RBM Handout: 04/09/24
Agenda Item: D4

On Map	Fund 70				
	Project	Account	Account Name	24-25 Budget	Total Cost
1	CMMS	10-5145-0	Application Development	$ 430,000	$ 430,000
2	SCADA System (WTP)	10-5146-0	SCADA System (WTP)	$ 559,000	$ 4,270,903
3	SCADA System (WS)	10-5147-0	SCADA System (WS)	$ 250,000	$ 289,853
4	USBR Water Management Plan	10-5110-0	Reports and Studies	$ 70,000	$ 70,000
5	Water Supply Master Plan	10-5116-0	Professional Services - Planning	$ 350,000	$ 529,956
	Fund 71				
	Project	Account	Account Name	Budget	
6	Highway 4 Traveling Trash Racks [1]	10-5217-0	Lower Farmington Canal	$ 200,000	$ 587,119
7	Raise LFC Bridge #6 [1]	10-5217-0	Lower Farmington Canal	$ 105,000	$ 105,000
8	Modify LFC Headworks	10-5217-0	Lower Farmington Canal	$ 55,000	$ 55,000
9	Peters Pipeline Valve Station Improvements [1]	10-5225-0	Peters Pipeline Maintenance	$ 250,000	$ 250,000
10	Potter Creek Pump Station Upgrade	10-5203-0	NH General Maintenance - AG	$ 830,000	$ 1,660,000
11	Calaveras Pipeline	10-5203-0	NH General Maintenance - AG	$ 1,575,000	$ 1,575,000
12	McGurk Low Water Crossing	10-5204-0	Upper Calaveras River to Bellota	$ 100,000	$ 850,510
13	George Watkins Low-Water Crossing	10-5205-0	New Hogan Distribution	$ 900,000	$ 900,000
14	Design OCR Fish Passage Barrier at OCR/SDC Confluence	10-5205-0	New Hogan Distribution	$ 245,000	$ 245,000
15	Design Flow Measurement Site at OCR/SDC Confluence	10-5205-0	New Hogan Distribution	$ 75,000	$ 75,000
16	Air Release Valve Replacement [1]	10-5206-0	Bellota Pipeline and Intake	$ 150,000	$ 150,000
17	Tunnel Flume Meter	10-5214-0	Goodwin Tunnel	$ 1,500,000	$ 1,718,684
	Fund 94				
	Project	Account	Account Name	Budget	
18	Filtration System Design	10-5206-0	Bellota Pipeline	$ 425,000	$ 1,590,000
19	Aquifer Storage Recovery Well Construction	10-5323-0	Maintenance & Repair - Treatment Plant	$ 2,100,000	$ 2,100,000
20	Finish Reservoir Dive Inspections	10-5323-0	Maintenance & Repair - Treatment Plant	$ 100,000	$ 10,000
21	Solids Handling - Dewatering Lagoons Construction	10-5323-0	Maintenance & Repair - Treatment Plant	$ 4,100,000	$ 11,200,000
22	Replace and Retrofit Main Discharge Actuators	10-5323-0	Maintenance & Repair - Treatment Plant	$ 120,000	$ 400,000
23	Low Lift P-3 Pump Replacement	10-5323-0	Maintenance & Repair - Treatment Plant	$ -	$ 525,000
24	Low Lift Stand-by Generators and Switchgear Replacement Design	10-5323-0	Maintenance & Repair - Treatment Plant	$ 240,000	$ 240,000
25	WTP Master Plan	10-5323-0	Maintenance & Repair - Treatment Plant	$ 175,000	$ 752,415
26	120/208V Distribution and Feeder Replacements	10-5323-0	Maintenance & Repair - Treatment Plant	$ 300,000	$ 300,000
27	MCC-2 Rehabilitation	10-5323-0	Maintenance & Repair - Treatment Plant	$ 65,000	$ 65,000
28	Replace Basement Chemical Components and Piping 1	10-5323-0	Maintenance & Repair - Treatment Plant	$ 75,000	$ 75,000
29	Replace Reservoir Meters [1]	10-5323-0	Maintenance & Repair - Treatment Plant	$ 200,000	$ 200,000
30	HSPS Roof Replacement	10-5326-0	Maintenance & Repair - Buildings	$ 137,500	$ 137,500

[1] SEWD Staff Plans to Construct

Stockton East Water District
Capital Project Detail Report

Project Title:	**NexGen Computer Maintenance Management System (CMMS)**
Location:	**Water Treatment Plant**
Approved Budget:	**$430,000**
Expected Begin Date	**5/1/2024**
Expected Completion Date	**11/1/2024**
Description:	Transitioning from Maintenance Connection CMMS to NexGen CMMS for Water Treatment Plant and Water Conveyance Asset Management. Reason: Implementing a Computerized Maintenance Management System (CMMS) is crucial for efficient asset management in water treatment plants and water conveyance systems. The transition from Maintenance Connection CMMS to NexGen CMMS facilitates better asset tracking, maintenance scheduling, and cost optimization. Project Scope: 1.Transfer asset information from Maintenance Connection CMMS to NexGen CMMS. 2.Assign importance to assets for prioritized maintenance. 3.Update asset database for both water treatment plants and water conveyance systems. 4.Conduct testing and commissioning to ensure seamless integration and functionality of the new system. 5.Provide training to staff for effective utilization of NexGen CMMS. 6.There is annual cost of $60,000 for 20 concurrent users. This can be lowered to 10 users with an estimated annual cost of $30,000
Importance/Significance:	Asset management is crucial for optimizing operations, ensuring regulatory compliance, and maximizing asset efficiency, lifespan planning and budgeting.

Summary of Expenses and Forecast

Approved Budget	$430,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	369,000.00	30,000.00	30,000.00
AG	22,140.00	1,800.00	1,800.00
M&I	346,860.00	28,200.00	28,200.00
Grants	-		
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**SCADA System (WTP)**
Location:	**Water Treatment Plant**
Approved Budget:	**$559,000**
Expected Begin Date	4/1/2024
Expected Completion Date	3/31/2025
Description:	In 2015, the District began its multi-year implementation of the Supervisory Control and Data Acquisition (SCADA) system, with the work ramping up in 2019. Currently the District is in phase VI which includes compliance reporting phase 2, SCADA Historian, SCADA automation of WB1, WB2, and DB1, and integration of Monitoring Wells. The $25,000 yearly amount is an ongoing expected cotract with the implementation consultant - to continue to support the systems in case of emergency.
Importance/Significance:	Implementation of plantwide SCADA. The 2013 IT Master Plan identified $6,960,000 for both WTP and WS SCADA Implementation. Through the end of FY 2023 it is estimated that $3,189,812 would have been spent on the WTP SCADA system - this last part should complete the initial implementation, bringing the total to about $3,748,812.

Summary of Expenses and Forecast

Approved Budget	$559,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$ 559,000	$ 25,000	$ 25,000
AG			
M&I	$ 559,000	$ 25,000	$ 25,000
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**SCADA System (WS)**
Location:	**New Hogan and New Melones Conveyance System**
Approved Budget:	**$250,000**
Expected Begin Date	4/1/2024
Expected Completion Date	3/31/2025
Description:	The District has undertaken to install SCADA equipment at various Water Supply sites such Eilers, Gotelli, Shelton road, Cotta Ferrar, Lower Farmington Dam, 5 spill sites, trashracks, etc. and requires programming and integration. A dedicated Water Supply SCADA system is being created to have all sites integrated. Measure end of system operational losses on New Hogan Conveyance Sytem and integrate to SCADA. Spill Sites: Mcallen Dam, Main Street Dam, Leffler Dam & Crossing, Bear Creek Diversion Dam and Delucci Dam & Crossing.
Importance/Significance:	High importance due to water measurement and water use reporting compliance. Implementation of District-wide SCADA. The 2013 IT Master Plan identified $6,960,000 for both WTP and WS SCADA Implementation. Through the end of FY 2023 it is estimated that $163,014 would have been spent on the WS SCADA system. This last part should complete the intial implementation, bringing the total to about $413,014.

Summary of Expenses and Forecast	
Approved Budget	$250,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$250,000		
AG	$77,500		
M&I	$172,500		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**USBR Water Management Plan**
Location:	**District-wide**
Approved Budget:	**$70,000**
Expected Begin Date	4/1/2024
Expected Completion Date	3/31/2025
Description:	The District is required to complete an updated USBR Water Management Plan every 5 years. The WMP consists of an introduction to SEWD, its history, and previous water management activities; a detailed description of the District's physical setting, formation, organization, operations, and facilities; an inventory of water supplies and uses; and a review of SEWD's efforts to implement all critical and other locally cost-effective agricultural and urban BMPs.
Importance/Significance:	Required by USBR Standard Criteria

Summary of Expenses and Forecast	
Approved Budget	$70,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$70,000		
AG	$12,600		
M&I	$57,400		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Water Supply Master Plan**
Location:	**New Hogan and New Melones Conveyance System**
Approved Budget:	**$350,000**
Expected Begin Date	6/1/2023
Expected Completion Date	3/31/2025
Description:	A Water Supply Master Plan is an assessment of existing infrastructure and general direction on potential mid- and long-term infrastructure needs to: (1) assist with maintaining and improving its long-term operational reliability; and, (2) provide a sufficient technical basis to support future project justifications. The Water Supply Master Plan explains strategy for providing reliable and sustainable water in a cost-effective manner, while working towards satisfying the outcome areas of the Strategic Plan.
Importance/Significance:	A Water Supply Master Plan will list specific projects by priority for the next 20 years.

Summary of Expenses and Forecast

Approved Budget	$350,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$ 350,000		
AG	$ 63,000		
M&I	$ 287,000		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Highway 4 Traveling Trash Racks**	
Location:	**Lower Farmington Canal, Farmington, CA**	
Approved Budget:	**$200,000**	
Expected Begin Date	11/5/2024	(construction; work on preconstruction items are currently in progress)
Expected Completion Date	12/12/2024	
Description:	The Highway 4 traveling trash racks project includes the construction of a new screening structure with associated spoil area for debris picked up by the screen. Aside from construction of the screening structure a new PG&E service is needed to be brought to the site.	
Importance/Significance:	This project is important for debris not to get stuck in the siphons under Highway 4 and to reduce debris in the canal to lighten trashload for customer turnouts.	

Summary of Expenses and Forecast

Approved Budget	$200,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$ 200,000		
AG	$ 10,000		
M&I	$ 190,000		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Raise LFC Bridge #6**
Location:	**Lower Farmington Canal, Farmington, CA**
Approved Budget:	**$105,000**
Expected Begin Date	6/1/2024
Expected Completion Date	6/15/2024
Description:	Lower Farmington Canal provides New Melones System Water to the District. The smallest cross section along LFC is at Bridge #6. This limits the flow rate of water at this location. To avoid flooding or high back water at LFC Headworks, the flow rate released through the canal is limited to the capacity of Bridge #6. The Raise LFC Bridge #6 Project will expand the flow capacity of the Lower Farmington Canal, effectively increasing the amount of New Melones System Water that could be conveyed at once. To raise the bridge, District Staff will lift the bridge and place permanent blocks under each side of the bridge.
Importance/Significance:	Raising Bridge #6 will remove the bottleneck for the LFC design flow.

Summary of Expenses and Forecast	
Approved Budget	$105,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$ 105,000		
AG	$ 5,250		
M&I	$ 99,750		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Modify LFC Headworks**
Location:	**Lower Farmington Canal, Farmington, CA**
Approved Budget:	**$55,000**
Expected Begin Date	10/15/2024
Expected Completion Date	10/30/2024
Description:	The Flume Gates at Lower Farminton Headworks were installed by Rubicon in 2021. These gates measure New Melones Conveyence System Water. Due to decreases in cross section in the LFC, yearly weed growth in LFC, and limited capacity of Rock Creek Headworks, the water level passing over the rubicon gates is higher than originally designed. This high water level at LFC Headworks is above the capacity of the Flume Gates. The Modify LFC Headworks Project will raise the Flume Gates about twelve inches to allow for more flow to the Lower Farmington Canal.
Importance/Significance:	Modify LFC Headworks will allow measurement of the water during peak flows.

Summary of Expenses and Forecast	
Approved Budget	$55,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$ 55,000		
AG	$ 2,750		
M&I	$ 52,250		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Peters Pipeline Valve Station Improvements**
Location:	**Peter Pipeline in Linden, near E. Milton Road**
Approved Budget:	**$ 250,000.00**
Expected Begin Date	Oct-24
Expected Completion Date	Dec-24
Description:	The project consists of demolishing an existing water level control structure on the Peters Pipeline, and replacing with a "spill-over wall" structure to control pipe water level for improved system operation while agricultural customers are diverting from the pipeline. The budget for FY24-25 consists of replacing one vault structure, near E. Milton Road.
Importance/Significance:	High importance due to encouraging growers to utilize surface water off of the Peters Pipeline for groundwater sustainability and ensure smoother operation of the District's critical infastructure.

Summary of Expenses and Forecast

Approved Budget	$ 250,000.00

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$ 250,000.00		
AG			
M&I			
Grants			
	250,000.00	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Calaveras Pipeline**
Location:	**New Hogan Conveyance System**
Approved Budget:	**$1,575,000**
Expected Begin Date	10/15/2024
Expected Completion Date	2/15/2024
Description:	A Calaveras Pipeline will run south from Old Calaveras River towards Hwy 26. This Pipeline will divert New Hogan System water from Old Calaveras River to provide a gravity fed pipeline to Ag Users. Ag Users will then be able to pump the surface water out of the pipeline. The budget for the Calaveras Pipeline Project will be used for the design, permitting, and construction of the new pipeline.
Importance/Significance:	A Calaveras Pipeline would aid Ag Users to transition from groundwater to surface water

Summary of Expenses and Forecast

Approved Budget	$1,575,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	1,575,000.00		
AG	1,575,000.00		
M&I	-		
Grants	-		
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Potter Creek Pump Station Upgrade**
Location:	**New Hogan Conveyance System**
Approved Budget:	**$830,000**
Expected Begin Date	12/15/2024
Expected Completion Date	2/15/2024
Description:	Potter Creek Pump Station currently has two existing pumps: 4,000 GPM and 8,000 GPM. To provide sufficient flows for farmer's outlets along Potter Creek, the pump capacity needs to be increase at this location. Potter Creek Pump Station Upgrade will add a third pump--8,000 GPM--and improve the structure of the two existing pumps. The vertical sump design for these three pump structures will extend the lifespan of the pumps and eliminate the need for annual removal or installation of the pumps. **Possible USACE Permitting Delays may cause this to be delayed and/or span two fiscal years. As such the 2025-2026 figure is uncertain**
Importance/Significance:	Potter Creek Pump Station diverts water from Mormon Slough to Potter Creek to provide water for irrigation outlets along Potter Creek

Summary of Expenses and Forecast

Approved Budget	$830,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$ 830,000	830,000.00	
AG	$ 830,000	$ 830,000	
M&I	$ -		
Grants	$ -		
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**McGurk Low Water Crossing**
Location:	**Upper Calaveras River to Bellota**
Approved Budget:	**$100,000**
Expected Begin Date	4/1/2024
Expected Completion Date	3/31/2025
Description:	The McGurk Crossing is located on the Calaveras River, upstream of the Bellota Weir. District staff typically constructs a water crossing using earth material at the site with CMP pipes to allow landowner access across the channel. The proposed project would replace the existing crossing, that often is destroyed from winter flows, with reinforced concrete box culverts.
Importance/Significance:	The box culverts will provide continued access, improve fish passage, and reduce maintenance costs from rebuilding earthen dams and crossing every year.

Summary of Expenses and Forecast

Approved Budget	$100,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	100000		
AG	100,000.00		
M&I			
Grants	600,000.00		
	(600,000.00)	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**George Watkins Low-Water Crossing**
Location:	**Upper Calaveras River to Bellota**
Approved Budget:	**$900,000**
Expected Begin Date	4/1/2024
Expected Completion Date	3/31/2025
Description:	The proposed design will remove the existing road crossing barrier and replace it with a set of concrete box culverts. The streambed around the crossing will be graded to match the channel slope of reach, removing riprap and remediating scour and aggradation caused by the crossing.
Importance/Significance:	The Watkins low water crossing replacement (Watkins) is part of the Calaveras Fish Passage Improvements for Flashboard Dam and Low Water Crossing Project, an effort funded by the Department of Water Resources San Joaquin Fish Population Enhancement Program whose goal is to enhance native fish populations, and reduce their vulnerability to water diversions, predation, and other impacts in the lower San Joaquin River watershed.

Summary of Expenses and Forecast	
Approved Budget	$900,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$900,000		
AG	$102,000		
M&I	$198,000		
Grants	$600,000		
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Design OCR Fish Passage Barrier at OCR/SDC Confluence**	
Location:	**Concfluence of the Old Calaveras River and the Stockton Diverting Canal**	
Approved Budget:	**$ 245,000.00**	
Expected Begin Date	Ongoing	
Expected Completion Date	TBD	
Description:	Design a permanent barrier structure in the Old Calaveras River (OCR), at its confluence with the Stockton Diverting Canal (SDC). The barrier structure will prevent fish migration up OCR and force migration up the SDC and Mormon Slough. Staff prefers a reinforced concrete long-crested weir to be used at the site to act as a fish barrier due to cost effectiveness and feasibility.	
Importance/Significance:	Blocking fish passage up the Old Calaveras River is critical for the District, as this project must be completed to maintain compliance with the Calaveras Habitat Conservation Plan.	

Summary of Expenses and Forecast	
Approved Budget	$ 245,000.00

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$ 245,000.00		
AG	$ 83,300.00		
M&I	$ 161,700.00		
Grants	$ -		

Stockton East Water District
Capital Project Detail Report

Project Title:	**Design Flow Measurement Site at OCR/SDC Confluence**
Location:	**Concfluence of the Old Calaveras River and the Stockton Diverting Canal**
Approved Budget:	**$ 75,000.00**
Expected Begin Date	TBD
Expected Completion Date	TBD
Description:	Design a flow measurement system at the confluence of the Old Calaveras River (OCR) and the Stockton Diverting Canal (SDC), to measure flow rates and water volumes leaving the OCR conveyance system and entering SDC.
Importance/Significance:	This project is critical as it must be completed for the District to maintain compliance with the Calaveras Habitat

Summary of Expenses and Forecast			
Approved Budget	$ 75,000.00		
Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$ 75,000.00		
AG	$ 25,500.00		
M&I	$ 49,500.00		
Grants	$ -		

Stockton East Water District
Capital Project Detail Report

Project Title:	**Air Release Valve Replacement**
Location:	**New Hogan Conveyance System - Bellota Pipeline**
Approved Budget:	**$150,000**
Expected Begin Date	Summer 2024
Expected Completion Date	Summer 2024
Description:	Install standpipes in key locations on the Bellota Pipeline to improve its hydraulics and capacity.
Importance/Significance:	Increasing the capacity of the Bellota Pipeline is critical to meet the demand of the WTP when the District is solely operating on New Hogan water. The improvements will make the pipeline more resilent during a drought year.

Summary of Expenses and Forecast

Approved Budget	$ 150,000.00

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$150,000		
AG	$150,000		
M&I			
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Tunnel Flume Meter**
Location:	**New Melones Conveyance System - Upper Farmington Canal**
Approved Budget:	**$ 1,500,000.00**
Expected Begin Date	Oct-24
Expected Completion Date	Dec-24
Description:	Construction of a reinforced concrete Replogle flow-measuring flume in the Upper Farmington Canal. Budget Amendment at 2/6/24 RBM. Transfer from: 94 10-5323-0 Maint. & Repair TP-Solids Handling/Dewatering Lagoons $1,425,000 71 10-5203-0 NH Gen. Maintenance -AG-Calaveras Pipeline $75,000 Transfer to: 71 10-5214-0 Goodwin Tunnel-Tunnel Flume Meter
Importance/Significance:	High importance due to need for accurate flow measurement and water use reporting of New Melones water diversions and operational improvement

Summary of Expenses and Forecast

Approved Budget	$ 1,500,000.00

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$ 1,500,000.00		
AG	$ 56,825.00		
M&I	$ 1,079,675.00		
Grants	$ 363,500.00		
	$ -	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Filtration System Design**
Location:	**Water Treatment Plant**
Approved Budget:	**$425,000**
Expected Begin Date	10/1/2024
Expected Completion Date	6/1/2024
Description:	Phase 1 of the filtration system design budget is to start design of additional filters to increase redundancy in the filtration system of the WTP and to design an air scour system for better filter performance.
Importance/Significance:	The design of the additional filters and air scour system is to increase redundancy for operation of the WTP at max capacity flows and to improve filter performance.

Summary of Expenses and Forecast	
Approved Budget	$425,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$425,000	$ 1,165,000	
AG	$ -	$ -	
M&I	$ 425,000	$ 1,165,000	
Grants	$ -	$ -	
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Aquifer Storage Recovery Well Construction**
Location:	**Water Treatment Plant**
Approved Budget:	**$2,100,000**
Expected Begin Date	4/16/2024
Expected Completion Date	3/31/2025
Description:	ATechnical Report was prepared by GEI Consultants, Inc. (GEI) to describe the proposed design and methods for implementing an Aquifer Storage and Recovery (ASR) program. The proposed ASR program involves recharge, storage, and recovery of highquality drinking water from the District's water treatment facility (WTF) and delivered via the existing transmission pipelines. The ASR Program will be initiated with the installation of a new ASR well in the vicinity of existing Well 74-01 along with conveyance pipelines to connect with the transmission pipeline and the South Raw Water Reservoir. Well 74-01 will be destroyed with a sand-cement grout. Phase 2 includes construction of the Well and conveyance pipeline.
Importance/Significance:	The objective of the ASR program is to increase the resiliency of the District's water supply portfolio by storing excess drinking water in the aquifer system during the rainy, high river flow season when demand is low and then recovering that stored water during the dry season when river flow is low and demand is high.

Summary of Expenses and Forecast

Approved Budget	$ 2,100,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$ 2,100,000		
AG			
M&I	$ 1,500,000		
Grants	$ 600,000		
	$ -	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Finish Reservoir Dive Inspections**
Location:	**Water Treatment Plant**
Approved Budget:	**$100,000**
Expected Begin Date	1/30/2024
Expected Completion Date	1/31/2024
Description:	This work was completed in Fiscal Year 2023-2024
Importance/Significance:	To identify structural or other issues in the two finished water reservoirs at the WTP

Summary of Expenses and Forecast

Approved Budget	$ 100,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total			
AG			
M&I			
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Solids Handling Dewatering Lagoon**	
Location:	**Water Treatment Plant**	
Approved Budget:	**$4,100,000**	
Expected Begin Date	6/3/2024	
Expected Completion Date	9/1/2025	
Description:	185,000 Security Fencing and Acess Control: 240,000 Dredging North & South Reservoirs; possible $297,028 to WTP Master Plan Construct eight (8) new solids dewatering lagoons for the WTP. Current lagoon capacity at the WTP is insufficient for the amount of water treated at the WTP. The budget for this year will be utilized to start the project off. The lagoons will be built behind the three (3) existing solids dewatering lagoons (to the NW) and will be concrete lined lagoons that tie into the existing piping. Each lagoon will be 125' wide and 225' long and will function the same as the existing lagoons. Included in the project is additional lighting, cameras and potable water piping for washdown.	
Importance/Significance:	This is an important project to allow for more operational flexibility with the residuals developed by the treatment processes in order to operate at the flow capacity required by the WTP and maintain compliance.	

Summary of Expenses and Forecast				
Approved Budget	$ 4,100,000.00	$	3,377,000.00	

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$3,377,000	$7,523,000	

AG	$ -	$ -	$ -
M&I	$ 3,377,000	$ 7,523,000	$ -
Grants	$ -	$ -	$ -
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Low Lift P-3 Replacement**	
Location:	**Water Treatment Plant**	
Approved Budget:	**$400,000**	
Expected Begin Date	4/1/2024	
Expected Completion Date	10/30/2024	
Description:	Amending budget to allocate all funds to P-1 replacement	
Importance/Significance:	To allow for redundant capacity in case of largest pump failure	

Summary of Expenses and Forecast

Approved Budget	400000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$400,000		
AG			
M&I	400,000		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Replace and Retrofit Main Discharge Actuators**
Location:	**Water Treatment Plant**
Approved Budget:	**$120,000**
Expected Begin Date	12/1/2024
Expected Completion Date	1/31/2025
Description:	*Scope is currently being revised due to operational/maintenance concerns with the valves: Original scope was to replace the valve actuators to bring local control and actuator mechanism to top of vaults by High Service Pump Station. Current discusssions of scope indicates that currently budgeted amount will be insufficient with total project costs closer to $400,000.
Importance/Significance:	To allow for local control of the discharge actuators to COS and Cal Water when SCADA is down

Summary of Expenses and Forecast

Approved Budget	$120,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$120,000		
AG			
M&I	$ 120,000		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Low Lift Stand-by Generators and Switchgear Replacement Design**
Location:	**Water Treatment Plant**
Approved Budget:	**$240,000**
Expected Begin Date	4/1/2024
Expected Completion Date	3/31/2025
Description:	Existing WTP Low Lift Stand-by Generators and Switchgear are undersized. The District would like to include the Maintenance Buildings to back up generators. Ideally the District would like to have include manual transfer switch to connect to a mobile generator in case a generator fails. Options include having a 2 generator synchronized system similar to High Service. For High Service, the District would like to have Switchboard A on generator.
Importance/Significance:	The District would like the entire WTP on backup generators for a couple of days, as a natural disaster.

Summary of Expenses and Forecast

Approved Budget	$240,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$240,000		
AG	$0		
M&I	$240,000		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**WTP Master Plan**
Location:	**Water Treatment Plant**
Approved Budget:	**$175,000**
Expected Begin Date	12/15/2023
Expected Completion Date	9/1/2024
Description:	To have a consultant (Stantec) develop a master plan for the WTP looking at demand, raw water quality, treatment processes, raw water pipelines, etc. Also to develop a 20 year capital improvement project schedule. Currently drafting a board memo for a budget amendment for additional funding due to delayed use of funding by consultant. (Total needed $397,028)
Importance/Significance:	To have a third party evaluate the WTP and supply pipelines and create a hollistic plan for the WTP and evaluate infrastructure and operational/maintenance processes.

Summary of Expenses and Forecast

Approved Budget	$ 175,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$572,415		
AG			
M&I	$ 572,415		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**120/208V Distribution and Feeder Replacements**
Location:	**Water Treatment Plant**
Approved Budget:	**$300,000**
Expected Begin Date	4/1/2024
Expected Completion Date	3/31/2025
Description:	Several upgrades and modifications made to the general systems over time in the form of panelboard replacements and upgrades that resulted in utilizing wire nut splices that are readily exposed. Some of these extended conductors have been in service for some time and showed signs of insulation breakdown. Although, wire nuts are an acceptable means of connections, they should be avoided were possible, specifically in critical operational areas. Pulling new wire will be scheduled along with the replacement of existing feeders with new equipment upgrades and replacements
Importance/Significance:	General 120/208 cabling and distribution systems should be upgraded and replaced to meet the latest code requirements with respect protective circuits and systems.

Summary of Expenses and Forecast

Approved Budget	$300,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$300,000		
AG			
M&I	$300,000		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**MCC-2 Rehabilitation**
Location:	**Water Treatment Plant**
Approved Budget:	**$65,000**
Expected Begin Date	4/1/2024
Expected Completion Date	3/31/2025
Description:	Replacement of MCC-2 and Lighting Panel to meet code requirements and replace old equipment. Breakers do not meet fire code. Old breakers used instead of junction boxes per electrical code.
Importance/Significance:	Does not meet code requirements

Summary of Expenses and Forecast

Approved Budget	$65,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$65,000		
AG			
M&I	$65,000		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Replace Basement Chemical Components and Piping 1**
Location:	**Water Treatment Plant**
Approved Budget:	**$75,000**
Expected Begin Date	2/1/2024
Expected Completion Date	12/31/2024
Description:	Original scope for Replace Basement Chemical Components and Piping was completed in the 23-24 FY. The project added a flow meter to carrier water, pressure guages to chemical feeders, and pressure switches to chemical feeders. These components are being integrated into the SCADA system to automate the monitoring of the chemical feeding process. Use of funds for this fiscal year will be to purchase new caustic soda pumps due to the current mismatch in size of the feeders due to reduced need for Caustic Soda with the Sodium Hypochlorite Disinfection
Importance/Significance:	Chemical Feeders pump chemicals into the Raw Water just upstream the Sedimenation Basins

Summary of Expenses and Forecast

Approved Budget	$75,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	75000		
AG			
M&I	75000		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**Replace Reservoir Meters 1**
Location:	**Water Treatment Plant**
Approved Budget:	**$200,000**
Expected Begin Date	4/15/2024
Expected Completion Date	8/15/2024
Description:	Replace Reservoir Meters will provide maintenance to and replace the meters at the ponds & reservoirs at the Water Treatment Plant. Ten meters will be replaced and two meters will be added at the Water Treatment Plant. One meter will be added along the New Hogan Conveyance System.
Importance/Significance:	Reservoir Meters allow us to determine (1) volume of water stored in reservoirs and (2) infiltration rate in recharge ponds

Summary of Expenses and Forecast

Approved Budget	$200,000

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	200000		
AG			
M&I	200000		
Grants			
	-	-	-

Stockton East Water District
Capital Project Detail Report

Project Title:	**HSPS Roof Replacement**
Location:	**Water Treatment Plant**
Approved Budget:	**$137,500**
Expected Begin Date	4/1/2024
Expected Completion Date	3/31/2025
Description:	Recently, urgent concerns have arisen with regard to the deteriorating condition of the roof. The roof is original building features and have been repaired numerous times over the years. As such, it is in very poor condition, and at the end of their useful life, where additional repairs are not advised. Two electric motors have been damaged, due to moisture or foreign elements (as verified by an outside motor pump service company) and staff visually confirmed moisture is coming into the HSPS building from the roof.
Importance/Significance:	Leaking and end of useful life

Summary of Expenses and Forecast

Approved Budget	$137,500

Funding Breakdown	**FY 2024-2025**	**FY 2025-2026**	**FY 2026-2027**
Total	$137,500		

AG	$ -		
M&I	$ 137,500.00		
Grants	$ -		
	-	-	-

Weekly Water Report	As of: Apr 2, 2024	As of: Apr 9, 2024	
New Hogan (NHG) TOC	**229,339**	**245,831***	**AF**
Storage:	225,648	232,774*	AF
Net Storage Change:	+6,486	+7,126	AF
Inflow:	467	496*	CFS
Release:	27	28*	CFS
New Melones (NML) Allocation	**75,000**	**75,000**	**AF**
Storage:	2,051,250	2,021,773*	AF
Net Storage change:	+48,688	-29,477	AF
Inflow:	1,864	1,905**	CFS
Release:	1,113	1,236**	CFS
Source: CDEC Daily Reports			

Goodwin Diversion (GDW)			
Inflow (Tulloch Dam):	1,447	1,501	CFS
Release to Stanislaus River (S-98):	810	477	CFS
Release to OID (JT Main):	396	663	CFS
Release to SSJID (SO Main):	22	100	CFS
Release to SEWD:	38	50	CFS
Total Release	1,266	1,290	CFS
Source: Tri-Dam Operations Daily Report			
Farmington Dam (FRM)			
Diverted to SEWD:	45	55	CFS
Diverted to CSJWCD:	0	0	CFS

Surface Water Used			
Irrigators on New Hogan:	0	0	
Irrigators on New Melones:	0	0	
Out-Of-District Irrigators:	0	0	
DJWWTP Production:	32	30	MGD
North Stockton:	4	5	MGD
South Stockton:	6	5	MGD
Cal Water:	17	18	MGD
City of Stockton DWSP Production:	7	11	MGD

District Ground Water Extraction			
74-01	0	0	GPM
74-02	0	0	GPM
North	0	0	GPM
South	0	0	GPM
Extraction Well # 1	0	0	GPM
Total Well Water Extraction	0	0	GPM
Total Ground Water Production	0	0	MGD

Note: **The data reported here is available as of 04/07/24

***The data reported here is available as of 04/08/24**

All other flow data reported here is preliminary, as of 9:00 a.m. on 04/09/24