

Special District Public Facilities Report

May 30, 2023



**Tampa Bay Water
Special District Public Facilities Report Facility
Status as of May 30, 2023**

Pursuant to Subsection 189.415, Florida Statutes

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**TAMPA BAY WATER
SPECIAL DISTRICT PUBLIC FACILITIES REPORT
PURSUANT TO SUBSECTION 189.415, FLORIDA STATUTES**

May 30, 2023

Beginning March 1, 1991, pursuant to state law enacted in the 1989 legislative session, [Chapter 89-169, Laws of Florida (Chapter 189, F.S.)], special districts such as Tampa Bay Water are required to file special district public facilities reports with each local government in which the special districts are located. The purpose of the report is to provide local governments with information that may be pertinent to the development and updating of the local governments' comprehensive plans.

TAMPA BAY WATER

HISTORY

Tampa Bay Water was first established as the West Coast Regional Water Supply Authority on October 25, 1974, as a result of state enabling legislation (74-114, Laws of Florida) and a five-party agreement among Hillsborough, Pinellas, and Pasco counties and the cities of St. Petersburg and Tampa. It was the first such entity organized under the provisions of Chapter 373, Florida Statutes – Water Resources. The City of New Port Richey joined the agency in 1984. In 1998, Tampa Bay Water was formed by the six Member Governments and is governed by the Amended and Restated Interlocal Agreement and Master Water Supply Contract.

LONG-TERM MASTER WATER PLAN

Tampa Bay Water's Board of Directors approved the original Master Water Plan in December 1995. The Tampa Bay Water Board of Directors approves projects for implementation that are environmentally sustainable, technically sound, and economically feasible. In November 1998, the Board approved System Configuration I of the Master Water Plan for implementation. This \$680 million program was co-funded by the Southwest Florida Water Management District (District) in the amount of \$183 million and included the addition of surface water and desalinated seawater to the Tampa Bay Water system.

System Configuration II of the Master Water Plan was completed in 2011. This program involved expanding the treatment and pumping capacity of Tampa Bay Water's Regional Surface Water Treatment system. Capital costs totaled \$226 million; The District, regional Basin Boards, and the State of Florida co-funded \$122 million of the total cost.

The original Master Water Plan also included public information and involvement along with a demand management component to reduce anticipated potable demand across the region. Tampa Bay Water worked closely with its member governments to ensure that projected annual average potable demand was reduced by 10 million gallons per day by 2000, and that a total potable demand reduction of 18 million gallons per day (mgd) was achieved by 2005 through demand management and conservation activities. Additional reduction of projected demand by 6 mgd due to active potable conservation programs was achieved through 2018, for a total of at least 24 mgd water savings for the region (actual demand reductions can occur through both active and passive savings). The Board also approved the implementation of the regional 2018 Demand Management Program, now called the Tampa Bay Water Wise program. Tampa Bay Water Wise identifies potential demand management initiatives to save 3.8 mgd by 2030 and delay the need to build new supplies.

As required in the Agency's governing documents, the Long-term Master Water Plan is updated every five years. The latest update to the Long-Term Master Water Plan was completed in 2018 and identified that:

- Approximately 20 million gallons per day (mgd) of new supplies need to be developed during this 20-year planning horizon; and
- Approximately 10 mgd of this 20 mgd will need to be online by 2028.

With approval of the Long-term Master Water Plan 2018, the Board directed the Agency to conduct feasibility studies on the top-three ranked projects for future water supply. Those projects were:

- South Hillsborough Wellfield (via SHARP Credits)
- Desalination Water Treatment Plant Expansion with Existing Source Water
- Surface Water Treatment Plant Expansion with Existing Source Water

Detailed feasibility evaluations on these projects are now complete. Using the results of the detailed feasibility studies, Integrated Program Manager Consultant, Black & Veatch, evaluated multiple configurations using the three options. Using the Board approved ranking framework and criteria, Black & Veatch evaluated and scored the three top-ranked project configurations consisting of:

- Surface Water Treatment Plant Expansion with Existing Source Water
- New Surface Water Treatment Plant
- Desalination Water Treatment Plant Expansion with Existing Source Water

In August 2022, the Board selected the Expansion of the Existing Surface Water Treatment Plant, System Configuration III of the Master Water Plan, which is scheduled for implementation by 2028. The next update to the Long-term Master Water Plan is currently underway and will be completed by December 2023. The 2023 Long-term Master Water Plan will identify a short-list of potential new water supply projects to be considered for future feasibility studies.

**TABLE I
EXISTING WATER SUPPLY FACILITIES**

Facility	Current Permitted/Rated/ or Design Capacity (mgd)	Current Water Use Permit	Location
Cosme-Odessa Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2022. Expires January 25, 2032. Permittee - Tampa Bay Water.	Northwest Hillsborough County, along Racetrack Road and Gunn Highway 19 wells
Cross Bar Ranch Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2022. Expires January 25, 2032. Permittee - Tampa Bay Water.	North-Central Pasco County, east of US 41, north of SR 52 and south of CR 578 17 wells
Cypress Bridge Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2022. Expires January 25, 2032. Permittee - Tampa Bay Water.	South-Central Pasco County, Wesley Chapel Area, and North-Central Hillsborough County in the vicinity of I-75 and CR 581 10 wells
Cypress Creek Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2022. Expires January 25, 2032. Permittee - Tampa Bay Water.	Central Pasco County, east of US 41 and CR 583, south of SR 52, north of SR 54 13 wells, pump station site and storage facilities
Morris Bridge Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2022. Expires January 25, 2032. Permittee - Tampa Bay Water.	North-Central Hillsborough County 20 wells
Eldridge-Wilde Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2022. Expires January 25, 2032. Permittee - Tampa Bay Water.	Northeast corner of Pinellas County and northwest corner of Hillsborough County at the Pasco County line 24 wells.
Northwest Hillsborough Regional Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2022. Expires January 25, 2032. Permittee - Tampa Bay Water.	Northwest Hillsborough County, along Gunn Hwy and south of CR 589 6 wells
Section 21 Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2022. Expires January 25, 2032. Permittee - Tampa Bay Water.	Northwest Hillsborough County, in Lake Park at the southwest corner of the intersection of Dale Mabry Highway and Van Dyke Road 6 wells

Facility	Current Permitted/Rated/ or Design Capacity (mgd)	Current Water Use Permit	Location
South-Central Hillsborough Regional Wellfield	24.95	Water Use Permit 20004352.009 issued May 19, 2020. Expires June 26, 2040. Permittee - Tampa Bay Water	Southeast Hillsborough County, in the vicinity of Thompson, Keysville and Nichols Roads, and CR 39 17 wells
South Pasco Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2022. Expires January 25, 2032. Permittee - Tampa Bay Water.	South-Central Pasco County, south of SR 54 8 wells
Starkey Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2022. Expires January 25, 2032. Permittee - Tampa Bay Water.	West Pasco County, between SR 54 and SR 587 12 wells.
Brandon Urban Dispersed Wells	6	Water Use Permit 20011732.005 issued August 7, 2019. Expires August 7, 2039. Permittee-Tampa Bay Water	South-Central Hillsborough County, south of I-4, north of Durant Road, Seffner, FL 5 wells
Carrollwood Wells	0.82	Water Use Permit 20005886.004 issued October 11, 2010. Expires October 11, 2030. Permittee - Tampa Bay Water	Northwest Hillsborough County, east of Dale Mabry Highway, north of Busch Blvd. 3 wells
Cypress Creek Pump Station and Water Treatment Plant	179	Not Applicable	Central Pasco County, east of US 41 and SR 583, south of SR 52
Morris Bridge Booster Station	30	Not Applicable	Northern Hillsborough County, east of I-75 and CR 581
South-Central Hillsborough Intertie Booster Station	180	Not Applicable	South-Central Hillsborough County on Boyette Road between Carr Road and Bell Shoals Road
Off-stream Reservoir Pump Station	120	Not Applicable	South Hillsborough County at Regional Reservoir Site
Regional Surface Water Treatment Plant	90 operating /120 rated	Not Applicable	Central Hillsborough County, south of Columbus Drive extension between US 301 and Falkenburg Road
Regional High Service Pump Station	135	Not Applicable	Central Hillsborough County, south of Columbus Drive extension between US 301 and Falkenburg Road
Repump Station	180	Not Applicable	Central Hillsborough County, south of Columbus Drive extension between US 301 and Falkenburg Road
Lake Bridge Water Treatment Plant	44.9	Not Applicable	North-Central Hillsborough County east of Interstate 75 at Hillsborough-Pasco County Line

Facility	Current Permitted/Rated/ or Design Capacity (mgd)	Current Water Use Permit	Location
South Pasco Water Treatment Plant	30	Not Applicable	South Pasco County
Eldridge-Wilde H2S Removal Facility (AKA Keller H2S Water Treatment Plant)	45	Not Applicable	Northeast Pinellas County
Tampa Bypass Canal @ Harney Road Pumping Station	40	Water Use Permit 20006675.006 issued May 26, 2011. Expires May 26, 2031. Permittee - Tampa Bay Water	Central Hillsborough County. Tampa Bypass Canal at Harney Road
Tampa/Hillsborough Interconnect Pump Station	15	Not Applicable	Northwest Hillsborough County, north Tampa area
Brandon Urban Dispersed Wells Water Treatment Facility for wells 2,4,5R, and 6	9.24	Not Applicable	South-Central Hillsborough County, north of SR 60 and east of Kingsway Road
Brandon Urban Dispersed Wells Water Treatment Facility for well 7	3	Not Applicable	South-Central Hillsborough County, north of Durant Road. and west of Miller Road
Tampa Bypass Canal Water Supply	258	Water Use Permit 20011796.002. Issued August 28, 2007. Expires December 31, 2030. Permittee - Tampa Bay Water	Tampa Bypass Canal at Martin Luther King Boulevard in Hillsborough County
Alafia River Pump Station	60	Water Use Permit 20011794.002. Issued November 27, 2012. Expires November 27, 2032. Permittee - Tampa Bay Water	Bell Shoals Road at the Alafia River in Hillsborough County
Tampa Bay Regional Water Treatment Facilities	120	Not Applicable	Central Hillsborough County, south of Columbus Drive extension between US 301 and Falkenburg Road
Tampa Bay Seawater Desalination Plant	28.75	Not Applicable	Apollo Beach area, Hillsborough County
C.W. Bill Young Regional Reservoir	15.5 billion gallons	Not Applicable	South Hillsborough County between CR 39 and Boyette Road
Lithia Hydrogen Sulfide Treatment Plant (SCHIP Phase 3)	50	Not Applicable	South-Central Hillsborough County west of Lithia Pinecrest Rd and north of Fishhawk Blvd. Adjacent to and west of the Lithia Water Treatment Plant

Facility	Current Permitted/Rated/ or Design Capacity (mgd)	Current Water Use Permit	Location
US 41 Pump Station	25	Not Applicable	East Pasco County
Morris Bridge Water Treatment Plant	40	Not Applicable	North-Central Hillsborough County, East of I-275
Keller Water Treatment Plant	45	Not Applicable	North Pinellas County
Tampa Hillsborough Interconnection	15	Not Applicable	North Hillsborough County, West of I-275
Tampa Bypass Canal Pump Station	280	Water Use Permit 20006675.006 issued May 26, 2011. Expires May 26, 2031. Permittee – Tampa Bay Water	On Martin Luther King Jr Boulevard in Central Hillsborough County

**TABLE II
EXISTING PIPELINES**

Facility	Diameter	Material*	Length	Location	Comments
Cypress Creek Transmission Main	84" 84" 72" 66" 64" 60"	WSP PCCP PCCP PCCP DIP PCCP PCCP	28,845' 36,385' 492' 4,210' 21,000' 460' 11,458'	The route follows the abandoned CSX railroad line corridor southwest from the Cypress Creek Wellfield in the Land O' Lakes area of Pasco County, crossing under SR 54, through the Trinity Communities development to Pinellas County. The Trinity line was rebuilt as 21,000' of 64" DIP in 1996/1997. 4,210' of 66" cement pipe plus replacement of 40,000' of Interpace pipe have been completed. 28,845' of 84" PCCP was replaced with 84" WSP in February 2007.	These mains carry treated water from the Cypress Creek Water Treatment Plant in Pasco County to Central and West Pasco County distribution systems, Pinellas County's transmission system, and the St. Petersburg/South Pasco Wellfield Connector. Water comes from Cypress Creek, Cross Bar Ranch, Morris Bridge, Cypress Bridge Wellfields, Desalination Treatment Plant and the Regional Surface Water and groundwater treatment plants. The original construction was completed in 1975. Full replacement of the pipeline was completed in 2007.
Cross Bar Ranch Transmission Main and Wellfield Collection Lines	60" 36" 30" 24" 16"	PCCP PCCP PCCP PCCP PCCP	50,096' 1,582' 2,620' 1,185' 20,602'	The transmission main route generally follows a southeast direction, carrying raw water from the Cross Bar Ranch Wellfield, crossing under SR 52, and then connecting to the Cypress Creek Water Treatment Plant. The wellfield collection system contains 16" to 36" pipe connectors.	This main carries raw water from the Cross Bar Ranch Wellfield to the Cypress Creek Water Treatment Plant. Both of these facilities are in Pasco County. The line was constructed in 1980.
Cypress Bridge Transmission Main and Collection Mains	66" 64" 48" 36" 30" 24" 20" 18" 16"	WSP DIP DIP DIP DIP DIP DIP DIP DIP	30,000' 23,000' 24' 11,945' 3,381' 750' 1,760' 30,808' 4,900'	The transmission main (66" and 64") pipeline route travels southeast from the Cypress Bridge Wellfield north of the Tampa Executive Airport, under I-75, then south to the Lake Bridge Water Treatment Plant. The collection mains collect raw water from the Cypress Bridge Wellfield for transmission.	This transmission main connects the Cypress Bridge Wellfield to the Lake Bridge Water Treatment Plant in Hillsborough County and to the Cypress Creek Water Treatment Plant. The collection mains collect well water for treatment at the Lake Bridge Water Treatment Plant. Construction was completed in 1996.

* PCCP Prestressed Cylindrical Concrete Pipe
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DIP Ductile Iron Pipe
RCP Reinforced Concrete Pipe
CI Cast Iron
HDPE High Density Polyethylene
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Note: Facilities listed do not include information on pipeline appurtenances such as valves, electronic monitoring equipment, and flow measuring devices.

Facility	Diameter	Material*	Length	Location	Comments
North Pasco Wellfield Transmission Main	36" 16"	DIP DIP	17,800' 2,700'	The route travels south from the North Pasco Wellfield, along the Florida Power powerline corridor to the Starkey Wellfield.	These pipelines carried raw water from the North Pasco Wellfield to the Starkey Wellfield. Water was then delivered to New Port Richey's George Maytum Water Plant and Pasco County's Water Treatment Plant. This north Pasco Wells and pipeline is no longer in service.
Keller Connector Transmission Main	64" 66"	DIP WSP	8,129'	The pipeline connects the Cypress Creek Transmission Main at the Pinellas/Pasco County border and travels due south to a junction that feeds a county 42 inch into the Keller facility and a county 60 inch that continues into the county system.	The pipeline carries treated water from the Cypress Creek Water Treatment Plant in Pasco County to Pinellas County's Keller facility and the county distribution system.
Northwest Hillsborough Pipeline	42"	DIP HDPE	9,800' 900'	Located in Northwest Hillsborough County. Begins at Hillsborough County's Northwest Hillsborough Water Treatment Plant and continues east to the Upper Tampa Bay Trail, and north to the Gunn Highway and Manhattan Drive intersection.	The pipeline carries regional water and connects the Northwest Hillsborough Transmission Main and Hillsborough County's Northwest Hillsborough Water Treatment Plant.
Northwest Hillsborough Collection Main	36" 30" 24" 16"	PCCP PCCP PCCP DIP	390' 10,700' 4,400' 13,052'	Located in Northwest Hillsborough County. The pipeline route travels northwest, beginning at the Carrollwood Wells located near Lake Carroll, proceeding south along Dale Mabry Highway, then proceeding west, paralleling Gunn Highway (CR 587) from Mullis City Road to Manhattan Drive, then south along the Upper Tampa Bay Trail and west to Sheldon Road (CR 589).	These mains carry raw water from the Carrollwood Wells and Northwest Hillsborough Regional Wellfield to Sheldon Road Transmission Main. Construction was completed in 1985.
Northwest Hillsborough Transmission Main	36" 36"	PCCP DIP	16,910' 10,500'	Located in Northwest Hillsborough County. Begins at the Gunn Highway and Manhattan Drive intersection and continues north to Racetrack Road and St. Petersburg's Cosme Water Treatment Plant.	This pipeline network (1) carries treated water in either direction and connects the Northwest Hillsborough Pipeline and Cosme transmission main, and (2) collects groundwater from Northwest Hillsborough Regional wells 1-6.
South-Central Hillsborough Regional Wellfield Transmission Mains and Collection Mains	54" 48" 42" 36" 30" 24" 20" 16"	PCCP PCCP PCCP DIP DIP DIP PCCP DIP	31,000' 11,600' 1,350' 1,500' 2,500' 1,400' 4,700' 14,500'	The pipeline travels west from the Keysville area of southern Hillsborough County, south of SR 60, north of Lithia-Pinecrest Road to the Lithia Water Treatment Plant.	These mains carry raw water from the South-Central Hillsborough Regional Wellfield to the Lithia Water Treatment Plant.

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Facility	Diameter	Material*	Length	Location	Comments
Starkey Wellfield Transmission Main and Collection Mains	42" 36" 30" 24" 16" 12" 8"	PCCP DIP PCCP DIP DIP DIP DIP	26,548' 4,100' 6,000' 2,629' 21,655' 325' 575'	Collects water in the Starkey Wellfield and travels west from the Starkey Wellfield to Decubellis Rd.	The collection main carries raw water from the Starkey Wellfield to Pasco County's Water Treatment Plant and New Port Richey's Water Treatment Plant.
Tampa Bypass Canal/ Harney Transmission Main	42" 30"	DIP DIP	670' 6'	Moves water from east to west along the south side of the Tampa Bypass Canal across Flood Control Structure #161.	These pipelines carry raw surface water from the Tampa Bypass Canal Pump Station across Flood Control Structure #161 into the Hillsborough River Reservoir. The line was completed in 1991.
South Pasco Transmission Main	42" 36" 30" 42"	RCP PCCP PCCP Steel	59,580' 4,200' 3,136' 6,685'	Travels south from the Cypress Creek 84" Transmission Main to the Lake Park Water Treatment Plant and the Cosme Water Treatment Plant.	Links the South Pasco Wellfield and Cypress Creek Transmission Main, then the Lake Park Water Treatment Plant and the Cosme Water Treatment Plant.
North-Central Hillsborough Intertie	84"	WSP	65,000'	The pipeline route travels south from Morris Bridge along the Tampa Bypass Canal levee, then through Sabal Park to the Regional Water Treatment Plant.	This Transmission Main conveys treated and blended surface water, groundwater, and desalinated seawater from the Regional Water Treatment Plant to the regional system near Morris Bridge.
South-Central Hillsborough Intertie	72" 48"	WSP DIP	67,330' 640'	The pipeline route travels south from the Tampa Bay Water Regional Facilities site at U.S. 301/E. Columbus Ave. adjacent to Falkenburg Road, then west in the TECO easement to the Alafia River pump station located at Bell Shoals Road and the Alafia River in Hillsborough County.	This Transmission Main conveys raw water from the Tampa Bypass Canal and Hillsborough River sources to the C.W. Bill Young Regional Reservoir. It also conveys raw water from the Alafia River pump station and the C.W. Bill Young Regional Reservoir to the Tampa Bay Water Regional Surface Water Treatment Plant (SWTP).
Alafia Pump Station Piping and Blowoff Piping at Long-Flat Creek	48" 30" 20" 16" 10"	WSP SS SS SS SS	190' 80' 15' 40' 22'	Hillsborough County at the Alafia River Pump Station and near the Regional Reservoir	To allow for emergency drawdown of the water elevation of the C. W. Bill Young Regional Reservoir
Tampa Bay Desalination Plant Pipeline	42"	DIP	74,000'	Located in Hillsborough County in a TECO easement from TECO's Big Bend Station to the southeast corner of Broadway & US 301, then north to the Tampa Bay Water Regional Facilities site.	Transmission of desalinated seawater to Tampa Bay Water's Regional Facilities site.

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Facility	Diameter	Material*	Length	Location	Comments
Gunn Highway Well Collection Main	24" 20" 16"	PCCP PCCP PCCP	18,500' 1,300' 2,650'	The pipeline route travels south on Gunn Highway from about one mile north of Van Dyke Road to the Cosme Water Treatment Plant.	This collection main links dispersed wells in the Cosme-Odesa Wellfield to the collector main for the facility.
Eldridge-Wilde Collection Mains	42" 36" 30" 24" 20" 16" 12" 10" 8"	RCP RCP & DIP RCP & DIP RCP & DIP CI & DIP CI & DIP CI & DIP CI & DIP CI & DIP	10,650' 3,050' 6,405' 2,830' 5,250' 8,330' 6,969' 3,017' 600'	Located in Northeast Pinellas County and Northwest Hillsborough County	The collection mains connect 34 wells in the Eldridge-Wilde Wellfield to Pinellas County's Keller Water Treatment Plant.
Cosme Treated Water Bypass	48"	Steel	1,600'	Cosme Water Treatment Plant	Deliver treated water from the Cosme 66" Transmission Main to the Cosme Water Treatment Plant discharge piping.
Cosme-Odesa Collection Mains	42" 36"	PCCP PCCP	6,600' 6,600'	Located within the Cosme-Odesa Wellfield Property.	These are the collection main transmission lines for the Cosme-Odesa Wellfield.
Morris Bridge Wellfield Collection Main	48" 36" 30" 24" 20" 16" 12"	PCCP PCCP PCCP PCCP DIP DIP DIP	6,460' 12,431' 10,110' 4,410' 2,150' 8,860' 11,560'	Located in the Morris Bridge Wellfield.	The collection main links the Morris Bridge Wellfield to the Morris Bridge Booster station and the City of Tampa water treatment plant on Bruce B. Downs Blvd.
Brandon Transmission Main	36" 30"	DIP DIP	28,000' 30,000'	This pipeline begins near Miller and Durant Roads, traveling north on Durant, Lithia-Pinecrest and Kingsway. From Kingsway, it heads west along Wheeler and Broadway, then south along I-75, then west on Columbus to the Regional Water Treatment Plant.	This finished water Transmission Main connects the Tampa Bay Water Regional Facilities site and Hillsborough County's Lithia Water Treatment Plant via the Brandon South-Central Connection.
BUD 5R Collection Main	16"	DIP	5534'	Interconnect replacement production well BUD 5R	South Central Hillsborough County; well is located in Ridge Crest Subdivision. Collection main runs along Wheeler Road from Seffner Valrico Road to Rutherford Drive.

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Facility	Diameter	Material*	Length	Location	Comments
Cypress Creek Wellfield Collection Mains	48" 42" 36" 30" 24" 16" 12"	PCCP PCCP PCCP PCCP PCCP PCCP DIP	7,119' 7,203' 4,606' 4,384' 4,523' 1,418' 330'	Located within the Cypress Creek Wellfield.	These mains collect raw water within the Cypress Creek Wellfield.
South Pasco Wellfield Collection Mains	42" 24" 20" 16" 12"	PCCP DIP DIP DIP DIP	6,264' 3,092' 2,053' 1,355'	Located within the South Pasco Wellfield.	These pipelines collect raw water within the South Pasco Wellfield.
Tampa Bypass Canal Transmission Main	84"	PCCP	9,629'	Located between the Tampa Bypass Canal Pump Station and the Tampa Bay Water Regional Facilities site.	This Transmission Main transports surface water to the Tampa Bay Water Regional Facilities site for treatment at the Tampa Bay Water Surface Water Treatment Plant.
Section 21 Collection Mains	24" 12"	DIP DIP	2,855' 4,138'	Located within the Section 21 Wellfield.	These mains collect raw water within the Section 21 Wellfield.
Cosme Transmission Main	66"	WSP	43,900'	Located in Northwest Hillsborough County.	This transmission main connects the Regional System to the Cosme Water Treatment Plant.
Brandon/South-Central Connection	30"	DIP	33,300'	Located in South-Central Hillsborough County. From the end of the Brandon TM at Durant and Miller Roads east to Pearson Rd.; south to Stearns Rd; east to Stearns Park Rd.; south across Lithia Pinecrest Rd to Adelaide Ave.; west to Spring Rd.; south through Lithia Springs Park to Lithia Spring Rd.; east to Lithia Pinecrest Rd.; south to Lithia WTP	This transmission main connects the Brandon Transmission Main at Miller and Durant Roads to the Lithia Water Treatment Plant site.
Regional Reservoir Transmission Main	84"	WSP	42,240'	Located in South Hillsborough County. Follows Boyette Rd. north from the Reservoir to the South-Central Hillsborough Intertie at Boyette and Bell Shoals Roads	Connects the C.W. Bill Young Regional Reservoir to the Alafia River Intake & Pump Station and the South-Central Hillsborough Intertie.
South-Central Hillsborough System Interconnect	30" 24"	DIP DIP	1,380' 60'	Located in South-Central Hillsborough County at the Lithia Water Treatment Plant.	This yard piping allows treated regional water to be provided to Hillsborough County at their Lithia Water Treatment Plant site.
West Pasco Infrastructure Transmission Main	42" 36"	DIP Steel DIP Steel	11,927' 5,196' 18,893' 855'	Located in western Pasco County.	This transmission main connects the 84" Cypress Creek Transmission Main to Little Road and New Port Richey.

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Facility	Diameter	Material*	Length	Location	Comments
Carrollwood Collection Main	10" 12" 10" 12"	DIP DIP HDPE HDPE	2,835' 13,596' 1,379' 3,266'	Located in Northwest Hillsborough County. From the Carrollwood Wells to Floyd Rd.; west to Hudson Ln.; south to Gunn Hwy.; northwest to Gunn Highway Collection Main at Northwest Hillsborough Well No. 6.	This transmission main connects the Carrollwood wells to the Northwest Hillsborough collector main.
Central Pasco Infrastructure	42" 36" 30" 24" 6"	DIP DIP DIP DIP DIP	178' 764' 433' 585' 225'	Located in Central Pasco County.	Increase capacity of delivery to Pasco County system.
Point of Connection Improvement for Central Hillsborough County	36" 30"	DIP DIP	106' 52'	Located at the Tampa Bay Water Regional Facility Site in Hillsborough County	Connection point to provide water to Hillsborough County from regional system.
Point of Connection Addition for City of Tampa	36" 4"	DIP DIP	188' 65'	Located at the Tampa Bay Water Regional Facility Site in Hillsborough County	Connection point to provide emergency water supply from regional system to City of Tampa.
Northwest Hillsborough Well #7 Connection	24" 24" 16" 12" 12"	DIP HDPE DIP DIP HDPE	4,630' 5,311' 700' 1,705' 383'	Northwest Hillsborough County	Interconnects NWH Well #7 to the Section 21 Wellfield pipeline.
System Interconnect: South-Central Hillsborough Infrastructure Pipeline (Phase 2)	24" 24" 20" 20" 12" 10" 10"	DIP HDPE DIP HDPE DIP DIP HDPE	1,774' 992' 8,772' 6,110' 266' 3,156' 2,097'	Pipeline has two branches originating from the Brandon Urban Dispersed Wellfield. The first branch travels from Lithia-Pinecrest Rd. east on Dew Bloom Rd. and north on Oakwood Ave. to Centennial Lodge Dr. The second branch travels from Kingsway Road east on Wheeler Rd., south on Seffner-Valrico Rd., west on Clay Ave. and south on Oakwood Ave. to Centennial Lodge Dr.	The pipeline interconnects Brandon Urban Dispersed Wells (BUDW) 2, 4 and 6 to the BUDW 5 Water Treatment Plant and then carries potable water to the Brandon Transmission Main.
Odessa Emergency Bypass	36"	DIP	9,210'	Located in Central Pasco County	Connects West Pasco Transmission Main to the Odessa Booster Station
Eastshore 36" /COT 36"	36"	DIP	5,280'	From 301 & Columbus Dr. to Regional Water Lane	Ties City of Tampa to Regional Point of Connection & Surface Water Treatment Plant Discharge

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TABLE III
FACILITIES TO BE BUILT, IMPROVED, OR EXPANDED THROUGH 2029

Project Name	Function	Potential Capacity (mgd)	Projected Construction Start – End Dates	Location	Financing
South Pasco Wellfield Treatment Improvements	Treatment	28	FY's 2026-2027	South Pasco Wellfield, Pasco County	Revenue Bonds
Southern Hillsborough County Supply Expansion: Booster Pump Station – Brandon Booster Station	Booster Pump Station	20	FY's 2022-2024	Southern Hillsborough County	Capital Improvement Fund (CIF) & SWFWMD Co-funding
Southern Hillsborough County Supply Expansion: Pipeline-Segments A and B	Transmission Main	60-65	FY's 2026-2029	Southern Hillsborough County	Capital Improvement Fund (CIF) & Revenue Bonds, Uniform Rate Funds, SWFWMD Co-funding, and Hillsborough County Contribution
System Configuration III - Regional Surface Water Treatment Plant Expansion with Existing Source Water	Potable Water Supply	10-15	FY's 2024-2027	Hillsborough County	Revenue Bonds
South Hillsborough Production Well	Potable Water Supply	2.3	FY's 2023-2025	Southern Hillsborough County	Revenue Bonds

TABLE IV
PROPOSED FACILITY RENEWAL AND REPLACEMENT THROUGH 2032

Project Name	Location	Date Schedule to Begin - End
Alafia Pump Station Motors	Alafia River Pump Station, Hillsborough County	FYs 2025-2028
BUD 5 Chemical Piping Replacement	Brandon Urban Dispersed Wells and Water Treatment Plants, Hillsborough County	FYs 2023-2026
BUD Wells Pumps and Motors Replacement	Brandon Urban Dispersed Wells and Water Treatment Plants, Hillsborough County	FYs 2024-2026
C.W. Bill Young Regional Reservoir-Compressors Replacement	C.W. Bill Young Regional Reservoir, Hillsborough County	FYs 2022-2024
C.W. Bill Young Regional Reservoir-Dissolved Air Lines Replacement	C.W. Bill Young Regional Reservoir, Hillsborough County	FYs 2022-2024
Carrollwood Pumps and Motors Refurbishment	Carrollwood Wellfield, Hillsborough County	FYs 2025-2028
Carrollwood Wells Electrical Improvement	Carrollwood Wellfield, Hillsborough County	FYs 2026-2028
Cosme-Odesa Wellfield Improvements	Cosme-Odesa Wellfield, Hillsborough County	FYs 2023-2026
Cypress Bridge Wellfield Improvements	Cypress Bridge Wellfield, Hillsborough and Pasco Counties	FYs 2019-2024
Cypress Creek Pump Station Variable Frequency Drives	Cypress Creek Pump Station, Pasco County	FYs 2022-2025
Cypress Creek Roads and Security Upgrades	Cypress Creek, Pasco County	FYs 2026-2029
Cypress Creek Water Treatment Plant 72-Inch Valve	Cypress Creek Water Treatment Plant, Pasco County	FYs 2022-2026
Cypress Creek Water Treatment Plant Chemical Piping Replacement	Cypress Creek Water Treatment Plant, Pasco County	FYs 2022-2025
Cypress Creek WF Pumps and Motors	Cypress Creek Wellfield, Pasco County	FYs 2022-2027
Cypress Creek Water Treatment Plant Stationary Generators	Cypress Creek Water Treatment Plant, Pasco County	FYs 2023-2024
Cypress Creek Water Treatment Plant Yard Piping Valves	Cypress Creek Water Treatment Plant, Pasco County	FYs 2023-2027
Eldridge Wilde Wellfield Treatment Improvements	Keller Hydrogen Sulfide Removal Facility, Pinellas County	FYs 2027-2032
Eldridge-Wilde Wellfield Pumps and Motors Replacement	Eldridge-Wilde Wellfield, Hillsborough and Pinellas Counties	FYs 2016-2023
Harney Pump Station Pumps and Motors Replacement	Harney Pump Station, Hillsborough County	FYs 2017-2027
High Service Pump Station Ball Valve Replacement	Regional High Service Pump Station, Hillsborough County	FYs 2016-2026
High Service Pump Station Chemical Piping Replacement	Regional High Service Pump Station, Hillsborough County	FYs 2017-2024
Lake Bridge Chemical Piping Replacement	Lake Bridge Water Treatment Plant, Hillsborough County	FYs 2016-2023
Lake Bridge Pumps and Motors	Lake Bridge Water Treatment Plant, Hillsborough County	FYs 2025-2028
Morris Bridge Booster Station Pumps 1 and 2 Replacement	Morris Bridge Booster Station, Hillsborough County	FYs 2024-2027

Note: Projects have multiple funding sources including Renewal and Replacement, Revenue Bonds, Energy Funds, and Capital Improvement Funds.

Project Name	Location	Date Schedule to Begin - End
Morris Bridge Chemical Piping Replacement	Morris Bridge Booster Station, Hillsborough County	FYs 2022-2026
Morris Bridge Underground Powerline	Morris Bridge Wellfield, Hillsborough County	FYs 2023-2027
Morris Bridge Wellfield Improvements	Morris Bridge Wellfield, Hillsborough County	FYs 2014-2025
Northwest Hillsborough Wellfield Improvements	Northwest Hillsborough Wellfield, Hillsborough County	FYs 2022-2028
Odessa Booster Station Pumps Replacement	Odessa Booster Station, Pasco County	FYs 2025-2028
Repump Station Generator	Regional Facilities Site, Hillsborough County	FYs 2028-2030
Repump Station Variable Frequency Drives	Regional Facilities Site, Hillsborough County	FYs 2024-2027
South Pasco Wellfield and Treatment Improvements	South Pasco Wellfield and Treatment Plant, Pasco County	FYs 2016-2027
South Pasco Wellfield Underground Commercial Powerline	South Pasco Wellfield and Treatment Plant, Pasco County	FYs 2022-2026
Starkey Wellfield Improvements	Starkey Wellfield, Pasco County	FYs 2014-2029
Surface Water Treatment Plant: Renewal and Replacement Program-Placeholder	Surface Water Treatment Plant, Hillsborough County	FYs 2022-2030
Tampa Bay Desalination Plant Belt Filter Press Replacement	Tampa Bay Desalination Water Treatment Plant, Hillsborough County	FYs 2028-2030
Tampa Bay Desalination Plant Piping Replacement	Tampa Bay Desalination Water Treatment Plant, Hillsborough County	FYs 2026-2028
Tampa Bay Desalination Variable Frequency Drives Replacement	Tampa Bay Desalination Water Treatment Plant, Hillsborough County	FYs 2017-2026
Tampa-Hillsborough Interconnect Pump Station	Tampa-Hillsborough Interconnect Pump Station, Hillsborough County	FYs 2028-2030
Tampa Bypass Canal (MLK) Pumps Refurbishment	Tampa Bypass Canal Pump Station, Hillsborough County	FYs 2023-2026

TABLE V- POTENTIAL FACILITIES AVAILABLE TO MEET 20-YEAR WATER SUPPLY NEEDS

Project	Function	Project Type	Potential Capacity	Location	Potential Financing
Tampa Bay Water is currently updating the Long-term Master Water Plan which will identify a short-list of potential new water supply projects that will be considered for future feasibility studies. The 2023 Long-term Master Water Plan will be completed by December 2023.	Potable water supply	System Configuration and Supply Planning	10-20mgd	Multiple	To Be Determined

OVERALL FINANCING FOR EXPANSION PROJECTS

Tampa Bay Water has financed projects through Utility System Revenue Bonds that are secured by a pledge of and lien upon the net revenues derived from the operation of Tampa Bay Water's utility system. Tampa Bay Water is not limited to this method of financing. Tampa Bay Water has also utilized variable rate demand bonds and the Florida Local Government Finance Commission Commercial Paper Loan Program to finance several of its projects on a short-term basis. Certain projects may be funded through rate collection and through capital contributions. Tampa Bay Water has also been successful in securing funds for projects through the Partnership Agreement with the Southwest Florida Water Management District (District). Historically, the District, State and Federal sources have provided funding for the planning and design of alternative water supply projects. Table VI identifies the projects with current grants or co-funding agreements, including the expected funds to be received. Tampa Bay Water plans to seek co-funding for future water supply facilities.

TABLE VI- SWFWMD GRANT FUNDED/CO-FUNDED PROJECTS

Project No.	Project Name	Grant Total
01609	Southern Hillsborough County Supply Expansion: Booster Pump Station (Brandon Booster Station)	\$5,325,000
01610/01616	South Hillsborough Pipeline (Segments A & B)	\$145,054,000
07010	Regional Facility Site Pump Station Expansion	\$1,200,000
07072	Tampa Bypass Canal Gates Automation	\$ 516,000
Totals		\$152,095,000