



*2024-2028*

*Capital Improvement*

*Plan*

**Adopted December 4, 2023**

**AECOM**

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## **SECTION I – INTRODUCTION**

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The North Harris County Regional Water Authority (the “Authority”) is responsible for securing a long-term supply of quality surface water and to facilitate the transition to surface water in compliance with Harris-Galveston Subsidence District (the “HGSD”) requirements. The mandate requires a 30% reduction of groundwater usage by 2010, 60% reduction of groundwater usage by 2025, and an 80% reduction of groundwater usage by 2035. The Authority is the single entity to negotiate for a supply of surface water for the municipal utility districts, small municipalities and other permitted well owners within its boundaries. The most critical task is developing and constructing the infrastructure to bring surface water to the participants within the boundaries of the Authority. The Authority does not have taxing ability; but rather funds the conversion to surface water from pumpage fees charged to well owners and the sale of surface water.

The Authority continues to construct projects to achieve compliance with the HGSD Regulatory Plan. If the Authority does not meet the requirements of the HGSD Regulatory Plan, the Authority will be subject to the disincentive fee which is currently \$10.78/1,000 gallons. The Authority has met all applicable deadlines to date.

The Authority’s CIP will be based on a five year horizon to provide additional planning and coordination with external agencies and stakeholders. The 2024-2028 Capital Improvement Plan (the “2024-2028 CIP”) provides for enhancements to the Authority’s system to facilitate a continuous satisfactory level of conversion to surface water. It also focuses on the planning and development of the infrastructure needed to achieve the HGSD 2025 and 2035 conversion mandates.

## **SECTION II – THE 2024-2028 CAPITAL IMPROVEMENT PLAN**

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### **Overview**

The 2024-2028 CIP continues the systematic planning and development process and is based on the conversion schedule and prioritized based on cost effectiveness. The primary focus of the 2024-2028 CIP is to continue to complete the infrastructure required to enable the Authority to meet the HGSD's 2025 conversion requirement and initiate projects to meet the 2035 conversion requirement.

### **Considerations**

To prepare the CIP, it was necessary to determine the most cost-effective sequencing of capital projects to meet the requirements of the HGSD Regulatory Plan to reduce the use of groundwater within the boundary of the Authority. The sequencing analysis includes consideration of the amount of additional surface water delivered to districts and the capital costs to construct the waterlines to deliver the surface water. Project costs were considered in developing the schedule of improvements with the goal of delaying costs as long as possible while still achieving HGSD requirements.

### **Financial**

The Authority has applied for, and was granted, financing through the Texas Water Development Board ("TWDB") via the State Water Implementation Fund for Texas ("SWIFT") program. During SWIFT program years 2015-2023 the TWDB has committed \$2.805 billion of financial support to the Authority.

As seen in the following table, approximately \$5.2 million of Revenue Bonds will be used to implement the 2024-2028 CIP. Additionally, approximately \$715.7 million of SWIFT funds are committed to implement the 2024-2028 CIP. Approximately \$13.6 million of Participation funding will be provided by other entities via cost sharing agreements. The remaining approximately \$50.5 million of the near \$1 billion needed to implement the 2024-2028 CIP will be funded through other sources to be determined, i.e., bonds, capital contributions, etc.

**SUMMARY OF 2024-2028 CAPITAL IMPROVEMENT PLAN**

Category	Fiscal Year Planned Authorizations					Total
	(Thousands \$)					
	2024	2025	2026	2027	2028	
Acquisition	24,332	16,803	11,787	9,414	2,783	65,119
Design	41,187	2,934	9,545	11,302	2,934	67,902
Construction	217,473	252,241	340,869	0	50,359	860,941
Equipment	0	0	0	0	0	0
Other	7,452	6,200	6,300	6,200	6,200	32,352
<b>Total Authorizations</b>	<b>290,444</b>	<b>278,178</b>	<b>368,501</b>	<b>26,916</b>	<b>62,276</b>	<b>1,026,314</b>
<b>Source of Funds</b>						
Revenue Bonds	0	0	0	1,827	3,374	5,201
SWIFT Funds	64,451	257,335	348,571	17,782	27,626	715,764
Participation Funds	2,571	345	10,696	0	0	13,612
Remaining Funds	218,423	15,499	4,234	2,307	760	241,222
<b>Subtotal</b>	<b>285,444</b>	<b>273,178</b>	<b>363,501</b>	<b>21,916</b>	<b>31,760</b>	<b>975,799</b>
SWIFT Fund Candidate	0	0	0	0	25,515	25,515
Other	5,000	5,000	5,000	5,000	5,000	25,000
<b>Subtotal</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>30,515</b>	<b>50,515</b>
<b>Total Funds</b>	<b>290,444</b>	<b>278,178</b>	<b>368,501</b>	<b>26,916</b>	<b>62,276</b>	<b>1,026,314</b>

1 Authorizations do not typically represent actual expenditures.

**APPENDIX A**  
**GLOSSARY OF TERMS**

## **GLOSSARY OF TERMS**

Acquisition	Includes the cost to purchase land and easements and the acquisition services (i.e. ROW Services, appraisals, legal, etc.) required to accomplish the purchase
Authorization	Amount designated for or authorized for the performance of work, service, equipment or participation agreements - the values typically do not represent actual expenditure of funds
Design	Includes the cost for program management, project planning, design related services, design management and other engineering and planning activities
Construction	Includes the cost of the construction contract, contingencies, construction administration, construction observation and materials testing
Equipment	Includes the cost of any equipment that may be purchased separately from a construction contract
FWSD	Fresh Water Supply District
ID	Improvement District
MUD	Municipal Utility District
N/A	Not Applicable or Contingency C.I.P. Number
Other	A general category that may include other sources to be determined, i.e., bonds, capital contributions, etc.
PUD	Public Utility District
SWIFT	State Water Implementation Fund for Texas
TWDB	Texas Water Development Board
UD	Utility District
VAR	Various districts or key map locations as applicable
WCID	Water Control & Improvement District

**APPENDIX B**  
**PROJECT DETAIL FORMS**



<b>Project:</b> JIMMIE SCHINDEWOLF REGIONAL PUMP STATION (FORMERLY KNOWN AS SPEARS ROAD REGIONAL PUMP STATION)		<b>District:</b> VAR					<b>C.I.P. Number</b>	2
<b>Description:</b> Planned Authorizations include replacement of Variable Frequency Drive (VFD) on Booster Pump No. 2, roof and HVAC system. Replacement of the VFD and roof are schedule to be complete in Fiscal Year 2024. Replacement of the HVAC system is scheduled to be complete in Fiscal Year 2026.								
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)						
	1/1/03-12/31/23	2024	2025	2026	2027	2028	Future Authorizations	CIP Total
Acquisition	6,033							
Design	4,149							
Construction	47,678							
Equipment								
Other	650	352		100				452
<b>Total Authorizations</b>	<b>58,510</b>	<b>352</b>		<b>100</b>				<b>452</b>
<b>Source of Funds</b>								
Revenue Bonds	54,726							
SWIFT Funds								
Participation Funds								
Remaining Funds	3,784	352		100				452
<b>Subtotal</b>	<b>58,510</b>	<b>352</b>		<b>100</b>				<b>452</b>
SWIFT Fund Candidate								
Other								
<b>Subtotal</b>								
<b>Total Funds</b>	<b>58,510</b>	<b>352</b>		<b>100</b>				<b>452</b>

<b>Project:</b> LOUETTA REGIONAL WATER PLANT		<b>District:</b> VAR					<b>C.I.P. Number</b>	5
<b>Description:</b> Costs provide for the design and construction of improvements at Louetta Regional Water Plant that are necessary for the operation of Project 37 and Project 32. The improvements include additional booster pump capacity, additional ground storage tanks, electrical, chemical and yard piping. The improvements necessary for the operation of Project 37 are scheduled to be substantially complete in Fiscal Year 2027. The improvements necessary for Project 32 are scheduled to be substantially complete in Fiscal Year 2030.								
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)						
	1/1/03-12/31/23	2024	2025	2026	2027	2028	Future Authorizations	CIP Total
Acquisition	955							
Design	1,655	2,125			961			3,086
Construction	18,474		18,190				6,942	25,132
Equipment								
Other								
<b>Total Authorizations</b>	<b>21,084</b>	<b>2,125</b>	<b>18,190</b>		<b>961</b>		<b>6,942</b>	<b>28,218</b>
<b>Source of Funds</b>								
Revenue Bonds	21,084							
SWIFT Funds		907	18,190		961			20,058
Participation Funds								
Remaining Funds		1,218						1,218
<b>Subtotal</b>	<b>21,084</b>	<b>2,125</b>	<b>18,190</b>		<b>961</b>			<b>21,276</b>
SWIFT Fund Candidate							6,942	6,942
Other								
<b>Subtotal</b>							<b>6,942</b>	<b>6,942</b>
<b>Total Funds</b>	<b>21,084</b>	<b>2,125</b>	<b>18,190</b>		<b>961</b>		<b>6,942</b>	<b>28,218</b>

<b>Project:</b> Project 6B-4 (HC MUD 18)		<b>District:</b>						<b>C.I.P. Number</b>	6
		VAR							
<b>Description:</b> Costs provide for the real estate acquisition and construction to extend a portion of the North Harris County Regional Water Authority's system to connect to HCMUD 18. The projects consist of 2,700 LF of 12" water line respectively. Project 6B-4 is scheduled to be substantially complete in Fiscal Year 2025. *HC MUD 18 will pay for half the costs of the project.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Future Authorizations	CIP Total
	1/1/03-12/31/23	2024	2025	2026	2027	2028			
Acquisition	4,862	229						229	
Design	6,123	290						290	
Construction	49,496	2,994						2,994	
Equipment									
Other	53								
<b>Total Authorizations</b>	<b>60,534</b>	<b>3,513</b>						<b>3,513</b>	
<b>Source of Funds</b>									
Revenue Bonds	44,974								
SWIFT Funds	10,078								
Participation Funds*		1,757						1,757	
Remaining Funds	5,483	1,757						1,757	
<b>Subtotal</b>	<b>60,534</b>	<b>3,513</b>						<b>3,513</b>	
SWIFT Fund Candidate									
Other									
<b>Subtotal</b>									
<b>Total Funds</b>	<b>60,534</b>	<b>3,513</b>						<b>3,513</b>	

<b>Project:</b> HARDY ROAD TRANSMISSION SYSTEM		<b>District:</b>						<b>C.I.P. Number</b>	23
		VAR							
<b>Description:</b> Costs provide for the real estate acquisition, design and construction for the transmission line and the regional pump station. The project includes a meter station site, 34,900 LF of 16", 24" and 66" water line and a pump station site. Project 23 is scheduled to be substantially complete in Fiscal Year 2028. This project will be cost shared by the City of Houston. *To be funded by the City of Houston.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Future Authorizations	CIP Total
	1/1/03-12/31/23	2024	2025	2026	2027	2028			
Acquisition	8,997	5,396	3,597					8,993	
Design	6,236	13,106						13,106	
Construction				141,825				141,825	
Equipment									
Other									
<b>Total Authorizations</b>	<b>15,233</b>	<b>18,502</b>	<b>3,597</b>	<b>141,825</b>				<b>163,924</b>	
<b>Source of Funds</b>									
Revenue Bonds									
SWIFT Funds	14,236	6,590	3,252	131,129				140,971	
Participation Funds*	997	814	345	10,696				11,855	
Remaining Funds		11,098						11,098	
<b>Subtotal</b>	<b>15,233</b>	<b>18,502</b>	<b>3,597</b>	<b>141,825</b>				<b>163,924</b>	
SWIFT Fund Candidate									
Other									
<b>Subtotal</b>									
<b>Total Funds</b>	<b>15,233</b>	<b>18,502</b>	<b>3,597</b>	<b>141,825</b>				<b>163,924</b>	

<b>Project:</b> 2025 DISTRIBUTION SYSTEM (Project 28 Series)		<b>District:</b>						<b>C.I.P. Number</b>	28
		VAR							
<b>Description:</b> Provides funding for the construction of the remainder of Project 28 series. This project includes 8,755 LF of 16" water line and provides for the delivery of 1.29 MGD of surface water to Cypress Creek UD, HCMUD 230, Emerald Forest UD, Mills Road MUD, NWHCMUD 9 and Lake Forest UD. The Project 28 series is scheduled to be substantially complete in Fiscal Year 2025.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Future Authorizations	CIP Total
		1/1/03-12/31/23	2024	2025	2026	2027	2028		
Acquisition	6,091								
Design	12,855								
Construction	103,379	9,858						9,858	
Equipment									
Other	87								
<b>Total Authorizations</b>	<b>122,412</b>	<b>9,858</b>						<b>9,858</b>	
<b>Source of Funds</b>									
Revenue Bonds	15,290								
SWIFT Funds	85,607								
Participation Funds									
Remaining Funds	21,515	9,858						9,858	
<b>Subtotal</b>	<b>122,412</b>	<b>9,858</b>						<b>9,858</b>	
SWIFT Fund Candidate									
Other									
<b>Subtotal</b>									
<b>Total Funds</b>	<b>122,412</b>	<b>9,858</b>						<b>9,858</b>	

<b>Project:</b> 2025 DISTRIBUTION SYSTEM (Project 31 Series)		<b>District:</b>						<b>C.I.P. Number</b>	31
		VAR							
<b>Description:</b> Provides funding for the construction of the Project 31 series. This project includes 87,825 LF of 12", 16", 20", 24", 30", 36" and 48" water line and provides for the delivery of 4.46 MGD of surface water to Grant Road PUD, Heron Lakes, Reid Road MUD 1, Reid Road MUD 2, White Oak Bend MUD, WHCMUD 21, HCMUD 170, HCFWSD 61, Timberlake ID and HCMUD 69. The Project 31 series is scheduled to be substantially complete in Fiscal Year 2025.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Future Authorizations	CIP Total
		1/1/03-12/31/23	2024	2025	2026	2027	2028		
Acquisition	16,163	459						459	
Design	13,849								
Construction	123,455	128,941						128,941	
Equipment									
Other									
<b>Total Authorizations</b>	<b>153,467</b>	<b>129,399</b>						<b>129,399</b>	
<b>Source of Funds</b>									
Revenue Bonds									
SWIFT Funds	153,467	15,348						15,348	
Participation Funds									
Remaining Funds		114,051						114,051	
<b>Subtotal</b>	<b>153,467</b>	<b>129,399</b>						<b>129,399</b>	
SWIFT Fund Candidate									
Other									
<b>Subtotal</b>									
<b>Total Funds</b>	<b>153,467</b>	<b>129,399</b>						<b>129,399</b>	

<b>Project:</b> 2025 DISTRIBUTION SYSTEM (Project 32)				<b>District:</b>				<b>C.I.P. Number</b>	32
				VAR					
<b>Description:</b> Costs provide for the design and real estate acquisition of Project 32. This project includes approximately 67,230 LF of 24" and 54" water line and provides for the delivery of 2.02 MGD of surface water to the City of Tomball. Project 32 is scheduled to be substantially complete in Fiscal Year 2030.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)							CIP Total
	1/1/03-12/31/23	2024	2025	2026	2027	2028	Future Authorizations		
Acquisition					7,301	2,783		10,085	
Design					7,407			7,407	
Construction							57,607	57,607	
Equipment									
Other									
<b>Total Authorizations</b>					<b>14,708</b>	<b>2,783</b>	<b>57,607</b>	<b>75,099</b>	
<b>Source of Funds</b>									
Revenue Bonds									
SWIFT Funds					14,708	2,783		17,492	
Participation Funds									
Remaining Funds									
<b>Subtotal</b>					<b>14,708</b>	<b>2,783</b>		<b>17,492</b>	
SWIFT Fund Candidate							57,607	57,607	
Other									
<b>Subtotal</b>							<b>57,607</b>	<b>57,607</b>	
<b>Total Funds</b>					<b>14,708</b>	<b>2,783</b>	<b>57,607</b>	<b>75,099</b>	

<b>Project:</b> 2025 DISTRIBUTION SYSTEM (Project 35 Series)				<b>District:</b>				<b>C.I.P. Number</b>	35
				VAR					
<b>Description:</b> Provides funding for construction of the Project 35 series. This project includes 44,000 LF of 12", 16", 24" and 30" water line and provides for the delivery of 3.76 MGD of surface water to WHCMUD 11, WHCMUD 10, WHCMUD 9, HCMUD 168, NWHCMUD 29 and HCMUD 222. The Project 35 series is scheduled to be substantially complete in Fiscal Year 2025.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)							CIP Total
	1/1/03-12/31/23	2024	2025	2026	2027	2028	Future Authorizations		
Acquisition	16,082	2,301						2,301	
Design	7,627	80						80	
Construction	52,880	71,527						71,527	
Equipment									
Other									
<b>Total Authorizations</b>	<b>76,589</b>	<b>73,908</b>						<b>73,908</b>	
<b>Source of Funds</b>									
Revenue Bonds									
SWIFT Funds	76,589	10,468						10,468	
Participation Funds									
Remaining Funds		63,440						63,440	
<b>Subtotal</b>	<b>76,589</b>	<b>73,908</b>						<b>73,908</b>	
SWIFT Fund Candidate									
Other									
<b>Subtotal</b>									
<b>Total Funds</b>	<b>76,589</b>	<b>73,908</b>						<b>73,908</b>	

<b>Project:</b> 2025 DISTRIBUTION SYSTEM (Formulay Project 37 & 38 Series)		<b>District:</b>						<b>C.I.P. Number</b>	37
		VAR							
<b>Description:</b> Provides funding for the design, real estate acquisition and construction of the Project 37 series. This project includes 222,185 LF of 12", 16", 20", 24", 36" and 42" water line and provides for the delivery of 10.56 MGD of surface water to Enchanted Valley WSC, HCWCID 113, HCMUD 360, HCMUD 364, HCMUD 365, NWHCMUD 10, HCMUD 389, NWHCMUD 5, Aqua Texas Stable Gate, Aqua Texas Cypress Fields, Cypress Hills MUD 1, HCMUD 391, HCMUD 358, Aqua Texas Lakes of Rosehill, HCMUD 531 and Westside Water LLC. The Project 37 series is scheduled to be substantially complete in Fiscal Year 2027.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)							
	1/1/03-12/31/23	2024	2025	2026	2027	2028	Future Authorizations	CIP Total	
Acquisition	17,492	6,896	5,874					12,770	
Design	38,219	423						423	
Construction			234,051					234,051	
Equipment									
Other									
<b>Total Authorizations</b>	<b>55,710</b>	<b>7,318</b>	<b>239,925</b>					<b>247,243</b>	
<b>Source of Funds</b>									
Revenue Bonds									
SWIFT Funds	55,710		228,560					228,560	
Participation Funds									
Remaining Funds		7,318	11,365					18,683	
<b>Subtotal</b>	<b>55,710</b>	<b>7,318</b>	<b>239,925</b>					<b>247,243</b>	
SWIFT Fund Candidate									
Other									
<b>Subtotal</b>									
<b>Total Funds</b>	<b>55,710</b>	<b>7,318</b>	<b>239,925</b>					<b>247,243</b>	

<b>Project:</b> 2025 DISTRIBUTION SYSTEM (Project 39 Series)		<b>District:</b>						<b>C.I.P. Number</b>	39
		VAR							
<b>Description:</b> Provides funding for the design, real estate acquisition and construction of the Project 39 series. This project includes 151,205 LF of 12", 16", 20", 24", 30", 36" and 42" water line and provides for the delivery of 6.13 MGD of surface water to Bridgestone MUD, Meadowhill Regional MUD, Shasla PUD, CNP UD, HCID 18, HCWCID 110, HCWCID 99, North Park PUD, Inverness Forest ID, Memorial Hills UD, Timber Lane UD, HCWCID 92, HCWCID 136, Post Wood MUD and HCMUD 43. The Project 39 series is scheduled to be substantially complete in Fiscal Year 2028.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)							
	1/1/03-12/31/23	2024	2025	2026	2027	2028	Future Authorizations	CIP Total	
Acquisition		9,052	7,332	6,246				22,630	
Design		22,086						22,086	
Construction				199,044				199,044	
Equipment									
Other									
<b>Total Authorizations</b>		<b>31,138</b>	<b>7,332</b>	<b>205,290</b>				<b>243,759</b>	
<b>Source of Funds</b>									
Revenue Bonds									
SWIFT Funds		31,138	7,332	205,290				243,759	
Participation Funds									
Remaining Funds									
<b>Subtotal</b>		<b>31,138</b>	<b>7,332</b>	<b>205,290</b>				<b>243,759</b>	
SWIFT Fund Candidate									
Other									
<b>Subtotal</b>									
<b>Total Funds</b>		<b>31,138</b>	<b>7,332</b>	<b>205,290</b>				<b>243,759</b>	

<b>Project:</b> 2025 DISTRIBUTION SYSTEM (Project 40 Series)		<b>District:</b>					<b>C.I.P. Number</b>	40	
		VAR							
<b>Description:</b> Provides funding for the design, real estate acquisition and construction of the Project 40 series. This project includes 51,025 LF of 12", 16", 20" and 24" water line and provides for the delivery of 3.03 MGD surface water to HCMUD 82, Hunters Glen MUD, Tattor Road MUD and HCMUD 26. The Project 40 series is scheduled to be substantially complete in Fiscal Year 2029.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Future Authorizations	CIP Total
	1/1/03-12/31/23	2024	2025	2026	2027	2028			
Acquisition				5,541	2,112			7,654	
Design				6,611				6,611	
Construction						50,359		50,359	
Equipment									
Other									
<b>Total Authorizations</b>				<b>12,152</b>	<b>2,112</b>	<b>50,359</b>		<b>64,623</b>	
<b>Source of Funds</b>									
Revenue Bonds									
SWIFT Funds				12,152	2,112	24,843		39,108	
Remaining Funds									
Participation Funds									
<b>Subtotal</b>				<b>12,152</b>	<b>2,112</b>	<b>24,843</b>		<b>39,108</b>	
SWIFT Fund Candidate						25,515		25,515	
Other									
<b>Subtotal</b>						<b>25,515</b>		<b>25,515</b>	
<b>Total Funds</b>				<b>12,152</b>	<b>2,112</b>	<b>50,359</b>		<b>64,623</b>	

<b>Project:</b> SYSTEM IMPROVEMENTS		<b>District:</b>					<b>C.I.P. Number</b>	100	
		VAR							
<b>Description:</b> Costs provide funding for required improvements and rehabilitation to the distribution system and/or transmission system.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Future Authorizations	CIP Total
	1/1/03-12/31/23	2024	2025	2026	2027	2028			
Acquisition									
Design	810								
Construction	8,694								
Equipment									
Other	2,325	2,100	1,100	1,100	1,100	1,100		6,500	
<b>Total Authorizations</b>	<b>11,829</b>	<b>2,100</b>	<b>1,100</b>	<b>1,100</b>	<b>1,100</b>	<b>1,100</b>		<b>6,500</b>	
<b>Source of Funds</b>									
Revenue Bonds	11,829					500		500	
SWIFT Funds									
Participation Funds									
Remaining Funds		2,100	1,100	1,100	1,100	600		6,000	
<b>Subtotal</b>	<b>11,829</b>	<b>2,100</b>	<b>1,100</b>	<b>1,100</b>	<b>1,100</b>	<b>1,100</b>		<b>6,500</b>	
SWIFT Fund Candidate									
Other									
<b>Subtotal</b>									
<b>Total Funds</b>	<b>11,829</b>	<b>2,100</b>	<b>1,100</b>	<b>1,100</b>	<b>1,100</b>	<b>1,100</b>		<b>6,500</b>	

<b>Project:</b> CENTRAL CONTROL SYSTEM				<b>District:</b> VAR				<b>C.I.P. Number</b>	101
<b>Description:</b> Costs provide the design and construction of the Supervisory Control and Data Acquisition (SCADA) System, implementation of an Advanced Metering Infrastructure (AMI) System and implementation of the Total Water Visibility study.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Future Authorizations	CIP Total
	1/1/03-12/31/23	2024	2025	2026	2027	2028			
Acquisition									
Design	2,563	144							144
Construction	5,167	4,153							4,153
Equipment									
Other			100	100	100	100			400
	<b>Total Authorizations</b>	<b>7,730</b>	<b>4,297</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>		<b>4,697</b>
<b>Source of Funds</b>									
Revenue Bonds	7,542								
SWIFT Funds									
Participation Funds									
Remaining Funds	188	4,297	100	100	100	100			4,697
	<b>Subtotal</b>	<b>7,730</b>	<b>4,297</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>		<b>4,697</b>
SWIFT Fund Candidate									
Other									
	<b>Subtotal</b>								
	<b>Total Funds</b>	<b>7,730</b>	<b>4,297</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>		<b>4,697</b>

<b>Project:</b> TECHNICAL SUPPORT				<b>District:</b> VAR				<b>C.I.P. Number</b>	200
<b>Description:</b> Provides various support and specialty professional services such as program management, corrosion protections analysis, surge analysis, GIS and Technical Advisor services.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Future Authorizations	CIP Total
	1/1/03-12/31/23	2024	2025	2026	2027	2028			
Acquisition	891								
Design	42,368	2,934	2,934	2,934	2,934	2,934			14,670
Construction									
Equipment									
Other	1,107								
	<b>Total Authorizations</b>	<b>44,366</b>	<b>2,934</b>	<b>2,934</b>	<b>2,934</b>	<b>2,934</b>	<b>2,934</b>		<b>14,670</b>
<b>Source of Funds</b>									
Revenue Bonds	44,186				1,829	2,874			4,703
SWIFT Funds	180								
Participation Funds									
Remaining Funds		2,934	2,934	2,934	1,105	60			9,967
	<b>Subtotal</b>	<b>44,366</b>	<b>2,934</b>	<b>2,934</b>	<b>2,934</b>	<b>2,934</b>	<b>2,934</b>		<b>14,670</b>
SWIFT Fund Candidate									
Other									
	<b>Subtotal</b>								
	<b>Total Funds</b>	<b>44,366</b>	<b>2,934</b>	<b>2,934</b>	<b>2,934</b>	<b>2,934</b>	<b>2,934</b>		<b>14,670</b>

<b>Project:</b> CONTINGENCY				<b>District:</b>				<b>C.I.P. Number</b>	N/A
				VAR					
<b>Description:</b> Provides funding for costs in excess of original program estimates and unexpected necessary expenses such as those to facilitate escalation of program components, to facilitate system operations and to enable payment of exceptional real estate judgements.									
Category	Previous Authorizations (Thousands)	Fiscal Year Planned Authorizations (Thousands)							
	1/1/03-12/31/23	2024	2025	2026	2027	2028	Future Authorizations	CIP Total	
Acquisition									
Design									
Construction									
Equipment									
Other		5,000	5,000	5,000	5,000	5,000	5,000	5,000	30,000
<b>Total Authorizations</b>		<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>30,000</b>
<b>Source of Funds</b>									
Revenue Bonds									
SWIFT Funds									
Participation Funds									
Remaining Funds									
<b>Subtotal</b>									
SWIFT Fund Candidate									
Other		5,000	5,000	5,000	5,000	5,000	5,000	5,000	30,000
<b>Subtotal</b>		<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>30,000</b>
<b>Total Funds</b>		<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>30,000</b>