RCD’s ability to connect people with their environment in meaningful ways, and we look forward to continuing this collaboration.”

The second-year FSSD Education Program "is cultivating a new generation of environmental stewards by providing students with a comprehensive understanding of wastewater treatment and its impact on local water resources and the community," the statement said.

The program begins in the classroom, then heads out into the real world.

"This unique educational experience begins with an engaging classroom pre-lesson, where students explore the urban water cycle and learn how to be responsible with their wastewater. They discover the critical role of wastewater treatment facilities and the steps of the treatment process in preparation for an immersive field trip to the Fairfield-Suisun Sewer District," the statement said.

The field trip transforms the treatment plant into a living laboratory, offering students:

• Real-world science: Witnessing the intricate biological and physical processes that clean wastewater.

• Community voice: Participating in a community meeting to vote on uses for unused pond basins at FSSD.

• Habitat restoration: Contributing to monarch butterfly conservation by planting native flora around the facility.

• STEM career exploration: Connecting with FSSD plant operators and engineers, sparking interest in potential science, technology, engineering and mathematics (STEM) careers.

The conservation district, along with the sewer district, run the program for students in the Fairfield and Suisun City areas during March and April. This year, 330 students in four schools participated.

The program is ending this week with "a post-lesson focused on climate resiliency and sea-level rise. Through an interactive game, students explore adaptive solutions and then write letters to local leaders, advocating for environmental change," the statement said.

Solano RCD provides diverse water and watershed science education programs for students from elementary to high school.

Learn more about the Fairfield-Suisun Sewer District Education Program and other Solano RCD initiatives at www.solanorcd.org or by sending an email to education@solanorcd.org. Discover more about the Fairfield-Suisun Sewer District at www.fssd.com.

Governor's Office of Land Use and Climate Inno... + Follow ···

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The Fairfield-Suisun Sewer District is educating the community on the importance of water management & sea level rise! 🌎✨As an LCI Regional Resilience Grant Program (RRGP) grantee, they're developing a Sea Level Rise Vulnerability Analysis for their area and an Action Plan to help protect communities from rising waters. 🌊🏗️

Last week, they brought local students into the conversation! 👧👩 Students toured the wastewater treatment plant, explored lab and operations departments, and learned firsthand about stormwater management and how it can be used to protect communities and the environment by preventing flooding, and erosion, while also enhancing water quality and supporting healthy ecosystems.💧🔬

🌿 In the classroom, they dove into sea level rise, climate resilience, and community decision-making—even voting on hypothetical projects and policies to practice civic engagement! 🗳️🏛️ The day ended with a lesson on nature-based solutions and a hands-on planting activity to reinforce the power of green infrastructure! 🌳🌎

👏 Huge shoutout to Fairfield-Suisun Sewer District for engaging the next generation in building a climate-resilient future! And a special thank you to Solano Resource Conservation District for your help organizing the classroom curriculum part of the day!🌟

#SeaLevelRise #Sustainability #GreenInfrastructure #WaterManagement #STEMEducation #FutureLeaders #NatureBasedSolutions #CommunityEngagement #RRGP

Fairfield-Suisun Sewer District

Contemplated Board of Directors Agenda Items

April 28, 2025

Month Year	Contemplated Board of Directors Meeting Agenda Items	Executive Committee	Board of Directors
May 2025	1. Adopt Resolution Approving Budget 2. Adopt Resolution Approving Employee Salary Schedule 3. Review Updates and Approve Investment Policy 4. Review Board Compensation 5. Award Construction Contract for Roof Rehabilitation	5/12/2025	5/19/2025
June 2025	1. Award Construction Contract for Aeration Basin Upgrades Project 2. Award Professional Services Contract for Collection System Master Plan 3. Award Design Contract for Sewer Trunk Lining Rehabilitation Project 4. Presentation on District Master Planning Efforts 5. Overview of Debt Financing Options for Capital Improvements Program 6. Award of Professional Services Contract for Rate Study	6/16/2025	6/23/2025
July 2025	1. Quarterly Investment Report 2. Award Design Contract for Lopes Lift Station Capacity Expansion 3. General Manager Quarterly Check-In (Executive Committee)	7/21/2025	7/28/2025
August 2024		Not Scheduled	Not Scheduled
September 2025	1. General Manager Quarterly Check-In (Executive Committee) 2. Treatment Plant Energy Profile and Cost Saving Measures	9/15/2025	9/22/2025
October 2025	1. Quarterly Investment Report 2. Discussion on Drainage Maintenance Program Funding Deficit 3. Award Professional Services Contract for the Storm Drain Master Plan 4. Receive Report on District Internship Program	10/20/2025	10/27/2025
November 2025	1. Adopt Board Calendar for 2026 2. Receive Report on District Community Engagement Strategy 3. Award Construction Contract for Electrical Replacement Project, Phase 2	11/17/2025	11/24/2025
December 2025		Not Scheduled	Not Scheduled
January 2026	1. Quarterly Investment Report 2. Report on Financial Audit for FY 2023-2024 3. General Manager Quarterly Check-In (Executive Committee)	1/12/2026	1/26/2026
February 2026	1. Directors Report on CASA Winter Conference	2/9/2026	2/23/2026
March 2026	1. Directors Report on CASA DC Policy Forum Meeting	3/16/2026	3/23/2026
April 2026	1. Quarterly Investment Report 2. General Manager Annual Performance Evaluation	4/20/2026	4/27/2026

Board of Directors Meeting Minutes
Date: Monday, April 28, 2025
Meeting Place: 1010 Chadbourne Road, Fairfield, California
Meeting Time: 6:00 pm

1. The meeting was called to order at 6:00 p.m. by President Jenalee Dawson. President Dawson presided over the meeting.

   Roll Call – The following Board members were present: Directors Carr, Dawson, Hernandez, Pal, Panduro, Shepherd, Tonnesen, and Williams. Directors Moy and Washington were absent. No Board Alternates were present.

2. Pledge of Allegiance was led by Director Doug Carr.

3. Public Comments: No comments.

4. Director Comments: No Comments.

5. General Manager Report – General Manager Jordan Damerel updated the Board of Directors on the Kellogg Resiliency Project. Damerel also shared that the District's NPDES permit renewal is on hold due to a recent Supreme Court ruling (San Francisco v. Environmental Protection Agency) this past February. The Water Board pulled all permits up for adoption in March to review and ensure they conform with the recent ruling. The District will continue under the old permit until the new permit is adopted. Damerel called attention to Item 8b under Information Items, which highlights the Fairfield-Suisun Sewer District Education Program. Earth Day Clean Up occurred Saturday, April 26 with over 50 volunteers at 2 sites, removing over 1,000 pounds of garbage. The Board was reminded to submit updated tax and ACH forms.

6. Consent Calendar:
   (a) Adopt Resolution No. 2025-12 Accepting Grant Funds from California Ocean Protection Council for the Solano Bayshore Resiliency Project
   (b) Adopt Resolution No. 2025-13 Recertifying the Sewer System Management Plan
   (c) Approve Board Minutes of March 24, 2025

   No comments.

   Upon motion by Director Pal, seconded by Director Tonnesen, the Consent Calendar was passed by the following vote:

   AYES: Carr, Dawson, Hernandez, Pal, Panduro, Shepherd, Tonnesen, Williams
   NOES: None
   ABSTAIN: None
   ABSENT: Moy, Washington

7. Action Item:
   (a) Presentation on Rate Study Process

   Director of Administrative Services James Russell-Field presented a review of the District's Rate Study process to the Board, including an overview of key requirements of Proposition 218.

8. Information Item:
   (a) Quarterly Investment Report
   (b) Fairfield-Suisun Sewer District Education Program
   (c) Board Calendar

   No comments.

9. Closed Session:

   The Board of Directors recessed to Closed Session at 6:26 pm to discuss the following matter:

   (a) Gov. Code Section 54956.8: Conference with Real Property Negotiators regarding Price and Terms for Property: Various easements and deed restrictions on APNs 0032-180-580, 0032-091-190, 0032-091-180, 0032-091-230, 0032-091-210, 0032-042-770, 0032-042-780, 0032-042-790, and 0032-032-160; Agency Negotiator: Jordan Damerel, General Manager; Negotiating Parties: City of Suisun City (Bret Prebula, City Manager), City of Fairfield (David Gassaway, City Manager), ZMAN LLC (Camran Nojoomi)
   (b) Gov. Code Section 54957: Public Employee Performance Evaluation; Title: General Manager

   Director Pal recused himself in the matters of Item 9a.

The Board reconvened at 6:56 pm with no reportable actions. The meeting adjourned at 6:56 pm.

Respectfully submitted,

President

ATTEST:

District Clerk