Board of Directors Ann Hildebrand, Susan Latvala, Neil Brickfield, Scott McPherson, Charlie Miranda, Sandra Murman, Karl Nurse, Ted Schrader, Mark Sharpe

General Manager Gerald J. Seeber

General Counsel Richard A. Lotspeich

2575 Enterprise Road, Clearwater, FL 33763-1102
Phone: 727.796.2355 / Fax: 727.791.2388
www.tampabaywater.org

TAMPA BAY WATER
Supplying Water To The Region

RECEIVED
MAR 0 2 2011
PINELLAS COUNTY
DEPARTMENT OF PLANNING

February 28, 2011

Mr. Brian Smith, Director
Pinellas County Planning Department
315 Court Street
Clearwater, FL 34616

Re: Special District Public Facilities Report – Tampa Bay Water

Dear Mr. Smith:

Enclosed is Tampa Bay Water's Special District Public Facilities Report for March 1, 2011. The Report covers Water Year 2010. Tampa Bay Water is officially submitting this report to the chief planning officials of the Member Governments of Hillsborough, Pasco, and Pinellas counties, and the cities of St. Petersburg, Tampa, and New Port Richey in order to assist them in comprehensive planning efforts. Copies of the report are also being submitted to the principal water system officials of each of Tampa Bay Water's Member Governments, to the Florida Department of Community Affairs, and to the Southwest Florida Water Management District.

This letter and the information contained in the Special District Public Facilities Report is also being provided to assist the Member Governments in the development of your Water Supply Facilities Workplans and can be submitted to the Florida Department of Community Affairs to assist in meeting the requirements of your Workplan.

Tampa Bay Water is a regional water supply authority that provides wholesale water to the Member Governments. Tampa Bay Water is governed by two agreements with the Members, the Amended and Restated Interlocal Agreement (Interlocal Agreement) and the Master Water Supply Contract, which were established in 1998.

Tampa Bay Water has an unequivocal obligation to provide for the wholesale water supply needs of the Member Governments. Tampa Bay Water's Long-term Water Supply Plan and Master Water Plan contain sufficient water supply projects to meet the Member Governments' water needs over the 20-year planning horizon. In addition, the Tampa Bay Water Board of Directors approved System Configuration II of the Master Water Plan in October 2006. System Configuration II is currently

in the final construction phase, with construction scheduled for completion by the end of 2011.

If you have any questions or need any further assistance regarding the information contained in the report, please call me at (727) 796-2355.

Sincerely,

Ivana K. Blankenship
Senior Environmental Planner

Enclosure

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TAMPA BAY WATER
Supplying Water To The Region

Tampa Bay Water

Special District Public Facilities Report

March 1, 2011

Tampa Bay Water
Special District Public Facilities Report
March 1, 2011

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

March 1, 2011

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.

THE MASTER WATER PLAN AND LONG-TERM WATER SUPPLY 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 economically feasible, technically sound, and environmentally sustainable. In November 1998, the Board approved System Configuration I of the Master Water Plan for implementation. All of these projects, including the Enhanced Surface Water System, the Brandon Urban Dispersed Wells, the C.W. Bill Young Regional Reservoir, and Tampa Bay Desalination plant have been completed. This $680 million program was co-funded by the Southwest Florida Water Management District in the amount of $183 million.

The Master Water Plan also includes public information and involvement along with an aggressive demand management component to reduce anticipated demand across the region. Tampa Bay Water worked closely with its Member Governments to ensure that projected average annual demand was reduced by 10 millions of gallons per day by 2000, and that a total demand reduction of 18 mgd was achieved by 2005. Current estimates anticipate that a total reduction of 30 mgd will be achieved by 2012.

System Configuration II of the Master Water Plan is now under construction by Tampa Bay Water. All projects within System Configuration II are scheduled to be completed by the end of 2011. This program involves expanding the delivery capacity of Tampa Bay Water's Regional Surface Water Treatment Plant to an annual average capacity of up to 90-99 mgd, when surface water is available. In addition, pumping capacity, transmission capability and piping is being added to existing infrastructure to enable the higher flows to be captured and increase the use of Tampa Bay Water's 15.5 billion gallon C.W. Bill Young Regional Reservoir, resulting in an overall benefit to regional water supply.
System Configuration II will provide an environmentally sound and economically feasible supply. It is estimated that it will meet the Member Governments' water supply needs beyond 2020.

In February 2007, the District Governing Board and Tampa Bay area Basin Boards approved a Cooperative Funding Agreement with Tampa Bay Water for System Configuration II. In the Agreement, the District and Basin Boards will fund 50% of eligible project costs up to $116 million. The magnitude of the financial commitment necessary to undertake alternative water supply development means that the District's financial commitment for alternative water supply purposes is both necessary and beneficial. The approval of the Cooperative Agreement for System Configuration I and II shows that a real difference can be made across the state in how potable water supply is developed when the water management districts and regional water supply authorities work together.

The Board of Directors finalized its first Future Needs Analysis in September 2003. This detailed analysis helps determine the capacity and timing of future supplies needed by comparing existing supply sources and their expected future production reliability, to probabilistic-based future water supply demand projections. The purpose of the Future Needs Analysis is to determine the timing and quantity of supply needs. Using this information, construction can be optimized so that projects are completed on time with limited future rate impacts, while assuring that demands are met. Tampa Bay Water updates major components of the Future Needs Analysis on an annual basis and uses this tool to confirm the schedule of its water supply development program. Tampa Bay Water is currently updating the full Future Needs Analysis and will complete this effort by the end of 2012.

An update to the Long-Term Water Supply Plan and the Master Water Plan is conducted every five years. In 2007, the comprehensive project list was updated and over 300 projects were evaluated based on public input and with the advice of a Planning Advisory Committee. Every project in the Southwest Florida Water Management District's Regional Water Supply Plan was again considered. The Tampa Bay Water Board approved the update to the Long-Term Water Supply Plan and the Master Water Plan in December 2008. As outlined below, the Board directed that three policy planning areas and six projects be further studied. The major alternative water supply project ideas in the District's Regional Water Supply Plan are included in the updated Master Water Plan. Background information on the update to the Long-Term Water Supply Plan can be found on Tampa Bay Water's planning website www.futurewater.org. When the Future Needs Analysis is complete, the agency will evaluate the timing and capacity of need for new

water supply infrastructure. This will guide development of System Configuration III of the Master Water Plan.

Board-Approved Master Water Plan Activities

- Protect Current Supply
  - Create a Source Water Protection Plan
  - Continue to assess climate variability

- Conserve Current Supply
  - Update the Demand Management Plan – work with Members to update the Plan

- Regional Reclaimed Water Planning –provide regional planning assistance as requested by the Members

- Develop Future Supply
  - Master Water Plan – continue study of potential projects:
    - Surface & Recharge Water Projects
    - Gulf Coast Seawater Desalination Plant
    - Small Footprint Reverse Osmosis in Pinellas County
    - Tampa Bay Seawater Desalination Plant Expansion
    - Additional Potable Groundwater From Existing Northern Tampa Bay Wellfields
    - Thonotosassa Wells
  - Continue inter-regional coordination

TABLE I
EXISTING WATER SUPPLY FACILITIES

Facility	Current PermittedCapacityy Annual Average (mgd)	Current Water Use Permit	Location
Cosme-Odessa Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2011. Expires January 25, 2021. Permittee - Tampa Bay Water	Northwest Hillsborough County, along Racetrack Road and Gunn Highway. 19 dispersed wells.
Cross Bar Ranch Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2011. Expires January 25, 2021. Permittee - Tampa Bay Water	North-Central Pasco County, east of US 41, north of SR 52 and south of CR 578. 17 dispersed wells.
Cypress Bridge Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2011. Expires January 25, 2021. 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 dispersed wells.
Cypress Creek Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2011. Expires January 25, 2021. Permittee - Tampa Bay Water	Central Pasco County, east of US 41 and CR 583, south of SR 52, north of SR 54. 13 dispersed wells, pump station site and storage facilities.
Morris Bridge Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2011. Expires January 25, 2021. Permittee - Tampa Bay Water	North-Central Hillsborough County. 20 dispersed wells.
Eldridge-Wilde Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2011. Expires January 25, 2021. Permittee - Tampa Bay Water	Northeast corner of Pinellas County and northwest corner of Hillsborough County at the Pasco County line. 34 dispersed wells.
North Pasco Regional Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2011. Expires January 25, 2021. Permittee - Tampa Bay Water	West-Central Pasco County, immediately south of SR 52 and east of CR 587. 2 dispersed wells.

***The eleven Consolidated Permit Wellfields Water Use Permit compliance is assessed on a 12-month running average basis at a quantity of 90 mgd, with compliance assessed on the first day of each calendar month. Tampa Bay Water's Optimized Regional Operations Plan (OROP) controls pumpage based on cutback restrictions and current environmental conditions.**

TABLE I (Cont.)
EXISTING WATER SUPPLY FACILITIES

Facility	Current Permitted Capacity Annual Average (mgd)	Current Water Use Permit	Location
Northwest Hillsborough Regional Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2011. Expires January 25, 2021. Permittee - Tampa Bay Water	Northwest Hillsborough County, along Gunn Hw and south of CR 589. 7 dispersed wells and 2 subdivision wells (Crystal Lake Manor).
Section 21 Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2011. Expires January 25, 2021. 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. 5 dispersed wells.
South-Central Hillsborough Regional Wellfield	24.10	WUP 204352.006 issued November 26, 2007. Expires December 31, 2020. Permittee - Tampa Bay Water	Southeast Hillsborough County, in the vicinity of Lithia-Pinecrest, Keysville and Nichols Roads. 17 dispersed wells.
South Pasco Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2011. Expires January 25, 2021. Permittee - Tampa Bay Water	South-Central Pasco County, south of SR 54. 8 dispersed wells.
Starkey Wellfield	Consolidated Permit Wellfield*	Consolidated Water Use Permit Issued January 25, 2011. Expires January 25, 2021. Permittee - Tampa Bay Water	West Pasco County, between SR 54 and SR 587. 14 dispersed wells.
Brandon Urban Dispersed Wells	6	WUP 20011732.003 expires November 20, 2019. In May 2008, one well has been abandoned. Remaining wells are meeting the annual average capacity. Replacement well has been constructed and permitted; construction of collection main to interconnect the replacement well will be completed in 2012. Permitee-Tampa Bay Water	South-Central Hillsborough County, south of SR 54, north of Durant Road. 5 dispersed wells, 4 currently interconnected and active.
Eagles Wells	0.198	WUP 206312.03. Expires September 3, 2017. Permittee - Tampa Bay Water	Northwest Hillsborough County, north of Race Track Road, west of Boy Scout Road. 2 dispersed wells.
Carrollwood Wells	0.82	WUP 20005886.003. Expires December 31, 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	110	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.

Regional Surface Water Treatment Plant Expansion	99 mgd average day treatment capacity	Not Applicable	Central Hillsborough County, south of Columbus Drive extension.
Regional High Service Pump Station Expansion	135	Not Applicable	Central Hillsborough County, south of Columbus Drive extension.
Repump Station Expansion	180	Not Applicable	Central Hillsborough County, south of Columbus Drive extension.

***The eleven Consolidated Permit Wellfields Water Use Permit compliance is assessed on a 12-month running average basis at a quantity of 90 mgd, with compliance assessed on the first day of each calendar month. Tampa Bay Water's Optimized Regional Operations Plan (OROP) controls pumpage based on cutback restrictions and current environmental conditions.**

TABLE I (Cont.)
EXISTING WATER SUPPLY FACILITIES

Facility	Current Permitted Capacity	Current Water Use Permit	Location
	Annual Average (mgd)		
Lake Bridge Water Treatment Plant	6.9	N/A	North-Central Hillsborough County at Hillsborough-Pasco County Line.
South Pasco Water Treatment Plant	28	N/A	South Pasco County
Morris Bridge Booster Pump Station	30	N/A	East of I-75 and Bruce B. Downs Boulevard.
Tampa Bypass Canal @ Harney Road Pumping Station	20	WUP 206675.05 issued June 26, 2001. Expires June 26, 2011. Permitee-Tampa Bay Water	Central Hillsborough County. Tampa Bypass Canal at Harney Road.
Tampa/Hillsborough Interconnect Pump Station	15	N/A	Northwest Hillsborough County, north Tampa area.
System Interconnect: South-Central Hillsborough Infrastructure Project (Phase 2)	9.24	N/A	South-Central Hillsborough County
Tampa Bypass Canal Water Supply	259	WUP 20011796.002. Expires December 31, 2030.	Tampa Bypass Canal at Martin Luther King Boulevard in Hillsborough County.
Alafia River Pump Station	52	WUP 20011794.01. Expires December 31, 2010. Renewal application submitted to District on May 20, 2010-status: under review. Permittee - Tampa Bay Water	Bell Shoals Road at the Alafia River in Hillsborough County.
Tampa Bay Regional Water Treatment Facilities	120	N/A	Southeast corner of Broadway and U.S. 301 in Hillsborough County.
Tampa Bay Desalination Plant	28.75	N/A	Apollo Beach area, Hillsborough County.
C.W. Bill Young Regional Reservoir	15.5 billion gallons	N/A	South Hillsborough County between CR 39 and Boyette Road.

***The eleven Consolidated Permit Wellfields Water Use Permit compliance is assessed on a 12-month running average basis at a quantity of 90 mgd, with compliance assessed on the first day of each calendar month. Tampa Bay Water's Optimized Regional Operations Plan (OROP) controls pumpage based on cutback restrictions and current environmental conditions.**

TABLE II
EXISTING PIPELINES

Facility	Diameter	Material	Length	Location	Comments
Cypress Creek Transmission Main	84" 84" 72" 66" 64" 60" 42"	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 Interface 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, 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 & 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 southeasterly 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" & 64") pipeline route travels southeasterly from the Cypress Bridge Wellfield to the Topp of Tampa 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.	These transmission mains connect 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.
Morris Bridge Transmission Main	64"	DIP	19,400'	The pipeline route generally travels along the western side of Trout Creek to the Cypress Bridge Wellfield.	The pipeline connects the Morris Bridge Booster Pump Station to the Cypress Bridge Transmission Main. This project interconnects the City of Tampa's Morris Bridge Water Treatment Plant and the Regional System.
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 carry raw water from the North Pasco Wellfield to the Starkey Wellfield. Water is then delivered to New Port Richey's George Maytum Water Plant and Pasco County's Water Treatment Plant.

* PCCP Prestressed Cylindrical Concrete Pipe
WSP Welded Steel Pipe
DIP Ductile Iron Pipe
RCP Reinforced Concrete Pipe
CI Cast Iron
HDPE High Density Polyethylene

TABLE II (Cont.)
EXISTING PIPELINES

Facility	Size	Material*	Length	Location	Comments
Keller Connector Transmission Main	64"	WSP	8,129'	The pipeline connects the Cypress Creek Transmission Main at the Pinellas/Pasco County border and travels due south to Pinellas County's Keller Water Treatment Plant site.	The pipeline carries treated water from the Cypress Creek Water Treatment Plant in Pasco County to Pinellas County's distribution system.
Northwest Hillsborough Transmission Main	36" 30" 24" 16"	PCCP PCCP PCCP DIP	17,300' 10,700' 4,400' 13,052'	The pipeline route has two branches, both originating from the Northwest Hillsborough Regional Wellfield (NWHRW). The first travels northwesterly, roughly paralleling Gunn Highway (CR 587) from Anderson Road to Manhattan Dr. The second branch travels easterly from Sheldon Road (CR 589) to Gunn Highway.	These mains carry raw water from the Northwest Hillsborough Regional Wellfield to Hillsborough County's Northwest Hillsborough Potable Water Facility. Transmission main construction was completed in 1985.
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 westerly 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.
Sheldon Road Transmission Main	30"	DIP	6,000'	The route travels westerly from NWH Well #2 to Hillsborough County's Northwest Hillsborough Potable Water Facility, west of Sheldon Road.	The transmission main carries raw water from the Northwest Hillsborough Regional Wellfield to the Northwest Hillsborough Potable Water Facility. Transmission main construction was completed in 1993.
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 transmission 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.

* PCCP Prestressed Cylindrical Concrete Pipe
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DIP Ductile Iron Pipe
RCP Reinforced Concrete Pipe
CI Cast Iron
HDPE High Density Polyethylene

TABLE II (Cont.)
EXISTING PIPELINES

Facility	Size	Material*	Length	Location	Comments
South Pasco Transmission Main	42" 36" 30"	RCP PCCP PCCP	59,580' 4,200' 3,136'	Travels south from the South Pasco Wellfield 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"	WSP	67,330'	The pipeline route travels south from the Tampa Bay Regional Facilities site at U.S. 301/Broadway 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 excess 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 Regional Surface Water Treatment Plant (SWTP).
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 Regional Facilities site.	Transmission of product water to Tampa Bay Water's Regional Facilities site.
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-Odessa Wellfield.	This transmission main links dispersed wells in the Cosme-Odessa Wellfield to the collector main for the facility.
Cosme-Odessa Collection Mains	42" 36"	PCCP PCCP	6,600' 6,600'	Located within the Cosme-Odessa Wellfield Property.	These are the collection main transmission lines for the Cosme-Odessa Wellfield.
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.

* PCCP Prestressed Cylindrical Concrete Pipe
WSP Welded Steel Pipe
DIP Ductile Iron Pipe
RCP Reinforced Concrete Pipe
CI Cast Iron
HDPE High Density Polyethylene

TABLE II (Cont.)
EXISTING PIPELINES

Facility	Size	Material*	Length	Location	Comments
Morris Bridge Wellfield Transmission Mains and Collection Mains	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.
Section 21 to Cosme-Odessa Wellfield Transmission Main	42" 36"	PCCP PCCP	24,000' 5,280'	This pipeline travels between the Section 21 Wellfield to the Cosme-Odessa Wellfield along Van Dyke Road.	This transmission main links the Section 21 Wellfield to the Cosme-Odessa Wellfield.
Brandon Transmission Main	36" 30" 16" 12" 10" 8"	DIP DIP DIP DIP DIP DIP	28,000' 30,000' 600' 5,600' 1,350' 6,000'	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.
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 Regional Facilities site.	This transmission main transports surface water to the Tampa Bay Regional Facilities site for treatment at the Tampa Bay Surface Water Treatment Plant.

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TABLE II (Cont.)
EXISTING PIPELINES

Facility	Size	Material*	Length	Location	Comments
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.
Eagles Wells Collection Mains	8"	DIP	15,550'	Located in Northwest Hillsborough County.	These main collects water from the Eagles Wells and delivers it to the Cosme-Odessa Wellfield.
Brandon/South-Central Connection	30"	DIP	33,300'	Located in South-Central Hillsborough County.	This transmission main connects the Brandon Urban Dispersed Wells transmission main to the Lithia Water Treatment Plant site.
Regional Reservoir Transmission Main	84"	WSP	42,240'	Located in South Hillsborough County.	This transmission main 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 Project 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 Starkey and North Pasco Wellfields.
Carrollwood Collection Main	10" 12"	DIP DIP	4,080' 17,003'	Located in Northwest Hillsborough County	This transmission main connects the Carrollwood wells to the Northwest Hillsborough collector main.
Central Pasco Infrastructure Project	Not App.	DIP	Not Applicable	Located in Central Pasco County	Increase capacity of delivery to Pasco County system
Point of Connection Improvement for Central Hillsborough County	36"	DIP	Not Applicable	Located in Tampa Bay Regional Facility Site in Hillsborough County	New connection point to provide water to Hillsborough County from regional system.
Point of Connection Addition for City of Tampa	36"	DIP	Not Applicable	Located in Tampa Bay Regional Facility Site in Hillsborough County	New connection point to provide water from regional system to City of Tampa.
Northwest Hillsborough Well #7 Connection	24" 24" 12" 12"	DIP HDPE DIP HDPE	4,630' 5,311' 1,705' 383'	Northwest Hillsborough County	Interconnecting NWH Well #7 to the Section 21 Wellfield pipeline.
System Interconnect: South-Central Hillsborough Infrastructure Project	24" 24" 20" 20"	DIP HDPE DIP HDPE	1,774' 992' 8,772' 6,110'	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	The pipeline interconnects Brandon Urban Dispersed Wells (BUDW) 2, 4 and 6 to the BUDW 5 Chloramination facility and then carries potable water to the Brandon TM.

TABLE II (Cont.)
EXISTING PIPELINES

Pipeline (Phase 2)	12" 10" 10"	DIP DIP HDPE	266' 3,156' 2,097'	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.	

* PCCP	Prestressed Cylindrical Concrete Pipe
WSP	Welded Steel Pipe
DIP	Ductile Iron Pipe
RCP	Reinforced Concrete Pipe
CI	Cast Iron
HDPE	High Density Polyethylene

Note: Facilities listed do not include information on pipeline appurtenances such as valves, electronic monitoring equipment, and flow measuring devices.

TABLE III

FACILITIES TO BE BUILT, IMPROVED, OR EXPANDED THROUGH 2016

Facility	Function	Size	Potential Capacity	Projected Construction Start – End Dates	Location	Financing
Northwest Hillsborough Pipeline Project	Regional System Delivery Point for Hillsborough County	36" pipeline	Not less than 15 mgd of transmission capacity	January 2010 April 2011	Northwest Hillsborough County	Revenue Bonds and SWFWMD and State Funding
Cypress Creek Pump Station Expansion	Regional System Delivery Pressurization	Additional pumping capacity	Not less than 165 mgd of pumping capcity	April 2009 April 2011	Central Pasco County	Utility Bonds and SWFWMD and State Funding
Lithia Hydrogen Sulfide Treatment Plant (SCHIP Phase 3)	Control hydrogen sulfide in water delivered from South-Central Hillsborough Wellfield	N/A	44.6 mgd of treatment capacity	April 2011 October 2012	South-Central Hillsborough County	Utility Bonds
BUD-5R Collection Main	Interconnect replacement production well BUD-5R	To be determined, potentially 16"	2 mgd	December 2010 May 2012	South-Central Hillsborough County	Utility Bonds
Tampa Bypass Canal Pump Station Expansion	Withdrawal of water from the Tampa Bypass Canal and delivery to the Regional Facilities Site	N/A	Not less than 200 mgd of pumping capacity	September 2008 May 2011	Central Hillsborough County	Utility Bonds and SWFWMD and State Funding
Offstream Reservoir Pump Station	Increase capacity of delivery of water from the Regional Reservoir to the SWTP	N/A	Not less than 120 mgd of pumping capacity	November 2009 June 2011	South Hillsborough County	Utility Bonds and SWFWMD and State Funding
South-Central Hillsborough Intertie Booster Station	Increase capacity of flows in the South-Central Hillsborough Intertie	N/A	Not less than 180 mgd of pumping capacity	November 2009 July 2011	South-Central Hillsborough County	Utility Bonds and SWFWMD and State Funding
Cosme Treated Water Interconnection	Receive treated water from Cosme WTP to the Cosme 66" transmission main	48"	13.9 mgd	July 2011- December 2011	Cosme Water Treatment Plant	Capital Improvement Funds

TABLE V
POTENTIAL FACILITIES AVAILABLE TO MEET 2021-2032 WATER SUPPLY NEEDS

Project	Function	Project Type	Potential Capacity	Location	Potential Financing
Configuration III potential projects include: - Surface & Recharge Water Projects - Gulf Coast Desalination - Small Footprint Reverse Osmosis-Pinellas County - Tampa Bay Desalination Plant Expansion - Additional Potable Groundwater From Existing Northern Tampa Bay Wellfields - Thonotosassa Wells -	Potable water supply	System Configuration III	To be determined*	Various locations	Revenue Bonds, SWFWMD and Basin Board Funding, State Funding, Federal Funding

*Timing and Capacity of Need to be updated following completion of the Future Needs Analysis.

OVERALL FINANCING

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 is also utilizing variable rate demand bonds and has utilized 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 over $57 million in Federal Funds for the C.W. Bill Young Regional Reservoir project and secured $183 million through the Partnership Agreement with the Southwest Florida Water Management District (District) to assist in the development of eligible projects for System Configuration I. The District, State and Federal sources have provided funding for planning and design of alternative water supply projects. The District funded $11.25 million for design and construction of the West Pasco Infrastructure Project. The District and the northern Tampa Bay Basin Boards have approved 50% co-funding (in an amount up to $116 million) for System Configuration II. Tampa Bay Water will also seek co-funding for System Configuration III.