



# 2025 Five-Year Capital Improvement Plan

ADOPTED / December 2024

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## Abbreviations

COH	City of Houston
CIP	Capital Improvement Plan
FWSD	Fresh Water Supply District
GRP	Groundwater Reduction Plan
HGSD	Harris Galveston Subsidence District
ID	Improvement District
LBITP	Luce Bayou Interbasin Transfer Project
MG	million gallons
mgd	million gallons per day
MUD	Municipal Utility District
NETL	Northeast Transmission Line
NEWPP	Northeast Water Purification Plant
NHCRWA	North Harris County Regional Water Authority
O&M	Operations & Maintenance
PUD	Public Utility District
SCADA	supervisory control and data acquisition
SWIFT	State Water Implementation Fund for Texas
TWDB	Texas Water Development Board
UD	Utility District
WCID	Water Control Improvement District
WRF	water receiving facility
WTP	water treatment plant

## INTRODUCTION

In 1999, the Harris-Galveston Subsidence District (HGSD) extended their surface water conversion mandates northward and issued a regulatory plan that included a phased mandate for the northwestern portions of Harris County to convert from the use of groundwater to alternate sources, namely surface water.

During the same year, the 76<sup>th</sup> Texas Legislature passed House Bill 2965, creating the North Harris County Regional Water Authority (Authority). At the time, the area encompassed approximately 160 utility districts with 320 regulated groundwater wells, 2 cities, and a quarter-million residents. Since then, the number of political subdivisions, including cities, municipal utility districts (MUD), public utility districts (PUD), water control and improvement districts (WCID), and regulated independent well owners, within the Authority's boundary exceeds 250 and a population of over 750,000.

Most of these districts are small and not interconnected, making it virtually impossible for them to accomplish the mandated conversion to surface water on their own. As such, the Authority was needed to become the single entity with the ability to negotiate and provide for a secure, long-term, reliable supply of drinking water for all the districts, small municipalities, and other permitted well owners within its boundaries. In the year 2000, as required by the enabling legislation, a special election was held, and the Authority's creation was overwhelmingly approved by the voters.

Since that time, the Authority has been striving to achieve its primary mission of securing a long-term reliable supply of wholesale drinking water to meet HGSD requirements, while keeping the cost of water as low as possible for as long as possible.

### The HGSD Mandate

HGSD established the mandate that users within the Authority's boundary must progressively decrease groundwater pumpage over time. The current conversion requirements are shown in Figure 1.

By 2010

- No more than 70% of total demand is met by groundwater.

By 2025

- No more than 40% of total demand is met by groundwater.

By 2035

- No more than 20% of total demand is met by groundwater.

Figure 1 Phased HGSD Regulatory Mandate for NHCRWA

The HGSD mandate specifies that if a user does not meet the conversion requirement by a given permit year, they would be subject to potential disincentive fees levied by HGSD. The current disincentive fee is \$11.86/1,000 gallons.

HGSD requires the Authority to develop and maintain a Groundwater Reduction Plan (GRP) demonstrating how the step-wise conversion from groundwater to surface water would occur within the Authority's service area.

## Meeting the HGSD Mandate

The Authority has completed numerous activities to satisfy the HGSD's initial mandate, including:

- Developing its first GRP in 2003 to meet the initial phase of the mandate.
- Completing certification of the GRP with HGSD in 2003.
- Establishing a multi-year Capital Improvement Plan (CIP) to map out project budget and funding needs to meet the HGSD mandate.
- Successfully negotiating a long-term water supply contract with the City of Houston that will satisfy the Authority's requirement for an alternative source of water through at least 2040.
- Designing and constructing the transmission and distribution infrastructure to deliver surface water to meet the 2010 conversion requirement.
- Achieving the 30% groundwater reduction target mandated by HGSD by 2010.
- Entering into agreements with more than 140 MUDs to participate in the Authority's GRP.



The Authority has a Groundwater Reduction Plan in place to meet HGSD's regulatory mandate.

In 2014, the Authority updated its GRP to demonstrate how the 2025 and 2035 conversion mandates would be achieved. The Authority's 2014 GRP outlines a deliberate strategy for keeping the water rates as low as possible for as long as possible. This strategy requires the Authority to expedite construction of a portion of the 2025 system in advance of the regulatory deadline, supply surface water in excess of the mandate for a period of time to build up or "bank" over-conversion credits as allowed by HGSD, and then delay the construction of the remaining 2025 system projects until after the 2025 conversion deadline, while using accumulated credits to offset potential disincentive fees.

Ultimately, if projects are completed on schedule and the water demand trends stay on target, the Authority will be able to defer select 2025 system projects until 2028/2029, saving the ratepayers significant capital expenditures. With this "credit banking" strategy, it is very important to annually assess where the CIP projects stand, how growth and/or weather have impacted water usage, and ultimately if there are enough credits in the "bank" to cover any annual shortfalls.

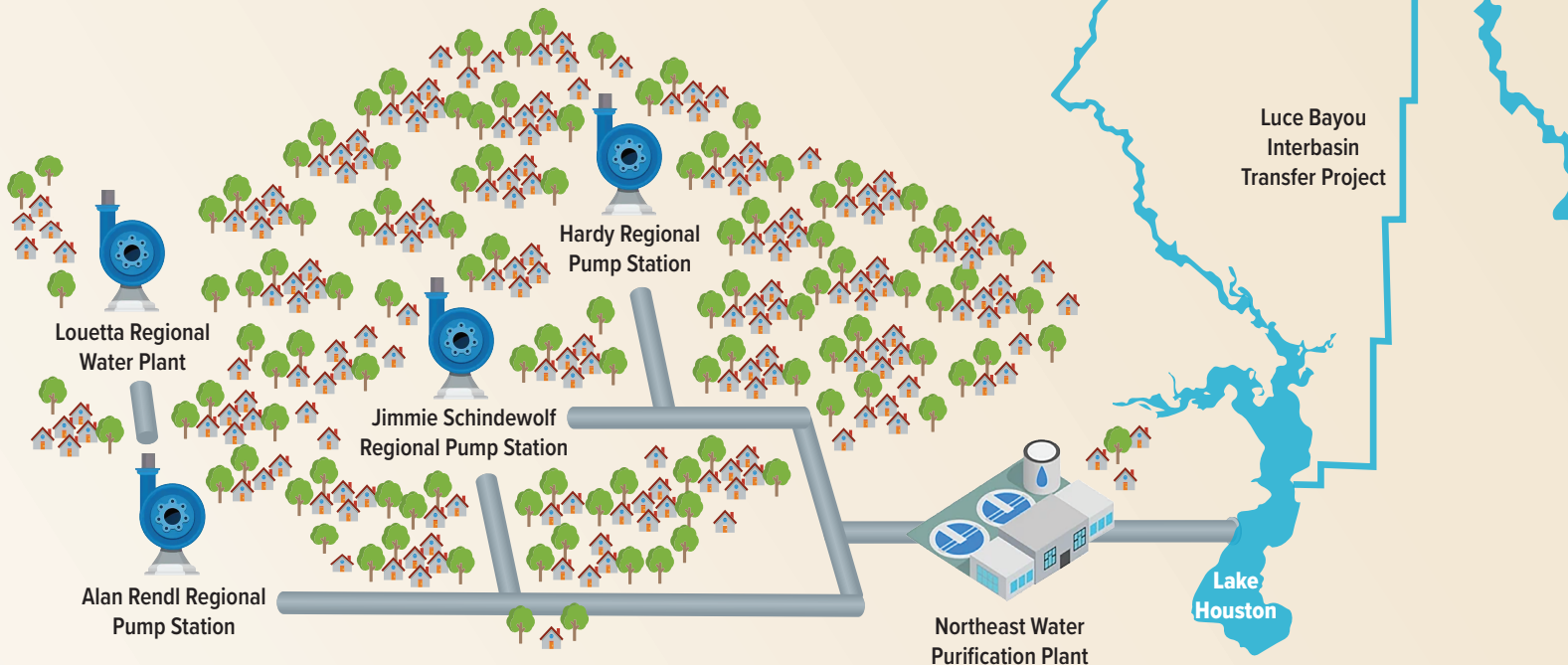
The Authority has achieved significant progress implementing its GRP over the last two decades—as seen on the next page—but has many more projects to complete, in order to meet both the 2025 conversion requirements and the future 2035 requirements.

## The Authority has been implementing the annual CIP to meet HGSD's regulatory mandates.

Over the last two decades, the Authority has:

- ▶ Designed and constructed over 75 miles of new waterlines to comply with 2010 conversion mandate.
- ▶ Constructed the Louetta Regional Water Plant.
- ▶ Constructed the Jimmie Schindewolf Regional Pump Station.
- ▶ Partnered with the City of Houston and other regional water authorities to acquire, treat, and deliver an additional 113 MGD of treated surface water (NHCRWA's share) via the Luce Bayou Interbasin Transfer Project, the Northeast Water Purification Plant Expansion Project, and the Northeast Transmission Line Project.
- ▶ Constructed and/or plan to construct 155 miles of additional waterlines for the 2025 mandate.
- ▶ Constructed the Alan Rendl Regional Pump Station.

Over 60 MUDs are currently connected to the Authority's surface water system.



## DEVELOPMENT OF THE FIVE-YEAR CIP



Over 99% of the currently proposed CIP is necessary to meet HGSD's 2025 conversion mandate.

Each year, the Authority develops a five-year CIP to identify projects necessary to meet the HGSD mandates, rehabilitation needs for the existing system, and potential improvement projects that the Board may wish to consider. Project budgets are listed with funding sources. For the proposed 2025 five-year CIP, nearly all of the projects are needed for the Authority to accomplish the 2025 conversion mandate. The remaining funding is requested for rehabilitation of the existing system (Projects 2 and 100).

During the development of the 2025 five-year CIP, the following were reviewed:

- Water demand trends over the last 10+ years for those receiving surface water, those expected to receive surface water, and areas currently served by groundwater that will not be converted as part of the 2025 system.
- Forecast population growth for the region over the next 5 years and how that may impact water demands.
- Anticipated completion dates of all active and planned CIP projects, including dates when each new water receiving facility is anticipated to be connected to surface water.
- Estimated annual percent conversion (amount of surface water delivered versus the total water demand), based upon project completion dates, water demand trends, and forecast population growth.
- Predicted credit balance in the "credit bank" based upon annual over or under conversion.
- The impact of timing of projects on the "credit bank" balance.

The 2025 five-year CIP has no newly proposed projects from the previous CIP. The previously planned projects should be adequate to meet the 2025 conversion requirements. The timing of the proposed projects has been adjusted to minimize the risk of running out of credits and having to pay disincentive fees to HGSD.

Based upon the proposed CIP and the "credit bank" analysis, the Authority anticipates adherence to the HGSD 2025 conversion mandate, through a combination of planned project completion and the use of accumulated credits. However, it should be noted that the Authority must diligently monitor water use trends over the next several years and proactively drive progress on all active CIP projects, in order to achieve the necessary conversion without incurring any penalties.

### **Budget and Funding Considerations for the 2025 Five-Year CIP**

The Authority has three major funding sources for the CIP: Texas Water Development Board (TWDB) State Water Implementation Fund for Texas (SWIFT) funds, participant funds where another party has agreed to co-fund projects, and other capital funds. Other capital funds may include remaining proceeds from previously issued revenue bonds, interest earned from current bond funds in escrow, unrestricted improvement funds, or other "cash" revenue.

While the proposed 2025 five-year CIP has the identical projects to the previously developed CIP, the detailed project sheets look significantly different than those previously developed. Specifically, the Authority used the current 2025 CIP cycle to review, reconcile, and re-baseline all projected project costs for the 2025 system, along with the funding sources to be used. This effort included the following:

- All project costs for the 2025 system to date were reconciled, including all project funding received from TWDB and the Authority's participant share owed for previously issued SWIFT bonds.
- Anticipated project costs for the remainder of 2024 were estimated.
- A 2025 "starting balance" for the remaining TWDB SWIFT funds was established to better determine future funding needs.
- Any older projects with remaining requests for TWDB funding releases were added back into the CIP to ensure proper accounting of the future funds needed from the SWIFT fund balance. This includes the remaining funds to be requested for the NEWPP Expansion Project.
- All previously issued revenue bonds were reconciled to establish their projected "starting balance" for 2025.
- New cost estimates were prepared for all future projects and expenditures.
- A program-level contingency was included via Project "Contingency."

This detailed budget and funding analysis allows the Authority to have confidence in the numbers proposed in the current 2025 CIP and moving forward with any necessary debt to fund the future CIP.



## THE PROPOSED 2025 FIVE-YEAR CIP

Table 1 presents the proposed five-year CIP by funding source. Table 2 presents the budget and funding needs for the current 2025 budget year only. Detailed project sheets are included in Section 2. Highlights are below:

- All proposed projects are either for the 2025 system or rehabilitation of the existing system. None of the proposed CIP includes projects for the 2035 system.
- The Authority anticipates having \$223M of unspent SWIFT funds that will be carried over from the 2024 CIP. This represents delayed projects from previous years' approved CIP budget as well as funds remaining on closed projects that were completed under budget.
- The proposed budget for the calendar year 2025 CIP is a total of \$408M, of which \$396M will be funded by already-committed TWDB SWIFT funds, nearly \$2M will come from co-participants, and just over \$10M will be funded by other capital funds.
- As of January 2025, the Authority will have \$806M in remaining committed funds left on the 2023 TWDB SWIFT loan. This is in addition to the \$223M of unspent SWIFT funds from previous closings already in hand. This total combined amount should be more than adequate to complete the anticipated projects in 2025 through 2027. Additional SWIFT funds will be needed in 2028, which is consistent with what was indicated in the previous CIP. It is recommended that the Authority consider submitting another application to TWDB for additional SWIFT funding in 2026.
- The last TWDB SWIFT multi-year closing schedule projected the use of \$326M of committed SWIFT funds in 2025. Based upon the current CIP, this may be reduced to \$204M subject to a cashflow analysis of the approved 2025 CIP budget. After fiscal services (closing) costs, the \$204M gross closing amount would net ~\$173M of committed SWIFT funds available to fund the calendar year 2025 CIP.

Table 1 Proposed 2025 Five-Year CIP Summary

Category	Fiscal Year Planned Budget (Present Value, Thousands) <sup>(1)</sup>					Five-Year Total Budget (Thousands)
	2025	2026	2027	2028	2029	
<b>Planned Authorizations</b>						
Acquisition <sup>(2)</sup>	\$25,848	\$21,666	\$5,940	-	-	\$53,454
Design <sup>(3)</sup>	\$41,394	\$16,151	\$3,500	\$3,500	\$3,500	\$68,045
Construction <sup>(4)</sup>	\$302,928	\$204,684	\$243,345	\$108,803	\$6,447	\$866,208
Equipment <sup>(5)</sup>	-	-	-	-	-	-
Other <sup>(6)</sup>	\$38,115	\$5,500	\$5,500	\$5,500	\$5,500	\$60,115
<b>Total Authorizations</b>	<b>\$408,285</b>	<b>\$248,001</b>	<b>\$258,285</b>	<b>\$117,803</b>	<b>\$15,447</b>	<b>\$1,047,822</b>
<b>Planned Funding</b>						
SWIFT Funds <sup>(7)</sup>	\$396,037	\$230,890	\$246,992	\$106,803	\$4,447	\$985,169
Participant Funds <sup>(8)</sup>	\$1,720	\$6,112	\$293	-	-	\$8,125
Capital Funds <sup>(9)</sup>	\$10,528	\$11,000	\$11,000	\$11,000	\$11,000	\$54,528
<b>Total Funding</b>	<b>\$408,285</b>	<b>\$248,001</b>	<b>\$258,285</b>	<b>\$117,803</b>	<b>\$15,447</b>	<b>\$1,047,822</b>

Notes:

- (1) All costs shown in Present Value (2024\$) with no escalation.
- (2) Costs for acquisition include legal and property acquisition support in addition to the costs for easement acquisition.
- (3) Costs for design represent all future projected authorizations in Present Value (2024\$). Detailed project sheets in Section 2 include "Previous Authorizations" which may have final invoicing in 2025. Budget/spend for previous authorizations was previously approved.
- (4) Costs for construction are split in accordance with TWDB SWIFT funding releases—95% at the start of construction with the notice to proceed and the final 5% when retainage is released at final acceptance.
- (5) There are no proposed costs to directly procure equipment. All equipment costs are included within construction budgets.
- (6) Other expenditures include an annual contingency budget as well as the remaining amount in escrow (\$32.5M) for NEWPP Expansion Project SWIFT funds. No additional budget is currently requested for spending above the current funding amount for the NEWPP Expansion Project, as defined by the Second Supplement Agreement with the City of Houston.
- (7) SWIFT funds are proposed for all SWIFT-eligible projects. If the Board desires to cash-fund any future projects, the final approved CIP will move those project budgets from SWIFT Funds to Capital Funds.
- (8) Participant funds are based on the City of Houston's agreed-upon participation in Project 23.
- (9) Capital funds are proposed for any non-SWIFT eligible projects which could include rehabilitation of existing infrastructure, the cash contingency fund for the program, and other program costs such as HGSD regulatory coordination.

Table 2 Funding Needs for the 2025 CIP (calendar year 2025 only)

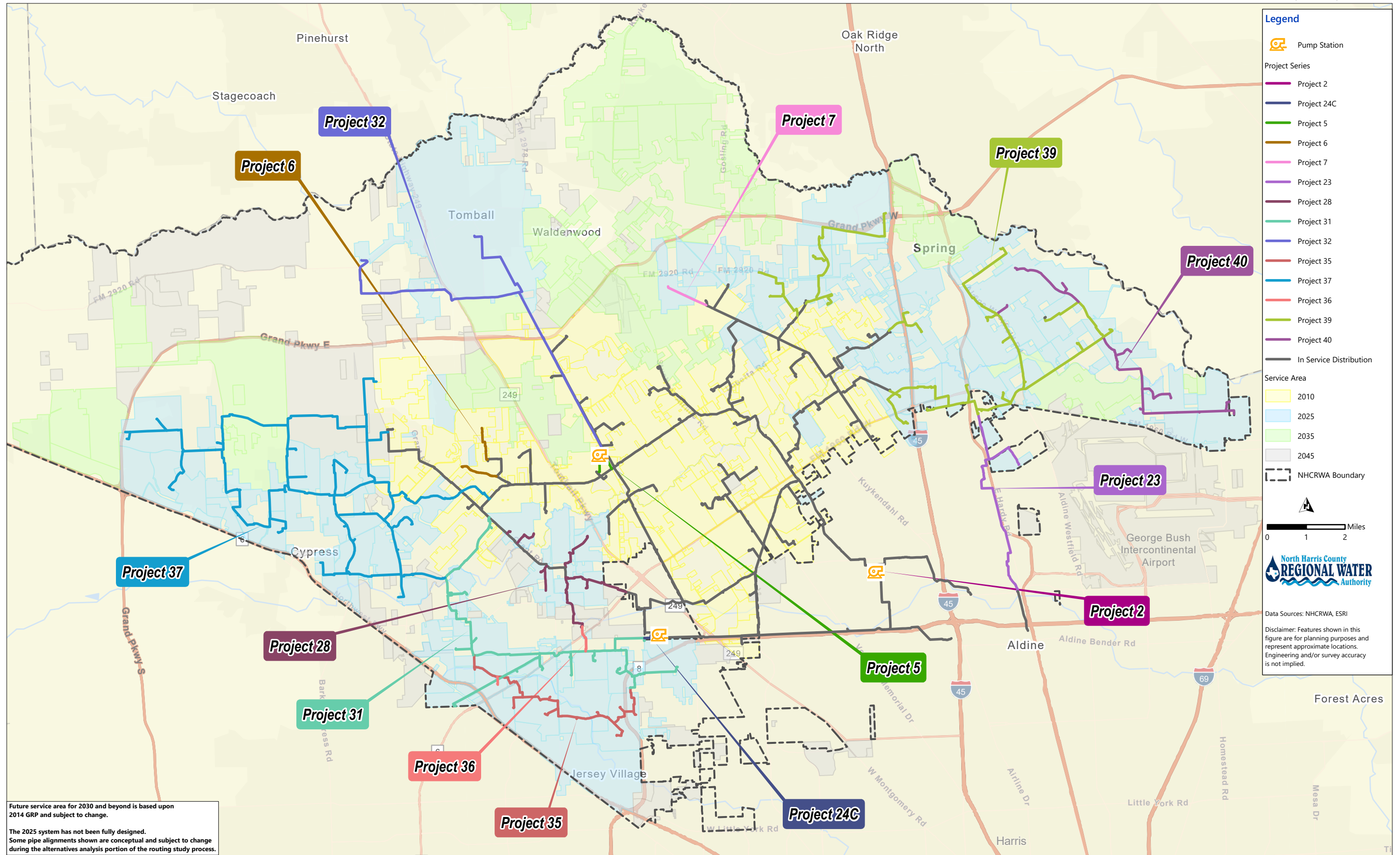
Category	Budgeted Authorizations <sup>(1)</sup>	Funds Available for 2025 CIP	Remaining Funds Required
SWIFT Funds	\$396,037	\$223,465 <sup>(2)</sup>	\$172,572 <sup>(5)</sup>
Participant Funds	\$1,720	\$1,720 <sup>(3)</sup>	\$0
Capital Funds	\$10,528	\$10,528 <sup>(4)</sup>	\$0
<b>Total</b>	<b>\$408,285</b>	<b>\$235,713</b>	<b>\$172,572</b>

Notes: All costs shown in Thousands.

- (1) Budgeted authorizations are consistent with the planned authorizations for calendar year 2025 from Table 1.
- (2) The Authority has reconciled previously obtained SWIFT funds and determined that just over \$223M will be remaining unencumbered at the beginning of 2025. This includes the projected proceeds from the November 2024 closing amount.
- (3) Participant funds have been estimated based off the terms and conditions of the Interlocal Agreement with the City of Houston for Project 23.
- (4) Additional capital funds are available above the budgeted authorization amount of just over \$10M but not represented within this table for clarity purposes.
- (5) The currently committed TWDB SWIFT loan closing schedule for 2025 is \$326M. Based upon the projected need of \$173M and anticipated fiscal services (closing) costs, the 2025 loan closing amount may be reduced to \$204M. A cashflow analysis for the approved 2025 CIP should be performed to confirm the final recommended closing amount prior to submittal of the updated multi-year closing schedule for the 2023 TWDB SWIFT loan in February 2025.

SECTION 2


# PROJECT MAP AND DESCRIPTIONS




Future service area for 2030 and beyond is based upon 2014 GRP and subject to change.

The 2025 system has not been fully designed. Some pipe alignments shown are conceptual and subject to change during the alternatives analysis portion of the routing study process.

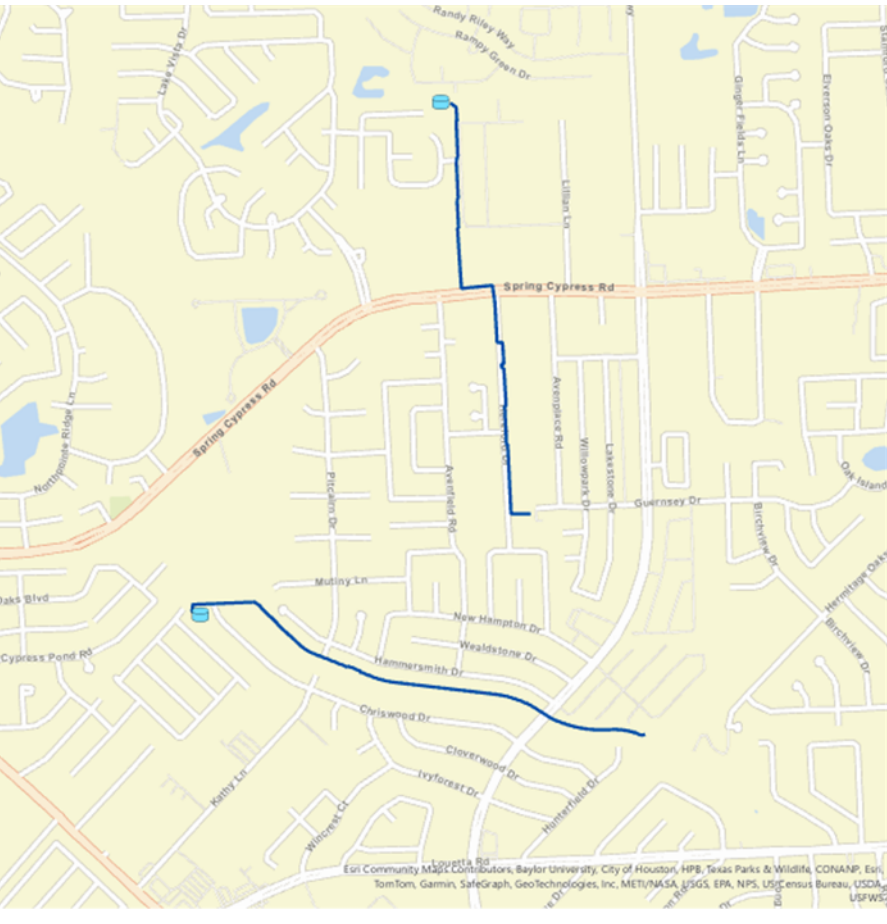
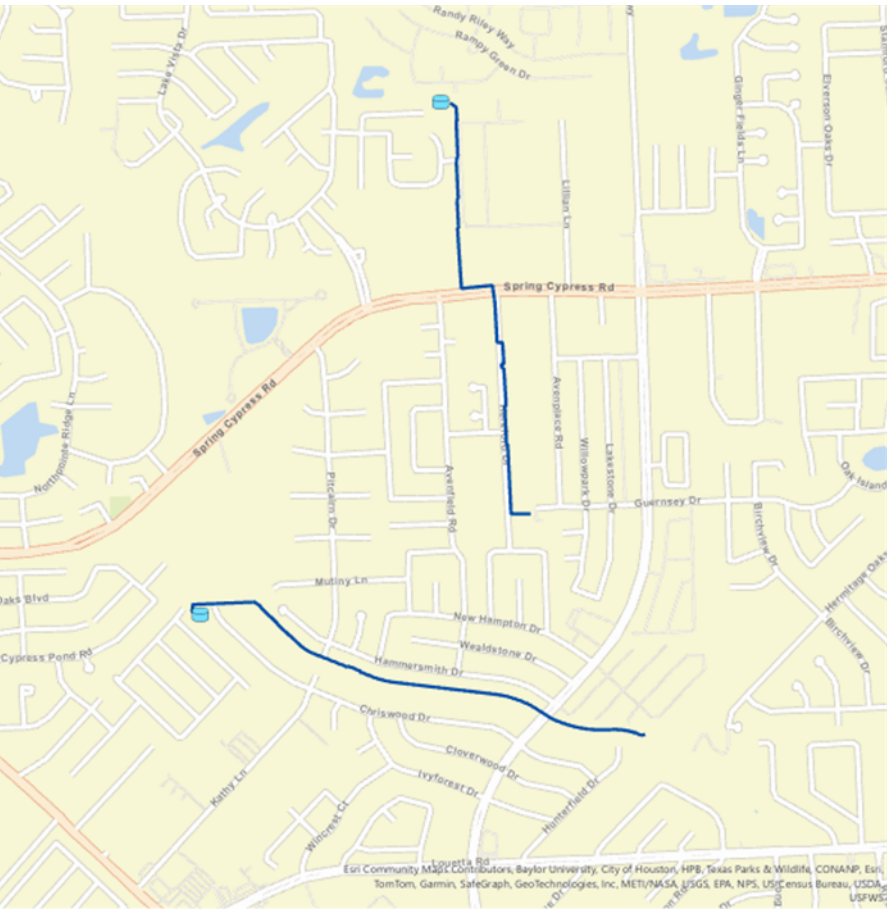
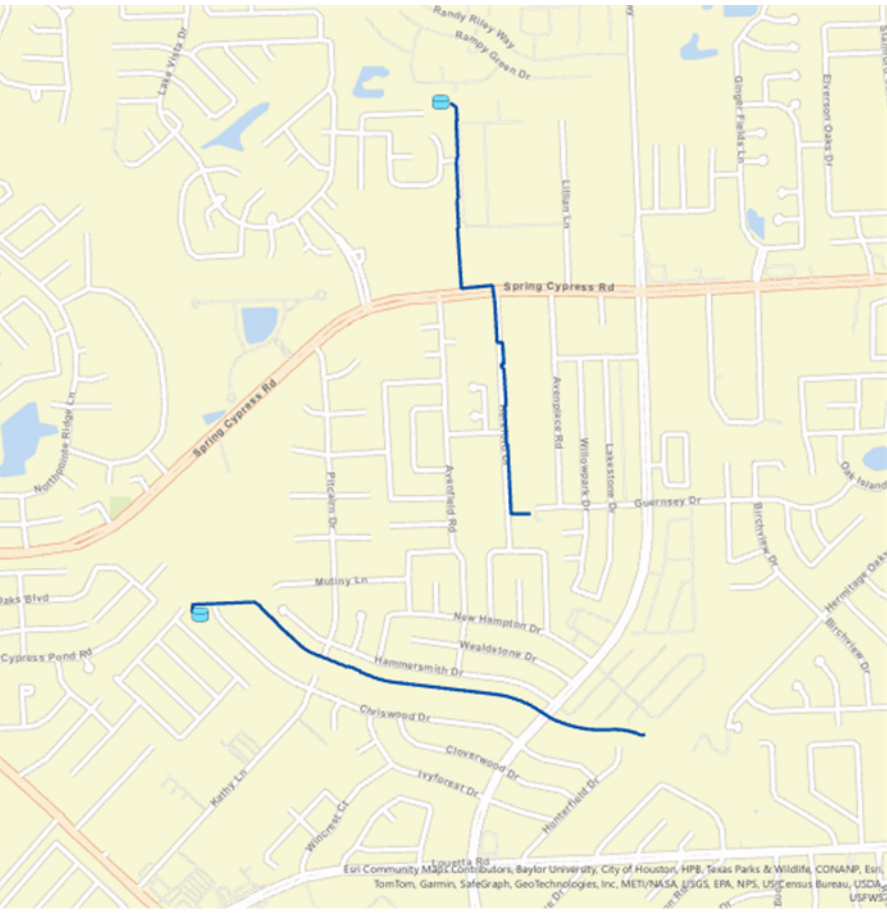
Figure 2 2025 Five-Year Capital Improvement Plan Project Map  
 NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY

Project Name		System		CIP No.	Version			
Schindewolf Pump Station Improvements		2010 Distribution System Improvement		2	Final			
Project Justification		Project Map						
Rehabilitation of the aging infrastructure at Jimmie Schindewolf Regional Pump Station (formerly known as Spears Road Pump Station).								
Project Description								
Authorizations could include replacement of the VFD on Booster Pump No. 2, the roof, and/or the HVAC system. Funds shown as construction only, but pending the rehabilitation need may require moving funds from construction to other types (i.e. equipment or design).								
WRFs Connected								
Name	Demand last permit year (mgd)							
N/A - rehab only	0.00							
Schedule								
Phase	Start Year							
Planning	2025							
Design	2025							
Construction	2025							
In Service	2026							
Closeout	2026							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 1,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ -	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 1,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,000</b>

Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.

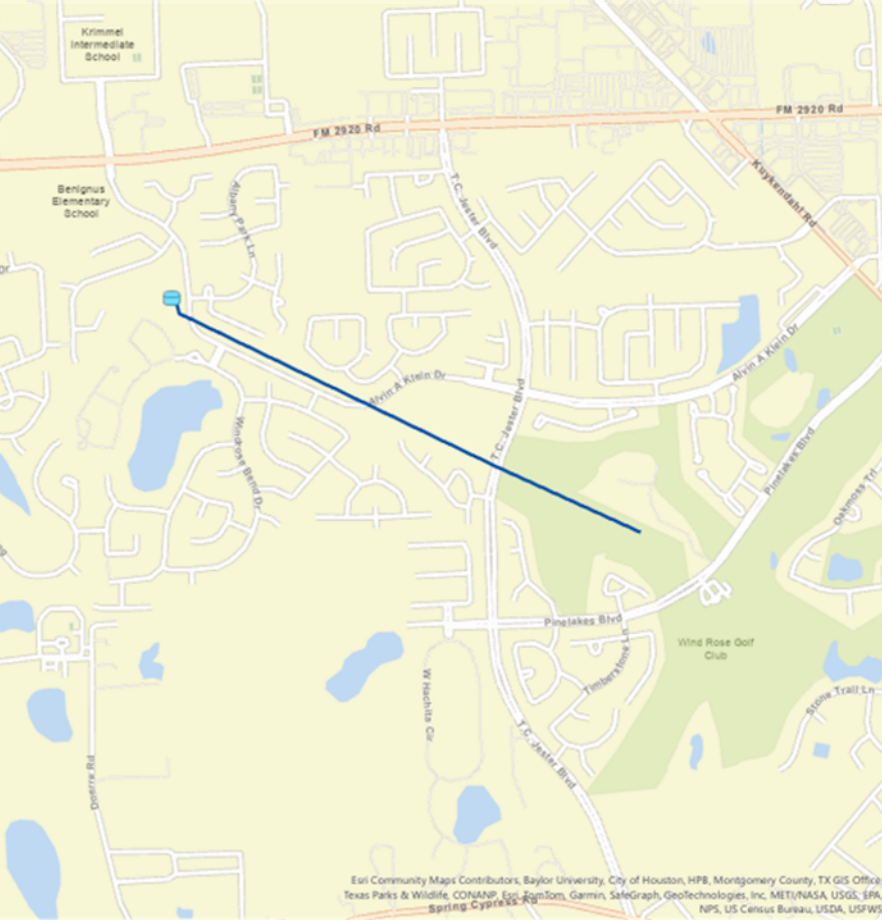
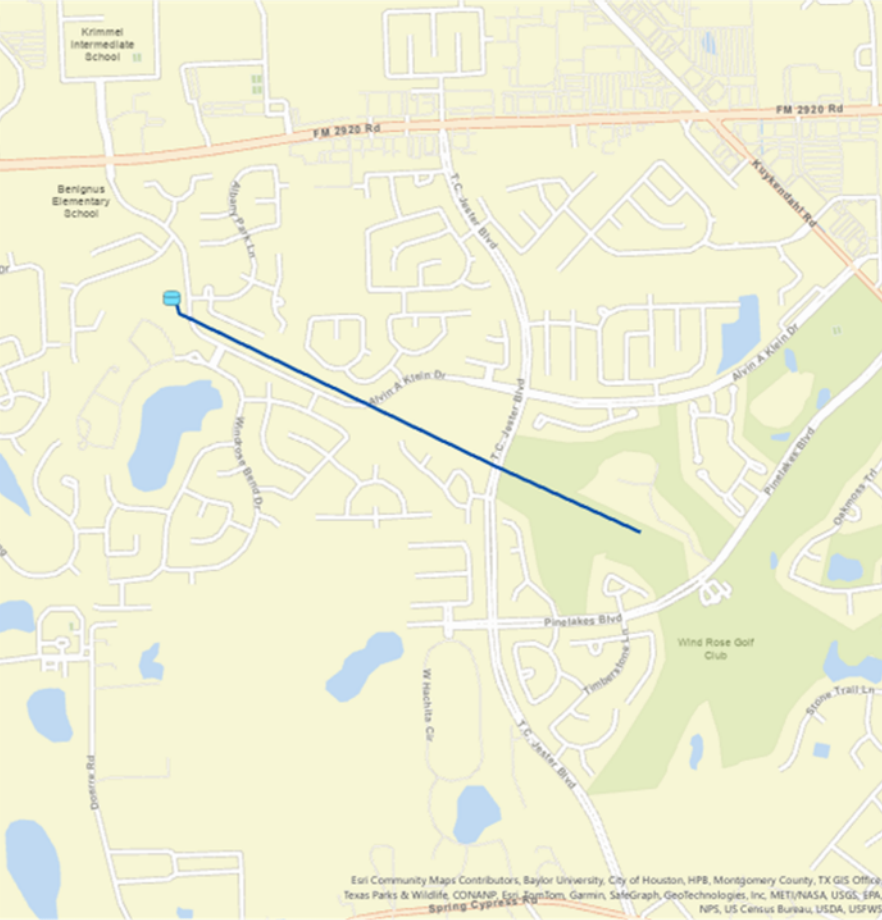
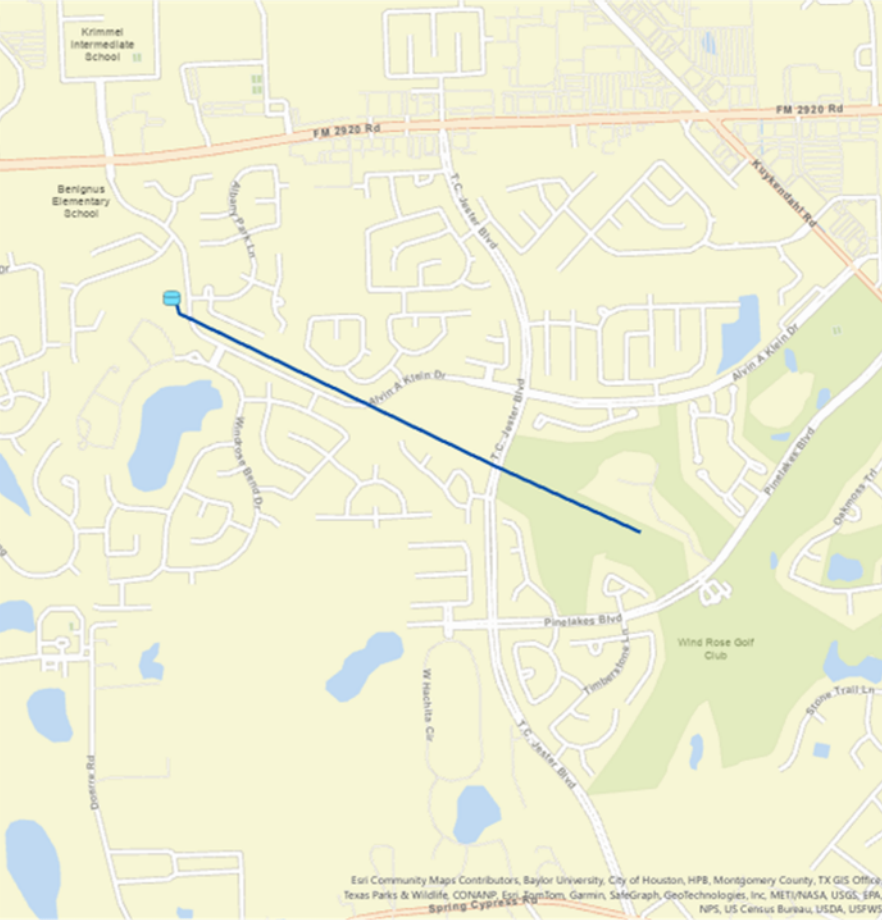
Project Name		System					CIP No.	Version
Louetta Pump Station Improvements		2025 Distribution System					5	Final
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.								
Project Description								
Improvements are needed at Louetta Pump Station to deliver adequate supply and pressure to the water receiving facilities being added via Project 37 and for future conversion of Tomball via Project 32.								
WRFs Connected								
Name	Demand last permit year (mgd)							
N/A - Pumps Only	0.00							
Schedule								
Phase	Start Year							
Planning	2024							
Design	2025							
Construction	2026							
In Service	2027							
Closeout	2027							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ 4,425	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,425
Construction	\$ -	\$ -	\$ 41,800	\$ 2,000	\$ -	\$ -	\$ -	\$ 43,800
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 4,425</b>	<b>\$ 41,800</b>	<b>\$ 2,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 48,225</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ -	\$ 4,425	\$ 41,800	\$ 2,000	\$ -	\$ -	\$ -	\$ 48,225
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 4,425</b>	<b>\$ 41,800</b>	<b>\$ 2,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 48,225</b>

Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.

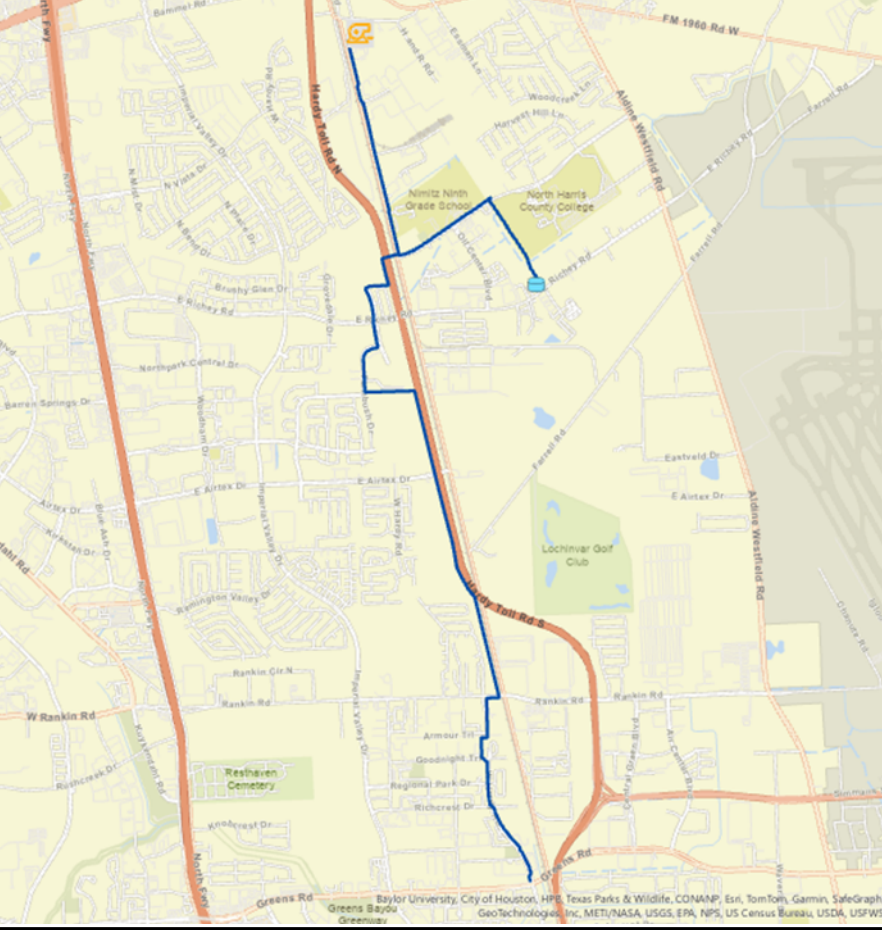
Project Name		System		CIP No.	Version			
Project 6 Series Enhancements		2025 Distribution System		6	Final			
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.								
Project Description								
The project series includes enhancements to the original Project 6 series constructed as part of the 2010 system to connect two new water receiving facilities and prepare the system for Project 37 interconnect. These two additional facilities will count towards the 2025 conversion goal.								
WRFs Connected								
Name	Demand last permit year (mgd)							
Faulkey Gully MUD WP No. 1	0.42							
NWHCMUD 5 WP No. 3	1.66							
Schedule								
Phase	Start Year							
Planning	2019							
Design	2019							
Construction	2023							
In Service	2024							
Closeout	2025							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ 989	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 989
Design	\$ 1,502	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,502
Construction	\$ 8,056	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,056
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100
<b>Grand Total</b>	<b>\$ 10,547</b>	<b>\$ 100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,647</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ 10,379	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,379
Participant	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150
Capital Funds	\$ 18	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 118
<b>Grand Total</b>	<b>\$ 10,547</b>	<b>\$ 100</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,647</b>

Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.





Project Name		System		CIP No.	Version			
Project 7 Series Enhancements		2025 Distribution System		7	Final			
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.								
Project Description								
Project 7 series was originally constructed as part of the 2010 system. This project extends service from the 2010 system to one new MUD to count towards the 2025 conversion goal.								
WRFs Connected								
Name	Demand last permit year (mgd)							
NWHCMUD 32	0.68							
Schedule								
Phase	Start Year							
Planning	2019							
Design	2020							
Construction	2023							
In Service	2024							
Closeout	2024							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ 332	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 332
Design	\$ 735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 735
Construction	\$ 4,716	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,716
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 5,784</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,784</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ 5,784	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,784
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 5,784</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,784</b>

Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.


Project Name		System		CIP No.		Version		
Project 23 Series		2025 Distribution System		23		Final		
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.								
Project Description								
This transmission project is partially co-funded by City of Houston to bring water from the NETL north, parallel to the Hardy Toll Rd. It ultimately will deliver water to Projects 39 and 40 as part of the 2025 system via a new pump station.								
WRFs Connected								
Name	Demand last permit year (mgd)							
Richey Road MUD WP No. 1	0.31							
Series 39 (21 total) - future	7.57							
Series 40 (9 total) - future	3.83							
Schedule								
Phase	Start Year							
Planning	2020							
Design	2024							
Construction	2026							
In Service	2027							
Closeout	2028							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ 7,400	\$ 1,628	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,027
Design	\$ 17,471	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,471
Construction	\$ -	\$ -	\$ 154,892	\$ 4,188	\$ 3,250	\$ -	\$ -	\$ 162,329
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 24,871</b>	<b>\$ 1,628</b>	<b>\$ 154,892</b>	<b>\$ 4,188</b>	<b>\$ 3,250</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 188,828</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ 23,948	\$ 1,479	\$ 148,780	\$ 3,894	\$ 3,250	\$ -	\$ -	\$ 181,352
Participant	\$ 923	\$ 148	\$ 6,112	\$ 293	\$ -	\$ -	\$ -	\$ 7,476
Capital Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 24,871</b>	<b>\$ 1,628</b>	<b>\$ 154,892</b>	<b>\$ 4,188</b>	<b>\$ 3,250</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 188,828</b>

Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.

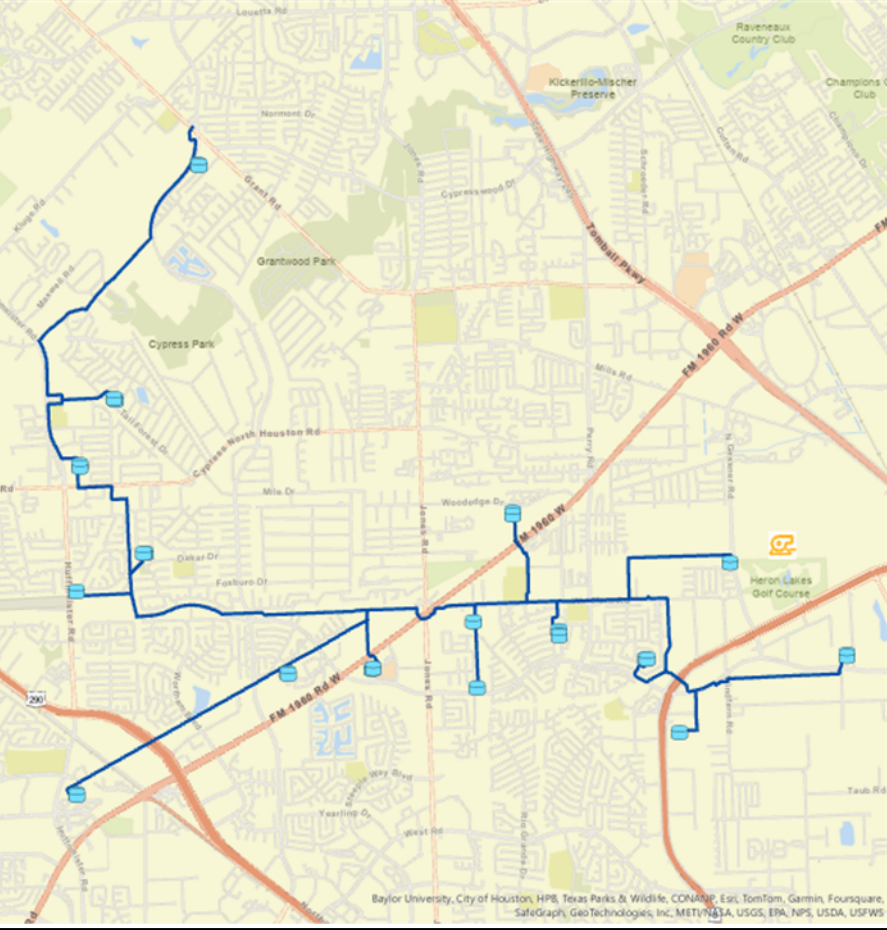
Project Name		System					CIP No.	Version
249 Pump Station (Alan Rendl Pump Station)		System Wide					24	Final
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.								
Project Description								
This project includes all improvements necessary to construct the Alan Rendl Pump Station, which is integral to deliver water to the west and northwest parts of the service area. The pump station building will be sized for future capacity to meet 2035 conversion requirements.								
WRFs Connected								
Name	Demand last permit year (mgd)							
N/A - pump station only	0.00							
Schedule								
Phase	Start Year							
Planning	2020							
Design	2020							
Construction	2020							
In Service	2024							
Closeout	2025							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ 5,481	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,481
Design	\$ 8,988	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,988
Construction	\$ 100,739	\$ 5,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,847
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 115,208</b>	<b>\$ 5,108</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 120,316</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ 115,208	\$ 5,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,316
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 115,208</b>	<b>\$ 5,108</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 120,316</b>

Project Name		System		CIP No.	Version			
Northeast Water Purification Plant (NEWPP) Expansion		System Wide		26	Final			
Project Justification		Project Map						
This project is for the Authority's share of the capacity buy-in at NEWPP in order to obtain additional surface water supply for the entire system. The surface water from NEWPP will help meet 2025 and 2035 conversion goals mandated by HGSD.								
Project Description								
The Authority provides funds to the City of Houston upon request in accordance with the 2019 Agreement. Funds listed in 2025 are for the balance of what the Authority owes to the City as well as the remaining contingency funds on the SWIFT loan to cover potential delayed construction.								
WRFs Connected								
Name	Demand last permit year (mgd)							
N/A - supply only	0.00							
Schedule								
Phase	Start Year							
Planning	2015							
Design	2019							
Construction	2019							
In Service	2024							
Closeout	2026							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ 7,802	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,802
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ 646,527	\$ 32,515	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 679,042
<b>Grand Total</b>	<b>\$ 654,329</b>	<b>\$ 32,515</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 686,844</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ 654,329	\$ 32,515	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 686,844
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 654,329</b>	<b>\$ 32,515</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 686,844</b>


Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.

Project Name		System		CIP No.	Version			
Project 28 Series		2025 Distribution System		28	Final			
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.								
Project Description								
Project 28 includes distribution lines from the Alan Rendl Pump Station directly to 9 water receiving facilities in the Authority's distribution area. Project 28 is the backbone that conveys flows to Projects 31, 35, and 37.								
WRFs Connected								
Name	Demand last permit year (mgd)							
Various (9 total)	1.69							
Schedule								
Phase	Start Year							
Planning	2014							
Design	2019							
Construction	2020							
In Service	2022							
Closeout	2025							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ 6,135	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,135
Design	\$ 10,594	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,594
Construction	\$ 85,570	\$ 1,467	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 87,037
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 102,299</b>	<b>\$ 1,467</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 103,767</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ 86,567	\$ 1,467	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,034
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ 15,733	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,733
<b>Grand Total</b>	<b>\$ 102,299</b>	<b>\$ 1,467</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 103,767</b>

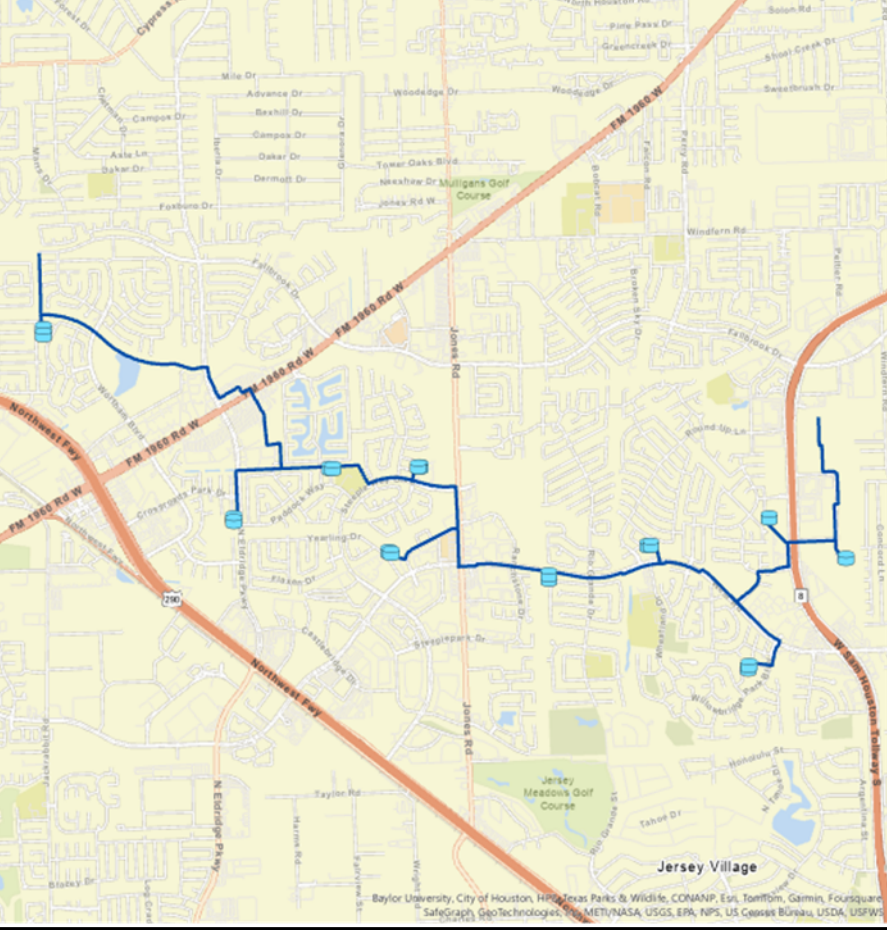
Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.

Project Name		System		CIP No.	Version			
Project 31 Series		2025 Distribution System		31	Final			
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.								
Project Description								
Project 31 connects an additional 16 water receiving facilities to the Authority's 2025 distribution system.								
WRFs Connected								
Name	Demand last permit year (mgd)							
Various (16 total)	4.84							
Schedule								
Phase	Start Year							
Planning	2019							
Design	2020							
Construction	2024							
In Service	2025							
Closeout	2026							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ 15,795	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,795
Design	\$ 11,543	\$ 720	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,263
Construction	\$ 122,785	\$ 3,613	\$ 2,491	\$ -	\$ -	\$ -	\$ -	\$ 128,888
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ 2,061	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,061
<b>Grand Total</b>	<b>\$ 152,185</b>	<b>\$ 4,333</b>	<b>\$ 2,491</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 159,008</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ 137,914	\$ 4,333	\$ 2,491	\$ -	\$ -	\$ -	\$ -	\$ 144,737
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ 14,271	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,271
<b>Grand Total</b>	<b>\$ 152,185</b>	<b>\$ 4,333</b>	<b>\$ 2,491</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 159,008</b>

Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.

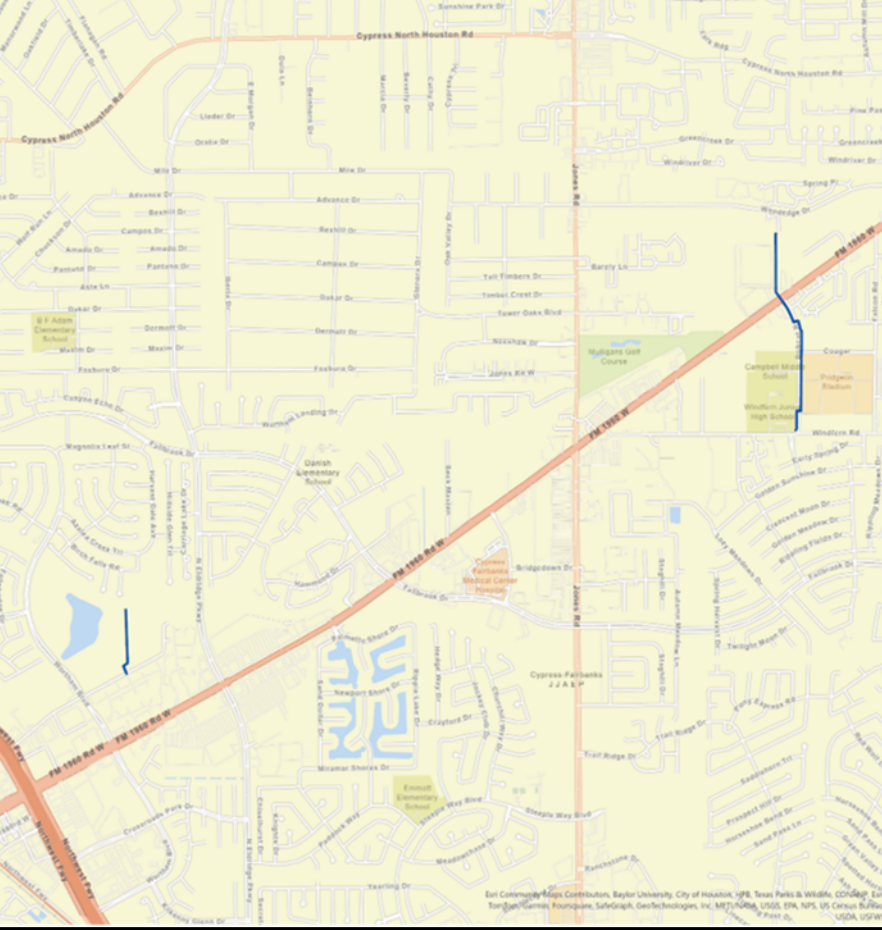
Project Name		System		CIP No.	Version			
City of Tomball Connection to 2025 Distribution System		2025 Distribution System		32	Final			
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.								
Project Description								
The City's current master plan indicates that there will be significant growth within the near-term horizon. Project 32 will convey surface water to multiple water plants within the City of Tomball to help achieve the 2025 conversion goal.								
WRFs Connected								
Name	Demand last permit year (mgd)							
Tomball (3 WPs)	2.70							
Anticipated 2029 Demand	4.10							
Schedule								
Phase	Start Year							
Planning	2025							
Design	2026							
Construction	2028							
In Service	2029							
Closeout	2029							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ -	\$ -	\$ 3,216	\$ 5,940	\$ -	\$ -	\$ -	\$ 9,156
Design	\$ -	\$ 464	\$ 12,651	\$ -	\$ -	\$ -	\$ -	\$ 13,115
Construction	\$ -	\$ -	\$ -	\$ -	\$ 92,856	\$ 4,447	\$ -	\$ 97,303
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 464</b>	<b>\$ 15,867</b>	<b>\$ 5,940</b>	<b>\$ 92,856</b>	<b>\$ 4,447</b>	<b>\$ -</b>	<b>\$ 119,574</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ -	\$ 464	\$ 15,867	\$ 5,940	\$ 92,856	\$ 4,447	\$ -	\$ 119,574
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ -</b>	<b>\$ 464</b>	<b>\$ 15,867</b>	<b>\$ 5,940</b>	<b>\$ 92,856</b>	<b>\$ 4,447</b>	<b>\$ -</b>	<b>\$ 119,574</b>

Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.

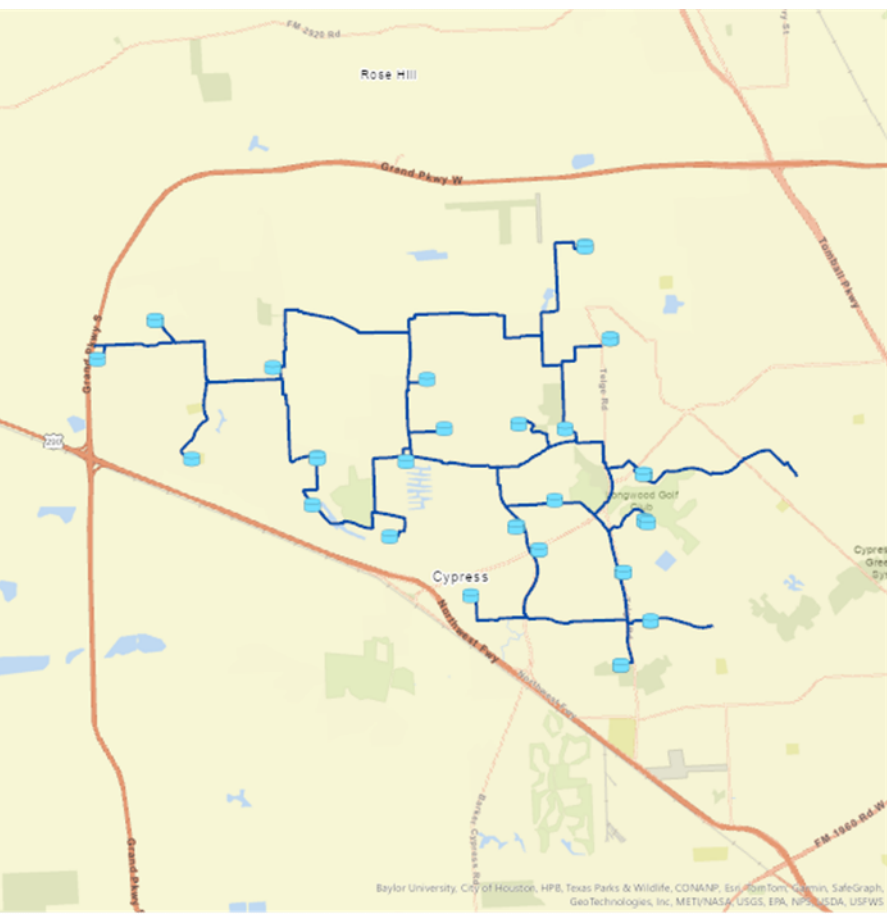
Project Name		System		CIP No.	Version			
Project 35 Series		2025 Distribution System		35	Final			
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.								
Project Description								
Project 35 will extend service to 10 additional water receiving facilities to help meet the 2025 conversion deadline. It interconnects with Project 31 and Project 37.								
WRFs Connected								
Name	Demand last permit year (mgd)							
Various (10 total)	4.05							
Schedule								
Phase	Start Year							
Planning	2022							
Design	2022							
Construction	2024							
In Service	2025							
Closeout	2025							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ 9,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,055
Design	\$ 5,112	\$ 600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,712
Construction	\$ 63,330	\$ 3,155	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,485
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ 2,790	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,790
<b>Grand Total</b>	<b>\$ 80,288</b>	<b>\$ 3,755</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 84,043</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ 80,288	\$ 3,755	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 84,043
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 80,288</b>	<b>\$ 3,755</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 84,043</b>

Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.




Project Name		System		CIP No.		Version		
Project 36		2025 Distribution System		36		Final		
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.								
Project Description								
The project includes a water line from the connection point of Project 35D along White Oak Bayou, to a connection to Project 31C within the CenterPoint Energy Corridor and from Project 31A to Project 28F. It improves long-term system pressure for Project 37.								
WRFs Connected								
Name	Demand last permit year (mgd)							
N/A - pipeline only	0.00							
Schedule								
Phase	Start Year							
Planning	2023							
Design	2025							
Construction	2026							
In Service	2027							
Closeout	2027							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ -	\$ 700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 700
Design	\$ 168	\$ 501	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 669
Construction	\$ -	\$ -	\$ 3,502	\$ 170	\$ -	\$ -	\$ -	\$ 3,672
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 168</b>	<b>\$ 1,201</b>	<b>\$ 3,502</b>	<b>\$ 170</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,041</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ 168	\$ 1,201	\$ 3,502	\$ 170	\$ -	\$ -	\$ -	\$ 5,041
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 168</b>	<b>\$ 1,201</b>	<b>\$ 3,502</b>	<b>\$ 170</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,041</b>


Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.

Project Name		System				CIP No.	Version	
Project 37 Series		2025 Distribution System				37	Final	
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.								
Project Description								
Project 37 extends surface water to the western service area, near State Hwy 290 and the Grand Parkway. It will add 22 water receiving facilities to the Authority's distribution system to help achieve the 2025 conversion requirements.								
WRFs Connected								
Name	Demand last permit year (mgd)							
Various (22 total)	9.25							
Schedule								
Phase	Start Year							
Planning	2022							
Design	2024							
Construction	2025							
In Service	2027							
Closeout	2027							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ 10,480	\$ 12,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,440
Design	\$ 26,315	\$ 735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,050
Construction	\$ -	\$ 286,586	\$ -	\$ 13,912	\$ -	\$ -	\$ -	\$ 300,498
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 36,795</b>	<b>\$300,281</b>	<b>\$ -</b>	<b>\$ 13,912</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 350,988</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ 36,795	\$ 300,281	\$ -	\$ 13,912	\$ -	\$ -	\$ -	\$ 350,988
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 36,795</b>	<b>\$300,281</b>	<b>\$ -</b>	<b>\$ 13,912</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 350,988</b>


Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.

Project Name		System		CIP No.	Version			
Project 39 Series		2025 Distribution System		39	Final			
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.								
Project Description								
Project 39 will convey surface water from the Hardy Road Pump Station north of FM1960. It also interconnects the 2010 system to the new eastern service area. It will supply water to an additional 21 water receiving facilities to help achieve the 2025 conversion requirement.								
WRFs Connected								
Name	Demand last permit year (mgd)							
Various (21 total)	7.57							
Schedule								
Phase	Start Year							
Planning	2024							
Design	2025							
Construction	2027							
In Service	2028							
Closeout	2028							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ -	\$ 8,040	\$ 14,130	\$ -	\$ -	\$ -	\$ -	\$ 22,170
Design	\$ 1,028	\$ 19,816	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,844
Construction	\$ -	\$ -	\$ -	\$ 143,529	\$ 6,943	\$ -	\$ -	\$ 150,472
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 1,028</b>	<b>\$ 27,856</b>	<b>\$ 14,130</b>	<b>\$ 143,529</b>	<b>\$ 6,943</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 193,486</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ 1,028	\$ 27,856	\$ 14,130	\$ 143,529	\$ 6,943	\$ -	\$ -	\$ 193,486
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 1,028</b>	<b>\$ 27,856</b>	<b>\$ 14,130</b>	<b>\$ 143,529</b>	<b>\$ 6,943</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 193,486</b>

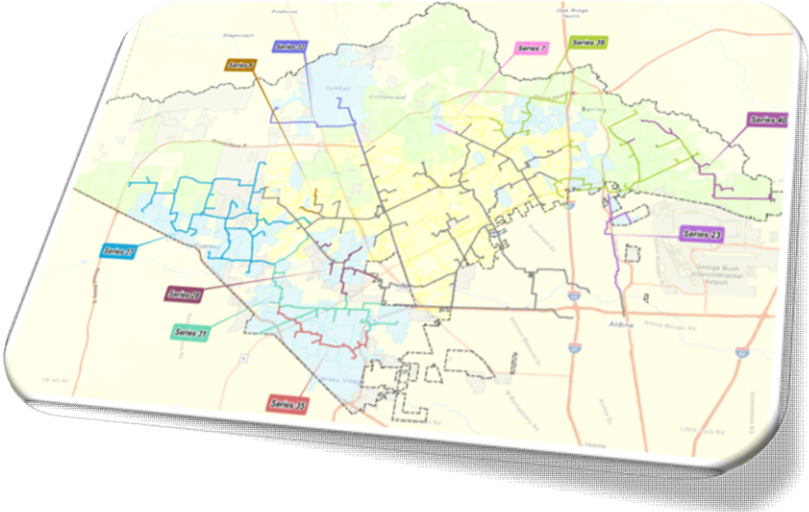
Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.

Project Name		System		CIP No.	Version			
Project 40 Series		2025 Distribution System		40	Final			
Project Justification		Project Map						
This project is necessary to meet the HGSD mandate for the 2025 conversion deadline.		 <p style="text-align: center;">CONCEPTUAL AND SUBJECT TO CHANGE <small>City of Houston, HPB, Montgomery County, TX GIS Office, Texas Parks &amp; Wildlife, CONANP, Earl TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METYNASA, USGS, EPA, NPS, USDA, USFWS</small></p>						
Project Description								
Project 40 will convey surface water from the Hardy Road Pump Station to an additional 9 water receiving facilities to help achieve the 2025 conversion requirement.								
WRFs Connected								
Name	Demand last permit year (mgd)							
Various (9 total)	3.83							
Schedule								
Phase	Start Year							
Planning	2024							
Design	2025							
Construction	2027							
In Service	2028							
Closeout	2028							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	\$ -	\$ 2,520	\$ 4,320	\$ -	\$ -	\$ -	\$ -	\$ 6,840
Design	\$ 392	\$ 10,633	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,025
Construction	\$ -	\$ -	\$ -	\$ 77,547	\$ 3,755	\$ -	\$ -	\$ 81,301
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 392</b>	<b>\$ 13,153</b>	<b>\$ 4,320</b>	<b>\$ 77,547</b>	<b>\$ 3,755</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 99,166</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	\$ 392	\$ 13,153	\$ 4,320	\$ 77,547	\$ 3,755	\$ -	\$ -	\$ 99,166
Participant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Grand Total</b>	<b>\$ 392</b>	<b>\$ 13,153</b>	<b>\$ 4,320</b>	<b>\$ 77,547</b>	<b>\$ 3,755</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 99,166</b>

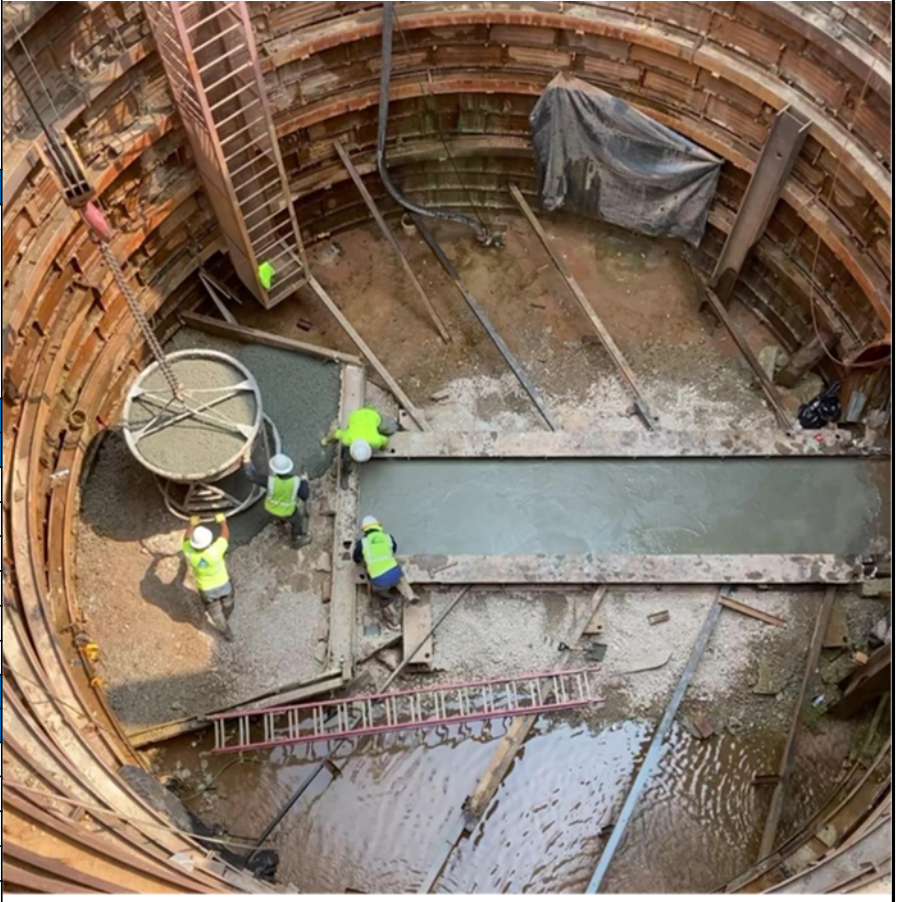
Note: All future costs and forecasted funding shown on this sheet are in 2024 dollars.

Project Name		System		CIP No.	Version			
System Improvements and Repairs		System Wide		100	Final			
Project Justification		Project Map						
Annual system improvement funds are budgeted within the CIP for potential minor upgrades or emergency repairs needed throughout the fiscal year.								
Project Description								
System improvement funds for the program are budgeted on an annual basis via capital funds within the construction fund. Unspent budget does not carry over.								
WRFs Connected								
Name	Demand last permit year (mgd)							
N/A	0.00							
Schedule								
Phase	Start Year							
Planning	N/A							
Design	N/A							
Construction	N/A							
In Service	N/A							
Closeout	N/A							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Design	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Construction	N/A	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	N/A	N/A
Equipment	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Other	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
<b>Grand Total</b>	<b>N/A</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>N/A</b>	<b>N/A</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Participant	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Capital Funds	N/A	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	N/A	N/A
<b>Grand Total</b>	<b>N/A</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>\$ 2,000</b>	<b>N/A</b>	<b>N/A</b>

Notes: All future costs and funding shown on this sheet are in 2024 dollars.  
Previous authorizations and future costs are N/A since budget is allocated annually.

Project Name		System		CIP No.	Version			
Program Services		System Wide		200	Final			
Project Justification			Project Map					
Annual funds for various program services including management of the program, master planning, regulatory compliance, GIS data management, and annual contracts for third-party program software.								
Project Description								
Program services funds are budgeted on an annual basis via capital funds within the construction fund. Unspent budget does not carry over.								
WRFs Connected								
Name	Demand last permit year (mgd)							
N/A	0.00							
Schedule								
Phase	Start Year							
Planning	N/A							
Design	N/A							
Construction	N/A							
In Service	N/A							
Closeout	N/A							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Design	N/A	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	N/A	N/A
Construction	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Equipment	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Other	N/A	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	N/A	N/A
<b>Grand Total</b>	<b>N/A</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>N/A</b>	<b>N/A</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Participant	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Capital Funds	N/A	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	N/A	N/A
<b>Grand Total</b>	<b>N/A</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>N/A</b>	<b>N/A</b>

Notes: All future costs and funding shown on this sheet are in 2024 dollars.  
Previous authorizations and future costs are N/A since budget is allocated annually.

Project Name		System		CIP No.	Version			
Contingency		System Wide		CONT	Final			
Project Justification		Project Map						
Annual contingency funds are budgeted within the CIP for potential program or project needs throughout the fiscal year.								
Project Description								
Contingency funds for the program are budgeted on an annual basis via capital funds within the construction fund. Unspent budget does not carry over.								
WRFs Connected								
Name	Demand last permit year (mgd)							
N/A	0.00							
Schedule								
Phase	Start Year							
Planning	Future							
Design	Future							
Construction	Future							
In Service	Future							
Closeout	Future							
CIP Category	Previous Authorizations Executed (Thousands)	Fiscal Year Planned Authorizations (Thousands)						Total Expected Project Cost (Thousands)
		2025	2026	2027	2028	2029	Future	
Acquisition	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Design	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Construction	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Equipment	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Other	N/A	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	N/A	N/A
<b>Grand Total</b>	<b>N/A</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>N/A</b>	<b>N/A</b>
Source of Funds	Previous Funding Received (Thousands)	Fiscal Year Planned Funding (Thousands)						Total Expected Project Funding (Thousands)
		2025	2026	2027	2028	2029	Future	
SWIFT	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Participant	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	N/A	N/A
Capital Funds	N/A	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	N/A	N/A
<b>Grand Total</b>	<b>N/A</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>N/A</b>	<b>N/A</b>

Notes: All future costs and funding shown on this sheet are in 2024 dollars.  
Previous authorizations and future costs are N/A since budget is allocated annually.