TAMPA BAY WATER
Supplying Water To The Region

2575 Enterprise Road, Clearwater, FL 33763
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tampabaywater.org

Board of Directors
Ron Oakley
Harry Cohen
Chopper Davis
Dave Eggers
Lisset Hanewicz
Jack Mariano
Charlie Miranda
Brian Scott
Joshua Wostal

General Manager
Charles H. Carden

General Counsel
Barrie S. Buenaventura
Conn & Buenaventura, P.A.

BOARD AGENDA

February 26, 2024 – 9:30 AM

REGULAR MEETING

OPEN TO THE PUBLIC

PUBLIC COMMENT
The Tampa Bay Water Board of Directors welcomes comments from the public about any issue of concern. Opinions provide valuable input to the board members. However, we request that public comments be directed to issues and not directed personally against any board member or staff member. This provides a mutual respect between the board members and the public.

Public comment may be provided in person, via teleconference during the public comment portion of the meeting, or by submitting written comments to be read into the record. Anyone wishing to speak in person must submit a completed speaker card to the Agency Clerk prior to the beginning of the meeting. To submit written comment or to participate via teleconference, please contact Krista Simon at 727-791-2347 or ksimon@tampabaywater.org by 4:00 p.m. on February 23, 2024. Each speaker shall have a maximum of three (3) minutes to address the Board on any matter on the agenda.

The next Board Meeting is scheduled to be held on Monday, March 18, 2024 at 9:30 a.m.

ACCOMMODATIONS
Anyone requiring reasonable accommodations for this meeting as provided for in the Americans With Disabilities Act should contact the Records Department at 727-249-0146 or 813-996-7009 at least three working days prior to the public meeting. If a person decides to appeal any decision made by the Board, with respect to any matter considered at this meeting, he/she will need a record of the proceedings, and for such purposes, he/she may need to ensure that a verbatim record of the proceedings is made, such record includes the testimony and evidence upon which the appeal is to be based.

Regular Meeting Agenda

MONDAY, FEBRUARY 26, 2024 – 9:30 AM

9:30 AM - CALL TO ORDER

PLEDGE OF ALLEGIANCE

ROLL CALL

PUBLIC COMMENT - (3 Minutes per speaker)

AGENDA

A. CONSENT ITEMS

A.1 January 22, 2024 - Regular Meeting - Draft Agenda Minutes - *Approve*

A.2 Tampa Bay Water Performance Dashboard Update - *Receive Report*

A.3 Regional Water Supplies, Member Demands and Environmental Conditions - *Receive Report*

A.4 South-Central Hillsborough County Program Update - *Receive Report*

A.5 Water Quality Update - *Receive Report*

A.6 Energy Management Program - *Receive Report*

A.7 Capital Improvements Program Executive Quarterly Report - *Receive Report*

A.8 Capital Improvement Program - Task Order Authorization - *Approve*

A.9 Surface Water Treatment Plant Expansion, Project No. 01014, Project Status Report - *Receive Report*

A.10 Professional Services Contract - As-Needed Systems Utility Management Services Contract No: 2022-019, Approve Task Order - *Approve*

A.11 Agreement No. 2021-008 with the University of Central Florida for Integrated Hydrologic Model Improvements - Second Amendment to Authorize Additional Work and Extend Agreement - *Approve*

A.12 Sole-Source Procurement for Analytical Equipment, Replacement Parts and Consumable Supplies, SSP 2024-508 with Hach Company - *Approve*

A.13 Clearwater Administration Building Parking Lot Expansion, Project 01620 - Environmental Resource Permit Program Permit Application - *Approve*

A.14 2045 System Hydraulic and Emergency Scenario Analysis Report, Project 11023, Contract No. 2022-001 Task Authorization - *Approve*

A.15 As-Needed Analytical Laboratory Services Contract No. 2022-037 with Pace Analytical Services, LLC - Price Escalation and Year Two Renewal Option - *Approve*

A.16 As-Needed Professional Services Agreement - First Amendment to Contract No. 2022-034 for Assignment to Environmental Science Associates Corporation - *Approve*

A.17 Fiscal Year 2023 Year-end Reporting of Encumbered and Unencumbered Funds Transfers - *Receive Report*

A.18 General Manager's Quarterly Travel Report - *Receive Report*
A.19 Contract Option Year Renewal(s) - *Approve*

REGULAR AGENDA

B. GENERAL MANAGER & GENERAL COUNSEL

B.1 Legislative and Grant Funding Program Update - *Receive Report*
B.2 General Manager's Report - *Receive Report*

C. ACTION ITEMS

C.1 South Hillsborough County Water Supply - Agreement for Payment and Water Right Transfer Between Suburban Land Reserve, Inc. and Tampa Bay Water - *Approve*
C.2 South Hillsborough County Water Supply - Balm Farm Water Use Permit Modification - Increase Annual Average Permit Quantity - *Approve*

D. PRESENTATIONS & REPORTS

D.1 Reports of Certified Public Accountants Regarding Financial Statements for the Year Ended September 30, 2023 - *Presentation*
D.2 Annual Demand Forecast Update and Evaluation - *Presentation*
D.3 2020 Performance and Management Audit Update - *Presentation*

E. OTHER ADMINISTRATIVE MATTERS AND OLD BUSINESS

E.1 Election of Officers - Board Organizational Action - *Approve*

F. RECEIVE & FILE

F.1 Agency Division Activity Reports for January 2024 - *Receive Report*
F.2 Legal Services Activity Report for January 2024 - *Receive Report*
F.3 Legal Services Budget Report for January 2024 - *Receive Report*
F.4 Investment Schedules for December 2023 - *Receive Report*
F.5 Comprehensive Check List with Delegated Check Approval Items for December 2023 - *Receive Report*
F.6 Disposition of Fixed Assets through December 2023 - *Receive Report*
F.7 Vendor's Status Report for December 2023 - *Receive Report*
F.8 Management Statistics Report with Aged Accounts Receivable as of December 31, 2023 - *Receive Report*
F.9 True Up of Fixed Costs between Member Governments for December 2023 - *Receive Report*
F.10 Financial Statement - December 2023 - *Receive Report*

ADJOURNMENT

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.1

DATE: February 1, 2024

TO: Board of Directors

FROM: Charles H. Carden, General Manager

SUBJECT: January 22, 2024 - Regular Meeting - Draft Agenda Minutes - *Approve*

SUMMARY

On January 22, 2024, Tampa Bay Water's Board of Directors held its Regular Board Meeting. A quorum of the Board of Directors of Tampa Bay Water met in person at the Clearwater Administrative Offices.

SUGGESTED ACTION

Approve Minutes.

COST/FUNDING SOURCE

N/A

DISCUSSION

Draft minutes are attached for the Board's review and approval.

Attachment (1)

January 2024 Board Meeting Minutes DRAFT

AGENDA ITEM A.1

Tampa Bay Water

Regular Meeting

January 22, 2024 Minutes

9:30 AM - CALL TO ORDER

Present:	Chairman - Commissioner Ron Oakley, Pasco County Vice Chairman - Harry Cohen, Hillsborough County Mayor Chopper Davis, City of New Port Richey Commissioner Dave Eggers, Pinellas County Council Member Lisset Hanewicz, City of St. Petersburg Commissioner Jack Mariano, Pasco County Councilman Charlie Miranda, City of Tampa Commissioner Brian Scott, Pinellas County
Absent:	Commissioner Joshua Wostal, Hillsborough County
Staff:	Chuck Carden, General Manager
Presenters:	Chuck Carden, General Manager Warren Hogg, Chief Science Officer Brant Bartlett, Governmental Affairs Program Manager Brandon Moore, Public Communications Manager Barrie Buenaventura, General Counsel Paul Stanek, Chief Operating Officer Amelia Brown, Demand Management Program Manager Steve Fleischacker, Water Quality Services Senior Manager Peter M. Dunbar, Jones Walker, LLP Matthew Blair, Corcoran Partners John Palenchar, St. Petersburg Water Resources Director
General Counsel:	Barrie Buenaventura, General Counsel

A list of others who were present and who signed the attendance roster was filed in the permanent files of Tampa Bay Water. Staff and consultants presenting to the Board are listed above.

DRAFT

Chairman Oakley called the meeting to order at 9:31 a.m. The meeting was properly noticed in the Florida Administrative Register and a quorum present.

PLEDGE OF ALLEGIANCE

Vice Chairman Cohen led the Pledge of Allegiance.

ROLL CALL

Roll call was taken. Commissioner Wostal was not present.

PUBLIC COMMENT - (3 Minutes per speaker)

Chairman Oakley opened the regular meeting to public comment. The following speaker(s) made public comment to the Board of Directors:

David Ballard Geddis, Jr.

Public comment was duly recorded and is filed in the permanent records of Tampa Bay Water.

AGENDA

A) CONSENT ITEMS

A.1 November 13, 2023 - Regular Meeting - Draft Agenda Minutes
Approve Minutes.

A.2 Tampa Bay Water Performance Dashboard Update
Receive Report.

A.3 2020 Management and Performance Audit Task Update
Receive Report.

A.4 Regional Water Supplies, Member Demands and Environmental Conditions
Receive Status Report.

A.5 South-Central Hillsborough County Program Update
Receive Status Report.

A.6 Capital Improvement Program - Projects Closeout
Approve Project Closeout.

A.7 Capital Improvements Program - Task Order Authorization
Approve Task Orders.

A.8 Surface Water Treatment Plant Expansion, Project No. 01014, Project Status Report
Receive Status Report.

A.9 Cooperative Funding Agreement No. 22CF0003743 between the Southwest Florida Water Management District and Tampa Bay Water - First Amendment
Approve the First Amendment to Cooperative Funding Agreement No. 22CF0003743.

A.10 Special Counsel Contract with Jones Walker, LLP
Approve Special Counsel contract with Jones Walker, LLP.

A.11 As-needed Planning and Systems Decisions Support Professional Services, Contract No. 2020-017 with GSI Environmental, Inc. - Second Amendment
Approve the Second Amendment to Contract 2020-017 with GSI Environmental, Inc. to increase the total contract value from $1,250,000 to $1,500,000.

A.12 Columbus Drive Land Exchange - Delegation of Authority to Board Chair for Eastshore Plat
Delegate authority to the Board Chair to sign and execute the final Eastshore Plat on behalf of the Board of Directors of Tampa Bay Water.

A.13 Sole-Source Procurement for Bailey Valve Inc. Parts and Services, SSP #2024-509 with Fluid Control Specialties, LLC
Approve Sole-Source Procurement for Bailey Valve Inc. Parts and Services, SSP# 2024-509 with Fluid Control Specialties, LLC.

A.14 Fleet Management Contract with Enterprise F M Trust - Fiscal Year 2024 - Purchase Fleet Vehicle
Approve purchase of one additional ¾ ton truck with work body, within the existing contract and budget amounts already approved by the Board.

Chairman Oakley announced the Consent Agenda and asked if any agenda items should be pulled for discussion. Chuck Carden, General Manager, stated there were no items to be pulled.

Motion: Vice Chairman Cohen moved to Approve Consent Items. Council Member Hanewicz seconded the motion.

Vote: The motion CARRIED by a vote of 8 - 0.

REGULAR AGENDA

B) GENERAL MANAGER & GENERAL COUNSEL

B.1 Legislative and Grant Funding Program Update
Receive Status Report.

Brant Bartlett, Government Affairs Program Manager, introduced Peter Dunbar, Jones Walker, and Matthew Blair, Corcoran Partners, to provide an update on the current 2024 Florida Legislative Session. Mr. Dunbar updated the Board on pertinent bills before the Legislature that may impact the agency such as saltwater intrusion effects on water wells, wastewater discharge, evaluation and quality standards for PFOS, and reauthorization and performance standards for special districts. Mr. Dunbar turned the presentation over to Mr. Blair to provide an update on appropriations. Mr. Blair stated the appropriations process is moving very fast and it is anticipated that budgets in the House and Senate will come out this week. Mr. Blair provided an update on the agency's funding request for the Surface Water Treatment Plant Expansion. Mr. Blair noted that up until the last two years, the State was providing about $500 million in member projects per year. Due to increased sales tax collection the figure has grown over the last two years to $2.5 billion a year in projects. However, they are hoping to return it back closer to $500 million.

A copy of the full report can be found in the agency's Records Department.

No Board action was required on this item.

B.2 Source Water Protection Mini-grant Program Awards
Receive update and award source water protection mini-grants for fiscal year 2024 to the Florida Aquarium, Girl Scouts of West Central Florida and Tampa Bay Kayak Anglers.

Brandon Moore, Public Communications Manager, provided a brief presentation on the 2023 mini-grant winners and announced the Source Water Protection Mini-grant Program Awards for fiscal year 2024 to: Florida Aquarium, Girl Scouts of West Central Florida, and Tampa Bay Kayak Anglers. The mini-grant winners each provided a brief presentation to the Board.

Council Member Hanewicz suggested expanding the program in the future.

A copy of the full report can be found in the agency's Records Department.

No Board action was required on this item.

B.3 Withlacoochee River Electric Cooperative, Inc. - Capital Credits Refund
Receive Capital Credits refund check.

Chuck Carden, General Manager, provided a brief presentation on Withlacoochee River Electric Cooperative, Inc. (Cooperative) Capital Credit Refunds. Mr. Carden explained at the end of each year, the Cooperative allocates a pro rata share of its margins back to its members. The Cooperative has a long-standing relationship with Tampa Bay Water and forwarded a check in the amount of $97,343.18 to Tampa Bay Water representing the 2022 Capital Credits Refund.

A copy of the full report can be found in the agency's Records Department.

No Board action was required on this item.

B.4 General Counsel Services - Contract No. 2024-002 with Persson Cohen Mooney Fernandez & Jackson, P.A.
Approve General Counsel Services contract with Persson Cohen Mooney Fernandez & Jackson, P.A.

Barrie Buenaventura, General Counsel, provided a brief presentation on the General Counsel Services Contract. Ms. Buenaventura stated the Board selected the law firm of Persson Cohen Mooney Fernandez & Jackson, P.A. as the new General Counsel. The Contract has a term of one year beginning on March 1, 2024, with a monthly retainer fee of $24,750.

A copy of the full report can be found in the agency's Records Department.

Motion: Council Member Hanewicz moved to Approve General Counsel Services Contract with Persson Cohen Mooney Fernandez & Jackson, P.A. Commissioner Eggers seconded the motion.

Vote: The motion CARRIED by a vote of 8 - 0.

B.5 General Manager's Report
Receive Status Report.

Chuck Carden, General Manager, provided an update on current agency activities and events. Mr. Carden reported on key factors in the upcoming Fiscal Year 2025 (FY25) budget which include water source selection, rotation and balance, and funding feasibility studies for future water supply sources. Staff will bring the proposed budget to the Board in April. Staff continue to work to complete the annual demand projections for the FY25 budget and will be meeting with member government staff to ensure agreement. Discussions continue regarding the potential South Hillsborough Wellfield and negotiations on a long-term, 30-year agreement

for aquifer recharge credits with Hillsborough County from their reclaimed water injection. Currently, staff are preparing a request to the Southwest Florida Water Management District (District) for an emergency order to allow the agency to increase the withdrawal from the Alafia River to 19% of flows above the established Minimum Flow in that river. The maximum withdrawal of 60 million gallons per day (mgd) will not change. The District declared a modified Phase 1 Water Shortage at its November 14 Governing Board meeting that restricts outdoor irrigation to one day per week. With recent rain and water restrictions, demands have reduced by an average of 33 mgd. The recent rains have also allowed Tampa Bay Water to use more water from the rivers and less water from the reservoir. Mr. Carden stated the agency needs continued conservation support, restriction enforcement and continued rainfall this winter. Tampa Bay Water delivered an average of 191.15 mgd in December. The Consolidated Wellfield Permit 12-month-running-average was 88.54 mgd at the end of December. The Regional Surface Water Treatment Plant averaged 103.70 mgd in December. Currently, the reservoir is at 7.3 billion gallons. The City of Tampa purchased 6.89 mgd in the month of December. The 12-month running average pumping rate from the South-Central Hillsborough Regional Wellfield was 27.59 mgd at the end of December. The Brandon Booster Station went on-line in early January. Mr. Carden turned the presentation over to Warren Hogg, Chief Science Officer to provide more details.

Mr. Hogg stated the El Niño climate pattern is established, and the Tampa Bay area received normal rainfall in November and approximately 1 inch more than normal in December; however, the drought conditions still remain. The recent rains have helped to sustain river flows and reduce demands, but the Tampa Bay area remains in a Stage 1 Water Shortage Condition. The area experienced a 12-month rainfall deficit of 9.3 inches and the 12-month Hillsborough River flow was a 9.1 mgd deficit at the end of December. Mr. Hogg stated for the first three months of FY24, Tampa Bay Water delivered an average of 204.58 mgd to the members which is 18% higher than the first three months in FY23. There are two regional supply conditions being managed as we plan for the remainder of Fiscal Year 2024: the Regional Reservoir storage volume and the Tampa Bay Seawater Desalination Facility is offline until at least early fall 2024. The 12-month average pumping rate from the Consolidated Permit Wellfields was 88.54 mgd at the end of December. Water from the regional reservoir has been used to sustain production from the Surface Water Treatment Plant and maintain compliance with the Consolidated Permit limit. Mr. Hogg reviewed two potential scenarios for the Consolidated Permit pumping rate for the remainder of the fiscal year. The wellfield pumping rates are being managed to keep the agency below the 90 mgd permit limit. Staff will formally ask the District to extend the 1-day per week restrictions through July 1, 2024, as well as ask for an Emergency Order to harvest up to 19% of flows from the Alafia River above the established Minimum Flow.

Next, Mr. Hogg provided an update on the South Hillsborough County supply and demand conditions. Demands in the South Hillsborough service area have been steadily increasing for the past several years but have sharply increased in the past year and averaged 58.5 mgd for the past 12-months. The average demand in December 2023 was 51.3 mgd, the lowest demand in about a year due to water conservation, enforcement, rainfall, and cooler temperatures. The 12-month average pumping rate from the South-Central Hillsborough Regional Wellfield was 27.59 mgd at the end of December (above the limit of 24.95 mgd). Agency staff continue to work with Hillsborough County to explore possible infrastructure and water supply options to reduce this pumping rate. Mr. Hogg stated two new opportunities have been identified which could bring additional water to the service area. The first is acquiring approximately 340,000 gpd from a Hillsborough County permit south of the South-Central Hillsborough Regional Wellfield. The second is acquiring up to 590,100 gpd from an agricultural property in south Hillsborough County. An Acquisition Agreement and Water Use Permit modification application will be brought to the Board for consideration at the February meeting to acquire up to 590,100 gpd from the agricultural property.

Commissioner Eggers asked Mr. Hogg to explain the benefits of the Brandon Booster Station for Hillsborough County. Mr. Hogg responded that it is an inline flow-boosting station that allows Tampa Bay Water to deliver an additional 6-7 mgd of regional water to the Lithia Water Treatment Plant.

A copy of the full report can be found in the agency's Records Department.

No Board action was required on this item.

C) ACTION ITEMS

C.1 Tampa Bay Desalination Plant Reverse Osmosis Trench Supports-Phase 2, Project No. 01607 - Change Order No. #23 of Contract No. 2005-062 for Design and Construction Services with U.S. Water-Acciona Seawater Desalination Partners, LLC.
Approve Change Order No. #23 of the Desalination Plant Operation, Maintenance and Management Services Agreement, Contract No. 2005-062 to U.S. Water-Acciona Seawater Desalination Partners, LLC in the amount of $13,676,766.87, plus an Owners Allowance of $1,918,233.13 for a total of $15,595,000.

Paul Stanek, Chief Operating Officer, provided an update presentation on the Tampa Bay Desalination Plant Reverse Osmosis Trench Supports-Phase 2. Mr. Stanek reviewed the current condition of the reverse osmosis pressure vessel racks which are nearing the end of their expected life. A recent evaluation determined the racks have deteriorated and have progressed to the point of causing a safety issue. Staff have been working with US Water Services Corporation and Acciona to devise a plan to fix the reserve osmosis racks and get the

plant back online. Based on their investigation and engineering inspection, replacing the original frames is the only viable and time-sensitive alternative. Mr. Stanek reviewed the accelerated rack replacement plan which includes moving Phase 2 forward to start in January 2024. This project will include plant shutdown until the work is completed and partial production starting within the next 9 months, and full production within 12 months. Mr. Stanek turned the presentation over to Chris Saliba, Vice President of US Water Services Corporation. Mr. Saliba provided an overview of the Change Order including due diligence, scope of services, key consultants involved and scope highlights. Mr. Saliba stated on-site staff will assist during the repair work. The repairs will include reusing pressure vessels, valves and other viable equipment as much as possible, providing significant time and costs savings. Next, Mr. Saliba reviewed the timeline and sequencing for the project.

Commissioner Scott asked how often structural engineering inspections take place. Mr. Stanek responded inspections will be performed as-needed. Commissioner Scott asked if the project would exceed the budget. Mr. Stanek responded the Owners Allowance will cover additional expenses. Council Member Hanewicz asked how old are the current racks and does galvanized steel have the same lifespan as stainless steel. Mr. Saliba stated the current racks are the original racks and are 25 years old. Stainless steel is superior to galvanized steel in this saltwater environment. Council Member Hanewicz asked, moving forward, can repairs can be done in sections without the facility being offline. Mr. Stanek responded yes. Commissioner Eggers asked Mr. Saliba to expand on additional racks or additional areas for racks for future alternative water supply and can the same tubes be used. Mr. Stanek stated additional room is being created within the building and the new racks are being designed to allow flexibility. Commissioner Eggers asked about the cost savings, as well as using on-site staff. Mr. Stanek stated there is a time savings and cost savings using US Water and Acciona (seawater plant) on-site staff. Commissioner Mariano asked how much the facility produced over the last five years. Mr. Stanek stated over the course of the year, approximately an average of 5 mgd, during the dry season, up to 20 mgd. Commissioner Mariano asked if future repairs can be made without the facility going offline. Mr. Stanek responded yes. Commissioner Eggers asked if once repairs have been completed, the facility can be used more throughout the year. Mr. Stanek responded yes.

A copy of the full report can be found in the agency's Records Department.

Motion: Commissioner Eggers moved to Approve Change Order No. #23 of the Desalination Plant Operation, Maintenance and Management Services Agreement to U.S. Water-Acciona Seawater Desalination Partners, LLC. Council Member Hanewicz seconded the motion.

Vote: The motion CARRIED by a vote of 8 - 0.

C.2 Tampa Bay Water Wise Status Update and Cooperative Funding Agreement No. 21CF0003454 between the Southwest Florida Water Management District and Tampa Bay Water - Second Amendment

Receive update on the Water Wise program and approval of the Second Amendment to Cooperative Funding Agreement 21CF0003454 to continue implementation of the Tampa Bay Water Wise program.

Amelia Brown, Demand Management Program Manager, provided a presentation on the Tampa Bay Water Wise Status Update and Cooperative Funding Agreement between the Southwest Florida Water Management District and Tampa Bay Water. Ms. Brown reviewed the Fiscal Year 2023 (FY23) year -results, FY24 progress, as well as the 2030 program goals. Up to 3.8 mgd can be saved by 2030 at a cost lower than developing a new water supply source. Staff are requesting approval of the Second Amendment to Cooperative Funding Agreement with District which extends the timeline of the current agreement through December 31, 2024.

Commissioner Mariano asked Ms. Brown to describe the toilet rebates. Ms. Brown stated the $100 rebate is for toilets from 1993 or earlier. The $40 rebate is for toilets 1994 or later that typically use 1.6 gallons per flush. Commissioner Mariano asked if the contract funds would be exhausted and need to come back for additional funding. Ms. Brown stated the Southwest Florida Water Management District has an annual funding cycle. Staff evaluates the current contract and if this year's funds are depleted, Tampa Bay Water would submit an application requesting additional funds. Commissioner Mariano asked what percentage of the contract remains. Ms. Brown stated approximately two-thirds. Commissioner Eggers asked if it is possible to increase the savings to 3.8 mgd. Ms. Brown stated it is feasible but not guaranteed. Commissioner Scott asked if there are incentives for commercial property. Ms. Brown indicated there are incentives for commercial properties.

A copy of the full report can be found in the agency's Records Department.

Motion: Council Member Hanewicz moved to Approve the Water Wise Program and the Second Amendment to the Cooperative Funding Agreement. Vice Chairman Cohen seconded the motion.

Vote: The motion CARRIED by a vote of 8 - 0.

D) PRESENTATIONS & REPORTS

D.1 Member Government Report - City of St. Petersburg

Receive Presentation.

John Palenchar, St. Petersburg Water Resources Director, provided an overview presentation on the City's system, current projects and future projects.

Commissioner Mariano asked what the life expectancy is of a steel pipe versus an iron pipe. Mr. Palenchar responded they have the same life expectancy.

A copy of the full report can be found in the agency's Records Department.

No Board action was required on this item.

D.2 Water Quality Update
Receive Presentation.

Steve Fleischacker, Water Quality Services Senior Manager, provided an update presentation on Water Quality, PFAS sampling results, and Regional Water Quality Study. Mr. Fleischacker stated Tampa Bay Water continues to provide water that meets or is better than state and federal drinking water requirements. Staff are currently preparing this year's Consumer Confidence Report. Data tables from this report will be provided to member government utilities technical staff in February for them to begin preparing their individual utility reports. Mr. Fleischacker also stated the agency has been working with member government utilities to comply with Environmental Protection Agency's (EPA) future regulatory requirements for six per- and polyfluoroalkyl substances (PFAS). The limits are expected to be finalized by the EPA this year. Mr. Fleischacker noted that PFAS do not originate in water supplies but when products with these substances are used or discarded, PFAS can enter the environment, which includes drinking water sources. Tampa Bay Water has been supporting its member utilities who are participating in EPA's PFAS study. The first and second of four quarterly sampling events have been completed. Mr. Fleischacker reviewed the results of the July and October 2023 sampling, noting average perfluorooctane sulfonic acid (PFOS) concentrations found in regional water delivered to the Hillsborough County's Lithia Water Treatment Plant and Central Water Treatment Plant. These results will be carefully considered when making PFAS treatment decisions later this year. Only PFOS (i.e., one of six PFAS) slightly exceeded the proposed EPA limit although other PFAS were detected in the first and second sampling events. Mr. Fleischacker reviewed next steps including determining if treatment is needed. Once it is determined if and where PFAS treatment may be needed, staff will reset the recommended priority and phasing of treatment locations identified in the Regional Water Quality Study.

Commissioner Cohen asked what is EPA's current guideline threshold. Mr. Fleischacker responded there are currently no federal requirements for PFOS (or PFAS) in drinking water. There are some states that have been proactive and issued their own PFOS (and PFAS) drinking water limits that are higher than the EPA proposed limit of 4 parts per trillion (ppt).

Commissioner Cohen asked what are some of the limits other states are using. Mr. Fleischacker stated these limits are generally in the 10-20 ppt range. Commissioner Cohen asked if Mr. Fleischacker had any comments on the lack of a uniform (national) standard. Mr. Fleischacker stated this has been extensively studied for the last 15-20 years and the efforts that have been undertaken have been significant. The EPA came up with a consensus in March of 2023 of the proposed 4 ppt. The comments that were made on the proposed regulations were extensive and it took EPA until recently to come up with its final recommendations that were submitted to the Office of Management and Budget (OMB) in December 2023. Mayor Davis asked if testing will continue after July. Mr. Fleischacker stated once the numbers come out, testing will continue (quarterly or annually depending on the numbers for compliance purposes), which will increase confidence that the numbers remain consistent. Commissioner Mariano asked if anyone has done a study to determine why levels are higher in certain areas. Mr. Fleischacker stated Tampa Bay Water has a Source Water Assessment Protection Program that continually assesses what commercial, institutional, and other facilities are located in our watersheds. No significant manufacturers of PFAS have been identified. The higher levels (i.e., near the proposed EPA 4 ppt limit) are considered to be general background levels from wastewater discharges to water bodies, atmospheric deposition, rainfall events, etc. Commissioner Scott asked for an explanation of measuring parts per trillion. Mr. Fleischacker explained that in comparison to the most stringent existing drinking water limits, such as total trihalomethanes in parts per billion (ppb), PFAS limits in parts per trillion, are 1,000 times less.

A copy of the full report can be found in the agency's Records Department.

No Board action was required on this item.

Chairman Oakley recognized Commissioner Eggers. Commissioner Eggers welcomed Commissioner Mariano and Commissioner Scott to the Board and recognized Kelly Fernandez (Persson Cohen Mooney Fernandez & Jackson, P.A.) and asked her to approach the podium to say a few words. Ms. Fernandez thanked the Board for the appointment as the agency's new General Counsel and stated she looks forward to working with the Board Members and agency staff.

E) OTHER ADMINISTRATIVE MATTERS AND OLD BUSINESS

There were no items listed for discussion.

F) RECEIVE & FILE

F.1 Agency Division Activity Reports for November and December 2023
Receive and File.

F.2 Legal Services Activity Report for November and December 2023

Receive and File.

F.3 Legal Services Budget Report for November and December 2023
Receive and File.

F.4 True Up of Fixed Costs between Member Governments for October and November 2023
Receive and File.

F.5 Management Statistics Report with Aged Accounts Receivable as of October 31 and November 30, 2023
Receive and File.

F.6 Disposition of Fixed Assets through October and November 2023
Receive and File.

F.7 Vendor's Status Reports for October and November 2023
Receive and File.

F.8 Comprehensive Check List with Delegated Check Approval Items for October and November 2023
Receive and File.

F.9 Investment Schedules for October 2023 and November 2023
Receive and File.

F.10 Financial Statement - October and November 2023
Receive and File.

Motion: Councilman Miranda moved to Approve RECEIVE & FILE. Vice Chairman Cohen seconded the motion.

ADJOURNMENT

The meeting adjourned at 11:44 a.m.

Attest: _____
Charles H. Carden, General Manager/Secretary

Date: _____

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.2

DATE: February 5, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Tommy Brown, Continuous Improvement Director

SUBJECT: Tampa Bay Water Performance Dashboard Update - *Receive Report*

SUMMARY

Tampa Bay Water Staff updated the Agency's performance dashboard that measures key performance indicators identified in the Strategic Plan against Tampa Bay Water's internal benchmarks and policies and American Water Works Association's water utility industry benchmarks. The performance dashboard provides regular reports on overall agency performance to the Board of Directors.

SUGGESTED ACTION

Receive Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

Tampa Bay Water staff updated the Board Performance Dashboard to measure key performance indicators identified in the Strategic Plan. Regular reports on performance are provided to the Board of Directors with the agenda package. The Board Performance Dashboard has been updated to include metrics aligned with the updated Strategic Plan, and the most recent benchmarks from the 2022 American Water Works Association Utility Benchmarking Study. These metrics are intended to provide

the Board of Directors with a snapshot of the Agency's current performance.

BACKGROUND

Tampa Bay Water strives to continually improve and become more efficient in operating and maintaining the water supply system and planning for the region’s future drinking water needs. In 2023, the Agency’s Board of Directors approved the current Strategic Plan. The Agency assigned key performance indicators to the Strategic Plan goals for measuring against Tampa Bay Water's internal benchmarks and policies, and the American Water Works Association’s water utility industry benchmarks using a performance dashboard. The dashboard uses key performance indicators created as part of the update to the strategic plan.

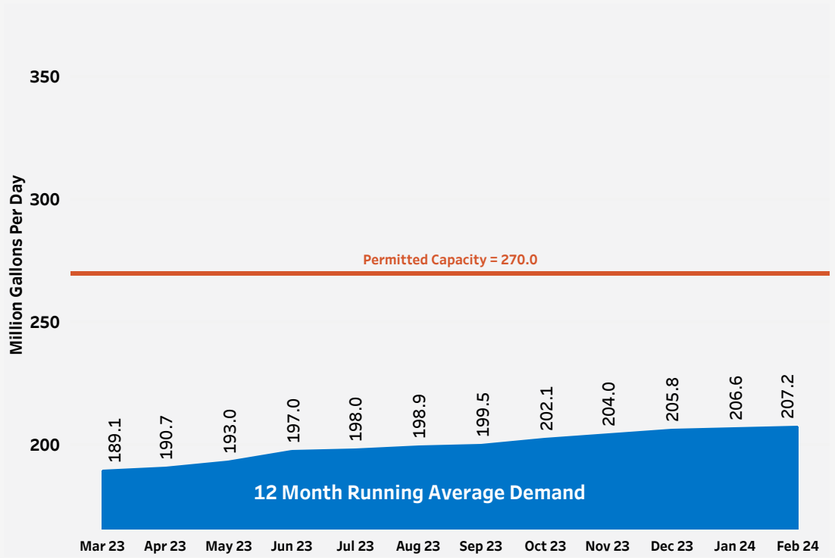
Attachments (1)

Tampa Bay Water Overall Performance Dashboard February 2024

Tampa Bay Water Overall Performance Dashboard

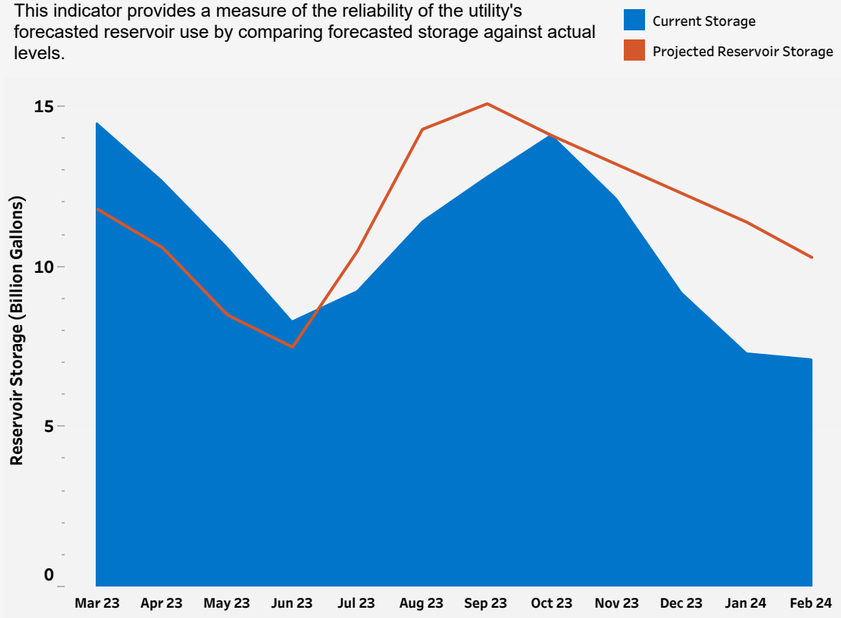
Available Capacity

This indicator shows how much water the utility is permitted to use and the 12 month running average demand. Average demand should not exceed permitted capacity.



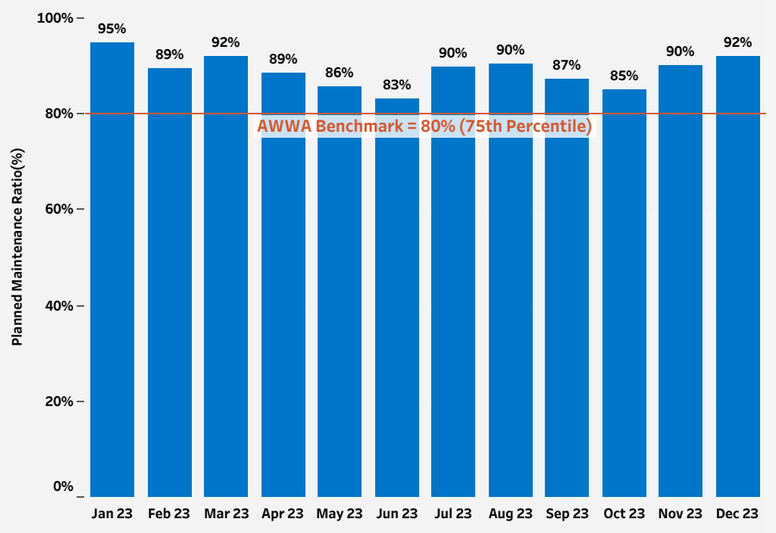
Meeting Projected Reservoir Storage Volume

This indicator provides a measure of the reliability of the utility's forecasted reservoir use by comparing forecasted storage against actual levels.



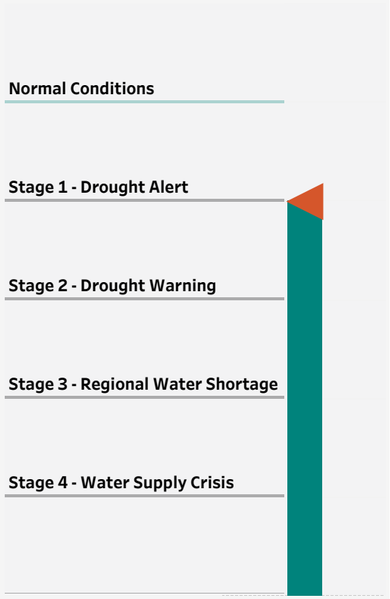
Planned Maintenance Time

This indicator provides a measure of the time spent on planned maintenance shown as a percent of total maintenance time. Utilities should strive to be above the AWWA 2022 benchmark.



Water Shortage Mitigation

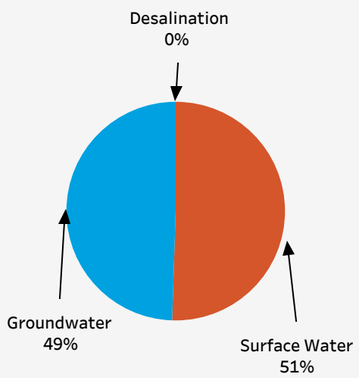
This chart highlights the current stage of Water Shortage Mitigation Plan of Tampa Bay Water.



Water Sources / Water Use Permits / Water Quality

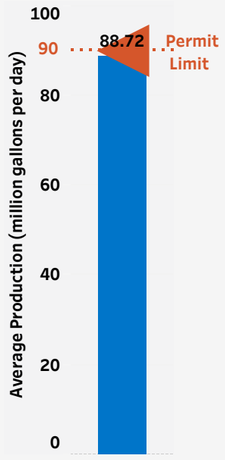
Total Production by Sources Fiscal Year To Date

This chart provides the percentage distribution of sources used to supply water.



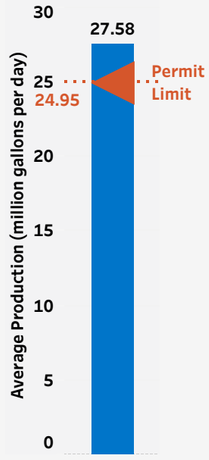
Consolidated Water Use Permit

This indicator provides the 12-month running average for groundwater pumping rate from 10 wellfields and corresponding permit limit.



South-Central Hillsborough Wellfield Permit

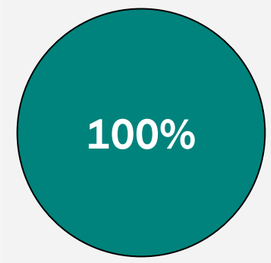
This indicator provides the 12-month running average for groundwater pumping rate from the South-Central Hillsborough Wellfield against its approved pumping limit.



Safe Drinking Water Act Compliance

This indicator quantifies the percentage of time each year that the utility meets all Safe Drinking Water Act standards. Utilities should strive to be at the benchmark.

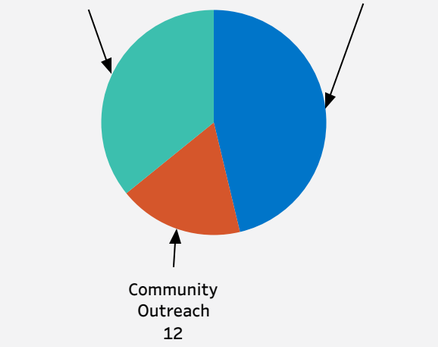
AWWA Benchmark: **100%**



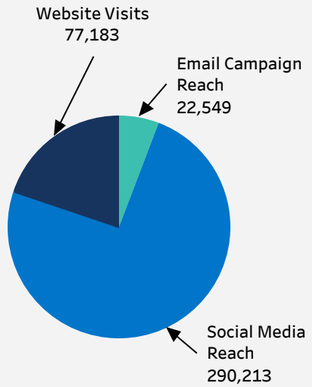
Stakeholder Outreach Fiscal Year To Date

These charts show stakeholder outreach activities of the agency by digital means and through other engagements.

Engagement and Outreach



Digital Reach

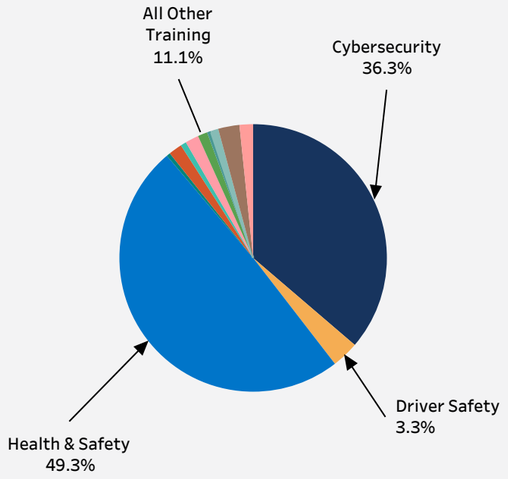


American Water Works Association (AWWA) benchmarks are based on results from participating utilities in the 2022 Utility Benchmarking Study. Participating utilities include retail entities with factors not relevant to wholesale utilities like Tampa Bay Water. **[Dashboard Updated February 12, 202..**

Tampa Bay Water Overall Performance Dashboard

Employee Training Fiscal Year To Date

This chart shows the distribution of the type of training undertaken by Tampa Bay Water employees and average module duration for each of the course categories (Source: NeoGov).



Optimized Staffing Levels

Current Filled Positions

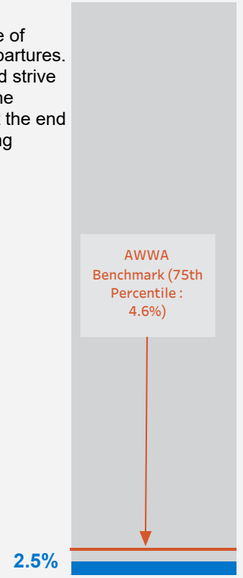
This indicator provides a measure of filled, full-time positions shown as a percentage of total positions for the fiscal year to date.

Current Filled Positions (FTE)	Current Staff Level(FTE)
151	160



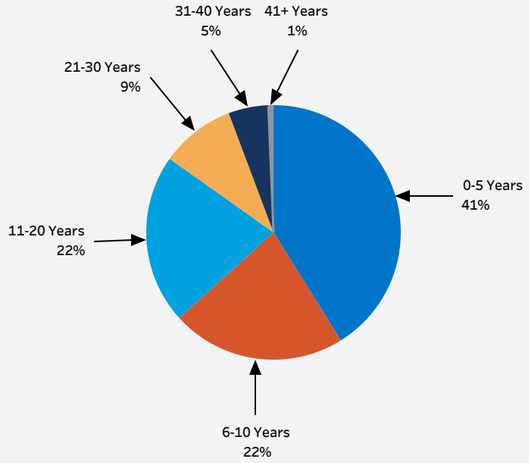
Employee Turnover Fiscal Year To Date

This indicator quantifies rate of employee departures. Utilities should strive to be below the benchmark at the end of the reporting period.



Employee Experience Distribution

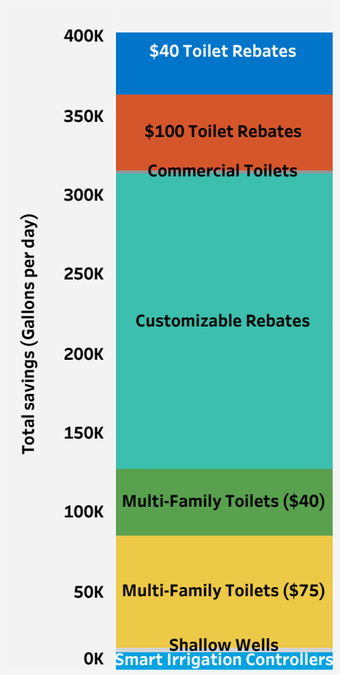
This chart shows relative distribution (percentage) of number of employees based on their total years of experience across all departments for fiscal year to date (Source: Munis).



Tampa Bay Water Wise Program Savings

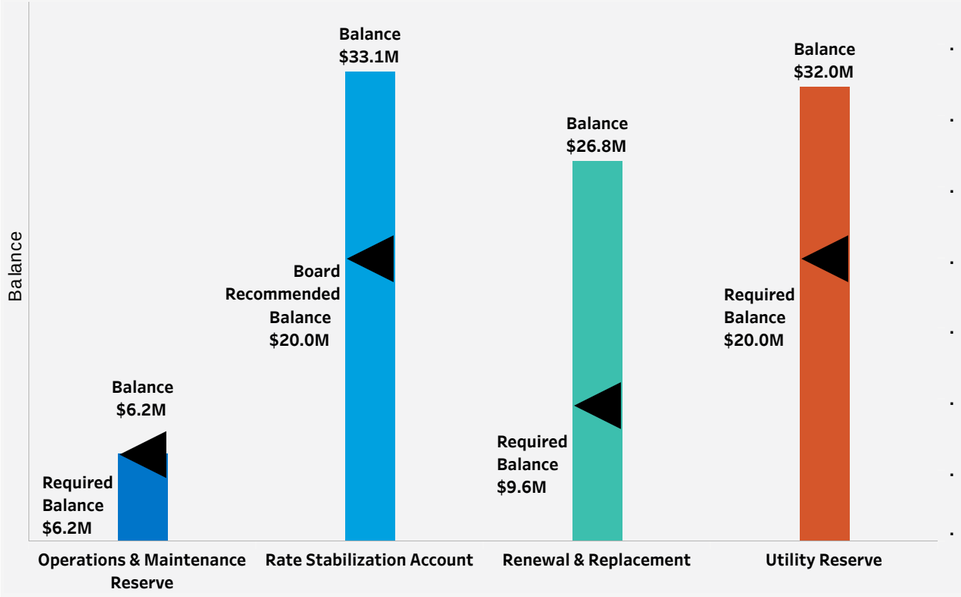
This chart shows the rebate program savings (gallons per day) for all programs since its inception on March 30, 2020.

(Source: Tampa Bay Water Wise Dashboard)



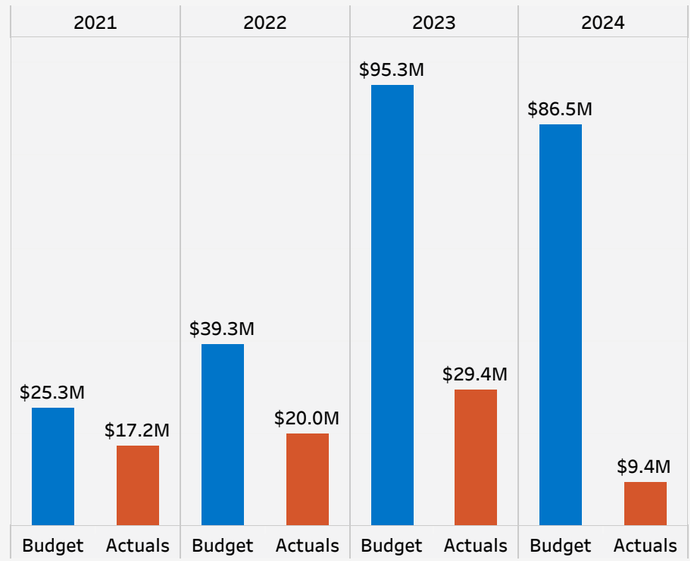
Reserve Funds Balance

This chart tracks the utility's total reserve fund balance across all types against its total contractual or policy based minimums (data is current as of December 2023).



Capital Improvement Program

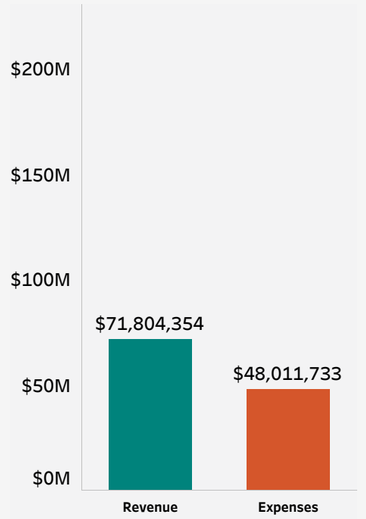
This chart shows the approved budget of the Capital Improvement Program against actual expenditures over fiscal years including fiscal year to date (Source: Masterworks/Munis).



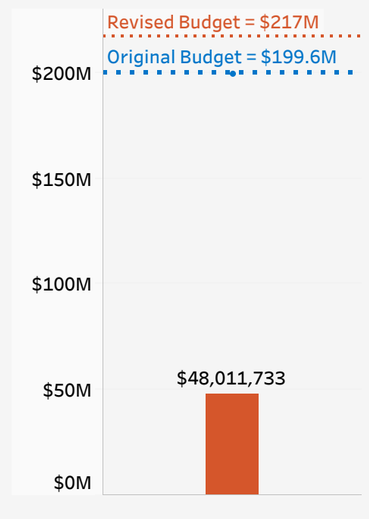
Operating Within Budgets As Forecasted

This indicator provides a measure of the utility's ability to operate within budget forecasts (data current as of December 2023).

Actual Revenue and Expenses



Total Budget and Expenses Spent Year To Date



American Water Works Association (AWWA) benchmarks are based on results from participating utilities in the 2022 Utility Benchmarking Study. Participating utilities include retail entities with factors not relevant to wholesale utilities like Tampa Bay Water. **[Dashboard Updated February 12, 2024]**

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.3

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Warren Hogg, Chief Science Officer

SUBJECT: Regional Water Supplies, Member Demands and Environmental Conditions - *Receive Report*

SUMMARY

This item provides the status of Tampa Bay Water's water demand and water supply conditions including hydrologic conditions, climate, surface water and reservoir management, and source rotation. Water Shortage Mitigation Plan status and an outlook for the spring season are also included. The Agency continues to closely monitor production from the South-Central Hillsborough Regional Wellfield and work with Hillsborough County to implement measures that manage demand and maximize regional water delivery to the Central and Lithia Points of Connection.

SUGGESTED ACTION

Receive Status Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

Summary Highlights

Since the beginning of this fiscal year through January 31, 2024, the Agency has delivered an average of

200.12 million gallons per day (mgd) to meet the member governments' demands. This is 15.28 mgd (8.3%) more water delivered than for the same period last year. The Tampa Bay Water area is currently under a Stage I Water Shortage due to the deficit in regional cumulative rainfall and stream flow for the past 12 months. Given the hydrologic and climatic conditions, Tampa Bay Water expects regional water demand to be reduced in February and March if the region receives the forecasted cooler temperatures and higher rainfall expected through March and the public follows the one-day-per-week outdoor water restrictions. A summary of demands and hydrologic conditions is highlighted below.

- The region received slightly (0.22 inch) below-average rainfall in January 2024.
- The Regional Reservoir storage was 7.13 billion gallons as of January 31, 2024 (46% full).
- The 12-month running average pumping rate for the Consolidated Permit Wellfields was 88.70 mgd at the end of January 2024.
- The 12-month running average pumping rate for the South-Central Hillsborough Regional Wellfield was 27.58 mgd at the end of January 2024.

Climate Outlook

An El Niño climate event became established in the Pacific Ocean in the summer months of 2023 and it is expected to continue through the Northern Hemisphere winter, with a transition to neutral conditions during April-June 2024. An El Niño event typically brings cooler temperatures and increased rainfall in our region and these impacts are typically observed in the winter months from December to February. The 90-day climate outlook issued by the National Oceanic and Atmospheric Administration (NOAA) on January 18, 2024, predicts above-normal precipitation and normal temperatures in Florida for the period of February to April 2024.

Hydrologic Conditions

The Tampa Bay region received slightly (0.22 inch) below-average rainfall in January 2024, based on average rainfall from all gauges throughout the service area (Figure 1). Rainfall received in the past two months has led to increased streamflow in the Hillsborough River and Alafia River. For January 2024:

- Average monthly flow in the Alafia River was 181 mgd (73rd percentile)
- Average monthly flow in the Hillsborough River was 114 mgd (70th percentile)

A normal river flow condition is defined when the flow falls within the range of the 34th and 67th percentiles of flow for the same calendar month (Figure 2).

Water Demand and Supply Summary

Tampa Bay Water's budgeted delivery for Water Year 2024 is 197.7 mgd. This includes a projected average annual delivery to the City of Tampa of 6.0 mgd. Total average delivery to the member governments in January 2024 was 186.77 mgd, which is 7.43 mgd (4.0%) more water delivered than for the same month in the past year. As indicated in Figure 3, year-to-date water delivery was up 8.3% in

WY 2024 as compared to WY 2023. This increase in delivery to the member governments was primarily due to dry conditions in the first few weeks of Fiscal Year 2023 and regional population growth in the service areas. Without the mandatory one-day per week outdoor watering restrictions in place as of December 1, 2023, the increase in demand would have been higher.

Treated surface water totaled 96.6 mgd in January 2024. The Seawater Desalination Facility was offline in December 2023 for repairs approved by the Board. Surface water withdrawals and conditions in January 2024 were as follows:

- An average withdrawal of 66.36 mgd from the Tampa Bypass Canal in January 2024.
- An average withdrawal of 21.68 mgd in January 2024 from the Alafia River.
- The District approved an Emergency Order on January 30, 2024, allowing Tampa Bay Water to increase our withdrawal from the Alafia River from 10% to 19% of flow above the established Minimum Flow for the river. This additional withdrawal authorization will help meet regional demand and is effective through September 30, 2024.
- An average of 6.12 mgd of water was diverted from the Regional Reservoir for regional use in January 2024 due to insufficient flow in the Hillsborough River to support surface water production at the Regional Surface Water Treatment Plant.
- The City of Tampa's Hillsborough River Reservoir was at an elevation of 22.76 ft. at the end of January 2024. No water diversion through Harney augmentation occurred in January 2024.
- Water purchased by the City of Tampa through the Morris Bridge Point of Connection averaged 8.24 mgd in January 2024.
- The Regional Reservoir stored volume was 7.13 billion gallons at the end of January (46% full).
- Aggregate groundwater production from the 13 Tampa Bay Water wellfields averaged 91.40 mgd in January 2024.
- Production from the Consolidated Permit Wellfields averaged 63.95 mgd in January 2024; the 12-month running average withdrawal rate was 88.70 mgd through January 31, 2024 (Figure 4).
- The 12-month running average water production rate from the South-Central Hillsborough Regional Wellfield was 27.58 mgd through January 31, 2024, which is 2.63 mgd higher than the annual average permit limit of 24.95 mgd (Figure 6).

Comparison of total water production from different supply sources through January 31 between Water Year 2023 and Water Year 2024 is shown in Figure 6.

Tampa Bay Water continues to work with Hillsborough County to implement supply and demand management measures in the South Hillsborough County service area. Hillsborough County continues to take more than 3 mgd of additional regional water at their Central Point of Connection following changes made in their distribution system in late June 2023. This allows Tampa Bay Water to reduce the pumping rate at the South-Central Hillsborough Regional Wellfield by an equal amount. Additional regional water supply delivery to the Lithia Point of Connection started through the temporary Brandon Booster Station in August 2022. This lowered the production rate from the South-Central Hillsborough Regional Wellfield by approximately 5 to 5.5 mgd. Up to 2 mgd of additional regional system water

will be delivered to Lithia now that the permanent booster station is in operation, based on regional water availability. The 12-month running average pumping rate from the wellfield is expected to gradually decrease now that the permanent Brandon Booster Station is on-line and demand decreases with the mandatory one-day per week outdoor watering restrictions.

Environmental Conditions

Tampa Bay Water closely monitors the environmental conditions around Agency wellfields and this data is used to guide production and wellfield management decisions. Water levels in area lakes and wetlands have a strong relation to rainfall conditions and are currently lower than expected for this time of year due to the below-average rainfall and record-high temperatures in the spring and summer months of 2023. General water level changes are summarized as follows:

- Groundwater levels generally increased about 1.1 feet during January 2024.
- Groundwater levels in January 2024 were generally 1.6 feet lower than in January 2023.
- Average water levels in 10 indicator lakes and wetlands located on and near Consolidated Permit Wellfields increased 10.3 inches during January 2024 (based on data collected throughout the month, not necessarily end-of-month).
- Average water levels in 10 indicator lakes and wetlands in January 2024 were about 21.4 inches lower than water levels in January 2023.

Water Shortage Mitigation Plan

The Board approved the updated Water Shortage Mitigation Plan (WSMP) in April 2017. The WSMP uses rainfall, stream flow, and reservoir storage as indicators of the health of the region's water supplies. Figure 7 shows the surplus/deficit for regional rainfall and Hillsborough River flow for the past year.

- Cumulative rainfall in the region was at an 8.3-inch deficit through January 2024.
- Stream flow was at a 9.1 mgd deficit through January 2024.
- The storage volume in the Regional Reservoir was 7.13 billion gallons (46% of full storage) on January 31, 2024.

The Tampa Bay Water area is currently under a Stage I Water Shortage.

Staff continues to work with the members in collecting watering restriction and conservation information, discussing and exploring various short-term and long-term demand management alternatives, implementing a consistent public awareness campaign throughout the region, and identifying additional opportunities to optimize existing water resources.

BACKGROUND

Data collection, analysis, and interpretation as well as decision-making are ongoing for a multitude of

factors that influence and constrain Agency operations. These include hydrologic and environmental conditions, supply and demand conditions, treatment plant parameters, water quality constituents, along with equipment/machinery and infrastructure variables. A summary of monthly information is compiled and provided to the Board in each Agenda Packet and is supplemented as necessary. A summary of highlights is presented annually.

Attachments (1)

Demand, Supply and Environmental Conditions through January 2024

Figure 1: Water Year 2024

Monthly Rainfall vs. Average Monthly Rainfall

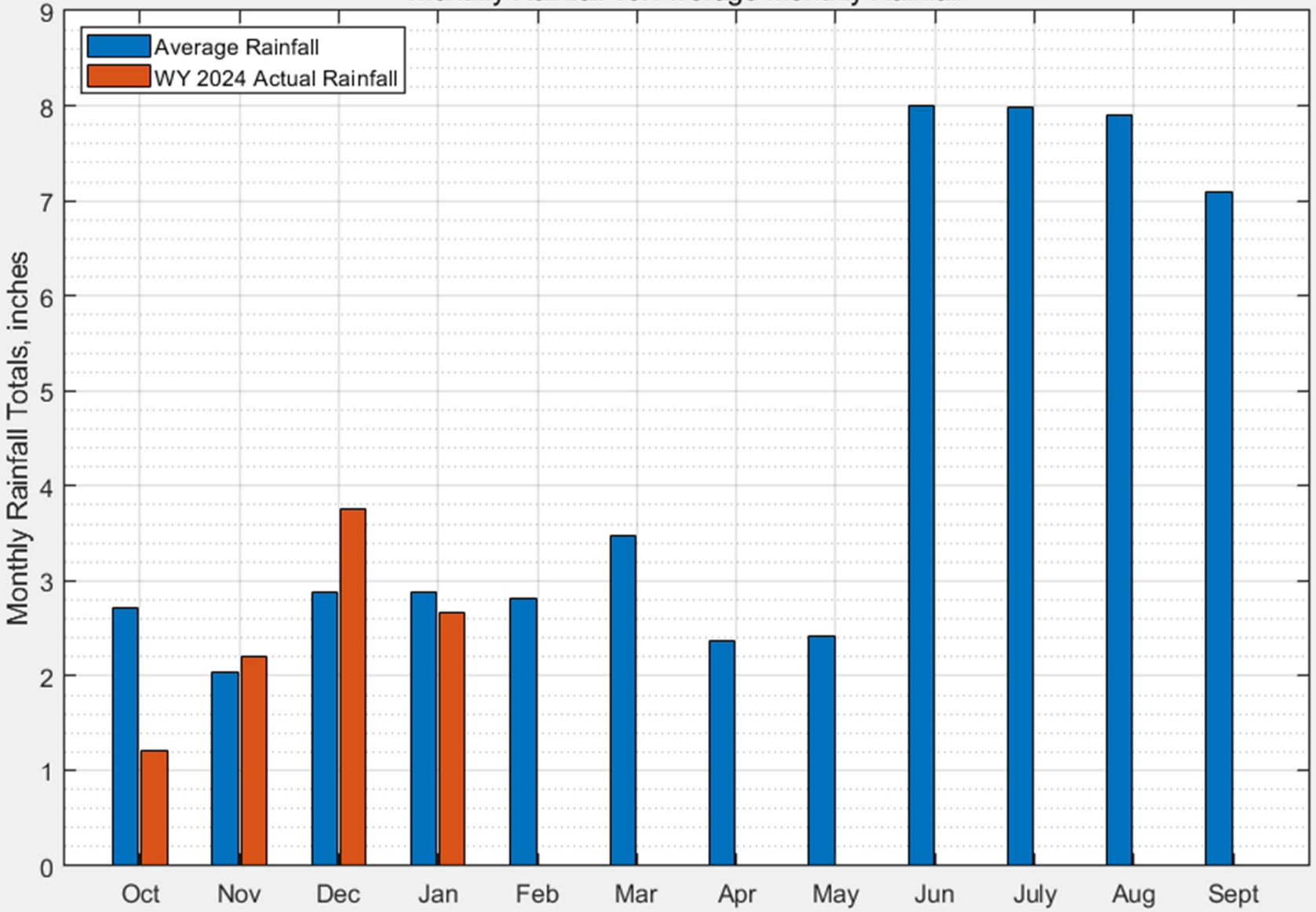


Figure 2: Streamflow Conditions at Alafia and Hillsborough Rivers
Through Jan 31 2024

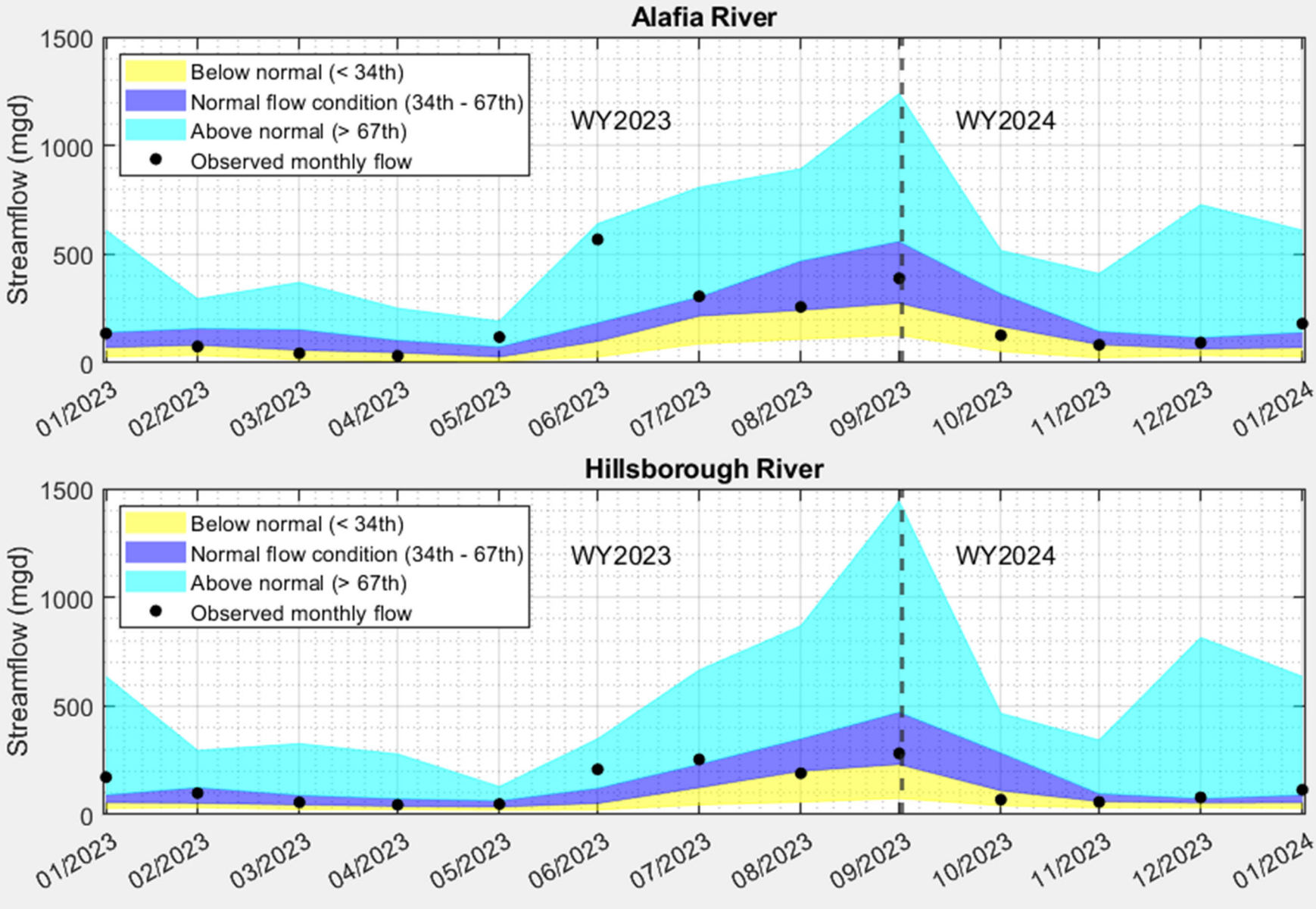
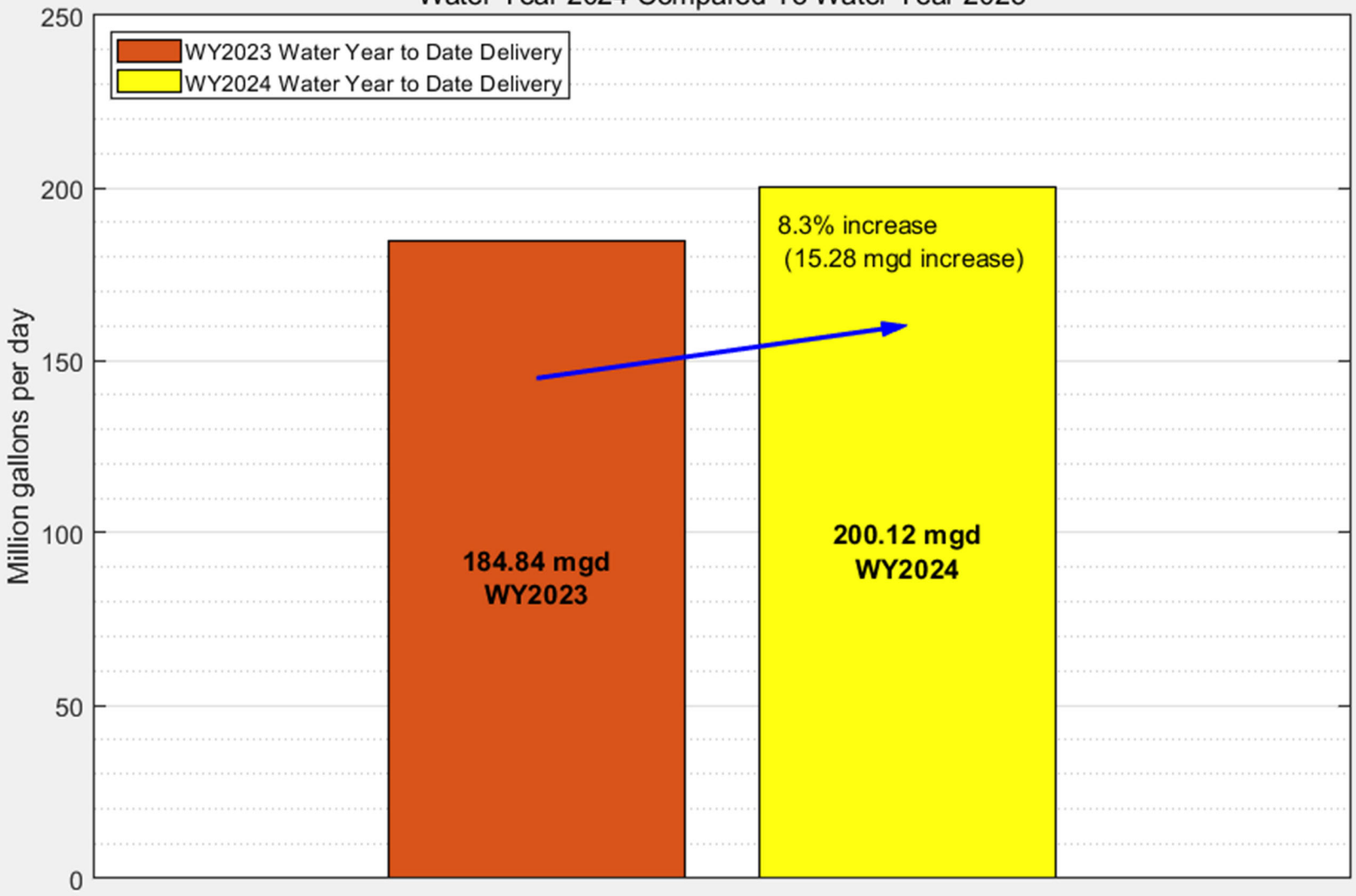


Figure 3: Tampa Bay Water Delivery Through Jan 31
Water Year 2024 Compared To Water Year 2023



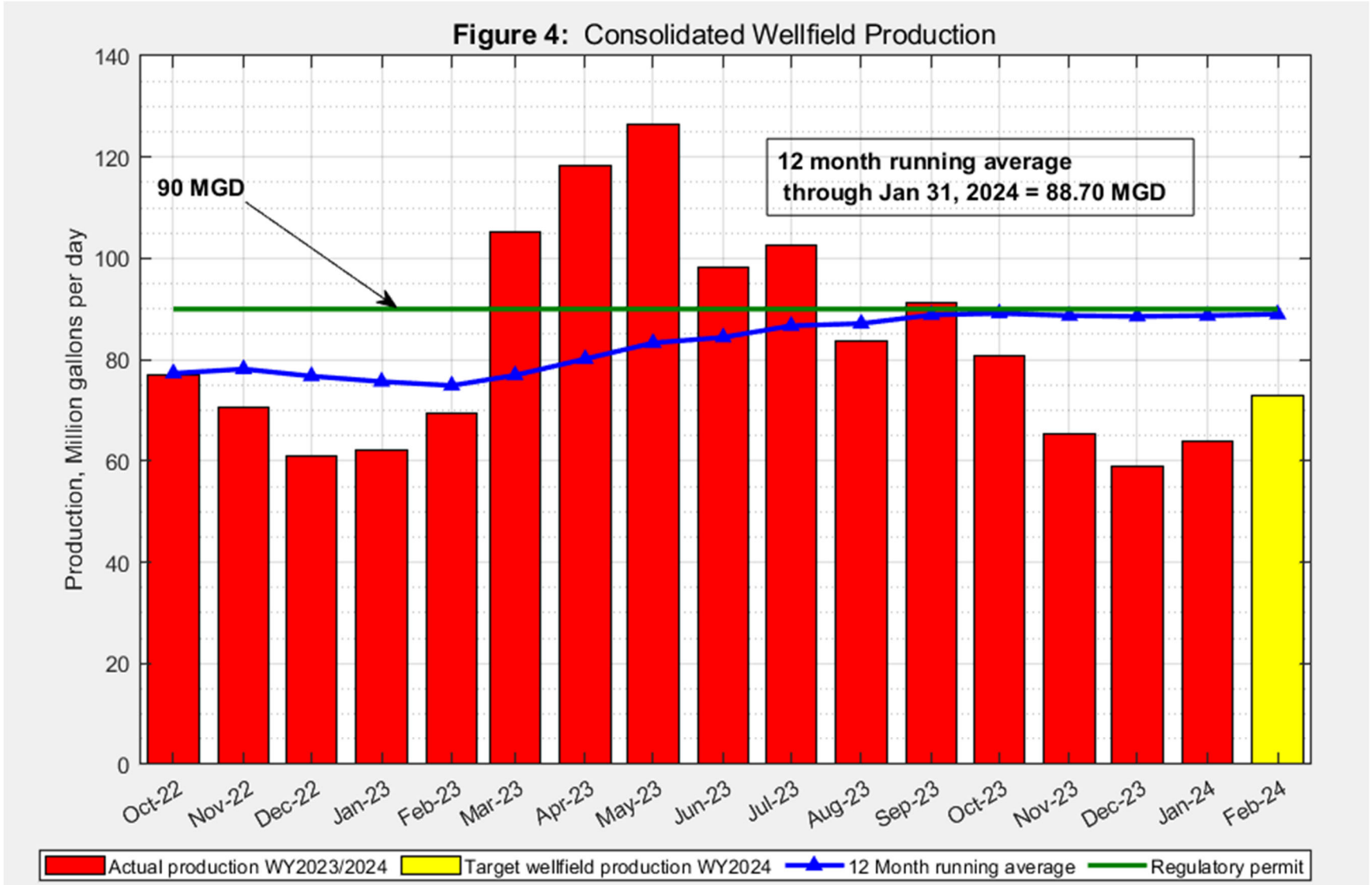

Figure 4: Consolidated Wellfield Production
Production, Million gallons per day
140
120
100
80
60
40
20
0
90 MGD
12 month running average
through Jan 31, 2024 = 88.70 MGD
Oct-22
Nov-22
Dec-22
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23
Jul-23
Aug-23
Sep-23
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Actual production WY2023/2024
Target wellfield production WY2024
12 Month running average
Regulatory permit

Figure 5: South-Central Hillsborough Regional Wellfield

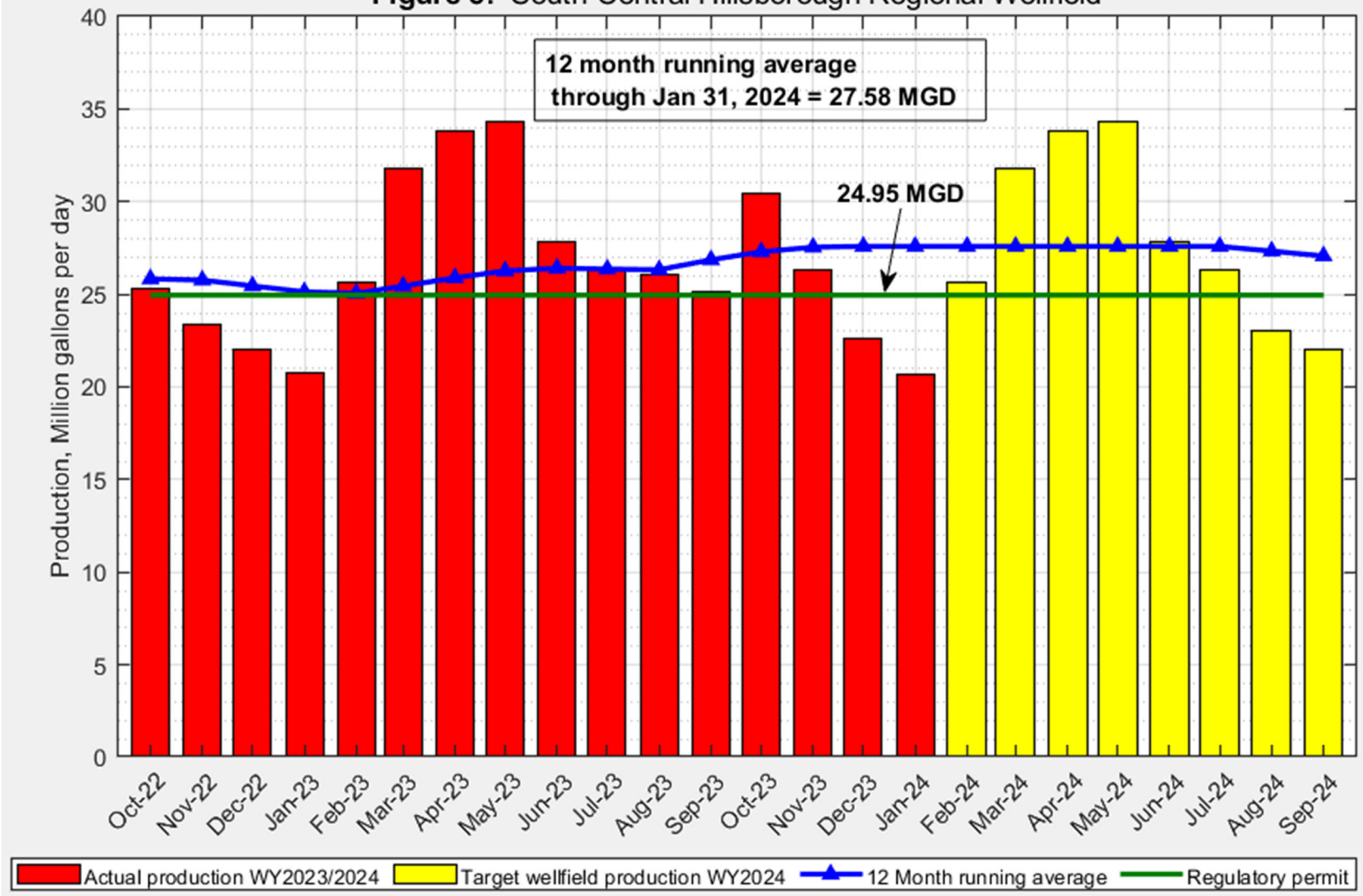


Figure 6: Tampa Bay Water Supply Sources Through Jan 31
Water Year 2023 Compared To Water Year 2024

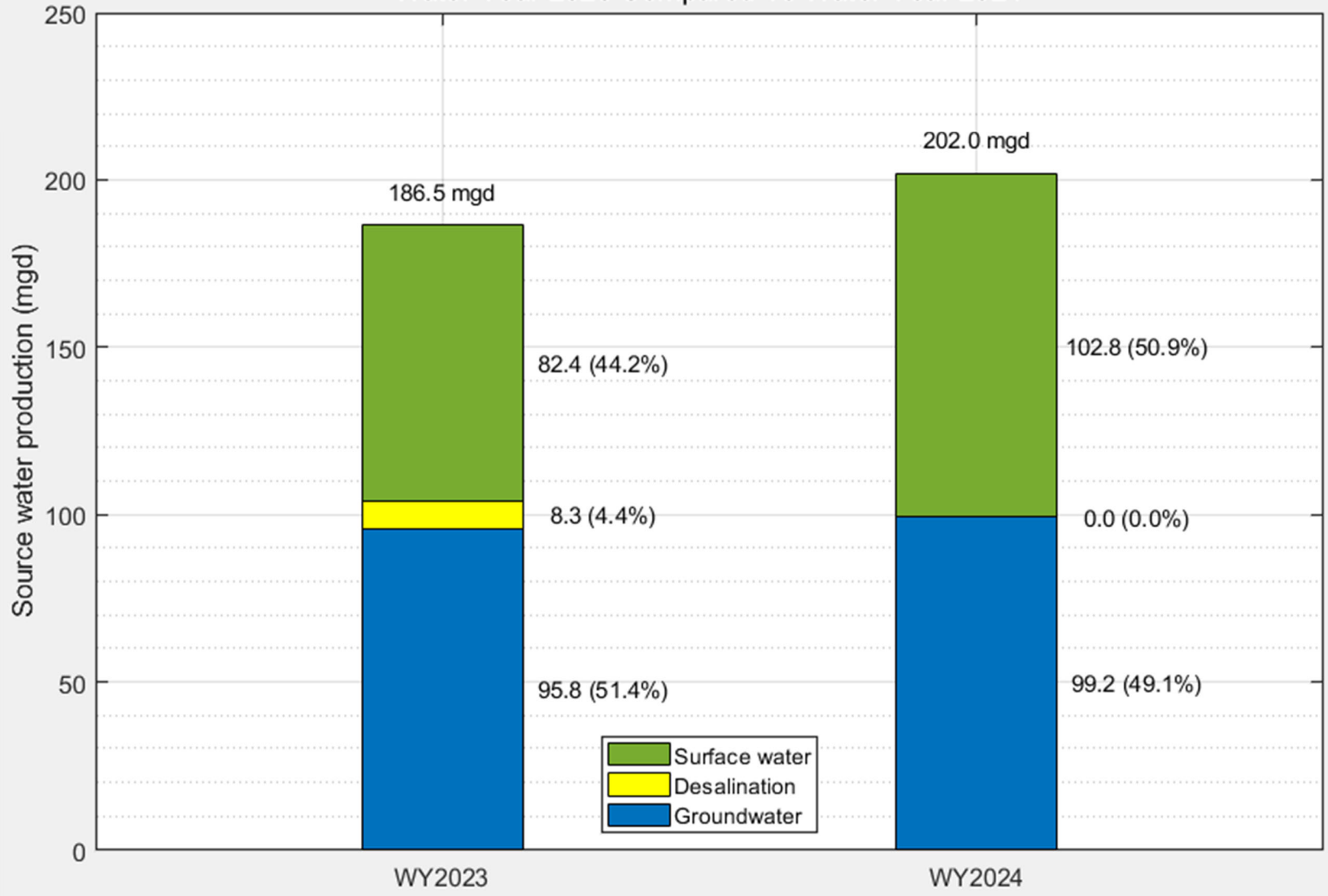
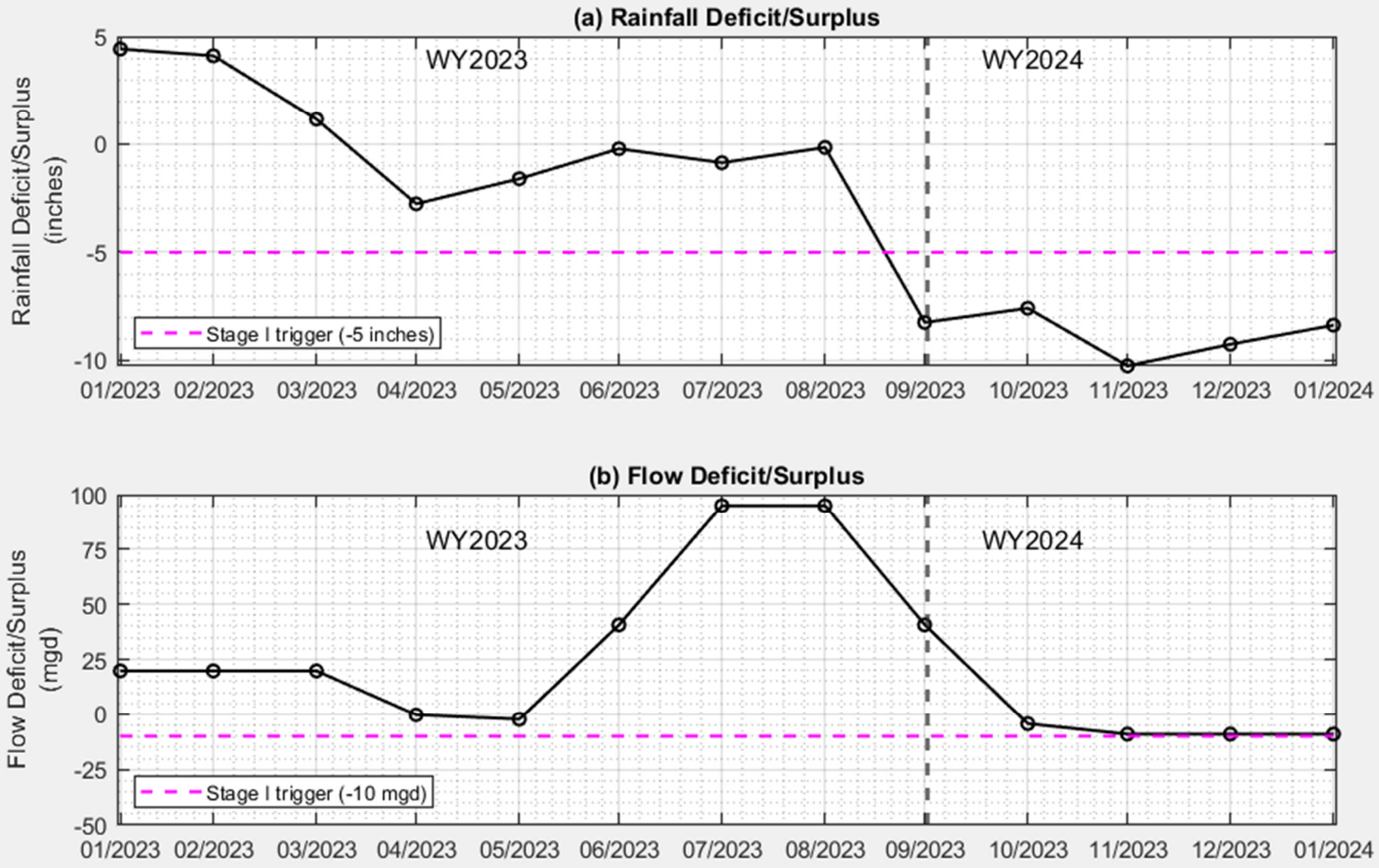


Figure 7: Regional Water Shortage Indicators
Through Jan 31 2024



TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.4

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Warren Hogg, Chief Science Officer

SUBJECT: South-Central Hillsborough County Program Update - *Receive Report*

SUMMARY

Tampa Bay Water and Hillsborough County staff continue to develop additional pumping and transmission (pipeline) capacity to increase supply to rapidly growing South Hillsborough County through the August 2020 Memorandum of Understanding. A status report is provided at each regular meeting of the Tampa Bay Water Board of Directors until the projects are operational.

SUGGESTED ACTION

Receive Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

Tampa Bay Water continues to meet with Hillsborough County staff to coordinate activities to increase wholesale system capacity to serve South-Central Hillsborough County. Wholesale facilities under

development include: a new booster pump station on the existing Brandon Transmission Main to increase its capacity by at least 5 million gallons per day (mgd), a new pipeline system to deliver up to an additional 65 mgd of water supply, and a new well to deliver an average of 2.3 mgd of additional water supply to south Hillsborough County. At the February 26 meeting, staff will present an update on the infrastructure projects, water supply projects and the current status of the South-Central Hillsborough Regional Wellfield pumping rate.

Brandon Booster Station (Project 01609)

The project includes acquiring fee property and the design, permitting, and construction of a new in-line booster station in Brandon. The Brandon Booster Station has been designed to have flow-boosting capacity of 20 mgd with a net gain in transmission line flow of approximately 5 to 7 mgd. This project will receive up to $5,325,000 through the Southwest Florida Water Management District's (District) Cooperative Funding Initiative. Below is a list of completed and ongoing activities:

- Lithia Point of Connection control valve replacement completed at the end of March 2022.
- Temporary Booster Station became operational in August 2022.
- Permanent Pump Station completed commissioning testing and began operating in February 2024. Site landscaping and permit closure activities are ongoing.

Pipeline System (Projects 01610/01616)

This project includes the construction of a new regional transmission main to the South Hillsborough County Area. When completed, the pipeline will be able to provide an additional 65 mgd of new supply to South Hillsborough County. This project will be co-funded by the District's Cooperative Funding Initiative up to $145,054,000 for eligible project costs. The County and Tampa Bay Water entered into a Joint Project Agreement in October 2021 for funding of the portion of the pipeline that is not funded by the District. Below is a list of completed and ongoing activities:

- Basis of Design Reports received for pipeline Segments A and B in July 2023.
- Construction Manager at Risk (CMAR) contract with Garney, Inc., was executed and work initiated in December 2023.
- Southwest Florida Water Management District cooperative funding has increased from $145,054,000 to $147,954,000.
- Garney, Inc. provided the following deliverables in January 2024:
    - Construction cost estimate based on 30% design
    - Identification of required permanent and temporary easements for Segment A and Segment B
    - Anticipated construction schedule
    - Initial risk register
- Letters to residents/businesses notifying them this project will require an easement (permanent and temporary): further analysis with CMAR ongoing for segment A route; Segment B letters are being mailed in batches.
- Presentation and acceptance of route through ELAPP parcels to be requested at the committee’s

March 18, 2024 meeting.

South Hillsborough Production Well (Project 07540)

This project includes the conversion of a test well into a production well and the construction and operation of water treatment facilities by Hillsborough County. The new production well will deliver an average of 2.3 mgd of water supply under a short-term agreement with Hillsborough County for aquifer injection credits from their existing South Hillsborough Aquifer Recharge Program (SHARP) wells. Staff is implementing the test well conversion into a production well through the South Hillsborough Wellfield-Phase 1 Project.

- Short-term agreement for reclaimed water injection credits with Hillsborough County was executed on April 5, 2023.
- The Water Use Permit for the new production well was issued by the District on October 24, 2023.
- Design for the production well infrastructure is ongoing.
- Hillsborough County is procuring an engineer/contractor to complete the design, permitting, and construction of the necessary water treatment infrastructure.

Demand Management

Tampa Bay Water and Hillsborough County staff continue to coordinate activities for demand management in the South Hillsborough County area. Agency and County staff resumed monthly meetings in October 2023 to address high demands and drought conditions in this service area heading into the fall dry season. The main objective of these meetings is to coordinate work for the variety of activities undertaken by the County, Agency and Florida Friendly Landscaping ™ agents, and to explore opportunities for collaboration. Agency staff continue to promote the Tampa Bay Water Wise Program and work with multi-family residential communities on rebate programs. The County continues to promote outdoor water wise practices and the Tampa Bay Water Wise rebate program directly to Hillsborough County customers. Staff of both agencies are exploring additional public information strategies to promote water conservation in this service area.

Short-Term Plan for Additional Water Supply

Tampa Bay Water continues to work with Hillsborough County to sustain the recent increase in the quantity of water the County is taking through the existing Central Point of Connection within this service area. Since late June 2023, the County has been taking an average of 13.2 mgd through the Central Point of Connection, an increase of more than 3 mgd. This increased flow has allowed an equal reduction in the pumping rate of the South-Central Hillsborough Regional Wellfield.

The South-Central Hillsborough Regional Wellfield Water Use Permit was modified to increase the annual average permit limit from 24.1 to 24.95 mgd on July 26, 2022. The increase in the annual average quantity will revert back to 24.1 mgd when the new regional transmission main is placed in service as specified in the current Water Use Permit. Additional environmental monitoring will

occur while the increased annual average permit rate is in effect if access to representative wetland monitoring sites can be obtained from local property owners.

Hillsborough County owns property with an active Water Use Permit south of the South-Central Hillsborough Regional Wellfield. This parcel is a former citrus grove and an existing lease for a sod farm on the property will expire in October 2024. Hillsborough County and Tampa Bay Water intend to transfer most of the average quantity (344,819 gallons per day) used under this permit to the South-Central Hillsborough Regional Wellfield permit; the County will retain a small quantity for their new facility site. This quantity transfer will allow the existing wellfield annual average permit quantity to be increased to approximately 25.8 mgd with the exact quantity to be determined during permitting. A pre-application meeting with the District, Hillsborough County, and the Environmental Protection Commission of Hillsborough County was held on January 8, 2024. Staff plan to bring a Water Use Permit modification application to the Board for consideration and approval later this spring to begin the permitting process.

Agency and County staffs are again discussing the potential of additional production wells on the AgMart property to deliver additional water to South Hillsborough County using a long-term agreement for aquifer recharge credits generated from the County's SHARP reclaimed water injection wells. Negotiations for a long-term agreement will continue through the spring and summer of 2024.

Staff have negotiated an agreement for the acquisition of permitted groundwater quantities with Suburban Land Reserve, Inc., a private property owner in southern Hillsborough County. This property has been used for agriculture for many years and is now partially converting to residential land use. An average quantity of 590,100 gallons per day will no longer be used on the property and Tampa Bay Water proposes to acquire the permitted quantity and transfer it to our Balm Farm Water Use Permit on the AgMart property. Groundwater modeling indicates that an average quantity of approximately 550,000 gallons per day can be added to our AgMart Water Use Permit. These quantities can be used to supplement the permit quantities that can be obtained under the long-term aquifer recharge credits from Hillsborough County. A pre-application meeting with the District, Hillsborough County, and the Environmental Protection Commission of Hillsborough County was held on January 8, 2024. The agreement to acquire this permitted quantity from Suburban Land Reserve, Inc. and an application to modify our Balm Farm Water Use Permit are included in this agenda packet under separate agenda item for Board consideration and approval.

BACKGROUND

Tampa Bay Water and Hillsborough County staff continue to develop additional pumping and transmission capacity to increase supply to rapidly growing South Hillsborough County. The August 2020 Memorandum of Understanding provides for a status report at each regular meeting of the Tampa Bay Water Board of Directors until the projects are operational.

In the 1980's, the West Coast Regional Water Supply Authority (the predecessor agency to Tampa Bay

Water) constructed temporary supply, treatment and pumping facilities to maintain pressure on behalf of the County and constructed the South-Central Hillsborough Regional Wellfield, the Lithia Treatment Plant, the 42, 36 and 24-inch diameter south county transmission mains and Brandon Transmission mains. The agency retained the wellfield but turned over the treatment, pumping, and transmission facilities to the County.

Again, in the early 2000’s, some of the facilities built in the 1980's were nearing capacity, and Tampa Bay Water constructed temporary pumping and treatment facilities under a joint project agreement for the County's use while the County completed construction of its Central Water Treatment and Pumping Facility.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.5

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Warren Hogg, Chief Science Officer

SUBJECT: Water Quality Update - *Receive Report*

SUMMARY

The Water Quality Update summarizes agency water quality compliance and studies through January 2024 and member government distribution systems performance through December 2023.

SUGGESTED ACTION

Receive Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

The agency monitors regional system water quality at member government points of connection and sampling locations identified in the Comprehensive Regional Water Quality Monitoring Plan approved by the Florida Department of Environmental Protection (FDEP). Data are reported in accordance with the Master Water Supply Contract (Exhibit D) water quality compliance samples and state and federal compliance requirements. **The agency complied with state/federal drinking water standards for reported parameters during this period.**

Exhibit D Water Quality Compliance

Exhibit D requirements were met for reported parameters and locations during this period. Staff is currently preparing the Consumer Confidence Report (CCR), which is an annual water quality report for the period of January through December 2023. Member utilities will use the agency's CCR water quality data tables to prepare their CCRs in accordance with Safe Drinking Water Act requirements.

Proposed PFAS National Primary Drinking Water Regulation

The Environmental Protection Agency (EPA) proposed Maximum Contaminant Limits (MCLs) for six polyfluoroalkyl substances (PFAS) in March 2023. The EPA reviewed public comments and submitted proposed final MCLs to the Office of Management and Budget (OMB) in December 2023. The EPA plans to publish final MCLs in early 2024. These MCLs may affect the Regional Water Quality Study recommendations, as discussed further below.

Fifth Unregulated Contaminant Monitoring Rule (UCMR5)

Nationwide finished water monitoring of 29 PFAS substances and lithium, which is required by the EPA under UCMR5, began in January 2023 and ends in December 2025. Member utilities are required to sample their finished water for four consecutive quarters. Most members have completed three sampling events (July and October 2023, and January 2024). Results for the first two sampling events have been reported, the third event samples are currently being analyzed by contract laboratories, and the fourth sampling will be performed in April 2024. The City of Tampa completed their sampling program in January, April, July, and October 2023.

Working with members, Tampa Bay Water has voluntarily collected and analyzed samples from the regional transmission system delivery locations when member utilities collected samples from their distribution systems, and also analyzed duplicate samples collected from members' distribution systems. This supplemental effort benefits the region by providing ultra-low level PFAS data to improve public confidence in the PFAS findings required by the EPA. Tampa Bay Water has completed three sampling events (July and October 2023, and January 2024), presented results for the first two events to member staffs and at previous Board meetings, and posted these findings on the agency web site. Results from the third sampling event are currently being analyzed by the Tampa Bay Water Laboratory.

Findings from the July and October 2023 events identified one PFAS, perfluorooctane sulfonate (PFOS) at an average concentration of 4.6 parts per trillion (ppt), slightly above the EPA's proposed MCL of 4.0 parts per trillion (ppt) at the agency's delivery location to Hillsborough County's Lithia Water Treatment Plant (WTP). The Lithia WTP receives a blend of mostly regional surface water plus groundwater supplies from the Brandon Disperse Wells (BUD). Average PFOS concentrations at other delivery locations are below the EPA's proposed MCL; however, of note is the agency's delivery location to Hillsborough County's Central WTP with a 3.8 ppt average PFOS concentration that is close to the EPA proposed MCL. The variability observed in the quarterly sampling to-date will need to be considered when evaluating third and fourth quarter sample data and making PFAS treatment decisions

later this year. The Central WTP receives 100% regional surface water at all times.

In addition to PFOS, EPA proposed MCLs for five other PFAS. None of them were detected at concentrations greater than the EPA proposed MCLs at any of the sampled regional delivery locations. As noted above, all agency PFAS data have been posted to the Tampa Bay Water web site. EPA now expects to finalize their proposed PFAS MCLs in early 2024. It is important to emphasize the EPA proposed MCLs are based on running annual averages like most drinking water compliance requirements. This is why it is important to know how PFAS levels vary from wet to dry weather seasons over a 12-month period, and to calculate annual averages for compliance purposes.

With the four quarters of data and EPA's final MCLs known, the agency will know if treatment is needed, where it is needed, how much treatment is needed and what type of treatment is needed before a recommendation is made to invest in treatment. The agency will use the treatment framework from the completed Regional Water Quality Study to prioritize and implement PFAS treatment if it is needed. These data could potentially affect the Regional Water Quality Study recommendations, as discussed below.

Regional Water Quality Study

Carollo Engineers performed a Regional Water Quality Study (Study) to assess the technical feasibility and conceptual costs of treatment to reduce total organic carbon (TOC) and other water quality parameters per Board direction. In February 2023, Utility Directors requested information on how EPA's anticipated PFAS MCLs and data from UCMR5 sampling events could potentially affect TOC treatment technology selection, estimated costs, scheduling of priority treatment locations, and uniform rate projections. Some Utility Directors also requested consideration of a compressed implementation schedule for treatment.

It is unknown if or how PFAS MCLs and monitoring data may affect the Study treatment recommendations until after the MCLs are finalized and data are reviewed from all UCMR5 quarterly sampling events. Tampa Bay Water staff directed Carollo Engineers to finalize the Study documents including their recommendations in April 2023. The agency plans to separately update the Study recommendations using EPA's PFAS MCLs and PFAS data collected from the region's ongoing UCMR5 quarterly sampling events.

Granular activated carbon and ion exchange, which are the treatment technologies recommended for TOC reduction in the Study, are also two of the most widely used and proven treatment technologies for PFAS removal. These same technologies could be recommended if PFAS removal is needed at one or more of the recommended TOC treatment locations. Any necessary design changes to the recommended TOC treatment systems to accommodate PFAS removal could increase the size or number of treatment units, system complexity, and estimated treatment capital and operations and maintenance costs identified in the Study. The incremental cost of these expanded treatment systems will have Uniform Rate impacts that cannot be estimated at this time. Final PFAS MCLs are recommended for use in determining the need for PFAS treatment and the design criteria for any necessary PFAS treatment

systems; the MCLs will not be finalized until early 2024.

The implementation schedule presented in the Study, which is based on TOC treatment location priorities, could shift to PFAS treatment location priorities, if PFAS removal becomes necessary. This would change the prioritization and timing of new treatment systems, which could also affect Uniform Rate projections. If PFAS data from UCMR5 and supplemental sampling show EPA's proposed MCLs will be exceeded after optimizing source water selection and blending approaches, the Study's recommendations will be modified to address PFAS treatment locations as an accelerated first phase priority. A decision to expand or modify the Study's recommended first phase implementation plan at priority treatment locations will depend on PFAS levels detected during UCMR5 and supplemental sampling and the EPA's final PFAS regulations.

Each re-prioritized PFAS treatment location will require granular activated carbon or ion exchange treatment system conceptual design modifications, updated capital and operations and maintenance estimated costs, and revised Uniform Rate projections that account for other Capital Improvements Program projects. Additional sampling and analysis will be performed to confirm that PFAS treatment is required before proceeding with the design and implementation of additional treatment systems.

If PFAS treatment is not required, the agency will evaluate the potential implementation planning and financial effects of accelerating the schedule for TOC and other water quality treatment at 14 regional locations identified in the Study (i.e., reducing three phases to two phases and completing the work in less than the recommended 15-year period). Until the PFAS data are available from UCMR5 sampling, and it is determined whether the implementation schedule needs to be modified for PFAS removal, evaluation of a compressed implementation schedule based solely on TOC reduction is on hold.

Regional Free Chlorine Maintenance Evaluation

Bench-top tests were conducted to further characterize free chlorine use and disinfection byproduct formation potential in members' distribution systems, as requested by some members. These tests were performed last year and the data were discussed with members at WQWG/OCC meetings. The bench-top data showed that in the absence of TOC reduction, disinfection byproducts (DBPs) would exceed MCLs during prolonged free chlorine contact periods that represented water ages in some members' distribution systems. During WQWG/OCC meetings, members commented on the disinfection doses used in the bench-top studies and they identified alternative mechanisms to consider for additional investigation, which could be responsible for accelerated chloramine decay observed during summer months. Agency staff subsequently performed an extensive literature review involving a number of water utility case studies in similar warm climates.

Using this research information, staff designed a supplemental characterization program involving less traditional water quality parameters. These include the TOC species dissolved organic carbon (DOC), assimilable organic carbon (AOC), and adenosine triphosphate (ATP) that indicates potential changes in biological stability, and more frequent chloramines decay testing. This monitoring is designed for potential early detection of water chemistry and biology changes in transmission mains that may be the cause for accelerated chloramines decay observed during summer months. Using these data, the

program goal is to develop interim operational strategies that could lessen the effects of seasonal chloramines decay until TOC reduction treatment can be implemented, if approved by the Board, per the Regional Water Quality Study recommendations.

Interim operational strategies could include optimum timing of a regional free chlorine maintenance event (i.e., short-term temporary switch from chloramines to free chlorine), changes in chlorine and ammonia doses to form chloramines, and/or other approaches as suggested by the collected DOC, AOC, ATP, and other data from this supplemental characterization program. Initial monitoring began in December 2023 and will continue through the summer 2024 in order to potentially identify previously unknown water quality changes as temperatures rise during the late-spring and summer months.

The data from these studies will be presented at WQWG/OCC meetings as well as separate focus group meetings requested by some members during the coming months. Following these sessions, findings will be further discussed with Utility Directors to develop a recommended approach to chloramines optimization and regional free chlorine maintenance.

Northwest Hillsborough Wellfield and Regional Blends

Work continues with Hillsborough County operations and water quality staffs to optimize wellfield and regional water blends. The goal is to achieve increased chloramine stability in the member's distribution system downstream of their Fawn Ridge Water Treatment Plant. Progress meetings are held monthly.

Mosaic Lake Wales Facility

Staff continues to monitor Mosaic's ongoing investigation and FDEP's reviews and directives pertaining to an October 2023 report by Mosaic that suggested a cavity may have developed under a gypsum stack section at their Lake Wales facility. Relevant information will be reported to the Board as available. Based on information provided by Mosaic to date and staff's knowledge of the regional conditions following the gypsum stack water release at this location in August 2016, no water quality impacts are anticipated on Tampa Bay Water supplies.

Red Tide

Staff continues to review monitoring performed by others to remain current on red tide conditions in Tampa Bay. Red tide conditions have not been reported in the vicinity of the desalination plant intake structure. The desalination plant is currently offline.

Water Quality Working Group/Operations Coordination Committee

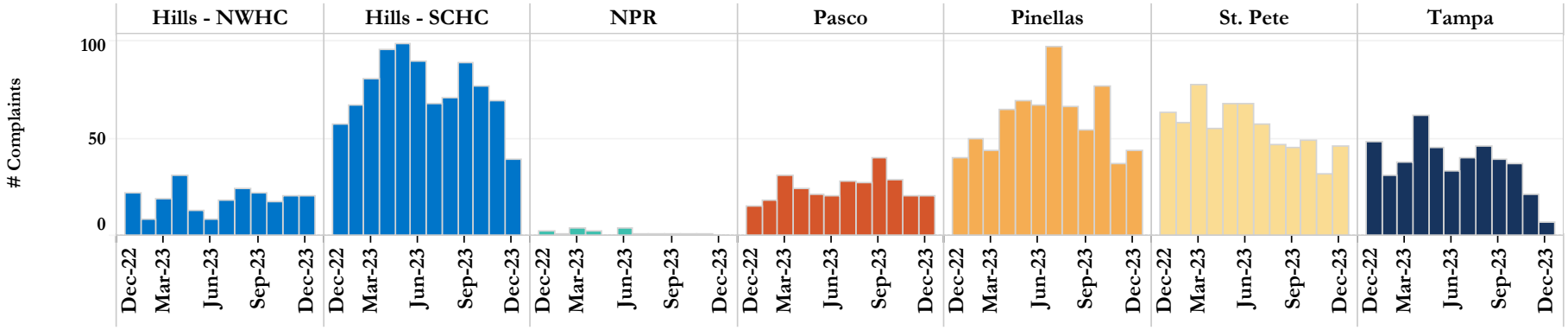
A Water Quality Working Group/Operations Coordination Committee (WQWG/OCC) meeting was held on January 11, 2024. Discussion topics included Tampa Bay Water regional system performance and project status reviews (described above). Member governments submitted their distribution system performance data that are provided in the attached graphs and Tables 1-4. The graphs show, by member

government for January 2023 through December 2023, the total number of received complaints, the total distribution system water flushed (by volume), and the water distribution system water flushed (percent of total water delivered).

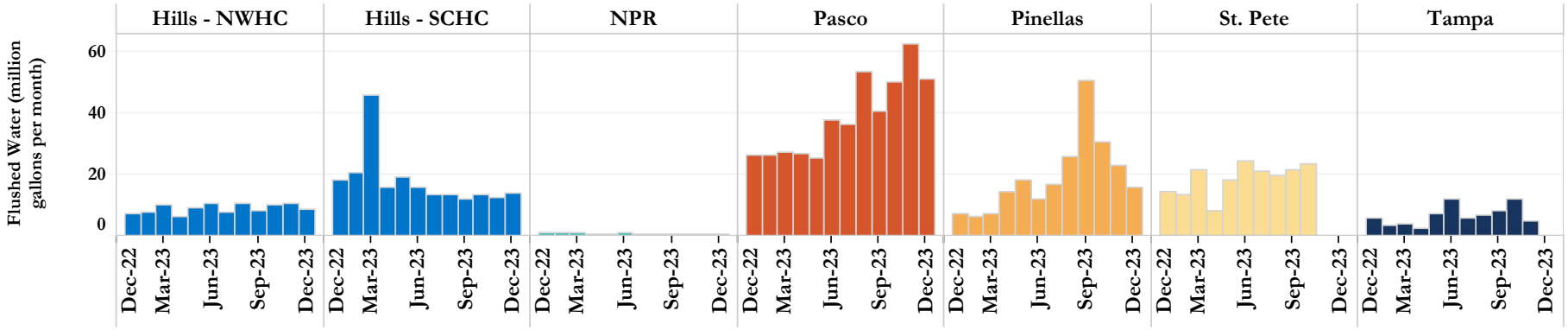
Attachments (2)

Water Quality Exhibits
Water Quality Working Group - Operations Coordination Committee - Meeting Minutes

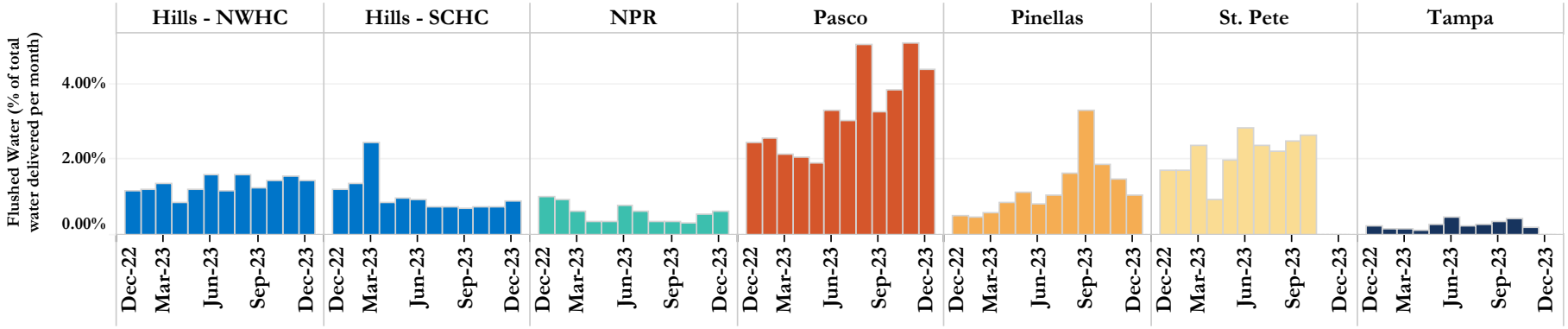
Customer Water Quality Complaints by Member Government (data not normalized for population served)



Distribution System Flushed Water (million gallons per month, data not normalized for production)



Distribution System Flushed Water (% of total water delivered per month)



* Water loss of greater than 10% on an annual basis requires a Water Audit be submitted to the Southwest Florida Water Management District.

Table 1. Customer Water Quality Complaints by Member Government
[Data not normalized for population served]

Year	Member	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2023	**Hills - NWHC**	22	8	19	31	13	8	18	24	22	17	20	20
	Hills - SCHC	57	67	81	96	99	90	68	71	89	77	69	39
	NPR	2	1	4	2	0	4	1	1	1	1	1	0
	Pasco	15	18	31	24	21	20	28	27	40	29	20	20
	Pinellas	40	50	44	65	69	67	97	66	54	77	37	44
	St. Pete	63	58	78	55	68	68	57	47	45	49	32	46
	Tampa	48	31	38	62	45	33	40	46	39	37	21	7
2022	**Hills - NWHC**	22	8	16	17	24	15	14	17	15	14	16	9
	Hills - SCHC	52	42	62	62	87	82	68	72	57	59	37	39
	NPR	3	4	3	3	3	0	2	1	1	3	0	0
	Pasco	8	25	30	28	13	20	12	18	14	20	15	12
	Pinellas	48	35	52	48	57	49	41	63	47	52	37	43
	St. Pete	37	38	53	48	42	51	55	71	67	63	59	68
	Tampa	31	38	38	43	43	NR	NR	NR	NR	NR	NR	NR
2021	**Hills - NWHC**	20	17	28	31	20	27	28	23	22	28	33	27
	Hills - SCHC	48	80	90	54	196	84	51	49	98	62	63	40
	NPR	1	4	4	1	0	1	2	3	0	1	1	0
	Pasco	19	13	16	12	21	16	17	24	20	18	10	19
	Pinellas	29	54	36	65	59	51	69	74	52	68	74	77
	St. Pete	54	43	47	36	49	52	48	38	43	40	42	55
	Tampa	34	39	45	54	63	44	26	36	32	32	29	28
2020	**Hills - NWHC**	17	13	17	77	52	37	29	29	19	25	14	21
	Hills - SCHC	46	68	57	51	70	71	63	70	64	49	75	52
	NPR	3	2	4	2	1	0	0	4	0	3	3	5
	Pasco	3	11	18	8	7	4	16	12	13	13	8	1
	Pinellas	58	45	45	43	50	58	42	37	64	63	62	46
	St. Pete	51	42	42	27	33	49	45	51	50	62	55	42
	Tampa	27	22	25	22	21	15	30	44	33	35	25	0
2019	**Hills - NWHC**	27	21	21	24	13	21	18	18	19	16	17	16
	Hills - SCHC	37	57	67	71	70	122	101	45	62	67	50	49
	NPR	4	1	0	6	2	2	1	4	0	3	3	1
	Pasco	17	8	8	5	8	16	7	5	16	22	7	14
	Pinellas	23	26	22	32	33	43	27	30	32	55	40	34
	St. Pete	67	61	57	61	55	42	52	41	37	59	33	31
	Tampa	46	59	47	28	36	36	26	51	30	21	73	0

NR - Not Reported

Table 2. Distribution System Flushed Water (million gallons per month) [Data not normalized for production]

Year	Member	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2023	**Hills - NWHC**	7.3	7.4	9.9	6.2	9.1	10.4	7.8	10.7	8.2	10.2	10.4	8.5
	Hills - SCHC	18.2	20.4	45.9	15.8	18.9	15.8	13.1	13.5	11.9	13.4	12.6	13.8
	NPR	1.1	0.9	0.7	0.4	0.4	0.8	0.7	0.4	0.4	0.4	0.7	0.7
	Pasco	26.1	26.1	27.3	26.5	25.3	37.6	36.3	53.7	40.6	50.0	62.7	50.8
	Pinellas	7.2	6.3	7.4	14.1	18.2	12.1	16.8	25.7	50.7	30.5	23.1	15.8
	St. Pete	14.2	13.2	21.3	8.1	17.9	24.2	20.9	19.5	21.7	23.6	NR	NR
	Tampa	5.8	3.4	3.7	2.6	6.9	12.1	5.6	6.7	8.3	11.8	5.0	0.1
2022	**Hills - NWHC**	9.0	3.3	9.0	9.6	21.6	12.2	44.4	32.6	10.0	15.5	7.1	7.4
	Hills - SCHC	25.7	14.5	14.6	26.8	26.6	31.7	17.7	26.6	27.2	21.6	25.1	20.7
	NPR	0.9	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1
	Pasco	18.9	15.8	14.9	17.8	18.1	23.9	31.8	39.2	39.5	40.0	39.2	37.8
	Pinellas	5.8	4.9	6.6	7.0	11.6	10.3	15.8	18.1	13.1	12.0	8.3	12.8
	St. Pete	15.2	17.2	16.5	17.6	14.8	15.0	21.1	32.6	36.3	52.0	31.7	35.2
	Tampa	3.1	4.2	4.9	4.8	6.4	NR	NR	NR	NR	NR	NR	NR
2021	**Hills - NWHC**	10.7	13.1	12.8	11.2	10.6	10.3	8.1	7.6	6.1	11.8	9.3	4.9
	Hills - SCHC	15.9	22.3	16.9	14.5	7.5	14.2	22.7	17.3	14.9	12.3	29.2	14.2
	NPR	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.1	1.1	0.8	1.0	1.1
	Pasco	42.8	32.8	33.0	26.9	28.7	31.3	32.2	37.7	33.0	31.5	21.5	19.6
	Pinellas	10.5	9.3	11.9	11.9	11.9	10.4	11.1	13.0	10.6	8.2	6.4	6.6
	St. Pete	5.9	3.9	5.3	7.4	7.7	9.3	6.8	7.3	10.6	13.3	8.0	13.8
	Tampa	3.1	3.2	3.4	3.2	3.5	3.2	4.7	16.2	11.1	4.6	3.4	3.3
2020	**Hills - NWHC**	8.4	6.9	9.4	12.4	10.3	6.3	9.1	12.5	16.8	12.6	8.8	11.3
	Hills - SCHC	11.7	16.2	40.0	20.2	18.3	18.3	20.6	7.4	14.2	31.7	8.7	9.9
	NPR	1.5	0.9	0.9	0.8	0.9	1.0	0.9	1.2	0.9	0.9	0.9	0.9
	Pasco	69.4	38.1	32.7	30.7	39.1	38.6	39.2	48.5	52.4	62.0	46.5	46.5
	Pinellas	10.7	13.9	14.0	19.3	23.6	12.6	15.6	19.3	23.9	17.3	10.4	10.7
	St. Pete	9.4	4.8	7.4	5.8	7.7	10.7	6.2	5.2	4.5	5.8	7.7	6.9
	Tampa	17.0	15.0	11.1	7.5	8.0	11.4	24.5	19.5	8.0	7.1	4.2	4.2
2019	**Hills - NWHC**	8.9	8.6	6.6	8.2	7.7	8.9	13.7	9.8	19.6	12.6	7.8	9.1
	Hills - SCHC	10.1	9.6	11.5	18.1	10.2	10.4	17.5	18.6	14.7	18.0	21.5	16.4
	NPR	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.1	1.6	0.1
	Pasco	43.4	32.3	39.1	31.0	36.1	47.1	67.7	77.8	70.9	73.6	60.3	60.6
	Pinellas	7.0	7.1	8.7	9.8	12.9	9.5	12.5	7.1	16.2	18.0	8.1	9.0
	St. Pete	10.8	12.4	11.2	10.1	19.5	15.7	16.0	9.4	2.7	2.1	3.5	5.7
	Tampa	8.2	111.0	1.3	2.3	2.2	1.0	98.2	114.9	5.0	4.6	5.5	11.0

NR - Not Reported

Table 3. Distribution System Flushed Water (% of total water delivered per month)

Year	Member	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2023	**Hills - NWHC**	1.17%	1.20%	1.34%	0.84%	1.22%	1.57%	1.15%	1.59%	1.24%	1.45%	1.56%	1.42%
	Hills - SCHC	1.18%	1.35%	2.44%	0.84%	0.97%	0.91%	0.73%	0.74%	0.69%	0.74%	0.73%	0.89%
	NPR	1.00%	0.91%	0.63%	0.34%	0.35%	0.76%	0.60%	0.35%	0.35%	0.29%	0.53%	0.62%
	Pasco	2.42%	2.57%	2.14%	2.06%	1.91%	3.29%	3.03%	5.05%	3.26%	3.85%	5.08%	4.36%
	Pinellas	0.49%	0.45%	0.56%	0.84%	1.10%	0.80%	1.05%	1.63%	3.27%	1.86%	1.48%	1.04%
	St. Pete	1.69%	1.70%	2.37%	0.91%	1.98%	2.84%	2.35%	2.20%	2.46%	2.61%	NR	NR
	Tampa	0.22%	0.14%	0.14%	0.10%	0.25%	0.47%	0.21%	0.26%	0.33%	0.43%	0.20%	0.00%
2022	**Hills - NWHC**	1.38%	0.53%	1.34%	1.41%	3.10%	1.83%	6.86%	4.92%	1.73%	2.27%	1.19%	1.16%
	Hills - SCHC	1.70%	1.02%	0.92%	1.67%	1.56%	2.58%	1.14%	1.63%	1.94%	1.29%	1.60%	1.32%
	NPR	0.86%	1.13%	0.98%	0.96%	0.92%	0.90%	0.96%	0.97%	1.09%	1.01%	0.99%	1.09%
	Pasco	1.89%	1.58%	1.31%	1.56%	1.42%	2.11%	2.86%	4.00%	4.21%	3.31%	3.68%	4.34%
	Pinellas	0.39%	0.35%	0.42%	0.46%	0.76%	0.67%	1.05%	1.20%	0.95%	0.78%	0.58%	0.88%
	St. Pete	1.87%	2.30%	1.95%	2.13%	1.68%	1.82%	2.43%	3.68%	4.44%	5.76%	3.73%	4.13%
	Tampa	0.11%	0.17%	0.16%	0.16%	0.20%	NR	NR	NR	NR	NR	NR	NR
2021	**Hills - NWHC**	1.66%	2.25%	1.86%	1.68%	1.26%	1.56%	1.31%	1.19%	1.03%	1.66%	1.44%	0.72%
	Hills - SCHC	1.11%	1.76%	1.06%	0.94%	0.39%	0.95%	1.59%	1.16%	1.10%	0.75%	1.98%	0.91%
	NPR	0.81%	0.88%	0.72%	0.73%	0.67%	0.73%	1.04%	1.04%	1.12%	0.76%	0.93%	1.05%
	Pasco	4.07%	3.46%	2.84%	2.40%	1.98%	2.84%	3.16%	3.70%	3.44%	2.74%	2.12%	1.78%
	Pinellas	0.71%	0.70%	0.74%	0.77%	0.67%	0.66%	0.75%	0.90%	0.78%	0.52%	0.45%	0.44%
	St. Pete	0.74%	0.54%	0.64%	0.93%	0.85%	1.13%	0.82%	0.87%	1.40%	1.64%	1.05%	1.70%
	Tampa	0.10%	0.12%	0.11%	0.10%	0.10%	0.10%	0.15%	0.53%	0.40%	0.14%	0.11%	0.11%

NR - Not Reported

Table 4. Regional Total Coliform Rule Compliance (Percent Positive Samples)

Year	Member	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2023	**Hills - NWHC**	0.00%	0.00%	0.00%	0.00%	0.75%	0.00%	1.47%	0.75%	2.16%	0.00%	0.00%	0.75%
	Hills - SCHC	0.00%	0.00%	0.89%	0.00%	1.32%	0.00%	0.45%	0.45%	0.45%	1.32%	0.45%	0.89%
	NPR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.27%	0.00%	0.00%	0.00%	0.00%
	Pasco	0.64%	0.64%	0.64%	0.00%	0.64%	0.64%	0.63%	1.26%	0.64%	1.23%	0.64%	0.00%
	Pinellas	0.00%	0.00%	0.47%	0.47%	0.93%	1.80%	0.00%	0.47%	0.00%	0.48%	0.00%	0.47%
	St. Pete	0.00%	1.08%	0.55%	0.00%	0.00%	1.08%	2.56%	0.55%	0.00%	0.00%	0.55%	0.00%
	Tampa	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.20%	0.41%	0.00%	0.00%	0.00%
2022	**Hills - NWHC**	0.00%	0.00%	0.00%	0.00%	0.75%	0.00%	0.00%	1.47%	1.47%	1.47%	0.00%	0.00%
	Hills - SCHC	0.89%	1.32%	2.95%	0.00%	0.00%	1.75%	0.00%	1.73%	0.89%	0.00%	0.45%	0.00%
	NPR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Pasco	0.00%	0.00%	0.00%	0.00%	0.64%	0.00%	0.00%	1.85%	0.00%	2.99%	0.00%	0.00%
	Pinellas	0.00%	0.47%	0.93%	0.47%	0.00%	0.47%	0.93%	0.93%	0.47%	0.00%	0.93%	0.47%
	St. Pete	0.00%	0.55%	0.00%	0.00%	0.00%	0.00%	1.08%	1.08%	0.55%	0.00%	0.55%	0.00%
	Tampa	0.00%	0.00%	0.00%	0.00%	0.00%	NR	NR	NR	NR	NR	NR	NR
2021	**Hills - NWHC**	0.00%	0.00%	0.00%	1.50%	1.47%	0.75%	2.16%	0.00%	1.47%	0.00%	0.00%	0.00%
	Hills - SCHC	0.00%	0.00%	0.00%	1.73%	1.75%	0.45%	0.89%	0.00%	0.45%	1.32%	0.89%	0.89%
	NPR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Pasco	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.26%	2.42%	1.85%	0.00%	0.64%	0.00%
	Pinellas	0.47%	0.47%	0.00%	0.47%	0.00%	0.00%	1.80%	0.00%	2.22%	0.93%	0.47%	0.00%
	St. Pete	0.00%	0.55%	0.00%	0.00%	0.00%	0.00%	0.55%	0.00%	0.55%	0.00%	0.00%	1.06%
	Tampa	0.00%	0.00%	0.41%	0.00%	0.00%	0.00%	0.00%	0.81%	0.00%	0.00%	0.41%	0.00%
2020	**Hills - NWHC**	0.00%	0.00%	0.00%	1.59%	0.81%	0.82%	0.00%	6.12%	3.70%	2.33%	0.81%	3.10%
	Hills - SCHC	0.55%	1.59%	0.55%	2.08%	1.08%	1.08%	0.00%	1.59%	1.59%	1.08%	0.00%	0.55%
	NPR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.26%	0.00%	0.00%	0.00%	0.00%	0.00%
	Pasco	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.42%
	Pinellas	0.00%	0.93%	0.47%	0.00%	0.47%	0.47%	0.00%	0.00%	0.47%	0.00%	0.00%	0.47%
	St. Pete	0.00%	0.00%	0.55%	0.55%	0.00%	0.00%	0.55%	0.54%	0.55%	0.00%	1.08%	0.00%
	Tampa	0.41%	0.00%	0.41%	0.00%	0.00%	0.41%	0.41%	0.41%	0.41%	0.00%	0.00%	0.00%
2019	**Hills - NWHC**	0.81%	0.81%	0.00%	0.00%	0.00%	0.79%	1.59%	3.03%	1.55%	0.75%	0.81%	2.33%
	Hills - SCHC	0.54%	0.55%	1.08%	0.99%	5.97%	2.08%	4.35%	6.10%	2.09%	0.55%	1.08%	0.00%
	NPR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Pasco	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.65%	0.00%	0.00%	0.00%
	Pinellas	0.55%	0.00%	0.00%	0.00%	1.37%	0.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.47%
	St. Pete	0.55%	0.00%	0.00%	0.00%	1.08%	0.55%	1.59%	0.00%	0.00%	1.06%	0.00%	0.00%
	Tampa	0.00%	1.20%	0.81%	0.00%	0.41%	0.81%	0.00%	0.81%	0.00%	0.41%	0.81%	0.00%

NR - Not Reported

Meeting Minutes

Water Quality Working Group/ Operations Coordination Committee

January 11, 2024 – Microsoft Teams Meeting

HANDOUTS - sent by email prior to meeting

a. Member Government monthly data

b. January 2024 WQWG-OCC Agenda Packet

A. WATER DELIVERY

1. SYSTEM UPDATES

a. Reservoir – primary water source now due to lack of rain.

b. Desal – offline

c. RSWTP is operating at 99 MGD to meet regional water demands

d. Groundwater - limiting Consolidated Water Use Permit (CWUP) Wellfields (WFs) withdrawals

e. Transmission Mains – water quality improved with arrival of cooler temperatures

f. Project scheduled at Lithia WTP to remove groundwater storage tank

2. UPDATES FROM MEMBER GOVERNMENTS

a. **Hillsborough County**

i. November 2023 TCR Reporting North Service Area – 0 TCP out of 130 samples – 0%

ii. November 2023 TCR Reporting South Service Area – 1 TCP out of 222 samples – 0.45%

iii. November 2023 Complaint Report North Service Area – 20 complaints: mostly odor, pressure, and color

iv. November 2023 Complaint Report South Service Area – 69 complaints: mostly odor and pressure

v. November 2023 Flushing Report North Service Area – 10.38 MG (4.20 MG from auto flushers)

vi. November 2023 Flushing Report South Service Area – 12.55 MG (4.00 MG from auto flushers)

vii. November 2023 Total Delivered Water Report North Service Area – 667 MG, 1.6 % flushed

viii. November 2023 Total Delivered Water Report South Service Area – 1,727.70 MG, 0.7% flushed

ix. December 2023 TCR Reporting North Service Area – 1 TCP out of 133 samples – 0.75%

x. December 2023 TCR Reporting South Service Area 2 TCP out of 225 samples – 0.89%

xi. December 2023 Complaint Report North Service Area – 20 complaints: mostly odor, pressure, and color

xii. December 2023 Complaint Report South Service Area – 39 complaints: mostly odor and pressure

xiii. December 2023 Flushing Report North Service Area – 8.53 MG, (4.20 MG from auto flushers)

xiv. December 2023 Flushing Report South Service Area – 13.80 MG (4.00 MG from auto flushers)

xv. December 2023 Total Delivered Water Report North Service Area – 601.19 MG, 1.4% flushed

xvi. December 2023 Total Delivered Water Report South Service Area – 1,545.50 MG, 0.9% flushed

xvii. Hillsborough stated that nitrites are lower at Fawn Ridge and residuals have improved.

b. **City of New Port Richey**

i. November 2023 TCR Reporting – 0 TCP out of 41 samples – 0%

ii. November 2023 Complaint Report – 1 complaint for color

iii. November 2023 Flushing Report – 0.664 MG (0.390 MG from auto flushers)

iv. November 2023 Total Delivered Water Report – 124.67 MG, 0.53% flushed

v. December 2023 TCR Reporting – 0 TCP out of 41 samples – 0%

vi. December 2023 Complaint Report – 0 complaints

vii. December 2023 Flushing Report – 0.711 MG (0.390 MG from auto flushers)

viii. December 2023 Total Delivered Water Report – 114.48 MG, 0.62% flushed

c. **Pinellas County**

i. November 2023 TCR Reporting – 0 TCP out of 210 samples – 0%

ii. November 2023 Complaint Report – 37 complaints; mostly premise issues and rusty water

iii. November 2023 Flushing Report – 23.07 MG (17.04 MG from auto flushers)

iv. November 2023 Total Delivered Water Report – 1,557.90 MG, 1.48% flushed

v. December 2023 TCR Reporting – 1 TCP out of 213 samples – 0.47%

vi. December 2023 Complaint Report – 44 complaints: mostly premise issues and rusty water

vii. December 2023 Flushing Report – 15.76 MG (8.86 MG from auto flushers)

viii. December 2023 Total Delivered Water Report – 1,510.57 MG, 1.04% flushed

d. **Pasco County**

i. November 2023 TCR Reporting – 1 TCP out of 156 samples – 0.64%

ii. November 2023 Complaint Report – 20 complaints; mostly odor and color

iii. November 2023 Flushing Report – 62.85 MG (56.64 MG from auto flushers)

iv. November 2023 Total Delivered Water Report – 1,233.61 MG, 5.09% flushed

v. December 2023 TCR Reporting – 0 TCP out of 153 samples – 0%

vi. December 2023 Complaint Report – 20 complaints; mostly odor and color

vii. December 2023 Flushing Report – 50.84 MR (46.82 MG from auto flushers)

viii. December 2032 Total Delivered Water Report 1,165.85 MG, 4.36% flushed

ix. Pasco noted that approximately 200 to 300 new service meters are installed each month.

e. **City of St. Petersburg**

i. November 2023 TCR Reporting – 1 TCP out of 183 samples – 0.55%

ii. November 2023 Complaint Report – 32 complaints; mostly premise issues

iii. November 2023 Flushing Report – no report, working on new reporting system issues

iv. November 2023 Total Delivered Water Report – 856.94 MG

v. December 2023 TCR Reporting – 0 TCP out of 180 samples – 0%

vi. December 2023 Complaint Report – 46 complaints; mostly premise issues

vii. December 2023 Flushing Report – no report, working on new reporting system issues

viii. December 2023 Total Delivered Water Report – 836.42 MG

ix. The City of St. Pete has a new reporting system for flushing numbers and they are working through issues to get accurate information.

f. **City of Tampa**

i. November 2023 TCR Reporting – 0 TCP out of 240 samples – 0%

ii. November 2023 Complaint Report – 21 complaints; mostly odor and pressure

iii. November 2023 Flushing Report – 5.00 MG (3.24 MG from auto flushers)

iv. November 2023 Total Delivered Water Report – 2,530.76 MG, 0.20% flushed

v. December 2023 TCR Reporting – 0 TCP out of 240 samples – 0%

vi. December 2023 Complaint Report – 7 complaints; mostly odor

vii. December 2023 Flushing Report – 0.08 MG (0 from auto flushers)

viii. December 2023 Total Delivered Water Report – 2,461.29 MG, 0.003% flushed

ix. The City of Tampa is expected to continue purchasing water from Tampa Bay Water for the next three to five months.

x. The City of Tampa has a new software program, "Tampa Connect", for reporting complaints. The number of reported complaints appear to be less than in prior months. The city is working through program-related issues to obtain accurate complaint information.

B. WATER QUALITY MONITORING/TREATMENT

1. EXHIBIT D PERFORMANCE

Exhibit D performance met requirements at all locations, except for COSMEINF with a reported turbidity level slightly above 1 NTU for the Running Annual Average (RAA) requirement.

2. REGIONAL WATER QUALITY STUDY (RWQS)

As reported in previous months, at the request of the Utility Directors, the Carollo Engineers final report implementation recommendations were placed on temporary hold, pending review of all UCMR5/PFAS quarterly sampling events and EPA finalizing PFAS MCLs in 2024.

3. UCMR5/PFAS

a. UCMR5 sampling was performed October 9, 16-18, 2023, and sampling included the City of Tampa.

b. These second quarterly (Q2) sampling results were presented for all regional delivery locations.

   i. One Q2 regional delivery location, Regional to Hillsborough County's Lithia WTP, detected PFOS slightly above the EPA proposed MCL; one less location[1] than Q1

   ii. All other Q2 locations showed PFOS less than the EPA proposed MCL; same as Q1

   iii. All Q2 locations showed PFOA less than the EPA proposed MCL; same as Q1

   iv. All Q2 locations showed four PFAS in EPA's Hazard Index to be less than 1.0; same as Q1

   v. These findings will be reported to the Board in January 2024

   vi. All samples from regional delivery locations were analyzed by the agency's Laboratory

c. Results from member utilities contract laboratories are being compiled and tabulated at this time.

d. The third quarterly (Q3) sampling event is underway and will be completed in January 2024.

e. The EPA regulatory agenda (calendar) continues to identify final MCLs to be posted in January 2024.

[1] Regional to Hillsborough County's Central WTP was slightly above the proposed MCL in Q1

4. CHLORAMINES

a. Tampa Bay Water Laboratory performed additional chloramine decay studies in November and December 2023. These data are in review and are being evaluated with ATP data for further study.

b. The Laboratory performed ATP analyses from transmission system samples. These data are in review and are being evaluated with data from chloramine decay studies to establish relationships.

c. These data will be presented at a WQWG-OCC meeting in the next few months.

C. OTHER TOPICS

1. FSAWWA Updates

a. The FSAWWA "Water Bugs" January event has been cancelled.

b. Future events can be found on their web site at https://www.fsawwa.org/

2. Consumer Confidence Report (CCR)

Draft CCR water quality tables will be submitted to the DEP for review later this month.

D. FUTURE MEETINGS

Next WQWG-OCC Meeting is online February 8th, at 1:30 p.m.

WQWG-OCC January 2024 Meeting Attendees

Ray Harmon, Hillsborough County
Chris Wetz, Hillsborough County
Mark Lehigh, Hillsborough County
David Lundberg, Hillsborough County
Luke Mulford, Hillsborough County
Nick Tremblay, Hillsborough County
Daniel Robertson, City of New Port Richey
Greg Wikholm, City of New Port Richey
Colin Eichenmuller, City of New Port Richey
Paula Lashuay, City of Tampa
Antonio Alvarez, Pasco County
Mike Avila, Pasco County
Jim Kaplan, Pasco County
Kevin Jenkins, Pasco County
Candia Mulhern, Pasco County
Adolfo Gonzalez, Pasco County
Karen Lewis, Pasco County
Micah Minaberry, Pasco County
Stephanie Summerbell, Pasco County
Mike Ward, Pasco County
Carissa Dennison, Pasco County
Bina Nayak, Pinellas County
Matt Wotowiec, Pinellas County
Michele Duggan, Pinellas County
Trevor Bridge, Pinellas County
Wendy Tifft, Pinellas County
Patti Holowecky, Pinellas County
Royce Rarick, Pinellas County
Jim Kramer, City of St. Petersburg
Waunda Henry, City of St. Petersburg
Eric Lynch, City of St. Petersburg
John Stanley, City of St. Petersburg
Lauren Tersen, City of St. Petersburg
John Clausen, City of St. Petersburg
Clifton Long, City of St. Petersburg
Evelyn Dooley, Tampa Bay Water
Steve Fleischacker, Tampa Bay Water
Shawn Jones, Tampa Bay Water
Hulya Comert, Tampa Bay Water
Mike Gilliam, Tampa Bay Water
Paul Stanek, Tampa Bay Water
Michelle Viale-Bick, Tampa Bay Water
Chris Owen, Hazen and Sawyer
Timothy Smith, Sundt

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.6

DATE: February 5, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Maribel Medina, Planning & Projects Director

SUBJECT: Energy Management Program - *Receive Report*

SUMMARY

The attached report details completed, on-going and future activities within the agency's Energy Management Program.

SUGGESTED ACTION

Receive Status Report.

COST/FUNDING SOURCE

Not Applicable

DISCUSSION

A programmatic approach to improve energy efficiency through implementation of emerging technology and other opportunities is a priority for the Agency. The attached Status Report provides a summary of the critical projects and other current activities and projects related to the Agency's Energy Management Program.

BACKGROUND

Significant energy is consumed by Tampa Bay Water in providing water to its customers over its 2,000-

square-mile service area. Water provided by the Agency is on-demand; that is, Tampa Bay Water does not control demand, but rather responds to its Member Governments' demand for water. Commercial power is purchased from three commercial entities under multiple rates. The vast majority of Tampa Bay Water's energy costs are related to pumping, treating, and distributing drinking water from three different types of water sources.

Attachment (1)

Energy Management Program Status Report

Energy Management Program Status Report

February 26, 2024

Energy Management Program Roadmap

Staff has developed a Roadmap to implement the Agency's Energy Management Program. This Roadmap was received by the Board on October 17, 2011. The Roadmap serves to:

- Align with the Agency's Strategic Plan;
- Identify elements of technology and energy infrastructure to enhance financial stability and sustainability of Tampa Bay Water's operations; and
- Identify gap/key projects necessary to bridge or connect on-going and planned capital projects with the steps and goals of the Energy Management Program Roadmap prepared in September 2011.

Activities and Accomplishments

Overall Program:

- An ISO 50001 Energy Management Systems (EnMS) Policy was approved by the Board in October 2016.
- An in-house Energy team has been established to evaluate and implement energy savings projects. The team meets every two months and considers, evaluates, and recommends new energy savings ideas.

Energy Audits:

- Audits were completed at the following facilities:
  - ✓ Cypress Creek Water Treatment Plant and Pump Station,
  - ✓ Morris Bridge Pumping Station, and
  - ✓ Tampa Bay Desalination Facility
  - ✓ High Service Pump Station, Surface Water Treatment Plant and the Alkalinity Adjustment Facility

Technology Tools:

- Implementation of the energy billing software, EnergyCap, was completed. This software serves as a repository of energy billing data, energy consumption reporting engine, and performs billing audits to identify potential billing errors.

Renewable Energy:

- Evaluation of Hydropower technologies at the South Pasco Water Treatment Plant was completed in January of 2017. Subsequently, a recommended hydropower energy recovery unit was added to Capital Improvements Program Project 07055-South Paco Wellfield and Treatment Improvements.
- C.W. Bill Young Regional Reservoir Solar Project (52004)
  This project included the installation of a net-metered 700-kilowatt (kW) ground mounted solar photovoltaic system at the C.W. Bill Young Regional Reservoir. The system was designed to offset the existing power needs of the Reservoir aeration compressors system. The solar photovoltaic system was put into service in February 2022, and final completion was achieved in March 2022. Billing data from October 2022 through September 2023 show the system generated 324,000 kWh of energy, accounting for 23% of the site's energy consumption. This equates to savings of $38,382 for the FY. Staff will continue to monitor and report on the savings achieved at this facility.

Rebates & Incentive Programs

TECO's Commercial Demand Response Program

In December 2007, the Board authorized Tampa Bay Water to enter into an agreement with Tampa Electric's (TECO) Commercial Demand Response Program provider, Enel X. This Program helps to manage and reduce summer and winter electricity demand at peak times of day. Tampa Bay Water earns revenue on a quarterly basis by agreeing to reduce TECO-based electricity consumption when TECO calls for a demand response event, i.e., the reduction of energy usage to lower peak demand. Revenues thus earned are deposited into a new Energy Fund. The means used to accomplish energy reductions in this program are through emergency backup generation by Tampa Bay Water. The general program rules for emergency backup generation are:

- 100 kw or more of demand reduction available
- Thirty-minute notification prior to reduction
- Reduction events may occur on non-holiday business days between 7:00 AM and 7:00 PM
- Reduction events are limited to 88 hours per site during a calendar year
- Enel X assumes all risk for non-performance
- Capacity payments are $5.35/kw-month
- Reduction events may last from one to eight hours

Table 1 Provides a summary of revenue generated and received through the TECO program by Calendar Year and the total funds received to date. Funds collected from this program are used to fund energy projects within the Capital Improvements Program.

Table 1: Commercial Demand Response Program	
Calendar Year	**Revenue ($)**
2008 - 2012	$728,896
2013 - 2017	$720,995
2018	$156,908
2019	$155,072
2020	$139,876
2021	$236,176
2022	$175,473
2023	$199,813
TOTAL (To Date)	$2,513,209

Energy Audit Program

Energy audits are one of the first activities in an energy program to identify energy saving measures. Typical audit activities last 6 to 8 months and usually include:

- Step 1- Baseline Energy Data Collection
- Step 2- Field Testing and Analysis of Energy Data
- Step 3- Identify Energy Savings Measures
- Step 4- Economic Analyses and Report

Tampa Bay Water is conducting energy audits and pump testing on high energy consuming facilities that may provide the greatest payback for the costs of the audits. **Table 2** lists these facilities, the expected audit costs, and the energy audit fiscal year.

Table 2: Energy Audits Facilities			
Facility	**Audit Costs ($)**	**Audit Fiscal Year**	**Status**
Cypress Creek Water Treatment Plant/Pump Station	$50,000 (actual)	2012	Completed
Morris Bridge Booster Station	$50,000 (actual)	2016	Completed
Tampa Bay Desalination Facility	$217,944 (actual)	2017-2018	Completed
Group 1 Drinking Water System: • Regional High Service Pump Station • Regional Alkalinity Adjustment Facility • Surface Water Treatment Plant	$177,547 (actual)	2020-2021	Completed
Group 2 Raw Surface Water system: • Regional Repump Station • Tampa Bypass Canal (Structure-162) Pump Station • South-Central Hillsborough Booster Station • Alafia River Pump Station	$175,000-$250,000	TBD*	Not Started Yet
Reservoir Off-stream Pump Station	$ 50,000-$60,000	TBD*	Not Started Yet

*Energy Audit planned dates will be determined according to criticality and resource loading.

Capital Improvements Program and Operational Optimization Projects

Operational Optimization Projects

Energy audits and pump testing provide opportunities for efficiency improvements through operational changes and pump maintenance activities as well as capital expenditures. Changes are identified in the investment grade energy audits conducted by third party experts. These audits identify both capital projects and operational optimization projects.

Cypress Creek Pump Station

An audit for the Cypress Creek Water Treatment Plant was completed in FY 2012. Energy savings of approximately 18% were realized in FY's 2013 - 2014 compared to the FY 2012 baseline year achieving a payback on the investment in 6 months. In FY 2015 Tampa Bay Water continued to save 6% compared to the baseline year. In FY 2016, effluent pressure at the Cypress Creek Pump Station increased from 55 psi to a new operating range of 65- 75 psi to meet Exhibit C of the Master Water Supply contract requirements. This increase in pumping pressures resulted in additional energy consumption at the facility with a decrease in energy savings compared to the baseline FY 2012. However, the increased cost would have been greater had the optimization not been completed. To better project future cost savings, FY 2016 will serve as the new baseline year to reflect the new operating conditions. FY 2018 and FY 2019 respectively had a 21% and 13% energy savings compared to the new FY 2016 Baseline. Future analysis will be conducted to determine the energy savings for FYs 2020-2022.

Capital Projects

Staff continues planning, design, and construction of energy savings-related capital projects. Staff has identified baseline energy use and costs for some of the Tampa Bay Water's facilities and is collecting data in others.

Clearwater Administration Building

At the Clearwater Administration Building, an energy savings project in the air conditioning system was completed in 2011. Energy savings of 25% - 49% were realized in FY's 2012 – 2023 compared to the FY 2009 baseline year. This averages to a yearly savings of $42,858. Payback for this project was achieved in five and half years. To date Tampa Bay Water has saved **$514,292** in energy costs at the Clearwater Administration building. In addition, the existing fluorescent light fixtures in the Clearwater Administration building were replaced in March 2021-April 2021 with LEDs. Staff are working to collect data to analyze the energy savings that will be reported in future Energy Status Board Reports.

South-Central Hillsborough Wellfield

The pumps at the South-Central Hillsborough Regional Wellfield were replaced in 2012. Energy savings between 4% to 24% were realized in FY's 2013 - 2023 compared to the FY 2009 baseline year. This averages yearly savings of $112,180 The payback for the investment in this project was achieved in early FY 2021 (nine years after project completion). To date Tampa Bay Water has saved **$1,233,987** in energy costs at this site.

Cross Bar Wellfield

The pumps and motors at the Cross-Bar Wellfield were replaced in 2015. Energy savings between 10% to 34% were realized in FY's 2016 - 2023 compared to the FY's 2009 baseline year. This averages a yearly savings of $224,511 at this rate the expected payback will be achieved in 2030 (15 years after project completion). To date Tampa Bay Water has saved **$1,796,094** in energy costs at the Cross-Bar Wellfield.

US 41 Pump Station

The pumps and motors at the US 41 Pump Station were replaced in 2016. Energy savings between 19% to 38 % were realized in FY's 2017 - 2023 compared to the FY's 2009 baseline year. Total energy cost savings to date is **$170,318** at the US 41 Pump Station.

Table 3 Identifies completed and active/on-going energy saving Capital Improvement Program projects.

Table 3: Capital Improvement Program Projects	
Project	**Status**
Completed	
Cross Bar Ranch Well Field Pumps & Motors Replacement	on-going collection of energy consumption data
Regional High Service Pump Station Pumps & Motors Repairs	
US-41 Pump Station Pumps and Motors Replacement	
Odessa Water Treatment Plant Pumps and Motors Replacement	
Alafia River Pump Station Pumps Replacement & Motors Repairs	
Cypress Creek Water Treatment Plant/Pump Station Pumps & Motors Repairs	
C.W. Bill Young Regional Reservoir Solar Project	
Active/On-Going	
Eldridge-Wilde Well Field Pumps and Motors Replacement	Construction
Morris Bridge Well Field Improvements	Construction
Cypress Bridge Wellfield Improvements	Construction

Table 4 Identifies future planned energy saving Capital Improvement Program projects.

Table 4: Future/Planned Projects in Capital Improvements Program
Starkey Wellfield Improvements
Cypress Creek Wellfield Improvements
Section 21 Wellfield Pumps and Motors
Northwest Hillsborough Wellfield Improvements
Cosme-Odessa Wellfield Improvements
Lake Bridge Pumps and Motors
Carrollwood Pumps and Motors
Alafia Pump Station Motors and VFDs
Brandon Urban Dispersed Wellfield Pumps and Motors Replacement
Harney Pump Station Pumps and Motors
Odessa Booster Station Pumps Replacement
Tampa Bypass Canal (MLK) Pumps
South Pasco Water Quality Treatment, Storage and Pumping, Improvements
Morris Bridge Booster Station Pumps 1 and 2 Replacement

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.7

DATE: February 9, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Maribel Medina, Planning and Projects Director

SUBJECT: Capital Improvements Program Executive Quarterly Report - *Receive Report*

SUMMARY

The Board accepted the Fiscal Years 2024-2033 Capital Improvements Program in May 2023. The attached report provides an update and status of the program and active projects.

SUGGESTED ACTION

Receive Fiscal Year 2024 First Quarter Capital Improvements Program Executive Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

Tampa Bay Water updates the Agency's Capital Improvement Program (CIP) Plan annually through the CIP Process which was originally presented to the Board at its February 15, 2010, meeting. The plan includes active and planned capital projects and their planned expenditures and funding sources. CIP projects are managed following best management practices and monitored to track scope, schedule, and cost changes. Each quarter, staff develops an Executive Quarterly Report to provide an update on the status of active projects, grant reimbursements to date, and a list of unspent funds upon projects' completion. Staff provides an update to the Board of Directors on the CIP status on a quarterly basis following the schedule below:

FY Quarter	Months Covered	Board Report
1	October 1st- December 31st	February
2	January 1st – March 31st	May
3	April 1st – June 30th	August
4	July 1st- September 30th	November

The Executive Quarterly Report includes several sections as described below.

1. Summary: Includes a general description of the CIP Plan and provides project summaries, including funding, schedule, budget, contract information and purchase orders.
2. Grant Funded Projects: Includes a list of capital projects that qualify for grant or co-funding and summarizes the grant funding entity, the expected funds to be received, funds received to date, and Tampa Bay Water's funding source to be reimbursed.
3. Active Projects Status Reports: Includes project status reports summaries for active projects. Projects are grouped by their phase as of the end of the reported quarter. Active project phases include Planning; Professional Services Selection; Design; Bidding/Construction Procurement; Construction; and Close-out.
4. Completed/Removed Projects: Includes a table summarizing projects that have been completed and projects that have been removed from the CIP.
5. Not Yet Started/Deferred Projects: Includes a list of planned projects that are set to start in future years.

Tampa Bay Water staff works closely with the member government utility directors and provides regular updates on its CIP activities and planned future projects. Staff works closely with the executive team ensuring that Agency priorities and strategic goals are reflected in CIP annual updates and budget so that the Agency can continue to deliver quality drinking water to the member governments at the points of connection.

BACKGROUND

Tampa Bay Water's CIP Plan is a comprehensive ten-year plan of approved and proposed capital projects. The CIP is updated annually and is subject to change as the needs for specific projects become better defined and final approval of individual projects is provided by the Board of Directors.

Attachment (1)

2024 Q1 CIP Quarterly Status Report

Capital Improvements Program

Quarterly Report

Fiscal Year 2024 Quarter 1

December 31, 2023



Project 01609: Brandon Booster Station

TAMPA BAY WATER
Supplying Water To The Region

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Summary

Tampa Bay Water's Capital Improvements Program is a 10-year plan including projects' planned expenditures for FYs 2024 - 2033. The Capital Improvements Program was accepted by the Board of Directors during the budget hearing at the May 2023 Board meeting.

This report includes:

- A summary of Grant Funded projects and funds reimbursed to date.
- A quarterly status report as of December 31, 2023 for all active projects in Planning, Professional Services Selection, Design, Bidding, Construction and Close-Out Phases.

Grant Funded Projects

Table 1 identifies projects with current grants or co-funding agreements. The table identifies the grant funding entity, the expected funds to be received, funds received to date. Tampa Bay Water typically applies for State of Florida Grant Assistance through the General Appropriations Act, Federal funding initiatives, and through the Southwest Water Management District (SWFWMD) Cooperative Funding Initiative.

Table 1: Grant Funded Projects

Project No.	Project Name	Funding Entity	Grant Maximum Total [1]	Reimbursed to Date	Transferred to Funding Source
01609	Southern Hillsborough County Supply Expansion: Booster Pump Station (Brandon Booster Station)	SWFWMD	$ 5,325,000.00	$ 3,923,035.70	Capital Improvements Fund (CIF)
01610 01616	South Hillsborough Pipeline (Segments A and B)	SWFWMD	$145,954,000.00	$ 1,489,141.05	Capital Improvements Fund (CIF)
07010	Regional Facility Site Pump Station Expansion	SWFWMD	$ 1,200,000.00	$ 1,199,999.95	Capital Improvements Fund (CIF)
07072	Tampa Bypass Canal Gates Automation	SWFWMD	$ 516,000.00	$ 516,000.00	Capital Improvements Fund (CIF)
50016	Eldridge-Wilde WF Pumps & Motors Replacement	State	$750,000.00	$ 735,135.82	Capital Improvements Fund (CIF)
Totals			**$153,745,000.00**	**$7,863,309.52**	

Notes:

1. Grant Maximum Total is the total funds awarded or requested by/to the funding entity. The total amount to be received could be less depending on the project's actual expenses for the awarded construction contract.

Planning Phase Projects

Project No.	Project Name

Note: 0 Total Projects

Professional Services Selection Phase Projects

Project No. **Project Name**

11021 : Developmental Alternatives Phase 1-Reclaimed Water Task Force

11022 : Feasibility Study for New Groundwater Sources

50052 : High Service Pump Station Ball Valve Replacement

Note: 3 Total Projects

Executive Quarterly Project Status Report - January 2024

Project Number	11021
Project Name	Developmental Alternatives Phase 1-Reclaimed Water Task Force
JPA Participant	None
Project Manager	Maribel Medina
Construction Manager	

Schedule		
Phase	**Start Date**	**End Date**
Publishing	09/13/2023	12/29/2023
Planning	09/13/2023	12/29/2023
Professional Services Selection	11/01/2023	01/22/2024
Construction or Execution	01/23/2024	01/24/2025
Close-Out	01/27/2025	04/21/2025
In-Service Date		

Project Description

This project includes Phase 1 of the evaluation of developmental alternatives such as indirect and direct potable reuse options as recommended in the 2023 Long-term Master Water Plan. Developmental alternatives are water supply sources or options that require more long-term analysis and study. The purpose of Phase 1 is to create a Reclaimed Water Task Force to more comprehensively evaluate the potential role of reclaimed water for beneficial reuse in regional water resource management in parallel to Tampa Bay Water's established Long-term Master Water Plan process. The task force will facilitate discussions and technical evaluations to characterize reclaimed water availability, opportunities, and constraints within the Tampa Bay Water region.

Funding Summary	
Funding Source	**Total**
Uniform Rate Funds	$446,340.00
Totals	**$446,340.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Construction or Execution	$446,340.00
Budget Total	**$446,340.00**
Total Encumbered To Date	**$446,340.00**
Remaining Budget	**$0.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20240317	Professional Services	$446,340.00	$0.00	$446,340.00
	Totals	**$446,340.00**	**$0.00**	**$446,340.00**

Notes

Completed Activities
- Developed Statement of Work, Schedule, and Budget to publish in Capital Improvements Program.
- Negotiated Scope of Services and fee with Hazen and Sawyer.

Upcoming Activities
- Approval of CIP task will be at the January 22, 2024 Board meeting.
- PO requisition and notice to proceed to be issued the week of Jan 22, 2024.
- Schedule initial meetings with member governments.

Executive Quarterly Project Status Report - January 2024

Project Number	11022
Project Name	Feasibility Study for New Groundwater Sources
JPA Participant	None
Project Manager	Danielle Keirsey
Construction Manager	

Schedule		
Phase	**Start Date**	**End Date**
Publishing	09/13/2023	11/13/2023
Planning	11/13/2023	12/10/2023
Professional Services Selection	12/11/2023	07/25/2024
Construction or Execution	07/30/2024	07/14/2027
Close-Out	07/15/2027	10/18/2027
In-Service Date		

Project Description

Evaluation of ground water supplies for the region have been consolidated to consider feasibility under one project. This includes evaluating the following concepts:

Consolidated Water Use Permit Increase

Eastern Pasco Wellfield (with brackish and/or fresh groundwater)

Desalination Plant Expansion (with brackish groundwater)

Funding Summary	
Funding Source	**Total**
Uniform Rate Funds	$10,217,000.00
Totals	**$10,217,000.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Professional Services Selection	$250,000.00
Construction or Execution	$9,967,000.00
Budget Total	**$10,217,000.00**
Total Encumbered To Date	
Remaining Budget	**$10,217,000.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
	Totals			**$0.00**

Notes
Updates: - This project includes 3 groundwater source concepts that were identified and approved by the board as part of the 2023 Long-term Master Water Plan for further feasibility. (1) Eastern Pasco Wellfield with brackish and/or fresh groundwater (2) Consolidated water use permit increase (3) Desalination Plant Expansion with brackish groundwater - The Request for Proposals for professional services for this study was advertised on January 16th. - A work assignment for modeling services with as-needed consultant, GSI, is going to the February board for approval. This work will support the Consolidated Water Use Permit project. GSI's services will also be utilized under the professional services contract that will be awarded later this year. - Staff are working with the Integrated Program Management Consultant, Black and Veatch, to analyze areas that may be suitable for the Eastern Pasco Wellfield. - The as-needed well drilling contracts are anticipated to support the test well construction activities for this project. Staff are reviewing the current contracts and providing feedback on how they can be updated to meet the needs of the Eastern Pasco Wellfield test well construction activities. The current contracts expire this September so this solicitation is expected to start this February-March. Upcoming: - A meeting with internal staff that will be performing and/or supporting modeling activities for this project is scheduled for Feb. 8th to coordinate tasks. -The pre-submittal selection committee prep meeting and pre-submittal conference are scheduled for next week on Feb. 6th and 7th, respectively. - Proposals are due on February 29th. - Maribel will be managing this project while Danielle is out of the office.

Executive Quarterly Project Status Report - January 2024

Project Number	50052
Project Name	High Service Pump Station Ball Valve Replacement
JPA Participant	None
Project Manager	Peter Faberbock
Construction Manager	Anthony Feria

Schedule		
Phase	**Start Date**	**End Date**
Planning	08/12/2016	11/10/2023
Professional Services Selection	11/13/2023	02/26/2024
Design	03/01/2024	09/13/2024
Bidding	09/16/2024	01/20/2025
Construction	02/03/2025	09/21/2026
In-Service Date		

Project Description

This project is located at the High Service Pump Station and includes repair or replacement of ball valves for Pump Nos. 1, 3, 4, and 5 and evaluation of the current condition and configuration of the associated control piping for any irregularities which could impact reliability.

Funding Summary	
Funding Source	**Total**
Renewal and Replacement Fund	$19,980.00
Bonds-360	$1,868,000.00
Totals	**$1,887,980.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Planning	$19,980.00
Design	$131,000.00
Construction	$1,693,000.00
Bidding	$44,000.00
Budget Total	**$1,887,980.00**
Total Encumbered To Date	**$19,980.00**
Remaining Budget	**$1,868,000.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20161065	Engineering Services	$19,980.00	$19,980.00	$0.00
	Totals	**$19,980.00**	**$19,980.00**	**$0.00**

Notes

Update Note:

Project is now off hold now that we have Black and Veatch's assessment of the potential system upgrades and the design configuration of the South Hillsborough Pipeline Design established at the High Service Pump Station at the Regional Facility.

Future Milestones:

-Complete procurement of engineering services and seek Board approval at the February Board Meeting.

Design Phase Projects

Project No. **Project Name**

01014 : Surface Water Treatment Plant Expansion

01610 : South Hillsborough Pipeline (Segment A)

01616 : South Hillsborough Pipeline (Segment B)

01620 : Clearwater Administration Building Parking Lot Expansion

07153 : Cross Bar Ranch Wellfield Water Transmission Main – Utility Conflict

07540 : South Hillsborough Wellfield-Phase 1

09108 : Cypress Creek Wellfield Surface Water Improvements-Phase 3

50021 : Morris Bridge WF Improvements

50071 : Cypress Creek Pump Station Variable Frequency Drives

50073 : Cypress Creek Water Treatment Plant 72-Inch Valve

Note: 10 Total Projects

Executive Quarterly Project Status Report - January 2024

Project Number	01014
Project Name	Surface Water Treatment Plant Expansion
JPA Participant	None
Project Manager	Adrienne Arceri
Construction Manager	David Gottwik

Schedule		
Phase	**Start Date**	**End Date**
Publishing	08/01/2022	10/03/2022
Planning	10/04/2022	11/30/2022
Professional Services Selection	10/27/2022	06/01/2023
Design	06/02/2023	02/07/2025
Bidding	07/01/2024	03/03/2025
Construction or Execution	11/05/2024	10/04/2027
Close-Out	10/06/2027	01/17/2028
In-Service Date		

Project Description

This project consists of an expansion to the Regional Surface Water Treatment Plant by adding a fifth treatment process train. The fifth treatment train will be identical to the existing Treatment Plant process trains which includes an actiflo ballasted-flocculation process, ozonation, biological Granular Activated Carbon filters, solids handling, chemical feed systems, finished water pumping, and control systems. Additionally, several improvement concepts were also assessed during the 2021 Surface Water Treatment Plant Expansion Feasibility Study to improve reliability and increase sustainability and will be included in the expansion effort.

This project will increase Tampa Bay Water's annual average yield of existing surface water supplies by 10 to 12.5 million gallons per day (mgd) with a 20 or 30 mgd rated treatment capacity train. A decision will be made on the total treatment capacity at preliminary design.

Funding Summary	
Funding Source	**Total**
Bonds-360	$48,611,013.77
Bonds-370	$132,534,106.97
Totals	**$181,145,120.74**

Budget Summary	
Project Phase	**Total Phase Budget**
Professional Services Selection	$240,523.75
Design	$26,263,668.36
Bidding	$22,106,821.00
Construction or Execution	$126,832,402.00
Close-Out	$5,701,705.00
Budget Total	**$181,145,120.11**
Total Encumbered To Date	**$7,419,019.00**
Remaining Budget	**$173,726,101.11**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20230283	Professional Services	$641,864.00	$533,865.75	$107,998.25
20230510	Design-Build	$6,777,155.00	$3,052,631.03	$3,724,523.97
	Totals	**$7,419,019.00**	**$3,586,496.78**	**$3,832,522.22**

Notes

Current Status:
-Design Decision for Value Engineering and Scope Reduction items submitted to Veolia and CDM Smith on January 12th. 30% design is underway based on these decisions.
-Initial workshops on permitting and procurement planning held.

Watch items/Upcoming Events:
-Design Build team will proceed with completing 30% design. 30% Design documents will be submitted to Tampa Bay Water by March 27.

Executive Quarterly Project Status Report - January 2024

Project Number	01610
Project Name	South Hillsborough Pipeline (Segment A)
JPA Participant	Hillsborough County
Project Manager	Peter Faberbock
Construction Manager	Richard Menzies

Schedule		
Phase	**Start Date**	**End Date**
Planning	10/01/2018	01/03/2021
Professional Services Selection	01/04/2021	08/16/2021
Design	08/16/2021	12/08/2025
Bidding	06/10/2024	02/16/2026
Construction	08/20/2024	01/04/2029
Close-Out	01/05/2029	04/16/2029
In-Service Date		

Project Description

This project includes the construction of a new transmission main “Segment A” of the South Hillsborough Pipeline. Segment A is anticipated to be mostly a 66-inch diameter, 18 -mile-long pipeline from the Tampa Bay Water’s Regional Facilities Site to the existing Lithia Point of Connection at Lithia Water Treatment Facility. The project when completed will be able to provide an additional 65 MGD of new supply to SE Hillsborough County. This project will receive co-funding from the SWFWMD's Cooperative Funding Initiative.

Funding Summary	
Funding Source	**Total**
Capital Improvement Fund	$2,825,000.61
Uniform Rate Funds	$15,000.00
SWFWMD Co-Funding	$103,567,800.00
Bonds-360	$32,094,284.75
Bonds-370	$223,902,591.65
Totals	**$362,404,677.01**

Budget Summary	
Project Phase	**Total Phase Budget**
Planning	$359,513.86
Design	$45,757,663.15
Bidding	$250,000.00
Construction	$308,392,000.00
Close-Out	$7,645,500.00
Budget Total	**$362,404,677.01**
Total Encumbered To Date	**$32,984,575.21**
Remaining Budget	**$329,420,101.80**

Purchase Orders/Other Encumbrances				
PO/Other	**PO Type**	**Total Encumbered**	**Actuals To Date**	**Balance PO**
20190184	Engineering Services	$177,820.00	$177,820.00	$0.00
20190309	Engineering Services	$141,725.11	$141,725.11	$0.00
20190562	Professional Services	$20,750.00	$6,468.75	$14,281.25
20190689	Professional Services	$15,000.00	$15,000.00	$0.00
20210238	Engineering Services	$18,500.00	$18,500.00	$0.00
20220157	Engineering Services	$3,877,621.00	$3,661,675.30	$215,945.70
20220241	Engineering Services	$275,000.00	$275,000.00	$0.00

PropertyID10015	Property	$231,999.25	$231,999.25	$0.00
PropertyID10014	Property	$492,999.75	$492,999.75	$0.00
20230397	Property	$31,881.00	$31,881.00	$0.00
20230398	Property	$44,110.00	$44,110.00	$0.00
20230399	Legal Services	$175,000.00	$18,397.50	$156,602.50
20230400	Property	$7,063.00	$7,063.00	$0.00
20230464	Professional Services	$23,128,461.00	$152,999.08	$22,975,461.92
20240180	Professional Services	$699,790.00	$61,103.70	$638,686.30
20240253		$3,646,855.10	$57,476.55	$3,589,378.55
	Totals	**$32,984,575.21**	**$5,394,218.99**	**$27,590,356.22**

Notes

Garney continues to provide 30% design deliverables and comments on the basis of design report: Submitted to date:
1. Segment A&B Easement evaluation with recommendations on easement width and placement within the right of way. Garney also provided initial comments on pipe alignment that will be evaluated by the Tampa Bay Water Design Team.
2. Project schedule relating to Guaranteed Maximum Price contract strategy and how it will integrate into the overall project schedule. The integration is being reviewed by the Tampa Bay Water Team.
3. Initial Risk Register has been provided by Garney and is currently under review. A Risk Workshop will be scheduled soon.
Wade Trim and Wade Trim continue with 60% design activities relating to the new pipe's vertical alignment and how the comments from Garney can be integrated into the design.
The Real Estate Team from Tampa Bay Water and the Design teams continue property acquisition strategy and have started evaluating the Garney needs on the project. Team will move forward with acquiring permanent easements where the team is certain easements will not change.
Permitting strategy is being reviewed for impacts within the schedule. Wade Tri m and Stantec will request preliminary meetings with regulatory agency to get an understanding of the permit process on this large project. This will also serve as a precursor to the preapplication meeting.
Stakeholder Communications are continuing specifically with Hillsborough County and the Southwest Florida Water Management District with the following topics being discussed.
1. Hillsborough Solid Waste District: Several meetings have been held to discuss the timing and alignment of the pipeline through their facility. Tampa Bay Water will adjust the alignment of the pipeline to minimize impacts and will include mitigating disruptions to the 24 hour operation.
2. Hillsborough County Water Resources:
A. Discussions held on upcoming project at the Balm POC and suggestions on how to keep our design moving forward until they have a contractor/design team on board to provide guidance on the layout of their facility.
B. Discussions on the reimbursement schedule for Segment B with the formal submittal of the request and discussions on overall total project costs.
3. Hillsborough County ELAPP Staff discussions on the requested easements needed for this project that impact their lands. Tampa Bay Water has worked with the ELAPP staff to ensure their concerns have been addressed.
4. Southwest Florida Water Management District: discussions surrounding the overall costs of the project were discussed and review of the reimbursement schedule. The teams will determine what work constitutes start of construction and will allow for reimbursements to begin. Secondly, Tampa Bay Water was invited to the third party review of the pipeline 30% peer review.
Public Information efforts continue with the transition of Dialogue from primary to a supporting role now that Garney has employed DJ Public Relations to take over the lead role as required by their contract. A new website and call in number will be issued in the coming weeks.

Upcoming Milestones:
Completion of the Third Party Review
Baseline of the project schedule that integrates the Garney timeline.
Risk workshop along with a value engineering workshop will be conducted within the coming months.
60% design completion and submittal of project permitting for USACOE Primary Environmental and Section 404 permits

Executive Quarterly Project Status Report - January 2024

Project Number	01616
Project Name	South Hillsborough Pipeline (Segment B)
JPA Participant	Hillsborough County
Project Manager	Peter Faberbock
Construction Manager	Richard Menzies

Schedule		
Phase	**Start Date**	**End Date**
Planning	06/01/2020	01/04/2021
Professional Services Selection	01/04/2021	08/16/2021
Design	08/16/2021	12/08/2025
Bidding	06/10/2024	02/16/2026
Construction	08/20/2024	01/04/2029
Close-Out	01/05/2029	04/16/2029
In-Service Date		

Project Description

This project includes the construction of a new transmission main “Segment B” of the South Hillsborough Pipeline. Segment B is anticipated to be mostly a 66-inch diameter, 8-mile-long pipeline from an interconnection point along Segment A or at Lithia Water Treatment Facilities site to a new Point of Connection to Hillsborough County at their South County Drinking Water Facility in the Balm-Riverview area. The project when completed will be able to provide an additional 60 MGD of new supply to SE Hillsborough County. Project is a result of the signed Memorandum of Understanding and a Joint Project Agreement with Hillsborough County in 2020. This project will receive co-funding from the SWFWMD's Cooperative Funding Initiative.

Funding Summary	
Funding Source	**Total**
Member Goverment Contribution-JPA	$100,103,130.00
SWFWMD Co-Funding	$44,386,200.00
Totals	**$144,489,330.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$25,788,647.00
Construction	$118,700,683.00
Budget Total	**$144,489,330.00**
Total Encumbered To Date	**$16,381,937.90**
Remaining Budget	**$128,107,392.10**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20220241	Engineering Services	$275,000.00	$275,000.00	$0.00
20220253	Engineering Services	$3,157,340.00	$2,427,541.52	$729,798.48
20230399	Legal Services	$175,000.00	$8,503.00	$166,497.00
20230521	Professional Services	$10,911,750.00	$289,822.20	$10,621,927.80
20240180	Professional Services	$299,910.00	$26,187.30	$273,722.70
20240253		$1,562,937.90	$25,513.91	$1,537,423.99
	Totals	**$16,381,937.90**	**$3,052,567.93**	**$13,329,369.97**

Notes
Update Note: Project update notes are included in Project 01610.

Executive Quarterly Project Status Report - January 2024

Project Number	01620
Project Name	Clearwater Administration Building Parking Lot Expansion
JPA Participant	None
Project Manager	Peter Faberbock
Construction Manager	David Gottwik

Schedule		
Phase	**Start Date**	**End Date**
Publishing	12/12/2022	01/31/2023
Planning	02/01/2023	03/23/2023
Professional Services Selection	03/24/2023	05/23/2023
Design	05/23/2023	06/13/2024
Bidding	06/14/2024	01/21/2025
Construction	01/22/2025	08/06/2025
Close-Out	08/07/2025	10/20/2025
In-Service Date		

Project Description

This project will construct a new parking lot at the Tampa Bay Water Clearwater office. The new parking lot is planned to be constructed on the existing grassed area on site (previously identified as training center for irrigation) to provide additional parking spaces for Tampa Bay Water professionals and visitors.

Funding Summary	
Funding Source	**Total**
Released Debt Service Reserve Fund	$1,134,000.00
Totals	**$1,134,000.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$175,069.00
Bidding	$22,000.00
Construction	$921,931.00
Close-Out	$15,000.00
Budget Total	**$1,134,000.00**
Total Encumbered To Date	**$280,712.00**
Remaining Budget	**$853,288.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20230520		$280,712.00	$82,022.87	$198,689.13
	Totals	**$280,712.00**	**$82,022.87**	**$198,689.13**

Notes

Update Note:

Ardurra has submitted the 90% and the Tampa Bay Water Team has started the review process.

Meeting held with internal Tampa Bay Water staff, Nicole and Joel on the permitting for the Environmental Resource Permit (ERP).

Upcoming Milestones:
Board Approval to submit the project Environmental Resource Permit will be on the February agenda.
Project will start the bidding process for construction services

Executive Quarterly Project Status Report - January 2024

Project Number	07153
Project Name	Cross Bar Ranch Wellfield Water Transmission Main – Utility Conflict
JPA Participant	None
Project Manager	Peter Faberbock
Construction Manager	David Gottwik

Schedule		
Phase	**Start Date**	**End Date**
Publishing	12/02/2022	05/13/2023
Planning	04/03/2023	07/07/2023
Professional Services Selection	07/10/2023	08/21/2023
Design	08/22/2023	01/30/2025
Bidding	01/31/2025	09/03/2025
Construction or Execution	08/20/2025	05/26/2027
Close-Out	05/27/2027	09/20/2027
In-Service Date		

Project Description

Florida Department of Transportation (FDOT) has an expansion project for State Road (SR-52) that will cause a conflict with Tampa Bay Water's 60-inch Cross Bar Ranch Wellfield water main including valves and FDOT's proposed 42-inch stormwater drainage piping on the north side of SR-52 and a 19-inch x 30-inch stormwater pipe on the south side of SR-52.

Funding Summary	
Funding Source	**Total**
State Grant	$148,420.00
Renewal and Replacement Fund	$2,524,580.00
Totals	**$2,673,000.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$289,766.00
Construction or Execution	$2,383,234.00
Budget Total	**$2,673,000.00**
Total Encumbered To Date	**$289,766.00**
Remaining Budget	**$2,383,234.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20230661	Engineering Services	$289,766.00	$20,030.80	$269,735.20
	Totals	**$289,766.00**	**$20,030.80**	**$269,735.20**

Notes
Update Note: Wade Trim submitted the 60% design. Tampa Bay Water Staff are reviewing the submission of documents and will provide comments back for inclusion into the 90% design. Meeting held with the Florida Department of Transportation to review the project alignment and discuss any potential changes to their design to ensure we do not impact each other in the design and subsequent construction phase. Wade Trim submitted their Engineers Probable Cost of Construction which is being reviewed; Upon Tampa Bay Water approval the estimate will be shared with Florida Department of Transportation for acceptance and integrated for reimbursement. Subsurface soil investigation reveal limestone approximately 25' Below Grade. This will allow for Micro tunnelling operations to install the new pipe. Future milestones: -Finalize estimate of construction costs to submit to FDOT for Reimbursement. -Develop Risk Register -Continued coordination with FDOT will occur on a monthly basis -90% Submittal: 4/3/24 -ERP Permit submittal -Construction Bidding

Executive Quarterly Project Status Report - January 2024

Project Number	07540
Project Name	South Hillsborough Wellfield-Phase 1
JPA Participant	None
Project Manager	Danielle Keirsey
Construction Manager	David Gottwik

Schedule		
Phase	**Start Date**	**End Date**
Planning	03/01/2023	04/13/2023
Professional Services Selection	04/14/2023	06/05/2023
Design	06/06/2023	07/15/2024
Bidding	07/16/2024	11/25/2024
Construction or Execution	11/26/2024	01/19/2026
Close-Out	01/20/2026	04/20/2026
In-Service Date		

Project Description

South Hillsborough County has experienced rapid growth in population and water demands. To support the water demands, Tampa Bay Water and Hillsborough County staff developed an agreement to provide a short-term supply concept. This concept involves converting the existing Test Well (at the Well No. 5 site) into a production well and adding a water treatment system to allow up to 2.3 MGD of potable water supply to be delivered directly into the Hillsborough County water distribution system to support meeting the demands of the South-Central service area. Tampa Bay Water will obtain the Water Use Permit and design and construct the improvements to allow raw water supply from this well to be delivered into County's facilities for treatment. Tampa Bay Water Improvements include a new well pump and additional infrastructure needed up to an interconnect meter at this well site. Hillsborough County will be responsible for treatment facilities at the well site and pipeline to the County's distribution system.

Funding Summary	
Funding Source	**Total**
Released Debt Service Reserve Fund	$1,817,000.00
Totals	**$1,817,000.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$491,961.00
Bidding	$11,740.00
Construction or Execution	$1,263,299.00
Close-Out	$50,000.00
Budget Total	**$1,817,000.00**
Total Encumbered To Date	**$591,800.80**
Remaining Budget	**$1,225,199.20**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20230509	Professional Services	$34,500.00	$14,339.25	$20,160.75
20230514	Engineering Services	$396,943.00	$0.00	$396,943.00
20230515	Construction	$149,750.00	$149,750.00	$0.00
20230568	Engineering Services	$10,607.80	$10,607.80	$0.00
	Totals	**$591,800.80**	**$174,697.05**	**$417,103.75**

Notes
- Black and Veatch assisted in developing design parameters and the primary design point and the secondary design points based on information that was provided by Hillsborough County. - Design activities for the short-term/temporary well are underway. The 30% design technical memorandum is anticipated in late February. The technical memorandum will be sent out to staff for review and comment. The next deliverable will be the 90% design. Upcoming Activities/Tasks: - Continue coordinating with Hillsborough County project managers regarding project design and property. - Initiate discussions with procurement to develop a solicitation timeline. Final documents should be available the beginning of July. - Indigo Dunn will be taking over as the project manager once Danielle is out of the office.

Executive Quarterly Project Status Report - January 2024

Project Number	09108
Project Name	Cypress Creek Wellfield Surface Water Improvements-Phase 3
JPA Participant	None
Project Manager	Peter Faberbock
Construction Manager	Anthony Feria

Schedule		
Phase	**Start Date**	**End Date**
Planning	04/04/2022	05/06/2022
Professional Services Selection	05/09/2022	11/07/2022
Design	11/08/2022	09/30/2024
Bidding	10/01/2024	01/20/2025
Construction	01/21/2025	07/14/2025
Close-Out	07/15/2025	09/15/2025
In-Service Date		

Project Description

Wetland enhancements were previously constructed within the Cypress Creek Wellfield in 2007 and 2015. The original project aimed to change surface water drainage patters on the CCWF to rehydrate wetlands which were affected by ground water withdrawal, and to help reduce nuisance flooding in two nearby residential developments. Additional improvements were made in 2015 to further enhance hydrology in several wetlands. Monitoring of wetlands has shown that these enhancements have been successful. In 2020, a feasibility was completed which evaluated and recommended several additional improvements to further enhance target wetlands. This project includes the design, permitting and post design services needed to finalize the design, obtain necessary permits, assist Tampa Bay Water with construction contractor selection, and provide additional assistance throughout the construction process.

Funding Summary	
Funding Source	**Total**
Uniform Rate Funds	$867,741.97
Totals	**$867,741.97**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$247,658.98
Bidding	$17,411.38
Construction	$580,025.87
Close-Out	$22,645.74
Budget Total	**$867,741.97**
Total Encumbered To Date	**$319,511.98**
Remaining Budget	**$548,229.99**

Purchase Orders/Other Encumbrances				
PO/Other	**PO Type**	**Total Encumbered**	**Actuals To Date**	**Balance PO**
20230203	Professional Services	$319,511.98	$148,269.56	$171,242.42
	Totals	**$319,511.98**	**$148,269.56**	**$171,242.42**

Executive Quarterly Project Status Report - January 2024

Notes
Update Note: -Environmental Resource Permit (ERP) permit submitted by PSG, the Design Engineer, and provided response to the first Request for Information (RFI.) PSG met with the Southwest Florida Water Management District for review of the ERP in the field on 1/22/24. Future milestones: -Complete 100% Design Plans: 4/24. -Bid for Construction

Executive Quarterly Project Status Report - January 2024

Project Number	50021
Project Name	Morris Bridge WF Improvements
JPA Participant	None
Project Manager	Nicole Thomas
Construction Manager	David Gottwik

Schedule		
Phase	**Start Date**	**End Date**
Planning	04/01/2014	09/30/2015
Professional Services Selection	01/13/2020	10/19/2020
Design	10/20/2020	12/06/2024
Bidding	12/09/2024	04/21/2025
Construction	04/22/2025	01/24/2028
In-Service Date		

Project Description

This project is located at the Morris Bridge Wellfield and includes: replacing the pumps and motors, main disconnect switch; and ancillary power equipment and associated load panels for 15 of the Morris Bridge Wellfield Pumps and Motors. In addition, new over-current protection devices will be added to reduce the Arc Flash hazard.

Funding Summary	
Funding Source	**Total**
Renewal and Replacement Fund	$2,880,721.50
Capital Improvement Fund	$13,055,023.00
Totals	**$15,935,744.50**

Budget Summary	
Project Phase	**Total Phase Budget**
Planning	$83,151.50
Design	$1,489,233.50
Bidding	$26,800.00
Construction	$14,336,559.50
Budget Total	**$15,935,744.50**
Total Encumbered To Date	**$2,380,722.50**
Remaining Budget	**$13,555,022.00**

Purchase Orders/Other Encumbrances				
PO/Other	**PO Type**	**Total Encumbered**	**Actuals To Date**	**Balance PO**
20140795	Professional Services	$83,151.50	$83,151.50	$0.00
20210239	Engineering Services	$2,297,571.00	$1,329,133.01	$968,437.99
	Totals	**$2,380,722.50**	**$1,412,284.51**	**$968,437.99**

Notes
Design: On January 18th, held a project meeting with the Southwest Florida Water Management District reviewing the upcoming permit and variance activities. Variance request package questions and updates after the SWFWMD meeting were provided to Stantec to incorporate. Further adjustments to the design based on Hillsborough County building permit staff feedback will be incorporated. Once the design is finalized, the plan is to delay the bidding process. Coordination with Hillsborough County Flatwoods Park staff continues, providing periodic project updates to ranger staff. In addition, coordination continues with Hillsborough County on re-purposing 3 of the 5 structures. Property: Coordination continues with the Southwest Florida Water Management District (underlying property owner) and Hillsborough County to develop property transfer documents. Permitting: FDEP Southwest District Office confirmed the project activities were exempt from both the Environmental Resource Program permit and the Public Drinking Water supply permit requirements.

Executive Quarterly Project Status Report - January 2024

Project Number	50071
Project Name	Cypress Creek Pump Station Variable Frequency Drives
JPA Participant	None
Project Manager	Mike Sakales
Construction Manager	Anthony Feria

Schedule		
Phase	**Start Date**	**End Date**
Planning	06/01/2022	08/02/2022
Professional Services Selection	08/03/2022	12/12/2022
Design	12/13/2022	08/02/2024
Bidding	08/05/2024	02/12/2025
Construction	02/13/2025	02/12/2026
Close-Out	02/13/2026	06/06/2026
In-Service Date		

Project Description

This project is located at the Cypress Creek Pump Station in Pasco County and includes the replacement of Variable Frequency Drive (VFD) No. 1 and the control boards and power modules for VFDs No. 2 and No. 6. This project will maintain a level of service required on a system-wide scale while reducing operations and maintenance costs.

Funding Summary	
Funding Source	**Total**
Capital Improvement Fund	$1,345,000.00
Totals	**$1,345,000.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$36,141.00
Bidding	$3,616.00
Construction	$1,190,972.00
Close-Out	$114,271.00
Budget Total	**$1,345,000.00**
Total Encumbered To Date	**$128,990.00**
Remaining Budget	**$1,216,010.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20230298	Engineering Services	$128,990.00	$34,333.95	$94,656.05
	Totals	**$128,990.00**	**$34,333.95**	**$94,656.05**

Notes

Current Status:
The 75% submittal is being reviewed by the internal project team.
The specifications and cost estimate were submitted.
Future Milestones:
Final documents will be submitted early this year.
Bidding phase will begin in August of 2024.

Executive Quarterly Project Status Report - January 2024

Project Number	50073
Project Name	Cypress Creek Water Treatment Plant 72-Inch Valve
JPA Participant	None
Project Manager	Peter Faberbock
Construction Manager	Anthony Feria

Schedule		
Phase	**Start Date**	**End Date**
Planning	01/21/2022	06/16/2022
Professional Services Selection	06/17/2022	09/08/2023
Design	09/11/2023	04/14/2025
Bidding	04/15/2025	01/28/2026
Construction	01/29/2026	03/02/2027
Close-Out	03/03/2027	05/10/2027
In-Service Date		

Project Description

This project is located at the north side of the Cypress Creek Water Treatment Plant (CCWTP) in Pasco County, Fl. The project includes the replacement of a 72 -inch butterfly valve located in the 72-in steel transmission main on the post side of the CCWTP, the relocation of the chemical injection points and post node analyzer building. A temporary bypass will be required during the repairs.

Funding Summary	
Funding Source	**Total**
Capital Improvement Fund	$1,694,000.00
Bonds-360	$4,909,000.00
Totals	**$6,603,000.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$1,684,306.00
Bidding	$9,694.00
Construction	$4,450,000.00
Close-Out	$459,000.00
Budget Total	**$6,603,000.00**
Total Encumbered To Date	**$984,306.00**
Remaining Budget	**$5,618,694.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20230682	Engineering Services	$836,348.00	$0.00	$836,348.00
20230683	Engineering Services	$147,958.00	$0.00	$147,958.00
	Totals	**$984,306.00**	**$0.00**	**$984,306.00**

Notes
Update Note: Tampa Bay Water Engineering Team met with Jacob's PM and Lead engineer to remove confusion within the design and scope of the project to ensure alignment between both parties moving forward. This ultimately led to some changes in the approach and will require Jacob's to provide a recommendation on hot tapping the main without a shutdown so the new valve and venturi meter can be installed. A revised schedule and and revised priority on valve assessment will be forthcoming by Jacobs. Established bypass must be designed for the following: 90MGD, 80MGD if 90MGD is not feasible. Max flow is 105MGD. Velocity not to exceed 10ft/Sec.

Bidding Phase Projects

Project No. **Project Name**

50051 : Cypress Creek Water Treatment Plant Chemical Piping Replacement

Note: 1 Total Projects

Executive Quarterly Project Status Report - January 2024

Project Number	50051
Project Name	Cypress Creek Water Treatment Plant Chemical Piping Replacement
JPA Participant	None
Project Manager	Adrienne Arceri
Construction Manager	David Gottwik

Schedule		
Phase	**Start Date**	**End Date**
Design	01/10/2022	12/28/2023
Bidding	12/29/2023	06/03/2024
Construction	06/04/2024	07/28/2025
Close-Out	07/29/2025	09/15/2025
In-Service Date		

Project Description

This project is located at the Cypress Creek Water Treatment Plant and includes the replacement of the existing chemical feed systems for (A) Sodium Hydroxide (NaOH), (B) Ammonium Hydroxide (NH3), and (C) Sodium Hypochlorite (NaOCl). The project includes the above and below ground chemical piping, chemical pumps, bulk chemical tanks, and in-pipe chemical injection points.

Funding Summary	
Funding Source	**Total**
Renewal and Replacement Fund	$819,965.00
Bonds-360	$8,497,035.00
Totals	**$9,317,000.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$448,615.00
Bidding	$18,800.00
Construction	$8,108,385.00
Close-Out	$741,200.00
Budget Total	**$9,317,000.00**
Total Encumbered To Date	**$819,965.00**
Remaining Budget	**$8,497,035.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20230220	Engineering Services	$819,965.00	$415,565.80	$404,399.20
	Totals	**$819,965.00**	**$415,565.80**	**$404,399.20**

Notes

Current Status:
-Invitation To Bid advertised on Bonfire on January 26.

Watch items/upcoming events:
-Pre-submittal bid meeting and site visit is scheduled for February 15.
-Bids are due by March 21.

Construction Phase Projects

Project No. Project Name

01609 : Southern Hillsborough County Supply Expansion-Booster Pump Station (Brandon Booster Station)

07033 : Tampa Bay Desalination Facility Intake Connection Improvements-Phase 2

07131 : Cosme Water Treatment Plant Yard Piping Improvements

07605 : SCADA-System Monitoring

07606 : SCADA Hardware Replacement and Enhancement

50016 : Eldridge-Wilde WF Pumps and Motors Replacement

50031 : Cypress Bridge Wellfield Improvements

50040 : Eldridge Wilde WF Underground Powerline

50046 : Lake Bridge Chemical Piping Replacement

50049 : High Service Pump Station Chemical Piping Replacement

50074 : C.W. Bill Young Regional Reservoir-Compressors Replacement

50075 : Surface Water Treatment Plant-Renewal and Replacement Program-Phase 1

Note: 12 Total Projects

Executive Quarterly Project Status Report - January 2024

Project Number	01609
Project Name	Southern Hillsborough County Supply Expansion-Booster Pump Station (Brandon Booster Station)
JPA Participant	None
Project Manager	Eliana Lara
Construction Manager	Anthony Feria

Schedule		
Phase	**Start Date**	**End Date**
Planning	07/05/2019	12/31/2020
Professional Services Selection	07/05/2019	04/20/2020
Design	04/20/2020	04/01/2022
Construction	08/16/2021	03/29/2024
Bidding	03/31/2022	08/15/2022
Close-Out	03/29/2024	08/19/2024
In-Service Date		

Project Description

The project is needed to address the short-term water supply needs of Southern Hillsborough County and includes acquiring fee property and the design, permitting, and construction of a new in-line booster station in the vicinity of production well BUD-7. The new Booster Station will be named Brandon Booster Station and will take advantage of residual line pressure in the Brandon Transmission Main coming from the High Service Pump Station and boost pressures to sustain a higher flow rate to the existing Lithia POC than is possible using only High Service Pump Station discharge pressure. The Booster Pump Station will be designed to have booster capacity of 20 MGD with a net gain in transmission line flow of approximately 5 MGD to 7 MGD.

Note: This project will receive up to $5,325,000 through the SWFWMD's Cooperative Funding Initiative.

Funding Summary	
Funding Source	**Total**
Capital Improvement Fund	$12,791,330.90
SWFWMD Co-Funding	$5,325,000.00
Renewal and Replacement Fund	$159.00
Totals	**$18,116,489.90**

Budget Summary	
Project Phase	**Total Phase Budget**
Planning	$447,618.51
Design	$1,373,591.80
Bidding	$29,801.00
Construction	$16,170,706.59
Close-Out	$94,772.00
Budget Total	**$18,116,489.90**
Total Encumbered To Date	**$18,077,190.91**
Remaining Budget	**$39,298.99**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20190660	Engineering Services	$23,656.00	$23,656.00	$0.00
20190680	Professional Services	$28,572.01	$28,572.01	$0.00
20200318	Professional Services	$5,000.00	$5,000.00	$0.00
Property Purchase	Property	$382,290.50	$382,290.50	$0.00
20200453	Professional Services	$8,100.00	$8,100.00	$0.00
20200512	Engineering Services	$706,981.89	$706,981.89	$0.00
20210308	Engineering Services	$237,409.82	$196,974.82	$40,435.00
Miscellaneous	Miscellaneous Expenses	$159.00	$159.00	$0.00
20210619	Professional Services	$1,335,511.11	$1,123,439.20	$212,071.91

Permit-PWS-BBS	Permit Fees	$1,000.00	$1,000.00	$0.00
Permit-PWS-BUD7	Permit Fees	$1,000.00	$1,000.00	$0.00
Permit-Site-BBS	Permit Fees	$3,106.98	$3,106.98	$0.00
Permit-ERP-BBS	Permit Fees	$420.00	$420.00	$0.00
20220279	Construction	$1,719,635.64	$1,521,246.57	$198,389.07
20220280	Construction	$1,411,101.70	$1,269,144.75	$141,956.95
20210656	Construction	$315,382.60	$247,650.21	$67,732.39
20210658	Construction	$3,865,758.57	$3,360,468.99	$505,289.58
20220403	Construction	$8,790.24	$8,790.24	$0.00
20220404	Construction	$7,304,305.00	$6,538,273.08	$766,031.92
20220471	Construction	$719,009.85	$191,862.37	$527,147.48
	Totals	**$18,077,190.91**	**$15,618,136.61**	**$2,459,054.30**

Notes

Current Status:
District Co-funding Reimbursement Request #1 Rev 2 submitted on 01-17-2024 – Pending
CHA Owner's Allowance #8 – Pending draft submittal.

GMP No.1, Lithia Point of Connection (POC) Flow Control Valve Update:
Future Milestones:
• Closeout of Project.

GMP No.2, Early Equipment Procurement Update:
Future Milestones:
• Final Billing and Closeout of project

GMP No.3, Temporary Pumping System:
• The temporary pump station has been decommissioned.
Future Milestones:
• Final Billing and Closeout of project

GMP No.4, Underground Piping Installation:
• Relocation of combination air valve (CAV) on Durant Road.
Future Milestones:
• Closeout Right-of- way permit
• Punchlist
• Final Billing and Closeout of project

GMP No.5, Brandon Urban Dispersed (BUD) Well No. 7:
• Variable frequency drive delivered.
Future Milestones:
• Schedule shutdown of BUD 7 to install new pump.

GMP No.6, Brandon Booster Station General Construction Update:
• Pump station started up on January 3rd. 30-day Operational Acceptance Testing started.
• Landscaping and Irrigation in progress
• Paving Driveway and Parking Lot in progress
Future Milestones:
• Installation of Pergola – February 2024
• Permit Closeout
• Punchlist

Executive Quarterly Project Status Report - January 2024

Project Number	07033
Project Name	Tampa Bay Desalination Facility Intake Connection Improvements-Phase 2
JPA Participant	None
Project Manager	Danielle Keirsey
Construction Manager	Anthony Feria

Schedule		
Phase	**Start Date**	**End Date**
Planning	03/01/2021	09/20/2021
Professional Services Selection	09/20/2021	10/18/2021
Design	10/18/2021	06/01/2022
Bidding	06/02/2022	12/07/2022
Construction	12/08/2022	04/07/2025
Close-Out	04/07/2025	07/21/2025
In-Service Date		

Project Description

This project is located at the Tampa Bay Seawater Desalination Water Treatment Plant (Desal Plant). This project includes the installation of a new pipeline and pump station at Tampa Electric Company's (TECO's) Big Bend power plant. The new pipeline will connect the Tunnel 1 intake pipeline connection and isolation valve, installed in Phase 1, to the existing Desal Intake Pump Facility.

Funding Summary	
Funding Source	**Total**
Capital Improvement Fund	$1,221,178.73
Bonds-360	$22,450,100.00
Totals	**$23,671,278.73**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$392,923.73
Bidding	$24,003.00
Construction	$23,254,352.00
Budget Total	**$23,671,278.73**
Total Encumbered To Date	**$23,555,206.73**
Remaining Budget	**$116,072.00**

Purchase Orders/Other Encumbrances				
PO/Other	**PO Type**	**Total Encumbered**	**Actuals To Date**	**Balance PO**
20220226	Design Criteria Professional	$416,926.73	$416,926.73	$0.00
20230284	Engineering Services	$688,180.00	$170,966.19	$517,213.81
20230292	Design-Build	$22,450,100.00	$2,473,850.00	$19,976,250.00
	Totals	**$23,555,206.73**	**$3,061,742.92**	**$20,493,463.81**

Executive Quarterly Project Status Report - January 2024

Notes
Design Updates: - A design review meeting for the 100% design was held on January 24th. Archer Western is working to address comments and update the plans. - Wade-Trim submitted the Florida Department of Environmental Protection National Pollutant Discharge Elimination System permit. - The pump submittal has been approved and the estimated shipping date is 12/19/24. Construction Update: - Reviewing of submittals - Relocation of TECO's existing utilities is in progress. Coordinating (2) conduits to be relocated. All other utilities have been relocated. - Existing pumps 1&3 have been removed. Demolition of associated pump cans to be done soon. Future Milestones: - Excavation, dewatering installation, and installation of shoring system. - Installation of concrete casing for ground improvements. - Installation of pump cans

Executive Quarterly Project Status Report - January 2024

Project Number	07131
Project Name	Cosme Water Treatment Plant Yard Piping Improvements
JPA Participant	City of St. Petersburg
Project Manager	James Smith
Construction Manager	Richard Menzies

Schedule		
Phase	**Start Date**	**End Date**
Planning	05/01/2007	08/21/2015
Design	07/23/2015	11/29/2018
Bidding	11/30/2018	10/21/2019
Construction	01/02/2023	04/01/2026
In-Service Date		

Project Description

This project is located at the Cosme Water Treatment Plant (WTP) and includes new yard piping to permanently connect the South Pasco Transmission Main (TM) to the Northwest Hillsborough TM, and complete a conceptual design for a future emergency interconnection piping at the Cosme WTP site. The connection between the two transmission mains upstream of the Cosme WTP will allow the South Pasco TM to be kept fresh while the Cosme Bypass piping is being utilized. This project is being constructed by the City of St. Petersburg pursuant to the joint project agreement with Tampa Bay Water.

Funding Summary	
Funding Source	**Total**
Uniform Rate Funds	$900.00
Capital Improvement Fund	$1,573,484.22
Revenue Bonds (350)	$35,296.78
Totals	**$1,609,681.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Planning	$900.00
Design	$72,171.78
Construction	$1,536,609.22
Budget Total	**$1,609,681.00**
Total Encumbered To Date	**$116,681.00**
Remaining Budget	**$1,493,000.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20090910	Engineering Services	$36,875.00	$36,875.00	$0.00
Permit Fees	Permit Fees	$900.00	$900.00	$0.00
JPA-Design	JPA-Design	$78,906.00	$35,296.78	$43,609.22
	Totals	**$116,681.00**	**$73,071.78**	**$43,609.22**

Notes

Current Status:
The City of St. Petersburg is in conversations with Wharton Smith for the early start and completion of Tampa Bay Water's portion of the Cosme Optimization Project. The Wharton Smith team provided initial proposals for the work, the City of St. Petersburg intends to meet and discuss pricing, Tampa Bay Water staff will also be in attendance.

Future Milestones:
• Engaging previous engineering firm to update the plans
• Negotiate construction pricing
• Escrow account funding (as required per joint project agreement, after estimate is received and Wharton Smith and The City of St. Petersburg are under contract, estimated early 2024)

Executive Quarterly Project Status Report - January 2024

Project Number	07605
Project Name	SCADA-System Monitoring
JPA Participant	None
Project Manager	Abdel Hussein
Construction Manager	Abdel Hussein

Schedule		
Phase	**Start Date**	**End Date**
Planning	06/06/2022	09/16/2022
Professional Services Selection	09/16/2022	09/16/2022
Design	09/19/2022	08/31/2023
Bidding	09/01/2023	11/30/2023
Construction	12/01/2023	05/31/2024
Close-Out	06/01/2024	08/31/2024
In-Service Date		

Project Description

This project adds system monitoring which will provide detection of any incidents or abnormal security events in SCADA.

Funding Summary	
Funding Source	**Total**
Capital Improvement Fund	$636,247.10
Totals	**$636,247.10**

Budget Summary	
Project Phase	**Total Phase Budget**
Construction	$636,247.00
Budget Total	**$636,247.00**
Total Encumbered To Date	**$104,191.25**
Remaining Budget	**$532,055.75**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20240277		$104,191.25	$104,191.25	$0.00
	Totals	**$104,191.25**	**$104,191.25**	**$0.00**

Notes

Tampa Bay Water received the Operational Technology (OT) monitoring system including a central appliance and sensors. The team is scheduled to do training on the new system in the upcoming weeks, after which the deployment of the new system will be started. The Tampa Bay Water's IT team is still working on a plan for the IT monitoring system—the OT system is considered as one of the sources that will feed the Security Operation Center (SOC).

Executive Quarterly Project Status Report - January 2024

Project Number	07606
Project Name	SCADA Hardware Replacement and Enhancements
JPA Participant	None
Project Manager	Abdel Hussein
Construction Manager	Abdel Hussein

Schedule		
Phase	**Start Date**	**End Date**
Planning	12/01/2022	12/15/2022
Professional Services Selection	12/16/2022	12/17/2022
Design	12/18/2022	12/30/2022
Bidding	01/01/2023	05/15/2023
Construction	05/16/2023	05/31/2024
Close-Out	06/01/2024	09/16/2024
In-Service Date		

Project Description

This project is for SCADA hardware replacement and enhancements at Cypress Creek
and High Service. The hardware includes the servers, network, and related systems. This will bring the SCADA hardware to a hyperconverged infrastructure (HCI), the same as what is being used on the corporate side. The design will be done internally with the help of the system's vendors. The current hardware support will end in June 2024 after five years in service.

Funding Summary	
Funding Source	**Total**
Capital Improvement Fund	$992,752.90
Totals	**$992,752.90**

Budget Summary	
Project Phase	**Total Phase Budget**
Bidding	$992,752.90
Budget Total	**$992,752.90**
Total Encumbered To Date	**$992,752.90**
Remaining Budget	**$0.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20230522		$528,485.00	$528,485.00	$0.00
20230523		$175,739.82	$175,739.82	$0.00
20230524		$167,037.08	$167,037.08	$0.00
20230638		$121,491.00	$120,766.04	$724.96
	Totals	**$992,752.90**	**$992,027.94**	**$724.96**

Notes

All the three new clusters have been deployed including the backup appliances. Tampa Bay Water's SCADA team and the vendors' engineers performed the deployments. The workload, virtual machines, have been migrated to the new clusters and the production SCADA system has been running with no issues for a couple of months. The construction of this project is nearing completion and the remaining cleanup will be done as part of the normal IT operations which includes the destruction of any sensitive data.

Executive Quarterly Project Status Report - January 2024

Project Number	50016
Project Name	Eldridge-Wilde WF Pumps and Motors Replacement
JPA Participant	None
Project Manager	Danielle Keirsey
Construction Manager	David Gottwik

Schedule		
Phase	**Start Date**	**End Date**
Professional Services Selection	01/04/2016	08/15/2016
Design	08/16/2016	05/29/2020
Bidding	06/01/2020	01/01/2021
Construction	01/04/2021	07/15/2024
In-Service Date		

Project Description

This project is located at the Eldridge-Wilde Wellfield and includes: replacement of the pumps, motors, well houses, electrical service, flow measurement and isolation piping at 24 well sites. Access roads and drives will be repaired. 10 existing wells will not be upgraded and will be removed from service per the Wellfield Right-Sizing Analysis completed in September 2016. New pumps and motors will be sized to optimize efficiency for the varying specific capacity at each well. The project includes work in both Hillsborough and Pinellas Counties.

Note: This project will receive up to $750,000 of State funding from the 2019 Legislative Session. The Funding will be managed by the Florida Department of Environmental Protection

Funding Summary	
Funding Source	**Total**
Revenue Bonds (350)	$4,411,802.95
Capital Improvement Fund	$6,741,943.42
Renewal and Replacement Fund	$3,175,192.63
Uniform Rate Funds	$6,977.50
State Grant	$750,000.00
Totals	**$15,085,916.50**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$1,383,054.50
Bidding	$100,323.00
Construction	$13,602,539.00
Budget Total	**$15,085,916.50**
Total Encumbered To Date	**$14,714,442.02**
Remaining Budget	**$371,474.48**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20161261	Engineering Services	$1,381,300.00	$1,381,300.00	$0.00
20170511	Engineering Services	$95,100.00	$95,100.00	$0.00
Permit	Permit Fees	$3,412.50	$3,412.50	$0.00
Permit-2	Permit Fees	$3,565.00	$3,565.00	$0.00
20210319	Professional Services	$1,320,674.00	$1,003,206.51	$317,467.49
20210321	Construction	$10,723,921.88	$5,963,997.42	$4,759,924.46
20210524	Owner Direct Purchases	$164,403.12	$164,403.12	$0.00
20210525	Owner Direct Purchases	$242,390.00	$242,390.00	$0.00
20210537	Owner Direct Purchases	$779,675.52	$364,249.39	$415,426.13
	Totals	**$14,714,442.02**	**$9,221,623.94**	**$5,492,818.08**

Executive Quarterly Project Status Report - January 2024

Notes
Current Status: • Currently working on the seven Group 1 wells in Hillsborough County. • Site work and punch list remain at the Group 1 wells which will not affect startup of the Group 1 pumps. • Fiber needs to be reconnected before wells can be tested. Which Maintenance is helping to find breaks which contractor will claim was TECO. Upcoming work: • Contractor is waiting on delivery from Trillium of modified columns for Group 2 & 3 wells. • Sitework and punch list work at Group 1. • Functional and Owner's Acceptance testing at Group 1 Contract: • Change order issued to revise Group 2 & 3 pump columns. • Tampa Bay Water legal counsel and WPC Randall attorneys are in discussions over potential change order #No. 8 provided by WPC Randall regarding the delays at the Group 1 wells.

Executive Quarterly Project Status Report - January 2024

Project Number	50031
Project Name	Cypress Bridge Wellfield Improvements
JPA Participant	
Project Manager	Eliana Lara
Construction Manager	David Gottwik

Schedule		
Phase	**Start Date**	**End Date**
Planning	06/17/2019	07/19/2019
Professional Services Selection	07/22/2019	03/06/2020
Design	03/09/2020	06/21/2021
Bidding	06/22/2021	02/11/2022
Construction	02/14/2022	03/06/2024
Close-Out	03/07/2024	06/18/2024
In-Service Date		

Project Description

The project is located at the Cypress Bridge Wellfield and includes replacement and addition of existing electrical overcurrent protection devices (OPD) with new equipment that will reduce the Arc Flash Hazard condition at the wells. Additionally, existing pump/motor control equipment may be replaced based on existing condition, age and maintenance history. Pumps and motors and generators will also be replaced as a part of this project.

Funding Summary	
Funding Source	**Total**
Renewal and Replacement Fund	$7,306,695.92
Totals	**$7,306,695.92**

Budget Summary	
Project Phase	**Total Phase Budget**
Planning	$5,742.42
Design	$670,065.50
Bidding	$15,237.50
Construction	$6,570,259.00
Close-Out	$45,391.50
Budget Total	**$7,306,695.92**
Total Encumbered To Date	**$7,205,745.92**
Remaining Budget	**$100,950.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20141024	Engineering Services	$5,742.42	$5,742.42	$0.00
20150821	Engineering Services	$0.00	$0.00	$0.00
20200409	Engineering Services	$1,320,903.50	$931,516.58	$389,386.92
PO-Permit	Permit Fees	$1,000.00	$1,000.00	$0.00
20220336	Construction	$5,878,100.00	$4,161,158.00	$1,716,942.00
	Totals	**$7,205,745.92**	**$5,099,417.00**	**$2,106,328.92**

Notes
Current Status: - CYB-01 & 02 have been tested and are back into service. -CYB-06 is currently undergoing 7-day Owner's Acceptance Testing. - CYB-04 & CYB-10 clearance packages have been submitted to FDEP for approval. - CYB-05 is undergoing construction. Upcoming work: - Functional and Owner's Testing on CYB-10 & CYB-04 when FDEP approved the clearance package. - Continued work at CYB-05. - Begin work on CYB-11 when wells are turned over. Contractor can work on 2 wells at a time. SHUTDOWNS: - Wellhouses CYB-04, CYB-05 & CYB-10

Executive Quarterly Project Status Report - January 2024

Project Number	50040
Project Name	Eldridge Wilde WF Underground Powerline
JPA Participant	None
Project Manager	Danielle Keirsey
Construction Manager	David Gottwik

Schedule		
Phase	**Start Date**	**End Date**
Professional Services Selection	09/14/2015	08/15/2016
Design	08/16/2016	12/14/2020
Bidding	06/01/2020	08/17/2020
Construction	08/17/2020	07/15/2024
In-Service Date		

Project Description

This project is located at the Eldridge Wilde Wellfield and includes the installation of approximately 55,000 Linear Feet (LF) of new underground power line in conduit, configured for radial (non-loop) feed; 55,000 LF of spare conduit parallel to the power line; and demolition of the existing overhead system which has reached the end of its useful life.

Funding Summary	
Funding Source	**Total**
Revenue Bonds (350)	$58,210.54
Renewal and Replacement Fund	$4,195,752.80
Uniform Rate Funds	$23,777.65
Totals	**$4,277,740.99**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$1,015,486.45
Construction	$3,262,254.54
Budget Total	**$4,277,740.99**
Total Encumbered To Date	**$4,203,010.71**
Remaining Budget	**$74,730.28**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20161261	Engineering Services	$112,705.00	$112,705.00	$0.00
20171239	Professional Services	$19,268.30	$17,548.30	$1,720.00
20180645	Professional Services	$4,750.00	$4,750.00	$0.00
Property	Property	$753,150.50	$753,150.00	$0.50
20190365	Engineering Services	$159,030.92	$159,030.92	$0.00
20190555	Construction	$23,777.65	$23,777.65	$0.00
20210317	Construction	$959,878.72	$945,979.61	$13,899.11
20210318	Construction	$556,530.54	$543,100.78	$13,429.76
20210320	Construction	$1,340,000.00	$733,567.73	$606,432.27
20210319	Engineering Services	$183,065.00	$183,065.00	$0.00
20220205	Professional Services	$26,012.00	$26,012.00	$0.00
20220703	Professional Services	$17,508.08	$4,112.87	$13,395.21
20230343	Professional Services	$8,500.00	$8,500.00	$0.00
20230344	Professional Services	$38,834.00	$31,067.20	$7,766.80

Totals	**$4,203,010.71**	**$3,546,367.06**	**$656,643.65**

Notes
Current Status: • Cypress Trails Horse Farm work is complete. • Underground power on the Hillsborough County side completed. • Overhead powerline installation on the Pinellas County side has been completed by Duke Energy. Upcoming work: • Powerline Demolition on the Pinellas side of the wellfield.

Executive Quarterly Project Status Report - January 2024

Project Number	50046
Project Name	Lake Bridge Chemical Piping Replacement
JPA Participant	None
Project Manager	James Smith
Construction Manager	David Gottwik

Schedule		
Phase	**Start Date**	**End Date**
Design	06/17/2016	02/10/2022
Bidding	02/11/2022	07/04/2022
Construction	07/05/2022	05/03/2024
Close-Out	05/04/2024	08/10/2024
In-Service Date		

Project Description

This project is located at the Lake Bridge Water Treatment Plant in North Hillsborough County and includes replacing the chemical feed systems, which includes the above and below ground chemical piping, chemical pumps, in-pipe chemical injection points and high-density polyethylene chemical storage tanks.

Funding Summary	
Funding Source	**Total**
Renewal and Replacement Fund	$1,151,100.00
Totals	**$1,151,100.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Construction	$1,151,100.00
Budget Total	**$1,151,100.00**
Total Encumbered To Date	**$1,151,100.00**
Remaining Budget	**$0.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20220589	Construction	$1,151,100.00	$1,075,666.30	$75,433.70
	Totals	**$1,151,100.00**	**$1,075,666.30**	**$75,433.70**

Notes

Current Status:
- New chemical systems for bleach, ammonia and caustic have been installed in place of the old.
- New injection points have been installed with new piping to them.
- All work has been completed and Substantial Completion has been issued.
- A punch list has been issued.

Upcoming work:
- Lessons learned meeting to be held.
- Collecting closeout documents.

Executive Quarterly Project Status Report - January 2024

Project Number	50049
Project Name	High Service Pump Station Chemical Piping Replacement
JPA Participant	None
Project Manager	James Smith
Construction Manager	David Gottwik

Schedule		
Phase	**Start Date**	**End Date**
Design	12/01/2016	07/15/2022
Bidding	07/18/2022	08/21/2023
Construction	08/22/2023	09/18/2024
Close-Out	09/19/2024	11/18/2024
In-Service Date		

Project Description

This project is located at the High Service Pump Station in central Hillsborough County and includes replacing the Ammonia Hydroxide and Sodium Hypochlorite chemical piping systems, which includes the above and below ground chemical piping and the in-pipe chemical injection points.

Funding Summary	
Funding Source	**Total**
Renewal and Replacement Fund	$1,547,822.00
Capital Improvement Fund	$255,000.00
Totals	**$1,802,822.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$64,216.40
Bidding	$4,447.20
Construction	$1,727,504.00
Close-Out	$6,654.40
Budget Total	**$1,802,822.00**
Total Encumbered To Date	**$1,677,822.00**
Remaining Budget	**$125,000.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20210586	Engineering Services	$73,259.15	$73,259.15	$0.00
20220695	Engineering Services	$99,962.85	$17,195.40	$82,767.45
20230688	Construction	$1,504,600.00	$0.00	$1,504,600.00
	Totals	**$1,677,822.00**	**$90,454.55**	**$1,587,367.45**

Notes

Current Status:
- Construction contract 2023-028 with PCL Construction, Inc. was approved at the August 2023 Board Meeting.
- The work will include replacing the injection quills, the bleach skid, the ammonia pump as well as their associated chemical piping.
- Submittal and RFI process is ongoing.
- Contractor has begun the installation of chemical containment piping and installing silt fence.

Executive Quarterly Project Status Report - January 2024

Project Number	50074
Project Name	C.W. Bill Young Regional Reservoir-Compressors Replacement
JPA Participant	None
Project Manager	James Smith
Construction Manager	Anthony Feria

Schedule		
Phase	**Start Date**	**End Date**
Planning	12/01/2021	06/09/2022
Professional Services Selection	06/10/2022	10/07/2022
Design	10/10/2022	06/26/2023
Bidding	06/27/2023	11/20/2023
Construction	11/21/2023	09/13/2024
Close-Out	09/16/2024	01/13/2025
In-Service Date		

Project Description

This project will replace three compressors and add a new, fourth unit at the C.W. Bill Young Regional Reservoir in Hillsborough County

Funding Summary	
Funding Source	**Total**
Renewal and Replacement Fund	$176,436.00
Released Debt Service Reserve Fund	$1,224,100.00
Capital Improvement Fund	$161,240.00
Totals	**$1,561,776.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$112,816.00
Bidding	$6,155.00
Construction	$1,331,565.00
Construction Owner's Allowance	$111,240.00
Budget Total	**$1,561,776.00**
Total Encumbered To Date	**$1,511,776.00**
Remaining Budget	**$50,000.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20230089	Engineering Services	$176,436.00	$111,476.73	$64,959.27
20240237		$1,335,340.00	$0.00	$1,335,340.00
	Totals	**$1,511,776.00**	**$111,476.73**	**$1,400,299.27**

Notes

Current Status:
- Kick-off meeting occurred on January 23rd, 2024.

Future Milestones:
- Mobilization - April 2024
- Compressors estimated delivery June 2024.

Executive Quarterly Project Status Report - January 2024

Project Number	50075
Project Name	Surface Water Treatment Plant-Renewal and Replacement Program - Phase I
JPA Participant	
Project Manager	Adrienne Arceri
Construction Manager	Adrienne Arceri

Schedule		
Phase	**Start Date**	**End Date**
Construction	10/04/2021	07/31/2024
In-Service Date		

Project Description
The Surface Water Treatment Plant (SWTP) - Renewal and Replacement (R&R) program phase 1 includes the design and replacement of the HVAC and Ozone generators 1 and 2 in the North side of the facility.

Funding Summary	
Funding Source	**Total**
Renewal and Replacement Fund	$6,211,471.00
Totals	**$6,211,471.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Planning	$6,211,471.00
Budget Total	**$6,211,471.00**
Total Encumbered To Date	**$6,211,424.09**
Remaining Budget	**$46.91**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20220507	Design-Build	$468,000.01	$468,000.01	$0.00
20220477	Design-Build	$395,786.00	$395,786.00	$0.00
20230272	Design-Build	$5,347,638.08	$689,449.10	$4,658,188.98
Totals		**$6,211,424.09**	**$1,553,235.11**	**$4,658,188.98**

Notes

Current Status:
-Discussions regarding Surface Water Treatment Plant availability in order to begin the ozone generator replacement are still ongoing. Awaiting confirmation of start date.

Watch items/Upcoming events:
-Determine the start date for ozone generator installation.

Close Out Phase Projects

Project No. **Project Name**

01615 : South Pasco Water Treatment Plant Caustic Feed System

09016 : 2023 Long-Term Master Water Plan

Note: 2 Total Projects

Executive Quarterly Project Status Report - January 2024

Project Number	01615
Project Name	South Pasco Water Treatment Plant Caustic Feed System
JPA Participant	None
Project Manager	Nicole Thomas
Construction Manager	Anthony Feria

Schedule		
Phase	**Start Date**	**End Date**
Planning	03/02/2020	03/31/2020
Professional Services Selection	04/01/2020	06/15/2020
Design	06/01/2020	07/30/2021
Bidding	06/01/2021	08/24/2021
Construction	08/25/2021	10/31/2023
Close-Out	11/01/2023	03/18/2024
In-Service Date		

Project Description

This project is located at the South Pasco Water Treatment Plant and includes design and installation of a pH adjustment chemical feed system in the existing Water Treatment Plant chemical building. The chemical feed system will include caustic (sodium hydroxide) storage tanks, pump skid system and controls, and associated piping and in-pipe injection point. The system will allow Tampa Bay Water to adjust pH by the addition of either 25% or 50% caustic at the South Pasco Water Treatment Plant for flows between 4 and 28 MGD.

Funding Summary	
Funding Source	**Total**
Revenue Bonds (350)	$1,541,343.00
Totals	**$1,541,343.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Design	$107,882.95
Bidding	$1,499.00
Construction	$1,431,961.05
Budget Total	**$1,541,343.00**
Total Encumbered To Date	**$1,535,628.71**
Remaining Budget	**$5,714.29**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20200552	Engineering Services	$169,890.00	$169,889.80	$0.20
20210616	Construction	$1,302,335.71	$1,272,532.30	$29,803.41
20210617	Construction	$59,403.00	$65,116.79	-$5,713.79
Permit -1	Permit Fees	$4,000.00	$4,000.00	$0.00
Totals		**$1,535,628.71**	**$1,511,538.89**	**$24,089.82**

Notes

Current Status:
• Project Closeout
- Completion of punch list and closeout permit – in progress
- Billing and Purchase Order closeout – In progress
- Lessons Learned - Done
- Budget and Schedule Revision
- Operation & Maintenance Manuals and warranties - received

Executive Quarterly Project Status Report - January 2024

Project Number	09016
Project Name	2023 Long-Term Master Water Plan
JPA Participant	None
Project Manager	Danielle Keirsey
Construction Manager	

Schedule		
Phase	**Start Date**	**End Date**
Professional Services Selection	02/01/2021	10/18/2021
Planning	10/18/2021	11/13/2023
Close-Out	11/14/2023	01/22/2024
In-Service Date		

Project Description

The 2023 Long-term Master Water Plan was initiated in January 2019 and is scheduled to be presented to the Board for approval in December 2023. The Plan will evaluate potential new supplies that could meet the 2040 regional drinking water demands, as well as other agency- wide efforts such as long-term demand forecast, demand management and conservation activities, source water quality and protection, and climate change adaptation and resiliency.

Funding Summary	
Funding Source	**Total**
Uniform Rate Funds	$2,034,892.00
Totals	**$2,034,892.00**

Budget Summary	
Project Phase	**Total Phase Budget**
Planning	$1,813,048.34
Budget Total	**$1,813,048.34**
Total Encumbered To Date	**$1,813,048.34**
Remaining Budget	**$0.00**

Purchase Orders/Other Encumbrances

PO/Other	PO Type	Total Encumbered	Actuals To Date	Balance PO
20220313	Engineering Services	$134,892.00	$134,892.00	$0.00
20220376	Professional Services	$175,019.33	$175,019.33	$0.00
20220633	Professional Services	$1,503,137.01	$1,503,137.01	$0.00
	Totals	**$1,813,048.34**	**$1,813,048.34**	**$0.00**

Notes

Updates:
- The Final 2023 Long-term Master Water Plan Report and Recommendations were approved by Tampa Bay Water's Board of Directors at the November 2023 board meeting. The approved recommendations included moving forward with the proposed short-list of projects for further feasibility studies. The short-listed projects include (1) Eastern Pasco Wellfield (brackish and/or freshwater), (2) Consolidated Water Use Permit Increase, (3) North Pinellas Surface Water Treatment Plant and Reservoir, (4) Tampa Bay Seawater Desalination Plant Expansion (with seawater or brackish groundwater), (5) C.W. Bill Young Regional Reservoir Surface Water Treatment Plant, (6) South Hillsborough Surface Water Treatment Plant and Reservoir, and (7) South Hillsborough Wellfield. This plan also included a Developmental Alternatives Program to evaluate direct and indirect potable reuse as a future water supply source.

- Staff are working to finalize the statements of works, schedules, and budgets for the upcoming feasibility studies which are scheduled to start in early 2024.
- The final 2023 Long-term Master Water Plan was sent to member government utility directors.
- This project is now complete. All final invoices have been paid.
- This project was completed on time and within budget
- All project milestones were achieved.

Completed Projects

Project No.	Project Name
06004 :	Tampa Bay Desalination Plant Reverse Osmosis Trench Supports-Phase I
07010 :	Regional Facility Site Pump Station Expansion
07072 :	Tampa Bypass Canal Gates Automation
07602 :	SCADA-Wireless Units Upgrade
50067 :	TBC TM Cathodic Protection
50077 :	Repump Station Raw Water Line Valve Repair

Note: 6 Total Projects

Project Closeout Report - January 2024

Project Number	06004
Project Name	Tampa Bay Desalination Plant Reverse Osmosis Trench Supports-Phase I
JPA Participant	None
Project Manager	Danielle Keirsey
Construction Manager	

Final Schedule		
Phase	**Start Date**	**End Date**
Planning	7/16/2022	7/19/2022
Professional Services Selection	7/20/2022	7/21/2022
Design	7/22/2022	7/25/2022
Bidding	7/26/2022	9/18/2022
Construction	9/19/2022	9/30/2023
Close-Out	9/30/2023	11/13/2023

Project Description

This project is located at the Tampa Bay Desalination Plant and includes evaluating the structural integrity of the existing reverse osmosis (RO) trench support system to determine what components need to be replaced or repaired as well as the installation of a temporary shoring system in the interim.

The RO building at the Seawater Desalination Plant has a trench under the RO skids that contains the process piping below the floor elevation. The trench has concrete and steel beams at the floor level that span between the trench walls and support piping and the trench floor grating.

The results and recommendations from this evaluation will be included for implementation in the new project, Tampa Bay Desalination Plant Reverse Osmosis Trench Supports Phase II.

Final Funding Summary*	
Funding Source	**Total**
Capital Improvement Fund	$323,519.75
Totals	**$323,519.75**

Financial Summary	
Highest Approved Budget	**$400,000.00**
Total Expenses	**$323,519.75**
Total Unspent Funds*	**$76,480.25**

Purchase Orders/Other Encumbrances and Expenses

Purchase Order	Contract Number	Service Type	Vendor	Actual Expenses
20230067		Construction	AMERICAN WATER ACCIONA AGUA LLC	$323,519.75
			Totals	**$323,519.75**

*Funding Sources have been adjusted to match expenses. Unspent funds have been returned to applicable funding source. All Purchase Orders have been closed.

Project Closeout Report - January 2024

Closeout Summary
- This project is completed and was taken to the November 2023 board meeting for closeout. - This project included the preliminary evaluation of the existing reverse osmosis trench support system as well as an 8-month rental of the temporary shoring system. The 8 month rental period has passed. Staff have decided to continue renting the temporary shoring system using operating budget (uniform rates) funds until Phase II when a replacement support system will be designed and installed. - Phase II of this project is tentatively scheduled to start November 2024.

Project Closeout Report - January 2024

Project Number	07010
Project Name	Regional Facility Site Pump Station Expansion
JPA Participant	None
Project Manager	Sandro Svrdlin
Construction Manager	David Gottwik

Final Schedule		
Phase	**Start Date**	**End Date**
Professional Services Selection	5/1/2017	10/1/2018
Design	10/22/2018	5/31/2019
Bidding	6/3/2019	10/21/2019
Construction	10/22/2019	5/15/2022
Close-Out	5/16/2022	7/17/2023

Project Description

This project is located at the Regional Facility High Service Pump Station. The project will increase the existing regional water firm pumping capacity by 10-12 MGD average and 20 to 22 MGD maximum day at the Regional Facility Site High Service Pump Station – the main pump station for the region's wholesale water system. The project will include engineering services for the design, bidding, construction management, and construction activities associated with the removal of an existing unused 10 MGD (600 HP) jockey pump and installation of a new 24 MGD (2,000 HP) split case pump, Variable Frequency Drive, motor and ancillary electrical and mechanical equipment.

Note: This project will receive up to $1,200,000 of funding through SWFWMD's Cooperative Funding Initiative.

Final Funding Summary*	
Funding Source	**Total**
Capital Improvement Fund	$2,482,575.89
Totals	**$2,482,575.89**

Financial Summary	
Highest Approved Budget	**$2,662,863.00**
Total Expenses	**$2,482,575.89**
Total Unspent Funds*	**$180,287.11**

Purchase Orders/Other Encumbrances and Expenses

Purchase Order	Contract Number	Service Type	Vendor	Actual Expenses
20190213		Engineering Services	CDM SMITH INC	$372,943.75
Permit-Fee		Permit Fees	Florida Department of Environmental Protection	$1,000.00
20200246	2020-029	Construction	PCL CONSTRUCTION, INC.	$2,108,632.14
			Totals	**$2,482,575.89**

*Funding Sources have been adjusted to match expenses. Unspent funds have been returned to applicable funding source. All Purchase Orders have been closed.

Project Closeout Report - January 2024

Closeout Summary
The project was performed to increase the pumping capacity of the High Service Pump Station by 10-12 MGD average. The actual increased flow is dependent on pipeline pressures, but the pumping capacity goal was achieved. All construction work and punch list items have been completed, final invoices are paid, and the purchase order and contract has been closed. The project received $1,200,000 through a co-funding agreement with the Southwest Florida Water Management District.

Project Closeout Report - January 2024

Project Number	07072
Project Name	Tampa Bypass Canal Gates Automation
JPA Participant	Other
Project Manager	
Construction Manager	Richard Menzies

Final Schedule		
Phase	**Start Date**	**End Date**
Planning	2/1/2018	3/15/2018
Professional Services Selection	3/16/2018	10/22/2018
Design	10/23/2018	5/31/2019
Bidding	6/3/2019	2/17/2020
Construction	2/18/2020	7/29/2022
Close-Out	6/16/2022	9/18/2023

Project Description

This project will equip the existing manual slide gates located on top of the larger flood control gates with remote-controlled motorized gate actuators at the Tampa Bypass Canal Structures 160, 161, and 162. The structures are owned by the Army Corps of Engineers, the flood control gates are operated by the Southwest Florida Water Management District (SWFWMD), and the slide gates are operated by Tampa Bay Water. There is a total of 15 flood control gates, 14 of which have slide gates at the top. Five of the top-mounted slide gates already have automation installed. This project includes the installation of automation on the remaining nine slide gates.

Note: This project will receive up to $516,000 through SWFWMD's Cooperative Funding Initiative.

Final Funding Summary*	
Funding Source	**Total**
Capital Improvement Fund	$1,293,078.68
Totals	**$1,293,078.68**

Financial Summary	
Highest Approved Budget	**$1,713,003.00**
Total Expenses	**$1,293,078.68**
Total Unspent Funds*	**$419,924.32**

Purchase Orders/Other Encumbrances and Expenses

Purchase Order	Contract Number	Service Type	Vendor	Actual Expenses
20190214		Engineering Services	CDM SMITH INC	$320,628.68
20200407	2020-704	Construction	PCL CONSTRUCTION, INC.	$972,450.00
			Totals	**$1,293,078.68**

*Funding Sources have been adjusted to match expenses. Unspent funds have been returned to applicable funding source. All Purchase Orders have been closed.

Project Closeout Report - January 2024

Closeout Summary
The project goals have been met within budget. Remote-controlled motorized gate actuators were installed on nine slide gates at Tampa Bypass Canal Structures 160, 161, and 162. This allows Tampa Bay Water to respond quicker to raise or lower the gates than for it to be done manually. The project received $516,000 through a co-funding agreement with the Southwest Florida Water Management District

Project Closeout Report - January 2024

Project Number	07602
Project Name	SCADA-Wireless Units Upgrade
JPA Participant	None
Project Manager	Abdel Hussein
Construction Manager	Abdel Hussein

Final Schedule		
Phase	**Start Date**	**End Date**
Planning	3/10/2022	3/15/2022
Professional Services Selection	3/15/2022	3/15/2022
Design	3/16/2022	3/16/2022
Bidding	4/1/2022	4/18/2022
Construction	4/19/2022	12/31/2022
Close-Out	1/2/2023	4/17/2023

Project Description
This project is for replacing the wireless (cellular) communication devices used for SCADA communications.

Final Funding Summary*	
Funding Source	**Total**
Capital Improvement Fund	$56,720.00
Totals	**$56,720.00**

Financial Summary	
Highest Approved Budget	**$73,000.00**
Total Expenses	**$56,720.00**
Total Unspent Funds*	**$16,280.00**

Purchase Orders/Other Encumbrances and Expenses				
Purchase Order	**Contract Number**	**Service Type**	**Vendor**	**Actual Expenses**
20220488		Construction	DISCOUNTCELL, INC.	$56,720.00
			Totals	**$56,720.00**

*Funding Sources have been adjusted to match expenses. Unspent funds have been returned to applicable funding source. All Purchase Orders have been closed.

Project Closeout Report - January 2024

Closeout Summary
• Construction has been completed and the project will be closed. All RV50x cellular units have been installed in the field by Tampa Bay Water's SCADA technician. Project was sent to close out at January '23 Board Meeting.

Project Closeout Report - January 2024

Project Number	50067
Project Name	Tampa Bypass Canal Transmission Main and Off-stream Reservoir Pump Station Cathodic Protection
JPA Participant	None
Project Manager	Danielle Keirsey
Construction Manager	David Gottwik

Final Schedule		
Phase	**Start Date**	**End Date**
Planning	6/3/2019	7/12/2019
Professional Services Selection	7/15/2019	12/15/2019
Design	12/16/2019	8/4/2022
Bidding	8/5/2022	8/14/2022
Construction	10/21/2022	5/1/2023
Close-Out	5/2/2023	9/18/2023

Project Description

This project consists of improving or replacing the existing cathodic protection systems along the Tampa Bypass Canal Transmission Main as well as improvements at the Reservoir Off Stream Pump Station which involves bonding a riser pipe to the existing impressed current cathodic protection system. These issues were identified in the 2016 and 2019 cathodic protection surveys performed by Tampa Bay Water's corrosion control contractor.

Final Funding Summary*	
Funding Source	**Total**
Renewal and Replacement Fund	$353,444.00
Totals	**$353,444.00**

Financial Summary	
Highest Approved Budget	**$555,000.00**
Total Expenses	**$353,444.00**
Total Unspent Funds*	**$201,556.00**

Purchase Orders/Other Encumbrances and Expenses

Purchase Order	Contract Number	Service Type	Vendor	Actual Expenses
20200335		Engineering Services	ARCADIS US INC.	$123,100.00
20200548		Professional Services	AREHNA ENGINEERING, INC.	$19,194.00
20230171		Construction	JOHN H GRANGER MAINTENANCE & CONSTRUCTION, INC.	$70,000.00
20230263		Construction	SOUTHEAST DRILLING SERVICES INC	$141,150.00
			Totals	**$353,444.00**

*Funding Sources have been adjusted to match expenses. Unspent funds have been returned to applicable funding source. All Purchase Orders have been closed.

Project Closeout Report - January 2024

Closeout Summary
Both the Reservoir Off-Stream Pump Station and Tampa Bypass Canal Transmission Main Cathodic Protection projects are now complete. These projects were necessary to maintain the integrity and the level of service of the steel in the regional water mains and pump facilities, so the transmission mains are not weakened by rust. The Reservoir Off-Stream Pump Station project goal of bonding the riser pipe to the existing impressed current cathodic protection system was successful. Testing verified the impressed current is continuous across the pipe, providing the necessary protection of the pipeline and appurtenances. The Tampa Bypass Canal Transmission project achieved its goal of providing cathodic protection to the transmission main through the installation of an anode well and rectifier. Testing verified the system is connected and providing protection to the line. One change order authorizing the contractor to remove the clay materials excavated from the site and replace it with clean fill. All final invoices have been paid, and all final project documents have been received. Both projects were completed within budget. A C-form releasing additional unspent project contingencies has been submitted.

Project Closeout Report - January 2024

Project Number	50077
Project Name	Repump Station Raw Water Line Valve Repair
JPA Participant	None
Project Manager	James Smith
Construction Manager	Anthony Feria

Final Schedule		
Phase	**Start Date**	**End Date**
Planning	2/1/2021	7/2/2021
Professional Services Selection	6/21/2021	6/24/2021
Design	6/25/2021	6/28/2021
Bidding	6/29/2021	7/30/2021
Construction	8/2/2021	1/31/2023
Close-Out	2/1/2023	5/15/2023

Project Description

Final Funding Summary*	
Funding Source	**Total**
Renewal and Replacement Fund	$933,700.14
Totals	**$933,700.14**

Financial Summary	
Highest Approved Budget	**$1,058,902.00**
Total Expenses	**$933,700.14**
Total Unspent Funds*	**$125,201.86**

Purchase Orders/Other Encumbrances and Expenses

Purchase Order	Contract Number	Service Type	Vendor	Actual Expenses
20210599	2021-0706	Construction	ASTRA CONSTRUCTION SERVICES, LLC	$902,527.99
20220135		Engineering Services	METZGER & WILLARD INC	$822.15
20220697		Engineering Services	V&A CONSULTING ENGINEERING, INC.	$30,350.00
			Totals	**$933,700.14**

*Funding Sources have been adjusted to match expenses. Unspent funds have been returned to applicable funding source. All Purchase Orders have been closed.

Closeout Summary

This project was performed at the Regional Repump Station and included the replacement of a 36-inch raw water plug valve with a new 36-inch control valve. The replaced valve was an underground valve that leaked when in the open position. The valve allowed water from the Alafia River and the C.W. Bill Young Regional Reservoir to feed into the tanks which feed the Surface Water Treatment Plant (SWTP). A larger second valve/bypass for higher flow operation allowed the system to continue operation during construction, with the completion of this project redundancy for SWTP supply is restored.
This project was considered a maintenance action but provide opportunities that increased accessibility, service life, and control. Instead of replacing the plug valve with another plug valve it was determined that a control valve (globe valve) would better serve operationally and provide a longer service life. The piping was also brought above ground and a new venturi meter was installed.
This project was completed by piggybacking off a national job order contract for quick turnaround. All construction work and punch list items have been completed, final invoices are paid, and the purchase order and contract has been closed.
This project was taken to the May 2023 Board of Director meeting for closeout.

Future Projects

Project No. Project Name

01602 : Cypress Creek Wellfield Improvements

01603 : Cypress Creek WTP Yard Piping Valves, Drainage Improvements, Roads, and Security

01604 : Eldridge-Wilde Wellfield Water Quality Treatment Improvements

01605 : Morris Bridge Underground Powerline

01606 : Section 21 Wellfield Pumps and Motors

01607 : Tampa Bay Desalination Plant Reverse Osmosis Trench Supports-Phase 2

01608 : Tampa Bay Desalination Plant Concentrate Disposal

01612 : South Hillsborough Wellfield

01614 : Alafia Pump Station Motors and VFDs

03501 : Cosme-Odessa Wellfield Water Quality Treatment Improvements

03502 : Carrollwood-Northwest Hillsborough Water Quality Treatment Improvements

03503 : Cypress Creek and Cross Bar Ranch Wellfields Water Quality Treatment Improvements

03504 : Section 21 Wellfield Water Quality Treatment Improvements

03505 : Brandon Urban Dispersed Wells Water Quality Treatment Improvements

03506 : Morris Bridge Water Quality Treatment Improvements

03507 : Starkey WF Water Quality Improvements

03508 : Surface Water Treatment Plant Water Quality Improvements

03509 : Water Quality Study - Effluent Disposal

03510 : Water Quality Study - Phase 2 Design Criteria Development

03511 : Water Quality Study - Surface Water Suspended Ion Exchange (Demonstration Facility)

03600 : Tampa Bay Desalination Plant - R&R Program

03700 : Surface Water Treatment Plant - Renewal and Replacement Program - Phase II

03800 : Surface Water Treatment Plant Renewal and Replacement Program - Phase III

06321 : South Operations and Maintenance Building

06912 : Surface Water Treatment Plant SCADA System Upgrade

06913 : System Configuration IV-2033 Water Supply Needs - Placeholder

06914 : Cosme Collection Main - Utility Conflict

07005 : South Pasco Water Quality Treatment, Storage and Pumping, Improvements

07007 : Cypress Creek WTP Chemical System Upgrades

07061 : South Pasco Wellfield Underground Commercial Powerline

07064 : Ground Storage Tanks Fall Protection

07065 : Maytum Vault Confined Space Removal

07070 : Tampa Bypass Canal (MLK) Pumps

07100 : Future-Information Technology-Placeholder

07541 : IT Technology Infrastructure Renewal & Replacement Program

07542 : Lake Bridge Water Treatment Plant-Pump No 4

07543 : Developmental Alternatives Phase 2

07603 : SCADA-Software Features

09010 : Tampa Bay Desalination Upgrade/Replace PLC/SCADA System Study

11020 : Long-term Master Water Plan-Feasibility: Program Management

11024 : IT Network Uplift Study

11025 : Feasibility Study For Surface Water Sources

11026 : Surface Water Treatment Plant Source Water Quality and Business Case Evaluation

50022 : Morris Bridge Booster Station Pumps 1 and 2 Replacement

50023 : Starkey Wellfield Improvements

50037 : Cypress Creek Generators Study

50041 : Northwest Hillsborough Wellfield Improvements

50042 : Cosme-Odessa Wellfield Improvements

50043 : Cypress Creek Wellfield Headwall Erosion Repair

50047 : Morris Bridge Chemical Piping Replacement

50048 : BUD 5 Chemical Piping Replacement

50055 : Tampa Bay Desalination VFDs Replacement

50056 : South Pasco Transmission Main Pipe Repair

50057 : Tampa Bay Desalination Plant Belt Filter Press Replacement

50058 : Tampa Bay Desalination Plant Piping Replacement

50059 : Harney Pump Station Pumps and Motors

50061 : Odessa Booster Station Pumps Replacement

50062 : Tampa Bay Desalination Pipeline Reliability - Phase 2

50063 : Brandon Urban Dispersed Wellfield Pumps and Motors Replacement

50069 : Repump Station Generator

50070 : High Service Pump Station and Repump Station Variable Frequency Drives

50076 : C.W. Bill Young Regional Reservoir-Dissolved Air Lines Replacement

50079 : Clearwater Generator Replacement

50080 : Alkalinity Adjustment Facility Generator Replacement

50082 : Cypress Creek Medium Voltage Generator Control System Upgrade

52002 : Carrollwood Pumps and Motors

52003 : Lake Bridge Pumps and Motors

Note: 67 Total Projects

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.8

DATE: February 5, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Maribel Medina, Planning and Projects Director

SUBJECT: Capital Improvement Program - Task Order Authorization - *Approve*

SUMMARY

The Tampa Bay Water Board of Directors (Board) accepted the Fiscal Years 2024-2033 Capital Improvements Program (CIP) in May 2023. Subsequent Board approval of individual project activity is required during the project's life cycle. The Attachment Table lists upcoming task authorizations that staff is recommending be assigned to the vendors identified.

SUGGESTED ACTION

Approve Task Orders.

COST/FUNDING SOURCE

$36,910/ Released Debt Service Reserve Fund; $216,069/Capital Improvement Fund; $384,200/ Uniform Rate Funds; $421,310/ Bonds-360

DISCUSSION

As identified to the Board on May 4, 2017, Board acceptance of the annual Capital Improvements Program document is an acceptance of the capital projects roadmap. Subsequent Board approvals of individual capital project activity is sought for planning, design and/or construction contracts and/or task authorizations under existing contracts for project fees and assigned funding source. Tampa Bay Water Staff recommends the Board approve the tasks and assigned funding sources in the attached table

for the period of February 2024 through March 2024.

BACKGROUND

Tampa Bay Water's CIP Plan is a comprehensive ten-year plan of approved and proposed capital projects. The CIP is updated annually and is subject to changes as the needs for specific projects become more defined and as final approval of individual projects is provided by the Board.

Attachment (1)

February 2024-CIP Tasks Authorizations

CIP Projects Tasks Authorizations

Project Number	Project Name	Task Description	Vendor Name	Contract Number	Task Cost	Funding Source
01607	Tampa Bay Desalination Plant Reverse Osmosis Trench Supports-Phase 2	Design Third Party Review	Black & Veatch Corporation	2022001	$36,910	Released Debt Service Reserve Fund
07541	IT Technology Infrastructure Renewal & Replacement Program	IT Infrastructure R&R - Phase I Firewall	Shi International Corp		$216,069	Capital Improvement Fund
11022	Feasibility Study for New Groundwater Sources	Modeling Support Services	Gsi Environmental, Inc.	2020017	$250,000	Uniform Rate Funds
11023	2045 System Hydraulic and Emergency Scenario Analysis Report	2045 System Analysis Update	V & A Consulting Engineering, Inc.	2021027	$134,200	Uniform Rate Funds
50052	High Service Pump Station Ball Valve Replacement	HSPS Ball Valve Replacement Engineering Serivces	Hazen & Sawyer, P.C.	2021032	$421,310	Bonds-360

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TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.9

DATE: February 5, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Maribel Medina, Planning and Projects Director

SUBJECT: Surface Water Treatment Plant Expansion, Project No. 01014, Project Status Report - *Receive Report*

SUMMARY

The Surface Water Treatment Plant Expansion, Project No. 01014 was approved as the next water supply project to meet the region needs by 2028. This item provides an update on the status of project activities.

SUGGESTED ACTION

Receive Status Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

In August 2022, Tampa Bay Water's Board of Directors selected the Surface Water Treatment Plant Expansion, Project No. 01014 as the next water supply configuration for implementation by year 2028.

Black and Veatch, retained under the Integrated Program Management Consultant Contract No. 2022-001, is providing professional services and serving as the Owner's Advisor. The project is being implemented via amendment of Veolia Water North America Operating Services, LLC, (Veolia) Design, Construction and Operation Agreement No. 2000-028. This report provides a status of completed, on-going, and future activities for this project.

Work Completed to Date:

- Finalized Value Engineering and design configuration reviews for the 10% design.

Work In Progress and Upcoming Work:

- Finalizing 10% design Opinion of Probable Construction Costs Estimate.
- Preparing 30% Design Documentation

Overall Schedule (remaining activities):

- Complete 30% Design – May 2024
- Complete 60% Design – August 2024
- Update construction cost estimates – February 2024, June 2024, and September 2024
- Receive Board approval to submit Environmental Resource Program (ERP) permit application – August 2024
- Final Guaranteed Maximum Price and Veolia's Agreement Amendment – November 2024

BACKGROUND

At the August 2022 Board Meeting, the Board of Directors selected the Surface Water Treatment Plant Expansion, Project 01014, as the next water supply project to meet the region's future water supply needs. This project will increase Tampa Bay Water's annual average yield of existing surface water supplies by 10 to 12.5 million gallons per day (mgd) and is included in the Capital Improvements Program.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.10

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Casey LaLomia, Information Technology Director

SUBJECT: Professional Services Contract - As-Needed Systems Utility Management Services Contract No: 2022-019, Approve Task Order - *Approve*

SUMMARY

Arcadis, U.S., Inc. is assisting Tampa Bay Water staff with a project under As-Needed Utility Management Services Contract No. 2022-019. This assignment is for the first phase of the agency's Data Management Strategy. Completion of this project aligns with the agency's board-approved strategic plan, Goal 2 - Continuously Improve Agency Operations - Objective 2, Strengthen Information Technology and Data Management programs. The project will document the agency's existing data stores, the data contained within them, and key attributes.

SUGGESTED ACTION

Approve task order under As-Needed Utility Management Services Contract No. 2022-019 for a total amount of $311,760.00.

COST/FUNDING SOURCE

$311,760.00 total for the task order from funds approved in Fiscal Year 2024 Budget.

DISCUSSION

Tampa Bay Water staff developed a phased approach to implement the agency's Data Management Strategy that will empower data-driven decision making for the organization. Identification is the first phase of the strategy implementation and will identify and catalogue the agency's existing data assets and key data use cases that will provide the foundation for subsequent phases of the strategy. Deliverables for this phase include database topology diagrams, a data catalogue, and key use cases for data that does or does not exist.

The staff of Arcadis, U.S., Inc. (Arcadis) provides highly specialized, technical consulting services that Tampa Bay Water staff use to support projects and assignments that a typically stand alone in nature, such as this effort. Arcadis also provides the specific data domain expertise and skilled resources to document the agency's data environment and future use cases. This external assistance and expertise from Arcadis is necessary to complete this phase of the strategy implementation.

Staff recommends approval of a new task order to complete this work as the task order will exceed the General Manager's signature authority of $250,000 per assignment for work under Contract No: 2022-019 for a total amount of $311,760.00.

BACKGROUND

The Agency retains as-needed professional services consultants to provide specific services on a task order basis for assisting Tampa Bay Water staff to complete activities pertinent to utility management. The As-Needed Utility Management Services Contract No. 2022-019 with Arcadis, U.S., Inc. was approved by the Board of Directors in March of 2022.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.11

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Warren Hogg, Chief Science Officer

SUBJECT: Agreement No. 2021-008 with the University of Central Florida for Integrated Hydrologic Model Improvements - Second Amendment to Authorize Additional Work and Extend Agreement - *Approve*

SUMMARY

Tampa Bay Water and the Southwest Florida Water Management District jointly developed the Integrated Hydrologic Model (IHM). To expand IHM capability and flexibility, research is being completed by the University of Central Florida to develop, validate, and document automation processes which facilitate multi-scale model applications. Additional work products are needed to create model user interfaces to expedite future model applications.

SUGGESTED ACTION

Approve the Second Amendment to Agreement No. 2021-008 with the University of Central Florida to develop, validate, and document automation processes which facilitate multi-scale applications for the Integrated Hydrologic Model in the amount of $26,016.

COST/FUNDING SOURCE

$26,016/Uniform Rate. Funds included in FY 2024 approved budget.

DISCUSSION

Tampa Bay Water and the Southwest Florida Water Management District (District) jointly developed the Integrated Hydrologic Model. To expand IHM capability and flexibility, Tampa Bay Water entered

into a research agreement (Agreement No. 2021-008) with the University of Central Florida to develop, validate, and document automation processes which facilitate multi-scale model applications. The work products from this research will significantly reduce the time required to develop a model for an area smaller than the principal model area and to develop a smaller scale model from a large-scale model. Project deliverables will provide repeatable, defensible, accurate, and time-efficient procedures that facilitate model simulations to investigate the influences of groundwater or surface-water pumping, minimum flows and levels, land use change, sea-level rise, and climate change on water resources.

Tampa Bay Water staff and the University of Central Florida principal investigator determined that the objectives of the project are best achieved by expanding the scope of work to include development of user interfaces, Geographic Information System applications, a higher level of code development complexity, and additional model validation. Additional budget and an extension of the agreement are needed to complete these additional deliverables. The Second Amendment to Agreement No. 2021-008 will increase the budget by $26,016 to a total of $115,486 and extend the expiration date to December 31, 2024. The Second Amendment to Agreement No. 2021-008 with the University of Central Florida has been reviewed and approved as to form by Tampa Bay Water's General Counsel. A copy of the Second Amendment to Agreement No. 2021-008 is available on request from the Tampa Bay Water Records Department.

BACKGROUND

The Integrated Hydrologic Model (IHM) is a hydrologic process simulation code which dynamically couples two models, HSPF with MODFLOW, through a sequential integration process. HSPF simulates all hydrologic processes above the water table. MODFLOW simulates all hydrologic processes below the water table. HSPF and MODFLOW are developed and maintained by U.S. federal agencies and have been widely used for many decades. Using integration pathways, IHM simulates dynamic, hydrologic interaction between uplands and the ground-water system and between water bodies and the ground-water system. Simulation capabilities of the IHM are well aligned with the hydrologic interactions that exist in west-central Florida which include shallow depth-to-water conditions and high density of open water and wetlands.

The IHM and the Integrated Northern Tampa Bay (INTB) Model, a calibrated application of the IHM over the Tampa Bay region, were jointly developed and are jointly maintained by Tampa Bay Water and the Southwest Florida Water Management District (District). The INTB model is the integrated hydrologic model that is calibrated for northern Tampa Bay conditions. The INTB model application uses the IHM code as the simulation engine. Tampa Bay Water and the District use the INTB model to define the unit response matrix for the Optimized Regional Operations Plan (OROP), evaluate OROP control point network sufficiency, support the agency's well mitigation program, support environmental assessments for the Consolidated Permit Wellfields, and evaluate land use change, climate variability and climate change, minimum flows and levels, water use permit applications, and Tampa Bay Water system sustainability.

The IHM multi-scale research project was prompted by emerging needs to investigate anthropogenic

and climate influences (e.g., groundwater or surface-water pumping, minimum flows and levels, land use change, sea-level rise, and climate change) on water resources using smaller geographic areas of the INTB model, or smaller spatial and temporal scales than are used in the INTB model.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.12

DATE: February 5, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Paul Stanek, Chief Operating Officer

SUBJECT: Sole-Source Procurement for Analytical Equipment, Replacement Parts and Consumable Supplies, SSP 2024-508 with Hach Company - *Approve*

SUMMARY

Tampa Bay Water has standardized on Hach Company online water quality analyzers for many real-time water quality parameter readings throughout the operating system. The Agency's Purchasing Policy was followed to receive approval of Sole Source Posting 2024-508 for Hach purchases during Fiscal Year 2024. The total purchase amount requires Board approval.

SUGGESTED ACTION

Approve Sole-Source Procurement for Hach Company Analytical Equipment, Replacement Parts and Consumable Supplies.

COST/FUNDING SOURCE

$550,000.00 not to exceed FY 2024 budgeted funds.

DISCUSSION

A Sole Source for Analytical Equipment, Replacement Parts and Consumable Supplies was advertised using Bonfire and the Tampa Bay Water website on November 30, 2023. No objections or protests were received. Tampa Bay Water posted its Notice of Declaration on December 14, 2023.

The sole source has been reviewed and approved by Tampa Bay Water General Counsel's Office.

BACKGROUND

Tampa Bay Water's Operations Department budgets annually for online analytical equipment, repair services, replacement parts and consumable supplies. A portion of this budget is associated with analytical equipment manufactured by Hach Company. With the exception of APA6000 rotary valve parts, the Hach Company is the single source provider of analytical equipment, repair services, replacement parts and consumable supplies for Hach Company analyzers. Therefore, new equipment purchases, repair services, parts and reagents are obtained from the Hach Company through a sole source procurement method.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.13

DATE: February 1, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Maribel Medina, Planning and Projects Director

SUBJECT: Clearwater Administration Building Parking Lot Expansion, Project 01620 - Environmental Resource Permit Program Permit Application - *Approve*

SUMMARY

An Environmental Resource Permit Modification is required for the Clearwater Administration Building Parking Lot Expansion, Project 01620. The permit is the State of Florida's requirement to meet its delegated authority for compliance with Federal and State regulations.

SUGGESTED ACTION

Approve submittal of the Environmental Resource Permit Modification Application for the Clearwater Administration Building Parking Lot Expansion, Project 01620.

COST/FUNDING SOURCE

$3,000/ Released Debt Service Reserve Fund

DISCUSSION

Tampa Bay Water is required to modify the existing Environmental Resource Program Permit (ERP) from the Southwest Florida Water Management District (District) for the Clearwater Administration

Building Parking Lot Expansion, Project 01620.

The initial ERP for the Clearwater Administration Building was obtained in 2003 from the District and included impervious area associated with the Clearwater Administration building, existing ground-level parking, landscaped area, stormwater facilities and a future building that was anticipated to be constructed in the same location as the currently proposed expanded ground level parking lot. The parking lot expansion will add an additional 0.17 acres of impervious area which requires stormwater improvements. The permit modification application includes site stormwater modeling for the existing systems and the proposed additional impervious area inclusive of stormwater system components.

This permit application covers the environmental considerations and requirements that must be met to comply with the Federal Clean Water Act and State of Florida environmental rules and regulations.

This is a Primary Environmental Permit as defined by the Amended and Restated Local Agreement and is subject to arbitration rights by the Host Member Government, in this case, Pinellas County. As a Primary Environmental Permit, Board approval is required for submittal of this permit application. Given Board approval, the application may be submitted any time after March 30, 2024, unless the Host Member Government elects arbitration. If the Host Member Government elects arbitration, the application will be held for an additional 60 days while the arbitration process is initiated as provided by the Amended and Restated Interlocal Agreement Section 3.13.

Staff recommends approval to submit the ERP permit application to the Southwest Florida Water Management District. A copy of the application is available upon request from the Records department.

BACKGROUND

The Clearwater Administration Building Parking Lot Expansion, Project 0620 is included in Tampa Bay Water's Capital Improvements Program Plan. This project serves to increase the number of parking spaces at the Clearwater Administration Building to offset the loss of parking in an adjacent parking garage and will serve the needs of staff, the general public, and member governments that visit the Tampa Bay Water's administration building during the course of normal operations.

Tampa Bay Water's current administration building at 2575 Enterprise Road in Clearwater has a total of 37,000 (+/-) Square feet of office space and has 55 total parking spaces comprised of 50 standard spaces and five handicap spaces. The current City of Clearwater ordinance (LDC Article 3 – Division 14) requires a building of this size to have a total of 111 parking spaces, with five (5) of those required to be handicap accessible. Tampa Bay Water has an easement for additional spaces with an adjacent parking garage, however, the spaces have been unavailable since December 2021.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.14

DATE: February 8, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Justin D. Fox, Engineering and Construction Senior Manager

SUBJECT: 2045 System Hydraulic and Emergency Scenario Analysis Report, Project 11023, Contract No. 2022-001 Task Authorization - *Approve*

SUMMARY

A scope of services has been negotiated with Black and Veatch, retained under the Integrated Program Manager Consultant Contract 2022-001, to develop the 2045 System Hydraulic and Emergency Scenario Analysis Report, which involves evaluations of the finished water transmission system under projected future operating conditions through year 2045, including both normal operating conditions and emergency.

SUGGESTED ACTION

Approve negotiated work assignment with Black and Veatch under Contract No. 2022-001.

COST/FUNDING SOURCE

$874,900/Fiscal Year 2024 Budgeted Operating Funds

DISCUSSION

On September 20, 2021, the Board approved Contract 2022-001 to retain Black and Veatch as the

Integrated Program Manager Consultant to assist staff with the successful delivery of the Capital Improvements Program, provide staff augmentation services, serve as Owner's Engineer and Advisor and perform System Engineering activities among others.

Staff has negotiated a scope of services and fee under Work Assignment No.022 to develop the 2045 Hydraulic and Emergency Scenario Analysis Report, which involves evaluations of the Regional Finished Water Transmission System under projected future operating conditions through year 2045, including both normal operating conditions and emergency scenarios. The Agency's System Hydraulic and Emergency Scenario Analysis Report is updated every ten (10) years, and the last update was completed in 2015. This 2045 System Hydraulic and Emergency Scenario Analysis Update will be completed by 2025 and considers a 20-year planning horizon through year 2045.

The scope of services includes Defining Level of Service Requirements; Demand Projections; and Capacities for Supply & Transmission System Infrastructure; Transmission System Hydraulic Analysis; Transmission System Risk & Reliability Evaluation; Facility Risk & Reliability Evaluation; Standby Power and Commercial Power Reliability Assessments; Preliminary Implementation Planning for Improvement Concepts; and the 2045 System Hydraulic and Emergency Scenario Analysis Update Report.

Professional Services for this work assignment was listed in the solicitation for the Integrated Program Manager Consultant Contract 2022-001. Board approval is required for work assignments exceeding $250,000. Staff recommends Board approval of the negotiated Work Assignment No. 022 under Contract 2022-001 with Black and Veatch in the amount of $874,900, which includes a $60,000 Owner's Allowance.

BACKGROUND

Tampa Bay Water completes a comprehensive evaluation of its Regional Water Transmission System every 10 years to proactively identify system capacity and reliability improvements needed over a 20-year planning horizon. The system will be analyzed to determine the improvements needed for the water transmission system infrastructure (e.g., pipelines and pumping stations) to maintain a reliable water delivery capacity to each Member Government Point of Connection from the Tampa Bay Water system. The evaluation will consider both normal operating conditions as well as resiliency of the water delivery system under "emergency" type conditions, such as a planned or unplanned outage of a pipeline or pump station facility.

The Agency's first System Hydraulic and Emergency Scenario Analysis Report was completed in 2005 and considered future water demand projections through year 2025, hence known as the "2025 System Hydraulic and Emergency Scenario Analysis Report". The second update of the report was completed in 2015 and considered a 20-year planning horizon through year 2035. This "2045 System Hydraulic and Emergency Scenario Analysis Report" will be completed by 2025 and consider a 20-year planning horizon through year 2045.

The following items will be addressed by this updated system evaluation and report:

- The Agency's projected facility and transmission system capacity and operational limitations will be defined; and improvement concepts will be developed to proactively address those limitations.
- Concepts for capital improvement projects will be developed to enhance the reliability and resiliency of the regional system to meet Tampa Bay Water's Level of Service (LOS) requirements.
- In coordination with member governments, Level of Service goals will be established for non-typical/emergency operating conditions.
- Potential future water supply sources being considered as part of the Agency's Long-term Master Water Planning process will be evaluated to define optimized plans for integrating new supply sources into the existing Regional Transmission System.

Attachments (1)

2045 Hydraulic and Emergency Scenario Analysis Scope and Fee

Tampa Bay Water
Integrated Program Management Consultant Contract (Contract No. 2022-001)

Black & Veatch - Work Assignment #22 (WA-022)
2045 System Analysis Update (Project No. 11023)
Scope of Services
2/5/2024

I. OVERVIEW

As part of the Integrated Program Management Consultant (IPMC) contract, Tampa Bay Water has requested Black & Veatch (CONSULTANT) to support the 2045 System Analysis Update Project, which involves evaluations of the Regional Finished Water Transmission System under projected future operating conditions through year 2045, including both normal operating conditions and emergency scenarios. The System Analysis Update Project is updated every ten (10) years, with the last update being completed in 2015. This 2045 System Analysis Update will be completed by 2025 and considers a 20-year planning horizon through year 2045.

The goals for the 2045 System Analysis Update include:

- Define facility and transmission system capacity/operational limitations and develop improvement concepts to address the limitations.
- Enhance reliability and resiliency for meeting Tampa Bay Water's Level of Service (LOS) goals.
- Coordinate with stakeholders and obtain buy-in on LOS goals under non-typical/emergency operating conditions.
- Consider how future water supplies will be integrated into the Regional Transmission System.

CONSULTANT will update the 2035 System Analysis work that was completed in 2015. This effort will include the following tasks:

- Evaluate Regional Transmission System hydraulic capacity through 2045 water demand conditions.
- Evaluate emergency scenarios for numerous potential facility, pipeline and water supply source outage conditions.
- Review and update the previous 2035 System Analysis Update conclusions/recommendations

The services described in this document will be completed by CONSULTANT as a new work assignment under the IPMC Professional Services Agreement, Contract No.: 2022-001. As part of the 2045 System Analysis Update, CONSULTANT will also coordinate with Tampa Bay Water's As-Needed Engineering Consultant (V&A and its subconsultant Juturna Consulting) on specific tasks throughout the 2045 System

Analysis Update process. Tampa Bay Water has contracted directly with it's As-Needed Engineering Consultant for the services that they will be providing to support the 2045 System Analysis Update process.

A description of the services that CONSULTANT will perform under this work assignment are summarized below.

II. SCOPE OF SERVICES

Task 1- Project Kickoff, Initial Data Gathering, Management & Administration

1.1 Project Kickoff Meeting

CONSULTANT will coordinate and conduct a project Kickoff meeting with Tampa Bay Water to review the project purpose and objectives, Scope of Services, and schedule for project activities and deliverables. CONSULTANT will prepare a summary of the Kickoff meeting, outlining the tasks, roles, schedule, key team members/contact information, and any other topics and action items discussed at the meeting.

As part of the Kickoff meeting, CONSULTANT will discuss initial plans for coordination with key stakeholders as part of the 2045 System Analysis Update. These key stakeholders will include Member Governments and multiple Tampa Bay Water departments and staff that have ongoing activities and programs that need to be incorporated into the 2045 System Analysis Update (such as the Demand Management Program; Demand Forecasting; System Wide Reliability; Operations; Engineering; Planning & Projects etc.).

1.2 Initial Data Gathering

CONSULTANT will perform initial data gathering and review of relevant data available from Tampa Bay Water to support the Scope of Services. CONSULTANT has also already collected a significant amount of relevant data through previous work assignments and information provided by Tampa Bay Water. These previous efforts will limit the request for additional data to items that are critical to this Scope of Services. The data request items may include: SCADA, record drawings, GIS data, work orders and other relevant material.

CONSULTANT will develop and submit a data list to Tampa Bay Water that documents the relevant files gathered to date along with the remaining data request items requested at the project Kickoff Meeting.

1.3 Member Government Coordination

CONSULTANT will prepare for and participate in a kickoff meeting with the Member Governments to review the project purpose and objectives, Scope of Services, and schedule for project activities and deliverables (with a focus on the Member Government coordination activities proposed throughout the process). CONSULTANT will prepare a summary of the Kickoff meeting, outlining the tasks, roles,

schedule, key team members/contact information, and any other topics and action items discussed at the meeting.

Draft presentation material for the Member Government Kickoff Meeting will be submitted to Tampa Bay Water for review and feedback prior to sharing the meeting materials with the Member Governments.

1.4 Project Management and Administration

CONSULTANT will perform general administrative duties associated with the work assignment, including project set-up, resource management, progress monitoring, scheduling, QA/QC plan development and updating, and regular communication and coordination with Tampa Bay Water's Project Manager throughout the work assignment. CONSULTANT will participate in meetings and calls with Tampa Bay Water staff to support communication and coordination of the staff augmentation services.

CONSULTANT will use the Tampa Bay Water Masterworks Project Management software for document management as well as project planning, project management, project cost estimating, and contract management updates that will support Tampa Bay Water in managing its overall CIP.

CONSULTANT will prepare monthly project status reports that summarize the work completed during the previous invoice period and the project work anticipated for the next period. The project status reports will be submitted with each invoice. The standard Tampa Bay Water invoice and status reports templates will be used.

Task 1 Deliverables and Meetings:

- Project Kickoff meeting (including meeting materials and meeting minutes)
- Initial Data Request List and updates
- Project Schedule
- Member Governments Kickoff Meeting (including meeting materials and meeting minutes)
- Monthly Project Progress/Status Reports

Task 2 – Define LOS Requirements; Demand Projections; and Capacities for Supply & Transmission System Infrastructure

2.1 Level of Service (LOS) Requirements

a. Normal Conditions – CONSULTANT will review delivery pressure and water quality requirements (Exhibit C and D), maximum day demand hydraulic requirements, recurring transient pressure conditions, water supply requirements, and water age/travel time estimates for normal conditions.
b. Emergency Conditions – CONSULTANT will review previous LOS requirements (for water supply, pressure, water quality, etc.) established for emergency scenarios/conditions.

2.2 Water Demand Projections

CONSULTANT will review Tampa Bay Water's annual average daily (AAD) demand projections (Dec 2023 updates) for each Member Government service area and Point of Connection (POC) along with any updated demand projection data provided by Member Governments. CONSULTANT will document review comments and questions regarding the updated Tampa Bay Water and Member Governments demand projections.

CONSULTANT will evaluate historic operating data (SCADA data) to establish estimated peaking factors (average day to maximum day) for POCs. POCs that do not involve delivery into ground storage tanks (e.g., Lake Bridge, US 41, and Odessa) will also consider peak hour and diurnal demand pattern evaluations as noted in the 2035 System Analysis Update.

CONSULTANT will work with Tampa Bay Water staff to confirm a consistent understanding of the peaking factor assumptions to be used for this 2045 System Analysis Update. This includes an understanding of potential seasonal variations to consider for peaking factors, and how peaking factors for certain POCs may be forecasted to change in the future. The incorporation of other factors, such as non-revenue water assumptions, will also be considered and discussed with Tampa Bay Water staff.

2.3 Review of Capacities of Existing Water Supply and Transmission System Components

Tampa Bay Water maintains a comprehensive System Wide Operating Capacities Table that documents the capacities established for numerous facilities and infrastructure components throughout the Tampa Bay Water Regional System. The table includes information regarding the permitted, design, minimum turndown, peak day and sustainable operating capacities that have previously been established for each wellfield, pumping station, water treatment plant, Member Government POCs, and Emergency Interconnects between Member Governments. CONSULTANT will work with Tampa Bay Water and stakeholders to update and expand the capacity information in the table, including the addition of estimated capacities for the numerous pipelines that make up the Tampa Bay Water Regional Transmission System.

2.4 Level of Service & Operating Capacity Meetings

CONSULTANT will prepare for and participate in the following two meetings with Tampa Bay Water as part of this task:

1. Draft of Level of Service (LOS) Requirements Review Meeting
2. Draft Operating Capacities Table Update Meeting.

2.5 Member Government Coordination

CONSULTANT will prepare for and participate in up to six (6) meetings with individual Member Government staff (one meeting with each of the six Member Governments) to review progress on the 2045 System Analysis Update tasks and gather information and feedback regarding items such as demand projections and future planning considerations for each Member Government service area.

Feedback from the Member Governments will be considered to finalize flow projections and establish plans for the transmission system analyses that are proposed for remaining tasks described in this scope of services. Draft meeting material will be submitted to Tampa Bay Water for review prior to sharing workshop materials with the Member Governments. CONSULTANT will prepare and distribute meeting minutes following each meeting with the Member Governments.

Task 2 Deliverables and Meetings:

- LOS Requirements & Water Demand Analysis QC Meeting
- Draft of LOS Requirements Review Meeting
- Draft Operating Capacities Table Update Meeting (and draft updated table/spreadsheet in Microsoft Excel format)
- Six (6) total individual progress meetings with Member Governments (including associated meeting materials and minutes)

Task 3 – Transmission System Hydraulic Analysis

CONSULTANT will leverage the existing Regional Transmission System model (Model) that was calibrated in 2023 to support the hydraulic analysis that will be completed as part of this 2045 System Analysis Update. The Model will be updated as necessary to support the analysis, including incorporating the details for the Permanent Brandon Booster Station Facility and the latest design information for the South Hillsborough Pipeline Project.

3.1 Existing Network and 2045 Demand Update

CONSULTANT will update the existing system with planned transmission main and facility improvements and consider projected demands and system operating conditions for an intermediate 5-year increment for planning years 2025, 2030, 2035, 2040 and 2045. CONSULTANT will update the Model using the demand projections and capacity information established as part of Task 2 of this scope of services. The system operating scenarios evaluated will consider average day, max/peak day, diurnal demands, and seasonal variations, including different water resource management strategies that CONSULTANT will establish with Tampa Bay Water staff.

3.2 Impacts of Potential Future Water Supplies and POCs

CONSULTANT will consider how the integration of future water supply projects into the Regional Transmission System could impact the conclusions and recommendations regarding future system improvements proposed to meet LOS for typical operating conditions as well as emergency scenario conditions. The analysis will consider the potential future integration of one or more of the seven (7) short-listed water supply project concepts from the 2023 Long-Term Master Water Plan (LTMWP) along with a more general assessment of considering the impact of adding potential future water supply capacity to the system at the following three general locations:

1. West – Near the Keller Transmission Main and Pinellas Flowmeters POC

2. North – At or near the Cypress Creek Pump Station
3. South – At or near the planned future South Hillsborough Balm POC

CONSULTANT will also consider the projected impacts of adding potential future water supply delivery locations to the system if Member Governments inquire about the potential for a new POC as part of the kickoff or progress meetings.

The evaluations related to integrating future water supply sources and potential future Member Government POCs into the existing regional system will involve the development of transmission system improvement concepts. The transmission system improvements concepts will consider expanding or upsizing existing pump station and pipelines as well as the addition of new pumping stations and pipelines (along with potential alternative system operating strategies).

3.3 Transmission System Hydraulic Analysis and Progress Meeting

CONSULTANT will complete transmission system hydraulic analysis and compile the results from the future system operating scenarios that are modeled. CONSULTANT will present the results to Tampa Bay Water and request feedback or confirmation regarding the potential system improvement concepts that are recommended for further consideration and alternatives analysis. Examples of the type of system improvement concepts that will be considered are listed below:

a. Repump versus Bypass Mode Operation at the Cypress Creek Pump Station.
b. Loop 72 Pipeline to connect the NCHI/Morris Bridge Transmission Main to the South Pasco Transmission Main and/or the Cosme Transmission Main.
c. Inline Booster Pumping Station Facility Upstream of Pinellas Flowmeters POC.
d. Additions or modifications to existing infrastructure at POCs (Storage tanks, pump stations and yard piping).
e. Additions or modifications to existing infrastructure that connects wells/wellfields to the Regional Transmission System.

CONSULTANT will consider potential improvement concepts, system risk and reliability considerations, facility reliability, and standby/ auxiliary power needs to create a draft list of improvement project concepts that will support Tampa Bay Water in maintaining consistency with its LOS requirements and goals through 2045. Multiple alternatives will be considered, and the results will be documented for discussion along with the pros and cons of each alternative.

3.4 Hydraulic Model and Hydraulic Gradeline Tools and Training

CONSULTANT will update and calibrate the existing regional transmission system hydraulic model and hydraulic gradeline (HGL) tools (in Microsoft Excel) and provide the files to Tampa Bay Water. CONSULTANT will also prepare for and lead initial training sessions with Tampa Bay Water staff on the use of the hydraulic model, HGL tool and other system engineering tools developed to date. Two half day training sessions are proposed under this sub-task.

Task 3 Deliverables and Meetings:

- Transmission System Hydraulic Analysis Progress Meeting (including associated meeting materials and meeting minutes)
- Hydraulic Model and HGL Tools (in native formats) & Training Sessions (2)
- Note: The efforts completed as part of Task 3 will be documented in the meeting materials as well as the 2045 System Analysis Update report described for Task 8.

Task 4 – Transmission System Risk & Reliability Evaluation

To support the Level of Service requirements, CONSULTANT will develop a Risk Prioritization tool to aid in the long-term planning for rehabilitation and replacement (R&R) of transmission main and service (isolation) valve assets based upon capacity issues identified in Task 3. The CONSULTANT will leverage the hydraulic model pipeline network updated as part of Task 3, along with Tampa Bay Water's existing GIS to support the Risk and Reliability evaluations.

4.1 Transmission Main Risk Prioritization and Rehabilitation Planning

a. Risk Framework Development - In coordination with Tampa Bay Water, CONSULTANT will develop a risk framework that outlines the Likelihood of Failure (LOF) and Consequence of Failure (COF) criteria and respective scoring methodology for the transmission system to develop an overall Risk of Failure (ROF) score. Example LOF criteria will be based on readily available data that contributes to the failure of an asset and may include but not be limited to pipe size, cathodic protection history, prestressed concrete cylinder pipe (PCCP) condition assessment, work history, estimated service life, max/min operating pressures (based on hydraulic analysis from Task 3), etc. The estimated service life based on material and vintage will be based on standards provided by Tampa Bay Water. Example COF criteria will be based on readily available data that contributes to the criticality of an asset in the event of a failure and may include but not be limited to impacts to critical customers, proximity to transportation infrastructure, complexity of repair, proximity to environmentally sensitive areas, customer impacts, impacts to socially vulnerable populations, etc. Scoring for the LOF and COF criteria will be based on a one (1) to five (5) scale with one (1) indicating a very low LOF or COF and five (5) indicating a very high LOF or COF. CONSULTANT will conduct a workshop with Tampa Bay Water to review initial recommendations and finalize the LOF and COF criteria, scoring and weighting approaches to be used in the risk prioritization for the system. CONSULTANT will coordinate with Tampa Bay Water to define the risk classifications/ management strategy groups for planning level R&R needs, typically set-up as a five by five (5x5) risk matrix with defined groupings.

b. Risk Model Development and Execution- Based on the finalized risk criteria and framework from the above tasks, CONSULTANT will use out-of-the-box Esri ArcGIS Pro tools to spatially associate risk criteria (e.g., streets, critical customers, sensitive areas, populations, etc.) to each transmission main. The risk model will be developed in Microsoft Excel to determine the LOF and COF scores, total risk scores, and risk classification/management strategy for each

transmission main. The risk results can be incorporated into Tampa Bay Water's Maximo Enterprise Asset Management System (EAMS) based on a common link between the GIS transmission mains and Maximo database. One (1) workshop will be conducted by CONSULTANT with Tampa Bay Water to review risk results and obtain Tampa Bay Water's approval.

c. Rehabilitation Planning Recommendations and Decision Tree Development- In coordination with Tampa Bay Water, CONSULTANT will align and develop one (1) transmission main decision tree to align rehabilitation improvement planning future system needs along with capacity modeling needs identified through capacity modeling in Task 3. The decision process will identify priority groups based on the risk classification and additional selected criteria to determine appropriate management strategies for replacement. Results from the risk prioritization model will be used to support the decision tree development. For the identified pipe capacity concerns and/or associated system valves, discrete capital improvement project areas will be defined in Task 7. Where replacement strategies are recommended (based on the risk assessment/decision tree), planning level replacement costs will be provided based on unit costs developed in Task 7.

d. Transmission Main Risk Prioritization Dashboard Development: CONSULTANT will develop a dashboard to represent the final risk results from the distribution system. The dashboard will include individual tabs providing a summary of Tampa Bay Water's transmission system included in the R&R planning, overall risk results, a detailed risk criteria overview, and CIP summary. As an alternative to the Microsoft PowerBI platform for the distribution system, an ArcGIS Online dashboard can be developed to provide an overview of the risk results through a geospatial platform. CONSULTANT will coordinate with Tampa Bay Water to select the approach that will work best for Tampa Bay Water staff. The transmission main risk prioritization dashboard can also incorporate transmission main valve criticality results as part of Task 4.2 presented below.

e. Risk Prioritization Guidance Document: The CONSULTANT will develop a Risk Prioritization Guidance Document so that Tampa Bay Water can periodically update the risk prioritization as assets are added, updated, removed or abandoned. The guidance document will step through the LOF and COF data preparation process in GIS, maintenance of the risk prioritization spreadsheet, and integration with Tampa Bay Water's Maximo EAMS. This guidance document will also include data preparation, analysis setup and workflows for the valve criticality assessment as part of Task 4.2.

- Assumptions:
    a. LOF and COF criteria data will be based on readily available data
    b. Linkages exist between the Transmission Mains and Valves in GIS and Maximo

4.2 Transmission Main Valve Criticality Assessment

a. Criticality Development - In coordination with Tampa Bay Water, CONSULTANT will develop a valve criticality framework that outlines the criticality or consequence of failure (COF) criteria and respective scoring methodology for transmission system isolation valves in the event an

isolation valve was to fail or become inoperable. Example valve criticality criteria may include but not be limited to isolating pipes with a high consequence of failure, impacted users / water demands, number and size of impacted meters, de-watering time, etc. The transmission system valve criticality assessment will allow Tampa Bay Water to prioritize the exercising and replacement of valves, or identification of additional transmission main valves needed to minimize service disruption in the event of valve failure. The valve criticality criteria will be weighted based on importance and scored based on a 1 to 5 scale. CONSULTANT will conduct one (1) workshop with Tampa Bay Water to review initial results and finalize the criteria to be used in the valve criticality assessment for the transmission system. This could be combined with the workshop detailed in Task 4.1 or facilitated separately.

b. Valve Criticality Model Development and Execution- Based on the finalized criticality criteria and framework from the above tasks, CONSULTANT will develop a valve criticality model leveraging Consultant's GIS-based Valve Criticality Tool in ArcGIS Pro (Python script) and Excel to determine isolation valve criticality. One (1) workshop will be conducted by CONSULTANT with Tampa Bay Water to review risk results and obtain Tampa Bay Water's approval.

4.3 Pipe Break Scenarios

CONSULTANT will prepare a list of outage scenarios beginning with the pipe break scenarios defined in the 2035 System Analysis Update. CONSULTANT will consider additional pipe break scenarios based on new pipelines that are planned to be completed in the future (i.e., the South Hillsborough Pipeline). CONSULTANT will complete updated evaluations of pipe break scenarios based on the 2045 demand projections and create figures to document the results and conclusions from each pipe break scenario evaluated. Any system performance deficiencies identified from this analysis will be further evaluated as part of the alternatives analysis proposed as part of Task 7 of this scope of services - Preliminary Implementation Planning for Improvement Concepts.

4.4 Member Government Coordination

CONSULTANT will prepare for and participate in one-on-one meetings with each Member Government (6) following the completion of the transmission system risk and reliability evaluations. Feedback from the Member Governments will be considered for additional scenarios to be considered or potential improvements to be made to improve transmission system reliability under emergency scenarios. Draft presentation material will be submitted to Tampa Bay Water for feedback prior to sharing meeting materials with the Member Governments.

Task 4 Deliverables and Meetings:

- Transmission Main Risk Criteria (LOF and COF) and Value Criticality Definition Workshop
- Transmission Main Risk and Valve Criticality Model (ArcGIS Pro and Excel compatible)
- Transmission System Reliability User Guidance Documentation
- Transmission System Reliability QC Meeting

- Transmission System Reliability Results Workshop with Tampa Bay Water (including associated meeting materials and meeting minutes)
- Transmission System Reliability Evaluation Dashboard
- Transmission System Reliability Workshops with Member Governments (6) (including associated meeting materials and meeting minutes)

Task 5 – Facility Risk & Reliability Evaluation

A planned or unplanned outage of an existing water supply, treatment or pump station facility can represent a significant disruption to Tampa Bay Water's ability to deliver supply to its Member Governments. This task will include the development and evaluation of a number of potential facility outage scenarios to assess the impacts to ability to meet regional system demands and pressure requirements for the projected 2045 average day demand conditions.

Any system performance deficiencies identified from this analysis will be further evaluated as part of the alternatives analysis proposed as part of Task 7 of this scope of services - Preliminary Implementation Planning for Improvement Concepts.

5.1 Facility Reliability Scenarios

CONSULTANT will prepare a list of facility outage scenarios beginning with the facility outage scenarios developed in the 2035 analysis. CONSULTANT will also consider new infrastructure (i.e., the Permanent Brandon Booster Pump Station) to create a new list of facility outage scenarios. Scenarios such as a system wide loss of SCADA (remote control and monitoring capabilities) will also considered. CONSULTANT will complete updated evaluations of the facility outage scenarios based on the 2045 demand projections and create figures to document the results and conclusions from each facility outage scenario evaluated.

Note: Emergency Scenario planning related to losing power supply at individual facilities or over widespread areas impacting multiple Tampa Bay Water facilities will be evaluated as part of Task 6 of this scope of services.

5.2 Facility Availability Coordination

CONSULTANT will coordinate with Tampa Bay Water and its As-Needed Engineering Consultant (V&A and its sub-consultant Juturna Consulting) that will be leading the update of the previous facility availability analysis completed as part of the 2035 System Analysis Update for Tampa Bay Water's wellfields, pumping stations, and treatment facilities. CONSULTANT will use the results from the updated facility availability analysis to support the overall conclusions and recommendations being made as part of the 2045 System Analysis Update.

CONSULTANT will also work with Tampa Bay Water to define a proposed series of scenarios to assess with the System-Wide Reliability Evaluation model (SWRE model). The expected output from the model is availability for different flows in the units of percent time. It is expected that CONSULTANT will

request at least two scenarios from the SWRE model: Availability for Tampa Bay Water Major Facilities and Availability for Tampa Bay Water Supplies. The results will be reported and related to results of the pipe break scenarios, facility outage scenarios, and risk and resiliency work.

Task 5 Deliverables and Meetings:

- Facility Reliability Results Workshop (including associated meeting materials and meeting minutes)

Task 6 –Standby Power and Commercial Power Reliability Assessments

CONSULTANT will build upon the work of the 2035 System Analysis, the Generator Master Plan, Cypress Creek Facilities Global Standby Power Generators Study, current and planned projects in the Capital Improvements Program, and any related studies to provide an updated list of proposed standby power improvements for the 2045 System Analysis Update. The assessments will consider the following:

a. Power Supply Service Areas – CONSULTANT will confirm the power providers for each of Tampa Bay Water's power consuming facilities and create an updated figure that illustrates the commercial power providers' service areas relevant to the Tampa Bay Water Regional System.

b. Power Supply Equipment and System Reliability/Condition Assessment Reviews - CONSULTANT will review the most recent condition assessment information related to the power supply and standby power generator systems to define recommendations for improvements over the 20 year planning horizon. Examples of the types of improvement projects that may be recommended include the refurbishment or replacement of existing generators and replacement/modifications of existing powerline systems. Future condition assessment studies for specific facilities or systems may also be recommended if more detailed assessments are warranted to define appropriate refurbishment or replacement plans for specific power supply and standby power generator systems.

   As part of this task, CONSULTANT will also create templates to collect data regarding historical power outages and the likelihood and consequence of power supply reliability issues at each facility. These templates will be filled out with data available at this time and will indicate what additional evaluations may be needed in the future to complete the proposed data collection for historical power outages and the likelihood and consequence of power supply reliability issues at each facility.

c. Analysis of Generator Capacity vs. Projected 2045 System Operating Conditions - CONSULTANT will work with Tampa Bay Water staff to update the previous assessment of the standby power capacity at water supply and transmission facilities versus what is needed to meet the projected system operating conditions through year 2045. Preliminary improvement concepts will be developed and evaluated to define the recommended standby power generator improvements over the 20 year planning horizon. CONSULTANT will also consider the potential for future water supply projects to include standby power capacity.

Task 6 Deliverables and Meetings:

- Power Reliability Planning - Progress Meeting (including associated meeting materials and meeting minutes).
- Updated Figures, Lists and Tables from the 2035 System Hydraulic and Emergency Scenario Analysis including the following:
    - Power Suppliers Service Area Map.
    - Figures illustrating scenarios that use standby power capacity only to meet system demands under 2045 Average Day Demand Conditions.
    - Summary table of condition, age and capacity of emergency power generators and power supply systems.
    - Summary table of recommended emergency power generator improvements.
    - Summary of standby power capabilities (which will be included in the Appendix for the 2045 System Analysis Update Report)
- Summary table template for collecting information regarding historical power outage data at each facility, such as: date of the power outage, duration of the outage, the cause of outage (i.e. utility failure, standby power failure, electrical equipment failure, medium voltage distribution failure etc.), and impact of the outage on water delivery. CONSULTANT will develop the summary table template and populate it with the current available data, and highlight which information is currently not available.
- Summary table template for documenting a risk-based condition assessment analyses (considering both likelihood and consequence of failure) regarding the existing power supply for each Tampa Bay Water facility, including: utility service, standby power and power distribution systems. The intent of the proposed analysis is to define a cumulative overall risk rating for each facility electrical system based on the facility criticality rating, and electrical system risks. Electrical system risks would include utility service reliability, single points of failure, capacity, impact of a potential outage, duration of a potential outage and critical equipment obsolescence. CONSULTANT will develop the summary table template and populate it with the current available data, and summarize a proposed approach for defining the data that is currently not available.

Task 7- Preliminary Implementation Planning for Improvement Concepts

This task will focus on preliminary implementation planning for proposed improvements identified as part of the 2045 System Analysis Update. Recommendations will balance Level of Service, water quality, risk, reliability, consistency of delivery pressure, operational ease, and energy costs; and will consider opportunities to group improvements into future capital projects based on priority, location, type of work, and recommended delivery method. Recommendations will be provided for consideration as new projects for scoring and ranking as applicable in the future CIP planning cycles.

7.1 Draft System Improvement Recommendations Workshop

CONSULTANT will facilitate a workshop to discuss the preliminary implementation planning for improvements with Tampa Bay Water staff to solicit feedback and refine the approach. The workshop

will also focus on coordinating and discussing key messages for coordination with the Member Governments.

7.2 Member Government Coordination

CONSULTANT will prepare for and participate in a workshop with Tampa Bay Water and Member Government staff to present the draft conclusions, recommendations and preliminary implementation plans for improvement concepts defined as part of the 2045 System Analysis Update. Draft presentation material will be submitted to Tampa Bay Water for review and comment before the workshop. CONSULTANT will also submit meeting minutes following the workshop to document the feedback, questions and comments from the Member Governments.

7.3 Project Cost Opinions and Duration Schedules

CONSULTANT will develop Class V level capital cost opinions for each recommended improvement concept using Tampa Bay Water's cost estimating tool. Capital cost opinions will provide a breakdown of the costs by project phase (i.e., planning, design, construction). Proposed delivery strategy will also be considered for any recommended improvement project concepts.

Duration based schedules will also be developed to reflect the preliminary implementation plans for each proposed improvement project concept. Schedule constraints or limitations will be defined, as it relates to existing planned CIP projects.

Task 7 Deliverables and Meetings:

- Preliminary Improvement Implementation Planning QC Meeting
- Preliminary Improvement Implementation Planning Workshop with Staff
- Capital Cost Opinions
- Duration Based Schedules
- One page summary/fact sheets for each recommended improvement project
- Preliminary Improvement Implementation Planning Workshop with Member Governments

Task 8 - 2045 System Analysis Update Report

Draft Report – CONSULTANT will document all results in a draft report. The report will incorporate the final versions of the various technical memoranda prepared and the outcomes of the various workshops during previous phases of work. The report will describe the evaluations performed and the resulting recommendations. The report will provide recommendations for system and facility improvements to maintain Level of Service in 2045. System maps and figures to support the recommendations and summarize the proposed improvements will be provided. One electronic copy of the draft 2045 System Analysis Report will be provided.

Draft Report Workshop- CONSULTANT will facilitate a workshop and PowerPoint presentation with staff to present the draft report and receive comments.

Final Report - CONSULTANT will incorporate comments from the review workshop and update the 2045 System Analysis Report to address these comments. One (1) hard copy, signed and sealed by a Florida Licensed Professional Engineer, and one electronic copy with electronic seal and signature of the final report will be provided. The updated hydraulic model and CIP planning tools will also be provided with the final report.

CONSULTANT will participate in a lessons learned workshop with Tampa Bay Water and support the documentation of lessons learned items.

Task 9 – Owner's Allowance

An Owner's Allowance budget of $60,000 is included to allow Tampa Bay Water to request CONSULTANT to perform additional related tasks that are beyond the efforts described in this scope of services. Examples of supplemental services that Tampa Bay Water may request include: participation in additional meetings with Tampa Bay Water and Member Government staff; analysis of raw groundwater and surface water transmission systems; support with AWIA (America's Water Infrastructure Act) Risk and Resilience Assessment updates/re-certification; and more detailed condition assessments of existing facilities and power supply systems. The use of Owner's Allowance budget by CONSULTANT may be authorized in writing at the sole discretion of the Tampa Bay Water Project Manager.

III. SCHEDULE

The estimated duration of tasks and preliminary schedule for completing the 2045 System Hydraulic and Emergency Scenario Analysis is shown below. A more detailed schedule will be developed and provided to Tampa Bay Water for review at the Kickoff meeting (and updated periodically as necessary throughout the completion of the project).

CONSULTANT can begin work immediately upon approval for this Work Assignment and the issuance of a Notice to Proceed (NTP) by Tampa Bay Water.

Project Schedule	
Task Name	**Duration**
Task 1- Project Kickoff, Initial Data Gathering, Management & Administration	Feb 2024 – Jul 2024
Task 2 – Define LOS Requirements; Demand Projections; and Capacities for Supply & Transmission System Infrastructure	
Task 3 – Transmission System Hydraulic Analysis	
Task 4 – Transmission System Risk & Reliability Evaluation	Aug 2024 –Feb 2025
Task 5 – Facility Risk & Reliability Evaluation	
Task 6 –Standby Power and Commercial Power Reliability Assessments	
Task 7- Preliminary Implementation Planning for Improvement Concepts	Mar 2025 – Sep 2025
Task 8 - 2045 System Analysis Report	

IV. COMPENSATION

For the performance of services described in Tasks 1 through 9 in this scope of services, including Owner's Allowance, Tampa Bay Water agrees to compensate CONSULTANT on a time & materials basis with a not-to-exceed budget of $874,900 and consistent with the terms of the agreement for Tampa Bay Water Contract No. 2022-001.

The table below provides a breakdown of the budget for each of the tasks described in the scope of services.

Project Budget	
Task Name	**Budget**
Task 1- Project Kickoff, Initial Data Gathering, Management & Administration	$76,900
Task 2 – Define LOS Requirements; Demand Projections; and Capacities for Supply & Transmission System Infrastructure	$116,300
Task 3 – Transmission System Hydraulic Analysis	$140,500
Task 4 – Transmission System Risk & Reliability Evaluation	$141,700
Task 5 – Facility Risk & Reliability Evaluation	$104,000
Task 6 –Standby Power and Commercial Power Reliability Assessments	$61,700

Task 7- Preliminary Implementation Planning for Improvement Concepts	$69,500
Task 8 - 2045 System Analysis Update Report	$104,300
Task 9 – Owner's Allowance	$60,000
Total	**$874,900**

Certain assumptions have been made in preparing this Scope of Services and are stated herein and included in the project budget. This project involves several meetings and workshops with Tampa Bay Water and its Member Governments. The input from these meetings could result in the identification of proposed additional evaluations and services to support the development of the 2045 System Analysis Update. If the requested work tasks differ from the assumptions presented herein, or if Tampa Bay Water desires additional (supplemental) services, the resultant change may serve as a basis for an equitable adjustment in scope and compensation as agreed upon by both Tampa Bay Water and CONSULTANT.

CONSULTANT shall submit invoices for work completed on a monthly basis.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.15

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Warren Hogg, Chief Science Officer

SUBJECT: As-Needed Analytical Laboratory Services Contract No. 2022-037 with Pace Analytical Services, LLC - Price Escalation and Year Two Renewal Option - *Approve*

SUMMARY

Tampa Bay Water uses outside analytical laboratory services to provide some water quality analyses including some that are performed infrequently and/or require a level of protection from health and safety hazards that is not required for most drinking water quality testing. The current analytical service contract will expire on March 30, 2024. This item extends the contract for one additional year, as provided in the contract.

SUGGESTED ACTION

Approve Second Amendment to Contract No. 2022-037 with Pace Analytical Services, LLC to include a price escalation for as-needed services and to exercise the year two renewal option.

COST/FUNDING SOURCE

Uniform Rate. Fiscal Years 2024/2025 Budgets - Contract amount was previously approved up to $25,000 annually using budgeted funds. Requested unit price increases for required analyses are within the $25,000 annual budget.

DISCUSSION

Tampa Bay Water uses As-Needed Laboratory Analytical Services contracts to supplement its laboratory services for drinking water quality testing. Contract No. 2022-037 was competitively bid and awarded to Pace Analytical Services, LLC. Tampa Bay Water's Board of Directors approved this contract on March 21, 2022. The terms of the contract provided renewal options for an additional three years, renewable one year at a time or any portion thereof. The second year of this contract is set to expire on March 30, 2024.

As part of the option year renewal process, Pace Analytical Services, LLC informed Tampa Bay Water's Purchasing Department that the products and services provided have experienced market increases. Tampa Bay Water staff confirmed the industry information and Consumer Price Index data for the last 12-month period from the U.S. Bureau of Labor Statistics and other market conditions. This research indicated that it would be in the best interest of Tampa Bay Water to renew the agreement for the second option year including the price increases instead of pursuing a new procurement.
The proposed amendment has been approved as to form by Tampa Bay Water's General Counsel and is attached to this agenda item. Staff recommend approval of the Second Amendment to Contract No. 2022-037 with Pace Analytical Services, LLC.

BACKGROUND

The Tampa Bay Water Laboratory is certified under the National Environmental Laboratory Accreditation Program (NELAP) to perform many drinking water and non-potable water analyses. Other permit-required analyses that may require equipment/instrumentation that the Laboratory does not have are contracted out to private laboratories with the appropriate analytical equipment. These analyses include but are not limited to herbicides, pesticides, radioisotopes, and mercury. This has proven to be the most cost-effective means of accomplishing the required work in a timely manner.

Based on the ongoing number of analyses required, cost-effectiveness comparisons have shown that use of outside vendors for these water quality parameters is more efficient than purchasing and maintaining equipment, annual certifications, and adding and training staff. In addition, outside laboratories serve as an important backup during times when multiple staff members are unavailable, delivery of critical supplies are delayed, and/or when instrumentation repairs cannot be made in sufficient time to assure compliance as learned during the recent pandemic and post-pandemic periods.

Attachments (1)

Second Amendment to Contract 2022-037

TAMPA BAY WATER, A REGIONAL WATER SUPPLY AUTHORITY
SECOND AMENDMENT
NO. 2022-037

THIS SECOND AMENDMENT is made and entered into this __ day of_____, 202__, by and between **TAMPA BAY WATER, A Regional Water Supply Authority**, an interlocal governmental agency created and existing pursuant to Sections 163.01, 373.713 and 373.715, Florida Statutes, acting by and through its Board of Directors, the governing board thereof ("TAMPA BAY WATER"), and **PACE ANALYTICAL SERVICES, LLC,** a limited liability company registered in the State of Minnesota and authorized to conduct business in the State of Florida, ("CONTRACTOR").

WHEREAS, TAMPA BAY WATER retained CONTRACTOR for As-Needed Laboratory Analytical Services under Contract Number: 2022-037, hereinafter "the Contract"; and

WHEREAS, TAMPA BAY WATER selected CONTRACTOR in accordance with the provisions of TAMPA BAY WATER'S procurement policy and applicable provisions of Florida law; and

WHEREAS, TAMPA BAY WATER and CONTRACTOR entered into a Contract for As-Needed Laboratory Analytical Services and it was approved by the Board of Directors on March 21, 2022 and a First Amendment was approved by the Board on February 27, 2023; and

WHEREAS, TAMPA BAY WATER desires to continue to utilize CONTRACTOR for services based upon the terms and conditions set forth in the Contract, as hereby amended.

NOW, THEREFORE, in consideration of the forgoing premises, which shall be deemed an integral part of this Second Amendment to the Contract, and for other good and valuable consideration, the sufficiency and adequacy of which are hereby acknowledged, TAMPA BAY WATER and CONSULTANT, intending to be legally bound, agree as follows:

1. The Contract is hereby amended to include an 2.5% price escalation adjustment for services in accordance with Part III Additional Conditions, Section 7 of the Contract as follows:

Product	**Current Price**	**Renewal Price**
Cyanide, Total	$26.78	$27.44
Antimony	$16.07	$16.47
Mercury	$22.49	$23.05
Thallium	$16.07	$16.47
Odor	$21.42	$21.96
Foaming Agents	$62.12	$63.67
Chlorophyll-A	$56.76	$58.18
Gross Alpha	$48.20	$49.40
Radium 226	$80.33	$82.33

Product	Current Price	Renewal Price
Radium 228	$80.33	$82.33
Uranium	$39.63	$40.62
Total Phosphorous	$22.49	$23.05
Total Kjeldahl Nitrogen	$22.49	$23.05
Synthetic Organic Contaminants (SOCs) – See Specification Section 2.c. for listing.	$946.76	$970.43

2. In accordance with Section 2.0, Term, of the Contract, TAMPA BAY WATER and the CONTRACTOR agree to exercise option two (2) of three (3) options to renew the Contract under terms acceptable to both parties, as amended herein through March 31, 2025. By signing this document, the CONTRACTOR agrees to exercise this CONTRACT renewal option.

3. FOREIGN COUNTRIES OF CONCERN
Pursuant to Section 287.138, Florida Statutes, Tampa Bay Water may not enter into a contract with an entity that gives access to an individual's personal identifying information if the entity is owned, controlled or organized under the laws of a Foreign Country of Concern which includes the :People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, the Syrian Arab Republic, or any other entity or agency under the significant control of such Foreign Country of Concern.

4. This Second Amendment is hereby made a part of, and incorporated in its entirety, into the Contract.

5. In all other respects, the Contract, is hereby reaffirmed by the parties and remains in full force and effect.

[THE REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed by their duly qualified representatives.

WITNESSES:

_____
Signature

Becki Day Elizabeth Boivin Day
Print Name

_____
Signature

Kendra Price
Print Name

PACE ANALYTICAL SERVICES, LLC

By: _____
David M. Chaffman

Its: Director of Sales

Date: 01/04/24

(CORPORATE SEAL)

ATTEST:

_____
Charles H. Carden, General Manager

TAMPA BAY WATER, A Regional Water Supply Authority

By: _____

Its: _____

Date: _____

(SEAL)

APPROVED AS TO FORM:

_____
General Counsel

State of Florida
County of Volusia
The foregoing instrument was acknowledged before me via a State of Florida authorized on-line signing session, video/audio recorded, on this 4th day of January 2024. By David Chaffman, witness by, Kendra Price who are all personally Known to me.
Notary Public:

Elizabeth Boivin Day
My Commission Expires:
July 31, 2027

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.16

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Warren Hogg, Chief Science Officer

SUBJECT: As-Needed Professional Services Agreement - First Amendment to Contract No. 2022-034 for Assignment to Environmental Science Associates Corporation - *Approve*

SUMMARY

Janicki Environmental, Inc. was awarded As-Needed Ecological Services Contract No 2022-034 on March 21, 2022. Recently, the firm was acquired by Environmental Science Associates Corporation and this item requests assignment of the contract to the new company.

SUGGESTED ACTION

Approve the First Amendment to Contract No 2022-034 assigning the contract to Environmental Science Associates Corporation.

COST/FUNDING SOURCE

N/A

DISCUSSION

The Board approved Contract No. 2022-034 for As-Needed Professional Ecological Services with Janicki Environmental, Inc. on March 21, 2022. Tampa Bay Water received notification from Janicki

Environmental, Inc. on January 10, 2024 that it had been acquired and now conducts business as Environmental Science Associates Corporation. The firm requested that Contract 2022-034 be assigned to Environmental Science Associates Corporation with no change to the contract provisions. Tampa Bay Water staff concur with the assignment of the contract to the Environmental Science Associates Corporation to allow for the continued expertise offered in estuarine systems and to allow all necessary assignments to be completed.

The proposed First Amendment to Contract No. 2022-034 has been approved as to form by Tampa Bay Water's General Counsel and is attached to this agenda item. Staff recommends approval of the First Amendment to Contract No. 2022-034.

BACKGROUND

Tampa Bay Water uses as-needed professional services contracts to extend the technical expertise and expand staff functions of the agency. In order to manage workload variations (both within each year and from year to year), Tampa Bay Water has traditionally used outside consultants with particular experience and expertise for short-term activities rather than acquiring additional staff. This has proven to be a cost-effective means of accomplishing the required work in a timely manner. The as-needed ecological services contracts are used to perform environmental services on a task order basis each with a contract limit of $500,000. These services support multiple Water Use Permits for agency water supply facilities and the operation of our water supply facilities.

Attachments (1)

Contract 2022-034 First Amendment

TAMPA BAY WATER, A REGIONAL WATER SUPPLY AUTHORITY
FIRST AMENDMENT TO AGREEMENT
NO. 2022-034

THIS FIRST AMENDMENT is made and entered into this ___ day of _____, 2024, by and between **TAMPA BAY WATER, A Regional Water Supply Authority**, an interlocal governmental agency created and existing pursuant to Sections 163.01, 373.713 and 373.715, Florida Statutes, acting by and through its Board of Directors, the governing board thereof ("TAMPA BAY WATER"), and **ENVIRONMENTAL SCIENCE ASSOCIATES CORPORATION,** who recently acquired **JANICKI ENVIRONMENTAL, INC.** ("CONSULTANT") a corporation in the State of California and authorized to do business in the State of Florida.

WHEREAS, TAMPA BAY WATER retained CONSULTANT for As Needed Ecological Services – Estuarine Systems services under Agreement Number: 2022-034, hereinafter "the Agreement"; and

WHEREAS, TAMPA BAY WATER selected CONSULTANT in accordance with the provisions of TAMPA BAY WATER'S procurement policy and applicable provisions of Florida law; and

WHEREAS, TAMPA BAY WATER and CONSULTANT, entered into a contract for As Needed Ecological Services – Estuarine Systems services and it was approved by the Board of Directors on March 21, 2022; and

WHEREAS, CONSULTANT, Janicki Environmental, Inc., was acquired by, and now operates under Environmental Science Associates Corporation; and

WHEREAS, TAMPA BAY WATER desires to continue to utilize CONSULTANT for services based upon the terms and conditions set forth in the Agreement, as hereby amended.

NOW, THEREFORE, in consideration of the forgoing premises, which shall be deemed an integral part of this First Amendment to the Agreement, and for other good and valuable consideration, the sufficiency and adequacy of which are hereby acknowledged, TAMPA BAY WATER and CONSULTANT, intending to be legally bound, agree as follows:

1. Contract Number 2022-034 is hereby amended to reflect that Janicki Environmental, Inc. now operates under the name of Environmental Science Associates Corporation as described in the letter, attached hereto as Exhibit A.

2. FOREIGN COUNTRIES OF CONCERN
Pursuant to Section 287.138, Florida Statutes, Tampa Bay Water may not enter into a contract with an entity that gives access to an individual's personal identifying information if the entity is owned, controlled or organized under the laws of a Foreign Country of Concern which includes the :People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, the Syrian Arab Republic, or any other entity or agency under the significant control of such Foreign Country of Concern.

3. This First Amendment is hereby made a part of, and incorporated in its entirety, into the Agreement.

4. In all other respects, the Agreement, is hereby reaffirmed by the parties and remains in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed by their duly qualified representatives.

WITNESSES:

Signature

Michael Arnold
Print Name

Susan S. Janicki
Signature

Susan S. Janicki
Print Name

ENVIRONMENTAL SCIENCE ASSOCIATES CORPORATION

By:

Julie Sullivan

Its: Senior Vice President

Date: 1/22/2024

ENVIRONMENTAL SCIENCE ASSOCIATES CORPORATE SEAL July 3, 1969 California

ATTEST:

Charles H. Carden, General Manager

TAMPA BAY WATER, A Regional Water Supply Authority

By:

Its:

Date:

APPROVED AS TO FORM:

General Counsel

(SEAL)

EXHIBIT A

ESA

5404 Cypress Center Drive
Suite 125
Tampa, FL 33609
813.207.7200 phone
813.207.7201 fax

esassoc.com

January 10, 2024

Mr. Warren Hogg, Chief Science Officer
Tampa Bay Water
2575 Enterprise Road
Clearwater, FL 33763
Email: whogg@tampabaywater.org

Subject: Request for Contract Assignment -- Contract No. 2022-034 For As Needed Ecological Services – Estuarine Systems, dated March 21, 2023

Dear Mr. Hogg:

On December 29, 2023, Environmental Science Associates (ESA) purchased Janicki Environmental, Inc. (Janicki). As part of the transaction, all of Janicki Environmental's employees continue to work for ESA. Our long history of working together now brings one combined team with a deeper talent pool and level of resources.

We are requesting a contract assignment to ESA of the above referenced contract. We are committing to you that the assignment will not result in unauthorized personnel working on the projects nor interruption of continuity of service. All of the contractual obligations will continue to be satisfied by ESA after the assignment.

Attached please find the new insurance information from ESA that was formerly provided by Janicki. We appreciate the opportunity to work for the Tampa Bay Water (TBW). We look forward to our ongoing excellent and productive relationship with TBW. If you need any additional information, please do not hesitate to reach out to either of us.

Very truly yours,

Julie Sullivan
Senior Vice President
jsullivan@esassoc.com
(407) 748-2729

Susan S. Janicki
Susan S. Janicki
Environmental Scientist
sjanicki@esssoc.com
(727) 744-7221

ENVISCI-05 MCCOWANA

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 1/12/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER License # 0E67768 IOA Insurance Services 3636 Nobel Drive Suite 410 San Diego, CA 92122	CONTACT NAME: Ali Smith PHONE (A/C, No, Ext): (619) 788-5795 50206 FAX (A/C, No): (619) 574-6288 E-MAIL ADDRESS: Ali.Smith@ioausa.com
INSURED Environmental Science Associates 575 Market Street, Suite 3700 San Francisco, CA 94105	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : RLI Insurance Company — 13056 INSURER B : Crum & Forster Specialty Insurance Company — 44520 INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE [X] OCCUR X Cont Liab/Sev of Int X XEU/BFPD GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [X] PRO-JECT [ ] LOC OTHER: Incl Water Craft Liability	X	X	PSB0007416	12/1/2023	12/1/2024	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Ded	$ 2,000,000 $ 1,000,000 $ 10,000 $ 2,000,000 $ 4,000,000 $ 4,000,000 $ 0
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY SCHEDULED AUTOS HIRED AUTOS ONLY NON-OWNED AUTOS ONLY X Comp Ded $1,000 X Coll Ded $1,000	X	X	PSA0002468	12/1/2023	12/1/2024	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 0			PSE0004550	12/1/2023	12/1/2024	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000 $
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N [ ] If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	X	PSW0004135	12/1/2023	12/1/2024	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
B	Prof Liab/Ded. $50K			PKC114779	12/1/2023	12/1/2024	Per Claim	8,000,000
B	Poll Liab/Ded. $50K			PKC114779	12/1/2023	12/1/2024	Aggregate	8,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
RE: Contract Project #2022-034

Tampa Bay Water, the Engineer, their consultants, any subsidiaries or affiliates and each of their directors, officers, shareholders, agents, or employees are Additional Insureds with respect to General and Auto Liability per the attached endorsements as required by written contract. Insurance is Primary and Non-Contributory. Waiver of Subrogation applies to General Liability, Auto Liaiblity, and Workers' Compensation.

30 Days Notice of Cancellation with 10 Days Notice for Non-Payment of Premium in accordance with the policy provisions.

CERTIFICATE HOLDER

Tampa Bay Water
2575 Enterprise Road
Clearwater, FL 33763-1102

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
T. Kelly Horrell

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Named Insured: Environmental Science Associates
Policy Number: PSB0007416

RLI Insurance Company

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

RLIPack® FOR PROFESSIONALS
BLANKET ADDITIONAL INSURED ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESSOWNERS COVERAGE FORM - SECTION II – LIABILITY

1. **C. WHO IS AN INSURED** is amended to include as an additional insured any person or organization that you agree in a contract or agreement requiring insurance to include as an additional insured on this policy, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused in whole or in part by you or those acting on your behalf:
   a. In the performance of your ongoing operations;
   b. In connection with premises owned by or rented to you; or
   c. In connection with "your work" and included within the "product-completed operations hazard".
2. The insurance provided to the additional insured by this endorsement is limited as follows:
   a. This insurance does not apply on any basis to any person or organization for which coverage as an additional insured specifically is added by another endorsement to this policy.
   b. This insurance does not apply to the rendering of or failure to render any "professional services".
   c. This endorsement does not increase any of the limits of insurance stated in **D. Liability And Medical Expenses Limits of Insurance.**
3. The following is added to **SECTION III H.2. Other Insurance – COMMON POLICY CONDITIONS (BUT APPLICABLE ONLY TO SECTION II – LIABILITY)**

   However, if you specifically agree in a contract or agreement that the insurance provided to an additional insured under this policy must apply on a primary basis, or a primary and non-contributory basis, this insurance is primary to other insurance that is available to such additional insured which covers such additional insured as a named insured, and we will not share with that other insurance, provided that:
   a. The "bodily injury" or "property damage" for which coverage is sought occurs after you have entered into that contract or agreement; or
   b. The "personal and advertising injury" for which coverage is sought arises out of an offense committed after you have entered into that contract or agreement.
4. The following is added to **SECTION III K. 2. Transfer of Rights of Recovery Against Others to Us – COMMON POLICY CONDITIONS (BUT APPLICABLE TO ONLY TO SECTION II – LIABILITY)**

   We waive any rights of recovery we may have against any person or organization because of payments we make for "bodily injury", "property damage" or "personal and advertising injury" arising out of "your work" performed by you, or on your behalf, under a contract or agreement with that person or organization. We waive these rights only where you have agreed to do so as part of a contract or agreement with such person or organization entered into by you before the "bodily injury" or "property damage" occurs, or the "personal and advertising injury" offense is committed.

ALL OTHER TERMS AND CONDITIONS OF THIS POLICY REMAIN UNCHANGED.

Named Insured: Environmental Science Associates
Policy Number: PSA0002468

BUSINESS AUTO COVERAGE FORM

A. Broad Form Named Insured

The following is added to the **SECTION II – COVERED AUTOS LIABILITY COVERAGE,** Paragraph **A.1. Who Is An Insured** Provision:

Any business entity newly acquired or formed by you during the policy period, provided you own fifty percent (50%) or more of the business entity and the business entity is not separately insured for Bus-iness Auto Coverage. Coverage is extended up to a maximum of one hundred eighty (180) days following the acquisition or formation of the business entity.

This provision does not apply to any person or organization for which coverage is excluded by endorsement.

B. Employees As Insureds

The following is added to the **SECTION II – COVERED AUTOS LIABILITY COVERAGE,** Paragraph **A.1. Who Is An Insured** Provision:

Any "employee" of yours is an "insured" while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

C. Blanket Additional Insured

The following is added to the **SECTION II – COVERED AUTOS LIABILITY COVERAGE,** Paragraph **A.1. Who Is An Insured** Provision:

Any person or organization that you are required to include as an additional insured on this coverage form in a contract or agreement that is executed by you before the "bodily injury" or "property damage" occurs is an "insured" for liability coverage, but only for damages to which this insurance applies and only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in **SECTION II – COVERED AUTOS LIABILITY COVERAGE.**

The insurance provided to the additional insured will be on a primary and non-contributory basis to the additional insured's own business auto coverage if you are required to do so in a contract or agreement that is executed by you before the "bodily injury" or "property damage" occurs.

D. Blanket Waiver Of Subrogation

The following is added to the **SECTION IV – BUSI-NESS AUTO CONDITIONS, A. Loss Conditions, 5. Transfer Of Rights Of Recovery Against Others To Us:**

We waive any right of recovery we may have against any person or organization to the extent required of you by a contract executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of the operations contemplated by such contract. The waiver applies only to the person or organization designated in such contract.

E. Employee Hired Autos

1. The following is added to the **SECTION II – COVERED AUTOS LIABILITY COVERAGE,** Paragraph **A.1. Who Is An Insured** Provision:

   An "employee" of yours is an "insured" while operating an "auto" hired or rented under a contract or agreement in that "employee's" name, with your permission, while performing duties related to the conduct of your business.

2. Changes In General Conditions:

   Paragraph **5.b.** of the **Other Insurance** Condition in the **BUSINESS AUTO CONDITIONS** is deleted and replaced with the following:

   b. For Hired Auto Physical Damage Coverage, the following are deemed to be covered "autos" you own:

      (1) Any covered "auto" you lease, hire, rent or borrow; and

      (2) Any covered "auto" hired or rented by your "employee" under a contract in that individual "employee's" name, with your permission, while performing duties related to the conduct of your business. However, any "auto" that is leased, hired, rented or borrowed with a driver is not a covered "auto".

F. Fellow Employee Coverage

SECTION II – COVERED AUTOS LIABILITY COVERAGE, Exclusion B.5. does not apply if you have workers compensation insurance in-force covering all of your employees.

G. Auto Loan Lease Gap Coverage

SECTION III – PHYSICAL DAMAGE COVERAGE, C. Limit Of Insurance, is amended by the addition of the following:

In the event of a total "loss" to a covered "auto" shown in the Schedule of Declarations, we will pay any unpaid amount due on the lease or loan for a covered "auto", less:

1. The amount paid under the **PHYSICAL DAMAGE COVERAGE** section of the policy; and
2. Any:
   a. Overdue lease/loan payments at the time of the "loss";

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT–CALIFORNIA

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

You must maintain payroll records accurately segregating the remuneration of your employees while engaged in the work described in the Schedule.

The additional premium for this endorsement shall be 2% of the California workers' compensation premium otherwise due on such remuneration.

Schedule

Person or Organization	Job Description
All persons or organizations that are party to a contract that requires you to obtain this agreement, provided you executed the contract before the loss.	Jobs performed for any person or organization that you have agreed with in a written contract to provide this agreement.

Signature: Warren Hogg
Warren Hogg (Jan 24, 2024 10:32 EST)
Email: whogg@tampabaywater.org

Signature: Kristi Dimon
Email: ksimon@tampabaywater.org

Signature: Christina Sackett
Email: csackett@tampabaywater.org

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.
(The information below is required only when this endorsement is issued subsequent to preparation of the policy.)

Named Insured: Environmental Science Associates
Policy Number: PSW0004135
Insurance Company: RLI Insurance Company

Countersigned By T. Kelly Harrell

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TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.17

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Fiscal Year 2023 Year-end Reporting of Encumbered and Unencumbered Funds Transfers - *Receive Report*

SUMMARY

At the September 2023 meeting, the Board approved the transfer of the unexpended funds remaining available at the close of fiscal year 2023, to various funds and accounts. At that time, preliminary estimated amounts were approved, subject to the reporting of final numbers at completion of the annual audit. The 2023 annual audit has been completed and the final transfer amounts are presented in the attached table.

SUGGESTED ACTION

Receive Report.

COST/FUNDING SOURCE

Fiscal Year 2023 Uniform Rate unexpended funds collected, no impact on FY2024 Uniform Rate

DISCUSSION

At year-end, the Agency is required by contract and by its bond indentures to transfer unexpended funds to the Utility Reserve Fund and must be recorded within 90 days of year-end. Funds may then flow to the Rate Stabilization Account and various other funds to allow for their use in subsequent years as approved by the Board. At the start of the new fiscal year, funds are made available for board-

designated uses by transfers from the Rate Stabilization Account or reserves and applied to the appropriate budget categories.

Each year, staff asks for Board approval to make the appropriate transfers to close the fiscal year and provides a best estimate of the transfer amounts at that time and states the final amounts will be reported to the Board at completion of the annual financial audit. This advance Board approval process allows staff to make the appropriate journal entries, within the annual audit time constraints, when the final numbers are determined. The final transfer amounts vary depending on actual activity for the last three months of the fiscal year. The attached table presents the estimated amounts the Board approved in September 2023 and the final amounts transferred to close fiscal year 2023.

BACKGROUND

The Master Water Supply Contract provides that any unencumbered funds remaining at year-end be budgeted for the succeeding fiscal year and be used for the same purposes for which rates are charged to the members and allows creation of a Rate Stabilization Account and a Capital Improvement Fund. Bond covenants require that all Gross Revenues, other than Capital Improvement and Renewal and Replacement charges, which remain on deposit in the Revenue Account, after funding the Operation, Maintenance and Administration Fund and the Sinking Funds, be transferred to the Utility Reserve Fund. The covenants further permit transfer of funds from the Utility Reserve Fund to a Rate Stabilization Account in such amounts as the Agency deems appropriate.

Under the Board's Utility Reserve Fund policy and Rate Stabilization Account policy, unencumbered funds flow first to the Utility Reserve Fund, which has priority on the funds to meet bond covenant requirements. After meeting bond covenant requirements, any remaining funds are transferred to the Rate Stabilization Account for use in a subsequent year. The policy requires that transfers of encumbered amounts over 3% of budgeted revenues and unencumbered amounts be brought to the Board for approval.

Attachment (1)

Transfer Table - Estimates vs Actuals

Fiscal Year 2023 Transfers to Fiscal Year 2024

Encumbered Funds at Year-end

Fund Destination	Transfer Description	Estimated Amounts	Actual Amounts
FY23-Rate Stabilization/FY24-Operating Fund	Open/Available Purchase Orders at year-end	$ 14,870,224 [1]	$ 14,705,256

Unencumbered Funds at Year-end

Fund Destination	Transfer Description	Estimated Amounts	Actual Amounts
FY23-Rate Stabilization/FY24-Operating Fund	Approved FY24 budgeted unencumbered funds from FY23	$ 5,575,433	$ 5,575,433
FY23-Rate Stabilization/FY24-Operating Fund	Materials & Operating Supplies - Xylem/YSI water quality sensors	$ 39,750	$ 39,750
FY23-Rate Stabilization/FY24-Operating Fund	Materials & Operating Supplies - Operations	$ 75,000	$ 75,000
FY23-Rate Stabilization/FY24-Operating Fund	Training - Operations and Maintenance	$ 25,000	$ 25,000
FY23-Rate Stabilization/FY24-Operating Fund	Engineering Services - Reservoir embankment pipeline inspection	$ 60,000	$ 60,000
FY23-Rate Stabilization/FY24-Operating Fund	Engineering Services - Reservoir & Surface Water algae removal study	$ 500,000	$ 500,000
FY23-Rate Stabilization/FY24-Operating Fund	Engineering Services - Water quality assessment/water treatment tasks	$ 125,000	$ 125,000
FY23-Rate Stabilization/FY24-Operating Fund	Engineering Services - Regional water quality study	$ 500,000	$ 500,000
FY23-Rate Stabilization/FY24-Operating Fund	Engineering Services - Water quality Operations support	$ 125,000	$ 125,000
FY23-Rate Stabilization/FY24-Operating Fund	Hyrdrological Services - Code development project	$ 90,000	$ 90,000
FY23-Rate Stabilization/FY24-Operating Fund	Other Professional Services - As-needed services	$ 84,000	$ 84,000
FY23-Rate Stabilization/FY24-Operating Fund	Other Services - Generator maintenance & repair	$ 85,000	$ 85,000
FY23-Rate Stabilization/FY24-Operating Fund	Repair & Maintenance - Installation of materials and supplies	$ 75,000	$ 75,000
FY23-Rate Stabilization/FY24-Operating Fund	Repair & Maintenance - HVAC repairs	$ 21,000	$ 21,000
FY23-Rate Stabilization/FY24-Operating Fund	Repair & Maintenance - As-needed paving repairs	$ 200,000	$ 200,000
FY23-Rate Stabilization/FY24-Operating Fund	Repair & Maintenance - Clearwater elevator door internals replacement	$ 45,000	$ 45,000
FY23-Rate Stabilization/FY24-Operating Fund	Repair & Maintenance - Paint NCHI aerial crossing over TBC	$ 100,000	$ 100,000
FY23-Rate Stabilization/FY24-Operating Fund	Repair & Maintenance - Brandon Booster facility-remove trees & move fence	$ 75,000	$ 75,000
FY23-Rate Stabilization/FY24-Operating Fund	Facility Capital Imp. - Moveable Board room desks - Officers	$ 100,000	$ 100,000
FY23-Rate Stabilization/FY24-Operating Fund	Facility Capital Imp. - Lab/Admin Bldg connection to main CCPS generator	$ 150,000	$ 150,000
FY23-Rate Stabilization/FY24-Operating Fund	Machine & Equipment - New Badger Meter/S:CAN water quality instruments	$ 88,050	$ 88,050
FY23-Rate Stabilization/FY24-Operating Fund	Machine & Equipment - Ion Chromatography Tandem Mass Spectrometry	$ 305,500	$ 305,500
FY23-Rate Stabilization/FY24-Operating Fund	Machine & Equipment - Analyzer & digestion equipment for nutrients	$ 50,000	$ 50,000
FY23-Rate Stabilization/FY24-Operating Fund	Machine & Equipment - Metal storage building	$ 150,000	$ 150,000
Capital Improvement Fund	Retain 2023 interest earnings within fund and increase fund up to $5,000,000	Interest Earned Plus, up to $5,000,000 [2]	Interest - $575,613 Plus - $675,000 *
Renewal & Replacement Fund	Retain 2023 interest earnings within fund	Interest Earned [2]	Interest - $711,354
Utility Reserve Fund	Retain 2023 interest earnings within fund and increase fund up to $100,000	Interest Earned Plus, up to $100,000 [2]	Interest - $603,465 Plus - $23,295 *
Rate Stabilization	Any remaining amount available after preceding transfers	Any amount remaining available at year-end [3]	$ -
	Total unencumbered funds at year-end to be transferred	$ 13,743,733	$ 9,342,028

1 - Estimated amount, final amount to be determined when closing fiscal year 2023 and will be reported to the Board.

2 - Interest earned and fund increase amount to be calculated upon completion of annual financial audit and will be reported to the Board.

3 - Remaining amount available calculated upon completion of annual financial audit and final amounts calculated for preceding transfers and will be reported to the Board.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.18

DATE: February 5, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: General Manager's Quarterly Travel Report - *Receive Report*

SUMMARY

Attached is the General Manager's quarterly travel report for the first quarter of fiscal year 2024.

SUGGESTED ACTION

Approve Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

The attached quarterly travel report reflects the travel expenditures incurred by the General Manager for the period of October 1, 2023, through December 31, 2023.

Attachments (1)

General Manager Quarter 1 2024

TAMPA BAY WATER

Charles Carden - General Manager
2023/2024
Through December 2023

	FIRST QUARTER	YEAR TO DATE
Gasoline	0.00	0.00
Air Travel	440.79	440.79
Lodging	804.45	804.45
Parking-Gd Trans	190.79	190.79
Meals	0.00	0.00
Miscellaneous	0.00	0.00
Year To Date Total	**1,436.03**	**1,436.03**

1st Quarter travel - Assoc. of Metropolitan Water Agencies conference and Water Utility Climate Alliance meeting - San Diego, CA

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.19

DATE: February 1, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Contract Option Year Renewal(s) - *Approve*

SUMMARY

Renew agency contract in accordance with renewal option years listed in the terms and conditions of the original contract.

SUGGESTED ACTION

Approve contract renewal.

COST/FUNDING SOURCE

Uniform Rate

DISCUSSION

Tampa Bay Water has a number of contracts each year that are available to renew for additional option years. Purchasing and agency staff have reviewed the contract summarized in the attached document and have determined that it continues to be of value and is necessary to the operation of Tampa Bay Water. The vendor/consultant has agreed, in writing, that they are agreeable to renew the available option year(s) as prescribed in the original contract's terms and conditions.

The original terms and conditions of the contract remain unchanged. All original contracts were approved by the Board and therefore renewals must be provided to the Board for review and approval of each renewal option year.

The contract renewal has been reviewed and approved by Tampa Bay Water General Counsel's Office.

Attachment (1)

February 24 Contract Amendment Consent

CONTRACT AMENDMENTS EXECUTED FOR CONSENT APPROVAL - FEBRUARY 2024

CONTRACT NAME/DESCRIPTION OF SERVICES	CONTRACT NUMBER	CONTRACTOR	ANNUAL AMOUNT	APPROVAL DATE	RENEWAL/ AMENDMENT #	ORIGINAL EXPIRATION	EXTENDED THROUGH	FUNDING SOURCE
As-Needed Analytical Laboratory Services	2022-036	Advanced Environmental Laboratories, Inc.	$ 50,000.00	3/21/2022	2 of 3	3/31/2024	3/31/2025	Uniform Rate

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM B.1

DATE: February 5, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Michelle Stom, Chief of Staff/Chief Strategy Officer

SUBJECT: Legislative and Grant Funding Program Update - *Receive Report*

SUMMARY

The Board approves legislative goals and priorities each year to guide the work of the agency's Grant Funding and Legislative Team. The team is currently operating under the 2024 Legislative Program Goals and Priorities approved by the Board at its October 2023 meeting. This item provides an update on the state legislative session that began on January 9, 2024. The agency's legislative consultant and legislative counsel will present on the agency's funding request and bills of interest.

SUGGESTED ACTION

Receive Status Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

Federal and state legislation can significantly impact the cost of producing water and meeting regulatory requirements. Providing input on potential legislation and regulations that could pose additional costs has become increasingly important as Tampa Bay Water continues to focus on operating its system efficiently and cost-effectively. The agency's Grant Funding and Legislative Team is actively monitoring proposed legislation for the 2024 session. At the federal level, the agency's consultant and

staff continue to monitor and track federal legislation and regulations that could provide funding or impact to Tampa Bay Water. The legislative tracking reports (attached) ensure that bills filed that could impact Tampa Bay Water have been identified and analyzed.

BACKGROUND

The Tampa Bay Water Board created a unique water system that includes three diverse water sources. Tampa Bay Water's story is a model for other regional water systems. The agency continues to reach out to stakeholders such as the Florida Legislature and the Federal Congressional Delegation to provide knowledge and assistance on water policy. Staff also provides input and assistance to state and regional officials and regulatory agencies by providing expertise on water supply policies, water management history and needs, and technical topics.

Attachments (3)

Tampa Bay Water Narrative Legislation Tracker - Feb. 2024
Jones Walker Legislative Tracking Report 2.14.24
Corcoran Partners Bill Tracking Report 2.15.24

2024 FLORIDA STATE SESSION BILL TRACKER

*Indicates changes since the last report

Operations/Administration

SB 674/ HB 779 – United States-Produced Iron and Steel in Public Works Projects

Sponsors: Senate- Boyd; House- Griffiths

Summary: These bills require governmental entities to include a requirement in certain contracts that certain iron or steel products be produced in the United States; authorize the use of foreign steel and iron materials in certain circumstances; require the Department of Management Services and the Department of Transportation to adopt rules for specified purposes.

Impact to Tampa Bay Water: This bill would affect Tampa Bay Water's procurement of iron and steel requiring it must be produced in the United States, unless the one of the three parameters listed in the Bill to waive the requirement are applicable.

Senate Status: SB 674 has passed the Senate and is pending in Messages in the House.

House Status: HB 779 has been amended and passed its committees of reference and is pending on the House Calendar.

HB 0713/ SB 1058 – Special Districts

Sponsors: House- Persons-Mulika; Senate- Hutson

Summary: These bills are similar measures that revise the criteria for creation, reauthorization, dissolution and performance reviews for special districts.

Impact to Tampa Bay Water: The implementation of this bill will have a marginal impact to Tampa Bay Water, because we have previously taken the initiative to implement the applicable requirements prior to this bill. Tampa Bay Water will need to make sure to comply within the specified time periods required for reporting of the Financial Aduit and for reporting of the adoption of goals and objectives.

House Status: CS/CS/HB 7013 has passed the House and is pending in Messages in the Senate.

Senate Status: CS/SB 1058 has been amended and approved by its committees of reference and is pending on the Senate Calendar.

HB 433 – Heat Illness Prevention

Sponsors: House- Esposito; Senate- Trumbull

Summary: This bill will preempt the local regulation of heat exposure requirements in the workplace and direct the Department of Commerce to adopt rules relating to workplace heat exposure requirements by employers, contractors, and subcontractors.

Impact to Tampa Bay Water: If passed the Agency would need to comply with updated heat illness prevention methods as specified in the bill.

House Status: CS/HB 433 received 3 committee referrals and has been amended and approved by the first 2 committees of reference.

Senate Status: CS/SB 1492 received 3 committee referrals and has been amended and approved by the first 2 committees of reference.

HB 569/ SB 472 – Sovereign Immunity

Sponsors: House- McFarland; Senate- Brodeur

Summary: These bills are companion measures that will raise the level of the waiver of sovereign immunity for governmental entities from $200,000 to $400,000 and will further provide that insurance policies maintained by a governmental entity may not be conditioned by the enactment of a claims bill.

Impact to Tampa Bay Water: If passed, this bill could open the agency to further liabilities.

House Status: CS/CS/CS/HB 569 has been amended and approved by its committees of reference and is pending on the House Calendar.

Senate Status: CS/SB 472 has received 3 committee referrals and has been amended and approved by the first committee of reference.

HB 0945/SB 0762 – Heat Illness Prevention

Sponsors: House- Gottlieb; Senate- Rouson

Summary: These bills require certain employers to implement an outdoor heat exposure safety program that has been approved by specified agencies; specifying requirements for the safety program; providing responsibilities for certain employers and employees; providing an exception; requiring specified annual training on heat illness and providing requirements for such training.

Impact to Tampa Bay Water: If passed, the agency would need to comply with the new rules and training. These bills would be preempted by HB 433 (heat illness prevention) should it pass.

Senate Status: Introduced.

House Status: 1st Reading on Tuesday, January 9, 2024 11:31 PM

HB 1079/ SB 298 – Saltwater Intrusion

Sponsors: House- McFarland; Senate- Polsky

Summary: These bills are companion measures dealing with coastal counties and municipalities and among the provisions in the legislation is a vulnerability assessment of a

coastal community's primary water utilities and projections of potential saltwater intrusion that may impact freshwater wellfields.

Impact to Tampa Bay Water: This bill would require resilient Florida Grant Program grants to fund saltwater intrusion vulnerability assessments and would have more of an impact on our member governments. This could potentially cause Tampa Bay Water to have to do an assessment of the vulnerability of saltwater intrusion to wellfields at risk.

House Status: HB 1079 received 3 committee referrals and has passed the first committee of reference.

Senate Status: CS/SB 298 has passed its committees of reference and is pending on the Senate Calendar.

HB 0157/ SB 0894 – Governing Body Meetings

Sponsors: Senate- Bradley; House- Caruso

Summary: These bills authorize governing bodies of municipalities to convene meetings & conduct official business via teleconferencing or other technological means if certain conditions are met; provides limitations on such meetings; provides limitations placed on such meetings may be suspended upon state of emergency.

Impact to Tampa Bay Water: This would allow for Tampa Bay Water Board members to appear virtually for board meetings if certain criteria is met.

Senate Status: SB 0894 has received 3 committee referrals and has been amended and approved by the first 2 committees of reference.

House Status: First reading 1/9/24

Possible Funding Sources

Appropriations Request: The appropriations requests for the surface water treatment facilities project have been timely filed by Senator Collins and Representative McClure. The requests are now pending in conference negotiation between the House and the Senate.

Miscellaneous

HB 275/ SB 340 – Damage to Critical Infrastructure

Sponsors: House- Canady; Senate-Yarborough

Summary: These bills are a companion measure that provides criminal penalties and civil compensation for the intentional damage to critical infrastructure that includes water intake structures, treatment facilities, pump stations, and lift stations.

Impact to Tampa Bay Water: This bill is included for awareness.

House Status: CS/CS/HB 275 has been amended and approved by its committees of reference and is pending on the House Calendar.

Senate Status: CS/CS/SB 340 has been amended and passed its committees of reference and is pending on the Senate Calendar.

HB 0777 - Municipal Water or Sewer Utility Rates, Fees, and Charges

Sponsors: House- Brackett, Senate- Martin

Summary: Municipal Water or Sewer Utility Rates, Fees, and Charges; Removes provision authorizing municipalities serving consumers outside their boundaries to add specific surcharges to rates, fees, & charges; removes provision which do not require public hearing for adding specific surcharges; requires municipalities to conduct rate studies by specified dates.

Impact to Tampa Bay Water: This bill does not directly impact Tampa Bay Water but could impact member governments. It is included for situational awareness.

House Status: Temporarily Postponed (final action).

Senate: Referred to Regulated Industries; Community Affairs; Rules. Introduced.

HB 1163/ SB 1136- Water Well Contractors

Sponsors: House- McClain; Senate- Trumbull

Summary: These bills revise the qualification requirements a person must meet in order to take the water well contractor license examination; authorizing certain authorities who have been delegated enforcement powers by water management districts to apply disciplinary guidelines adopted by the districts; prohibiting a person or business entity from advertising water well drilling or construction services in specified circumstances.

Impact to Tampa Bay Water: These bills are included for awareness and could have an impact on Tampa Bay Water should they be modified.

House Status: CS/CS/HB 1163 has been amended and passed its committees of reference and is pending passage on the House Special Order Calendar.

Senate: CS/CS/SB 1136 has been amended and approved by its committees of reference and is pending on the Senate Calendar.

HB 151/ SB 242 – Employee Retirement Benefits

Sponsors: House- Busatta-Cabrera; Senate- Hooper

Summary: These bills will provide an annual cost of living adjustment for retirees in the Florida Retirement System. Revises how COLA of retirement benefits for certain retirees and beneficiaries is calculated.

Impact to Tampa Bay Water: These bills are included for awareness.

House Status: CS/HB 151 passed the House and is now part of the budget conference committee negotiations.

Senate Status: Introduced.

HB 735/SB 734 – Government Accountability

Sponsors: House- Andrade; Senate- Ingolia

Summary: These bills are companion measures that prohibit government officers and employes from soliciting or accepting gifts from foreign countries of concern; it will require the registration of person who lobbies a county, municipality, or special district; and it will place hiring restrictions on a county attorney and the chief executive of a municipality immediately prior to a general election. CS/CS/SB 734 received 3 committee referrals and has been amended and passed by the first 2 committees of reference. CS/HB 735 has been amended and passed its committees of reference and is pending on the House Calendar.

Impact to Tampa Bay Water: If passed, the agency would need to comply with the new rules that are applicable.

Senate Status: CS/CS/SB 734 received 3 committee referrals and has been amended and passed by the first 2 committees of reference.

House Status: CS/HB 735 has been amended and passed its committees of reference and is pending on the House Calendar.

HB 781/ SB 0870 – Public-Private Partnerships- Unsolicited Proposals

Sponsors: Senate- Boyd; House- Clemons

Summary: These are companion bills that will authorize a governmental entity to publish notice of an unsolicited public-private partnership proposal and proceed with the proposal without engaging in a public bidding process based upon the statutory factors defined in the legislation.

Impact to Tampa Bay Water: These bills are included for awareness.

Senate Status: CS/SB 870 received 3 committee references and has been amended and passed by the first 2 committees of reference.

House Status: CS/HB 781 received 3 committee referrals and has been amended and passed by the first 2 committees of reference.

HB 901/SB 1120 – Display of Flags by Government Entities

Sponsors: House- Borrero; Senate- Martin

Summary: These bills are similar measures that will prohibit a governmental entity from displaying a flag that represents a political viewpoint, including, but not limited to, a political partisan, racial, sexual orientation and gender, or political ideology viewpoint.

Impact to Tampa Bay Water: If passed, the agency would need to comply with the new rules that are applicable.

Senate Status: SB 1120 received 3 committees of reference.

House Status: HB 901 received 2 committee referrals and has passed the first committee of reference.

SB 1386/ HB 1557 – Department of Environmental Protection

Sponsors: Senate- Calatayud; House- Chaney

Summary: These bills require the Department of Environmental Protection to revise, create, & repeal various provisions under jurisdiction of DEP relating to aquatic preserves; preservation & regeneration of seagrass; Southeast Florida Coral Reef Ecosystem Conservation Area; use of reclaimed water; Resilient Florida Grant Program; comprehensive statewide flood vulnerability & sea level rise data set & assessment; Statewide Flooding & Sea Level Rise Resilience Plan; regional planning councils & estuary partnerships; transfer of regulation of Onsite Sewage Program from DOH to DEP; domestic wastewater treatment facilities; & basin management action plans. Effective Date: July 1, 2024

Impact to Tampa Bay Water: These bills are included for awareness.

Senate Status: SB 674 has passed the first two committees it was referred to and is currently pending reference review under Rule 4.7(2) - (Committee Substitute).

House Status: HB 779 has been placed on special order calendar for 2/15/24.

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Memorandum

TO: Chuck Carden, Michelle Stom, Brant Bartlett and Barrie Buenaventura
Tampa Bay Water

FROM: Pete Dunbar, Martha Edenfield, French Brown and Marc Dunbar

DATE: February 14, 2024

RE: 2024 Legislative Session Updated Tracking Report

The items of interest we are monitoring follow below, and the deadline for filing member-sponsored bills has passed. Senate bills included in this report are numbered through **SB 1822**; Senate committee bills numbered through **SB 7066**; House bills numbered through **HB 1679**; and House committee bills numbered through **SB 7069**. The summary and tracking items include activities through the **close of business on February 14, 2024**. The water-related initiatives appear first and are followed by other legislative initiatives of interest.

Future reports will update the progress of the identified bills and include new filings as they appear. Changes from the prior report will appear in **bold type**. The full text of each bill, as well as applicable legislative staff reports, are available on the legislative web sites (www.flsenate.gov; www.myfloridahouse.com; and www.leg.state.fl.us.).

cc: Matthew Blair
Don Conn

TAMPA BAY WATER
LEGISLATIVE STATUS REPORT

Pete Dunbar, Martha Edenfield, French Brown and Marc Dunbar
Legislative Counsel

The bill tracking report is attached, and the water-related legislation appears first in the summary. Other bills of interest in the system are shown by chronological bill number, and the full text of each bill can be found on the legislative web sites. (www.flsenate.gov; www.myfloridahouse.com; and www.leg.state.fl.us.)

Water Related Legislation

Saltwater Intrusion: CS/SB 298 by Senator Polsky and HB 1079 by Representative McFarland are companion measures dealing with coastal counties and municipalities and among the provisions in the legislation is a vulnerability assessment of a coastal community's primary water utilities and projections of potential saltwater intrusion that may impact freshwater wellfields. CS/SB 298 has passed its committees of reference and is pending on the Senate Calendar. HB 1079 received 3 committee referrals and has passed the first committee of reference.

Water Extraction Excise Tax: SB 510 by Senator Stewart will impose an excise tax on the commercial or industrial extraction of waters of the state at a rate of 1/1000th of a dollar per gallon of water extracted from waters of the state. SB 510 received 3 committee but has not received a hearing. Passage of this legislation is now unlikely during this Session.

Management and Storage of Surface Waters: HB 863 by Representative Killebrew and SB 986 by Senator Burton are companion measures that will provide an exemption from surface water management and storage regulations for enhancement measures on agricultural lands and government-owned lands. HB 863 has now been withdrawn prior to formal introduction. SB 986 received 3 committee but has not received a hearing. This legislation is now dead for this Session.

Enhancement and Mitigation Credits: CS/HB 1073 by Representative Truenow and CS/CS/SB 1532 by Senator Brodeur are similar measures that will amend Chapter 373 relating to mitigation banks and associated credits. Among the provisions in the legislation, it requires a governmental entity to consider unsolicited proposals for private mitigation projects on public lands. CS/HB 1073 received 3 committee referrals and has been amended and approved by the first 2 committees of reference. **CS/CS/SB 1532 has been amended and passed its committees of reference and is pending on the Senate Calendar.**

Advanced Wastewater Treatment: HB 1153 by Representative Cross and SB 1304 by Senator Berman are similar proposals that will require the Department of Environmental Protection to inventory and evaluate sewage disposal facilities with a permitted capacity of greater than 1 million gallons per day. The evaluation will include a facility's impact on receiving water bodies,

total pollutant loading, and discharge volumes to any receiving water body. HB 1153 received 3 committee references. SB 1304 received 3 committee referrals but has not received a hearing. This legislation is now dead for this Session.

Department of Environmental Protection: SB 1386 by Senator Calatayud and CS/CS/HB 1557 by Representative Chaney are companion measures that revise the Department's jurisdiction relating to aquatic preserves; provides for the promotion of the use of reclaimed water; expands the authority of water management districts over the issuance of consumptive use permits; and transfers the regulation of the Onsite Sewage Program to the Department of Health. SB 1383 received 3 committee referrals and has passed the first 2 committees of reference. CS/CS/HB 1557 received 3 committee referrals and has been amended; approved by all committees of reference; and is pending on the House Calendar.

Drinking Water Standards: HB 1533 by Representative Plakon and SB 1546 by Senator Stewart are companion bills that will require the Department of Environmental Protection to adopt and implement rules for a statewide maximum contaminant level for 1, 4-dioxane and adopt rules to require system testing of the contaminant level. HB 1533 received 3 committee referrals. SB 1546 received 3 committee referrals and has been approved by the first committee of reference.

Wastewater Contaminants: HB 1665 by Representative Gossett-Seidman and CS/SB 1692 by Senator Brodeur are companion bills that will establish a pretreatment initiative within the Department of Environmental Protection for wastewater systems and establish levels of permissible discharge limits and quality standard from PFOS, PFOA and 1, 4-dioxane. The legislation will require department guidance for facilities and provide for enforcement of department standards. HB 1665 received 3 committee referrals. CS/SB 1692 received 3 committee referrals and has been amended and approved by the first 2 committees of reference.

Appropriations Requests: The appropriations requests for the surface water treatment facilities project have been timely filed by Senator Collins and Representative McClure. The requests are now pending in conference negotiation between the House and the Senate.

Other Legislation of Interest

Continuing Contracts: CS/CS/HB 149 by Representative Alvarez and CS/SB 656 by Senator DiCeglie are companion measures that raise the estimated cost of construction projects and related professional services for which a governmental entity may enter into a continuing contract. CS/CS/149 received 3 committee referrals and has been amended and approved by the first 2 committees. CS/SB received 3 committee referrals and has been amended and approved by the first committee of reference.

Employee Retirement Benefits: CS/HB 151 by Representative Busatta will provide an annual cost-of-living adjustment for retirees in the Florida retirement system. **CS/HB 151 passed the House and is now part of the budget conference committee negotiations.**

Damage to Critical Infrastructure: CS/CS/HB 275 by Representative Canady and CS/CS/SB 340 by Senator Yarborough are companion measures that provide criminal penalties and civil compensation for the intentional damage to critical infrastructure that includes water intake structures, treatment facilities, pump stations and lift stations. **CS/CS/HB 275 has been amended and approved by its committees of reference and is pending on the House Calendar. CS/CS/SB 340 has been amended and passed its committees of reference and is pending on the Senate Calendar.**

Competitive Bidding—Public Records Exemption: CS/SB 320 by Senator Wright and CS/HB 379 by Representative Truenow are companion measures that will provide a public records exemption for financial information provided by a bidder to verify the financial adequacy of the bidder. **CS/320 has been amended and passed by its committees of reference and is pending on the Senate Calendar. CS/HB 379 is pending final passage on the House Special Order Calendar.**

Heat Illness Prevention: CS/HB 433 by Representative Esposito and CS/SB 1492 by Senator Trumbull are similar measures that will preempt the local regulation of minimum wages and preference-based wages for employees and preempt the terms of workplace conditions and heat exposure requirements in the workplace. The legislation will also direct the Department of Commerce to adopt rules relating to workplace heat exposure requirements by employers, contractors, and subcontractors. **CS/HB 433 received 3 committee referrals and has been amended and approved by the first 2 committees of reference.** CS/SB 1492 received 3 committee referrals and has been amended and approved by the first 2 committees of reference.

Sovereign Immunity: CS/SB 472 by Senator Brodeur and CS/CS/CS/HB 569 by Representative McFarland are companion measures that will raise the level of the waiver of sovereign immunity for governmental entities from $200,000 to $400,00 and will further provide that insurance policies maintained by a governmental entity may not be conditioned by the enactment of a claims bill. CS/SB 472 has received 3 committee referrals and has been amended and approved by the first committee of reference. **CS/CS/CS/HB 569 has been amended and approved by its committees of reference and is pending on the House Calendar.**

Public Deposits: HB 611 by Representative Redondo and SB 1018 by Senator Ingoglia are companion measures that will authorize the deposit of public funds in accounts at a credit union. **HB 611 received 3 committee references and has been approved by the first 2 committees.** SB 1018 received 3 committee references.

Sovereign Immunity: CS/CS/HB 619 by Representative Tuck and CS/SB 1534 are companion bills that will provide indemnity to the Department of Transportation from professional firms providing inspection services of work required for roadways, bridges and other transportation facilities projects. **CS/CS/HB 619 has been amended and passed its committees of reference and is pending on the House Calendar. CS/SB 1534 has been amended and passed its committees of reference and is pending on the Senate Calendar.**

Public Works Projects—US Iron and Steel: SB 674 by Senator Boyd and HB 779 by Representative Griffiths are companion bills that will provide that all government contracts will include a provision that requires that the use of iron or steel will be products produced in the United States. **SB 674 has passed the Senate and is pending in Messages in the House. HB 779 has been amended and passed its committees of reference and is pending on the House Calendar.**

Government Accountability: CS/CS/SB 734 by Senator Ingoglia and CS/HB 735 by Representative Andrade are companion measures that prohibit government officers and employes from soliciting or accepting gifts from foreign countries of concern; it will require the registration of person who lobbies a county, municipality, or special district; and it will place hiring restrictions on a county attorney and the chief executive of a municipality immediately prior to a general election. CS/CS/SB 734 received 3 committee referrals and has been amended and passed by the first 2 committees of reference. **CS/HB 735 has been amended and passed its committees of reference and is pending on the House Calendar.**

Public-Private Partnerships—Unsolicited Proposals: CS/HB 781 by Representative Clemons and CS/SB 870 by Senator Boyd are companion bills that will authorize a governmental entity to publish notice of an unsolicited public-private partnership proposal and proceed with the proposal without engaging in a public bidding process based upon the statutory factors defined in the legislation. CS/HB 781 received 3 committee referrals and has been amended and passed by the first 2 committees of reference. CS/SB 870 received 3 committee references and has been amended and passed by the first 2 committees of reference.

Display of Flags by Governmental Entities: HB 901 by Representative Borrero and SB 1120 by Senator Martin are similar measures that will prohibit a governmental entity from displaying a flag that represents a political viewpoint, including, but not limited to, a political partisan, racial, sexual orientation and gender, or political ideology viewpoint. HB 901 received 2 committee referrals and has passed the first committee of reference. SB 1120 received 3 committees of reference.

Water Well Contractors: CS/CS/SB 1136 by Senator Trumbull and CS/CS/HB 1163 by Representative McClain are similar bills that will revise the eligibility requirements for well water contractors and provides for disciplinary guidelines and prohibits advertising well water drilling or construction services under specified conditions. CS/CS/SB 1136 has been amended and approved by its committees of reference and is pending on the Senate Calendar. **CS/CS/HB 1163 has been amended and passed its committees of reference and is pending passage on the House Special Order Calendar.**

Special Districts: CS/SB 1058 by Senator Hutson and CS/CS/HB 7013 by the House Committee on Local Administration, Federal Affairs & Special Districts are similar measures that revise the criteria for creation, reauthorization, dissolution and performance reviews for special districts. **CS/SB 1058 has been amended and approved by its committees of reference and is pending on the Senate Calendar.** CS/CS/HB 7013 has passed the House and is pending in Messages in the Senate.

DEP Stormwater Rules: SB 7040 by the Senate Environmental and Natural Resources Committee will ratify the DEP stormwater Rule 62-330.010 that governs the policies for the reduction of pollutant loads in stormwater treatment systems. SB 7040 received 2 committee referrals and has been passed by the first committee of reference.

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Tampa Bay Water Bill Tracking Report
Ordered by Bill Number

HB 0019 — **County Commissioner Term Limits** by Salzman

County Commissioner Term Limits: Proposes amendment to State Constitution to limit terms of office for county commissioners by prohibiting incumbent members who have held office for preceding 8 years from appearing on ballot for reelection; such term limits only apply to terms of office beginning on or after November 5, 2024.

Actions

08/24/2023	HOUSE Filed
09/19/2023	HOUSE Withdrawn prior to introduction

Compare

HB 0057	County Commissioner Term Limits (Salzman)
SB 0438	Term Limits (Ingoglia)

SB 0036 — **Comprehensive Waste Reduction and Recycling Plan** by Stewart

Comprehensive Waste Reduction and Recycling Plan; Requiring the Department of Environmental Protection to develop a comprehensive waste reduction and recycling plan for this state by a specified date, based on certain department recommendations; specifying minimum requirements for the comprehensive plan; requiring the department to submit a report to the Legislature upon completion of the comprehensive plan, etc. Effective Date: 7/1/2024

Actions

11/27/2023	SENATE On Committee agenda - Environment and Natural Resources, 12/06/23, 11:00 am, 301 S
12/06/2023	SENATE Favorable by Environment and Natural Resources; 7 Yeas, 0 Nays
12/06/2023	SENATE Now in Appropriations Committee on Agriculture, Environment, and General Government

Identical

HB 0455	Comprehensive Waste Reduction and Recycling Plan (Casello)

HB 0047 — **Municipal Water and Sewer Utility Rates** by Robinson (F)

Municipal Water and Sewer Utility Rates: Requires municipality to charge consumers receiving its utility services in another municipality same rates, fees, & charges as it charges consumers within its own municipal boundaries under certain circumstances. Effective Date: July 1, 2024

Actions

01/31/2024	HOUSE Favorable by Local Administration, Federal Affairs & Special Districts Subcommittee; 16 Yeas, 0 Nays
01/31/2024	HOUSE Now in Commerce Committee
02/13/2024	HOUSE On Committee agenda - Commerce Committee, 02/15/24, 9:00 am, 212 K

Compare

SB 1088	Municipal Water or Sewer Utility Rates, Fees, and Charges (Martin)

HB 1277	Municipal Utilities (Busatta Cabrera)
SB 1510	Municipal Utilities (Brodeur)

Similar

SB 0104	Municipal Water and Sewer Utility Rates (Jones)

HB 0057 **County Commissioner Term Limits** by Salzman

County Commissioner Term Limits: Establishes term limits for county commissioners; prohibits specified persons from seeking certain offices until after specified timeframe; requires certain counties to hold referendum election on specified date; provides for referendum election; provides form for ballot title & referendum question. Effective Date: July 1, 2024

Actions

02/12/2024	HOUSE On Committee agenda - State Affairs Committee, 02/14/24, 9:00 am, 212 K
02/14/2024	HOUSE Favorable with CS by State Affairs Committee; 13 Yeas, 7 Nays
02/15/2024	HOUSE Committee Substitute Text (C2) Filed

Compare

HB 0019	County Commissioner Term Limits (Salzman)

Identical

SB 0438	Term Limits (Ingoglia)

HB 0075 **Impeding, Threatening, or Harassing First Responders** by Rizo

Impeding, Threatening, or Harassing First Responders: Specifies that peaceful recording, photographing, or observation is not harassment; prohibits approaching first responder or remaining within specified distance of such person with intent to impede, threaten, or harass person from performing lawful duties after receiving warning not to approach. Effective Date: October 1, 2024

Actions

01/19/2024	HOUSE On Committee agenda - Judiciary Committee, 01/23/24, 10:00 am, 404 H
01/23/2024	HOUSE Favorable by Judiciary Committee; 17 Yeas, 4 Nays
01/23/2024	HOUSE Placed on Calendar, on 2nd reading

Similar

SB 0184	Impeding, Threatening, or Harassing First Responders (Avila)

SB 0104 **Municipal Water and Sewer Utility Rates** by Jones

Municipal Water and Sewer Utility Rates; Requiring a municipality to charge customers receiving its utility services in another municipality the same rates, fees, and charges as it charges consumers within its municipal boundaries under certain circumstances, etc. Effective Date: 7/1/2024

Actions

02/06/2024	SENATE Favorable with CS by Community Affairs; 8 Yeas, 0 Nays
02/08/2024	SENATE Committee Substitute Text (C1) Filed
02/08/2024	SENATE Now in Rules

Compare

HB 0777	Municipal Water or Sewer Utility Rates, Fees, and Charges (Brackett)
SB 1088	Municipal Water or Sewer Utility Rates, Fees, and Charges (Martin)
HB 1277	Municipal Utilities (Busatta Cabrera)
SB 1510	Municipal Utilities (Brodeur)

Similar

HB 0047	Municipal Water and Sewer Utility Rates (Robinson (F))

SB 0144 **State Renewable Energy Goals** by Berman

State Renewable Energy Goals; Revising the definitions of the terms “biomass” and “renewable energy”; prohibiting the drilling or exploration for, or production of, oil, gas, or other petroleum products in certain locations; providing legislative intent that all electricity used in this state be generated by renewable energy by a specified date; creating the Renewable Energy Workforce Development Advisory Committee in the Office of Energy, etc. Effective Date: 7/1/2024

Actions

10/09/2023	SENATE Filed
10/17/2023	SENATE Referred to Environment and Natural Resources; Appropriations Committee on Agriculture, Environment, and General Government; Fiscal Policy

Similar

HB 0193	State Renewable Energy Goals (Eskamani)

HB 0149 **Continuing Contracts** by Alvarez

Continuing Contracts: Revises maximum estimated construction cost of construction projects for which governmental entity may enter into continuing contract; requires DMS to annually adjust maximum amount allowed under specified contracts using specified index & publish adjusted amount on DMS's website. Effective Date: July 1, 2024

Actions

02/12/2024	HOUSE On Committee agenda - State Affairs Committee, 02/14/24, 9:00 am, 212 K
02/14/2024	HOUSE Favorable with CS by State Affairs Committee; 20 Yeas, 0 Nays
02/15/2024	HOUSE Committee Substitute Text (C3) Filed

Identical

SB 0656	Continuing Contracts (DiCeglie)

HB 0151 **Florida Retirement System** by Busatta Cabrera

Florida Retirement System: Revising provisions related to FRS, including elected officials in DROP, reemployment after retirement, Florida Retirement System Preservation of Benefits Plan membership, cost-of-living adjustments, employee contributions, and allocations to investment plan accounts. Effective Date: July 1, 2024

Actions

02/08/2024	SENATE In Messages
02/08/2024	SENATE Received; Referred to Appropriations; Withdrawn from Appropriations; Placed on Calendar, on 2nd reading; Substituted for SB 7024; Read Second Time; Amendment Adopted (693208); Read Third Time; Passed (Vote: 38 Yeas / 0 Nays); The Senate having refused to pass the bill as passed by the House, acceded to the request for a conference; Immediately certified
02/08/2024	HOUSE In returning messages

Compare

HB 0243	Title Fraud Prevention (Woodson)
SB 0400	Reemployment of Retirees in the Florida Retirement System (Burgess)
HB 0853	Reemployment of Retired Law Enforcement Officers (McClure)
SB 2500	Appropriations (Appropriations)
HB 5001	General Appropriations Act (Appropriations Committee)
SB 7024	Employer Contributions to Fund Retiree Benefits (Governmental Oversight and Accountability)

HB 0157 **Governing Body Meetings** by Caruso

Governing Body Meetings: Authorizes governing bodies of municipalities to convene meetings & conduct official business via teleconferencing or other technological means if certain conditions are met; provides limitations on such meetings; provides limitations placed on such meetings may be suspended upon state of emergency. Effective Date: July 1, 2024

Actions

10/12/2023	HOUSE Filed
11/02/2023	HOUSE Referred to Local Administration, Federal Affairs & Special Districts Subcommittee; Ethics, Elections & Open Government Subcommittee; State Affairs Committee
11/02/2023	HOUSE Now in Local Administration, Federal Affairs & Special Districts Subcommittee

Similar

SB 0894	Governing Body Meetings (Bradley)

SB 0184 **Impeding, Threatening, or Harassing First Responders** by Avila

Impeding, Threatening, or Harassing First Responders; Defining the terms “first responder” and “harass”; prohibiting a person, after receiving a warning not to approach from a first responder who is engaged in the lawful performance of a legal duty, from violating such warning and approaching or remaining within a specified distance of the first responder with specified intent, etc. Effective Date: 10/1/2024

Actions

02/14/2024	SENATE Read Second Time; Placed on Third Reading, 02/15/24
02/15/2024	SENATE Read Third Time; Passed (Vote: 39 Yeas / 0 Nays); Immediately certified
02/15/2024	HOUSE In Messages

Similar

HB 0075	Impeding, Threatening, or Harassing First Responders (Rizo)

HB 0193 **State Renewable Energy Goals** by Eskamani

State Renewable Energy Goals: Prohibits drilling or exploration for, or production of, oil, gas, or other petroleum products & permitting & construction of certain related structures; requires statewide renewable energy electricity & carbon emission reductions by specified dates; directs Office of Energy within DACS to develop unified statewide plan & submit plan to Governor & Legislature; creates Renewable Energy Advisory Committee; directs Commissioner of Agriculture to submit annual report to Legislature. Effective Date: July 1, 2024

Actions

10/17/2023	HOUSE Filed
11/02/2023	HOUSE Referred to Energy, Communications & Cybersecurity Subcommittee; Agriculture & Natural Resources Appropriations Subcommittee; Commerce Committee
11/02/2023	HOUSE Now in Energy, Communications & Cybersecurity Subcommittee

Similar

SB 0144	State Renewable Energy Goals (Berman)

SB 0198 **Construction Materials Mining Activities** by Avila

Construction Materials Mining Activities; Specifying a ground vibration limit for construction materials mining activities within 1 mile of certain areas; authorizing the State Fire Marshal to modify the standards, limits, and regulations for the use of explosives in connection with such construction materials mining activities, etc. Effective Date: 7/1/2024

Actions

10/13/2023	SENATE Filed
11/07/2023	SENATE Referred to Banking and Insurance; Community Affairs; Rules

Identical

HB 0245	Construction Materials Mining Activities (Fabricio)

SB 0242 **Cost-of-living Adjustment of Retirement Benefits** by Hooper

Cost-of-living Adjustment of Retirement Benefits; Revising how the cost-of-living adjustment of benefits for certain retirees and beneficiaries is calculated; providing a declaration of important state interest, etc. Effective Date: 7/1/2024

Actions

10/20/2023	SENATE Filed
11/07/2023	SENATE Referred to Governmental Oversight and Accountability; Community Affairs; Appropriations

HB 0245 **Construction Materials Mining Activities** by Fabricio

Construction Materials Mining Activities: Specifies ground vibration limit for construction materials mining activities within 1 mile of certain areas; authorizes State Fire Marshal to modify standards, limits, & regulations for use of explosives in connection with such construction materials mining activities. Effective Date: July 1, 2024

Actions

10/20/2023	HOUSE Filed
11/02/2023	HOUSE Referred to Regulatory Reform & Economic Development Subcommittee; Commerce Committee
11/02/2023	HOUSE Now in Regulatory Reform & Economic Development Subcommittee

Identical

SB 0198	Construction Materials Mining Activities (Avila)

HB 0275 **Offenses Involving Critical Infrastructure** by Canady

Offenses Involving Critical Infrastructure: Provides criminal penalties for improperly tampering with critical infrastructure resulting in specified monetary damage or cost to restore; provides for civil liability upon conviction for such violations; provides criminal penalties for trespass upon critical infrastructure; provides notice requirements; provides criminal penalties for unauthorized access to or tampering with specified electronic devices or networks of critical infrastructure. Effective Date: July 1, 2024

Actions

02/12/2024	HOUSE On Committee agenda - Judiciary Committee, 02/14/24, 9:00 am, 404 H
02/14/2024	HOUSE Favorable with CS by Judiciary Committee; 21 Yeas, 0 Nays
02/14/2024	HOUSE Committee Substitute Text (C3) Filed

Similar

SB 0340	Intentional Damage to Critical Infrastructure (Yarborough)

SB 0286 **Public Records and Meetings/Agency’s Competitive Solicitation** by Wright

Public Records and Meetings/Agency’s Competitive Solicitation; Expanding the public records exemption related to bids, proposals, or replies to an agency’s competitive solicitation by extending the duration of the exemption in specified circumstances; providing for future legislative review and repeal of the exemption; expanding the public meetings exemption related to negotiations with a vendor that submitted a bid, proposal, or reply to an agency’s competitive solicitation by extending the duration of the exemption in specified circumstances; providing for future legislative review and repeal of the exemption; providing statements of public necessity, etc. Effective Date: 7/1/2024

Actions

10/31/2023	SENATE Filed
11/15/2023	SENATE Referred to Governmental Oversight and Accountability; Community Affairs; Rules

Compare

HB 0375	Pub. Rec./Competitive Solicitation Sealed Bids, Proposals, and Replies (Alvarez)

SB 0290 **Public Records/Service Providers** by Wright

Public Records/Service Providers; Defining the term “service provider”; requiring that certain public agency contracts include a requirement that service providers comply with public records laws; requiring the service provider to provide or make available the public records; providing criminal and civil penalties for failure of a service provider to provide public records, etc. Effective Date: 7/1/2024

Actions

11/01/2023	SENATE Filed
11/15/2023	SENATE Referred to Governmental Oversight and Accountability; Judiciary; Rules

Linked

SB 0292	Public Records/Service Provider Contracts (Wright)

SB 0292 **Public Records/Service Provider Contracts** by Wright

Public Records/Service Provider Contracts; Providing an exemption from public records requirements for contractors’ and service providers’ records related to audit or claims resolution which are provided to a public agency pursuant to contract requirements; providing for future legislative review and repeal of the exemption; providing a statement of public necessity, etc. Effective Date: On the same date that SB 290 or similar legislation takes effect, if such legislation is adopted in the same legislative session or an extension thereof and becomes a law

Actions

11/01/2023	SENATE Filed
11/15/2023	SENATE Referred to Governmental Oversight and Accountability; Judiciary; Rules

Linked

SB 0290	Public Records/Service Providers (Wright)

SB 0320 **Public Records/Prospective Bidders for a Road or Other Public Works** by Wright

Public Records/Prospective Bidders/Department of Transportation; Providing an exemption from public records requirements for certain financial information provided by a prospective bidder to the Department of Transportation for prequalification purposes; providing for future legislative review and repeal of the exemption; providing a statement of public necessity, etc. Effective Date: 7/1/2024

Actions

02/09/2024	SENATE On Committee agenda - Rules, 02/14/24, 9:00 am, 412 K
02/14/2024	SENATE Favorable by Rules; 17 Yeas, 0 Nays
02/14/2024	SENATE Placed on Calendar, on 2nd reading

Compare

HB 0379	Pub. Rec./Financial Information Regarding Competitive Bidding (Truenow)

SB 0340 **Intentional Damage to Critical Infrastructure** by Yarborough

Offenses Involving Critical Infrastructure; Providing criminal penalties for improperly tampering with critical infrastructure resulting in specified monetary damage or cost to restore; providing criminal penalties for trespass upon critical infrastructure; providing notice requirements; providing criminal penalties for the unauthorized access to or tampering with specified electronic devices or networks of critical infrastructure, etc. Effective Date: 7/1/2024

Actions

01/31/2024	SENATE Now in Fiscal Policy
02/09/2024	Bill to be Discussed During the Office of EDR's Criminal Justice Impact Conference, 02/12 /24, 10:00 am, 117 K (No Votes Will Be Taken)
02/12/2024	SENATE On Committee agenda - Fiscal Policy, 02/15/24, 12:00 pm, 412 K

Similar

HB 0275	Offenses Involving Critical Infrastructure (Canady)

HB 0375 **Pub. Rec./Competitive Solicitation Sealed Bids, Proposals, and Replies** by Alvarez

Pub. Rec./Competitive Solicitation Sealed Bids, Proposals, and Replies: Revises exemption from public records requirements for sealed bids, proposals, or replies received by agency pursuant to competitive solicitation; provides for future legislative review & repeal of exemption; provides statement of public necessity. Effective Date: July 1, 2024

Actions

11/22/2023	HOUSE Referred to Constitutional Rights, Rule of Law & Government Operations Subcommittee; Ethics, Elections & Open Government Subcommittee; State Affairs Committee
11/22/2023	HOUSE Now in Constitutional Rights, Rule of Law & Government Operations Subcommittee
12/13/2023	HOUSE Withdrawn prior to introduction

Compare

SB 0286	Public Records and Meetings/Agency's Competitive Solicitation (Wright)

HB 0379 **Pub. Rec./Financial Information Regarding Competitive Bidding** by Truenow

Pub. Rec./Financial Information Regarding Competitive Bidding: Provides exemption from public records requirements for certain financial information prospective bidder submits to an agency in order to prequalify for bidding or for responding to solicitation for road or other public works projects; provides for future legislative review & repeal of exemption; provides statement of public necessity. Effective Date: July 1, 2024

Actions

02/08/2024	HOUSE Favorable by Infrastructure Strategies Committee; 23 Yeas, 0 Nays
02/08/2024	HOUSE Placed on Calendar, on 2nd reading
02/12/2024	HOUSE Placed on Special Order Calendar, 02/15/24

Compare

SB 0320	Public Records/Prospective Bidders for a Road or Other Public Works (Wright)

SB 0406 **Statewide Environmental Resource Permitting Rules** by Rodriguez

Statewide Environmental Resource Permitting Rules; Requiring that stormwater management systems be designed with side slopes that meet a certain minimum design requirement; superseding certain side slope rules and authorizing their repeal by a specified publication of notice and a specified filing, etc. Effective Date: 7/1/2024

Actions

01/05/2024	SENATE On Committee agenda - Environment and Natural Resources, 01/10/24, 10:30 am, 301 S
01/10/2024	SENATE Favorable by Environment and Natural Resources; 7 Yeas, 0 Nays
01/10/2024	SENATE Now in Fiscal Policy

Compare

SB 0738	Environmental Management (Burgess)
HB 0789	Environmental Management (Overdorf)

HB 0413 **Public Meetings and Workshops for Regional Advisory Committees** by Altman

Public Meetings and Workshops for Regional Advisory Committees: Authorizes certain regional advisory committees to conduct public meetings & workshops by means of communications media technology; provides that advisory committee member who participates in public meeting or workshop using such technology is deemed present; provides requirements for use of communications media technology; provides notice requirements for such meetings & workshops. Effective Date: upon becoming a law

Actions

02/12/2024	HOUSE On Committee agenda - State Affairs Committee, 02/14/24, 9:00 am, 212 K
02/14/2024	HOUSE Favorable by State Affairs Committee; 17 Yeas, 0 Nays
02/14/2024	HOUSE Placed on Calendar, on 2nd reading

Similar

SB 0224	Citizen Volunteer Advisory Committees (Wright)

HB 0433 **Employment Regulations** by Esposito

Employment Regulations: Prohibits political subdivisions from maintaining minimum wage other than state or federal minimum wage & from controlling, affecting, or awarding preferences based on wages or employment benefits of entities doing business with political subdivision; preempts regulation of terms & conditions of employment & regulation of heat exposure requirements in workplace to state; requires Department of Commerce to adopt rules relating to heat exposure requirements if OSHA has not done so by date certain; provides requirements for such rules; prohibits local governments from mandating or imposing certain requirements or seeking information from certain persons relating to certain requirements. Effective Date: July 1, 2024

Actions

02/12/2024	HOUSE On Committee agenda - State Affairs Committee, 02/14/24, 9:00 am, 212 K
02/14/2024	HOUSE Favorable by State Affairs Committee; 14 Yeas, 6 Nays
02/14/2024	HOUSE Now in Commerce Committee

Compare

SB 1492	Employment Regulations (Trumbull)

SB 0438 **Term Limits** by Ingoglia

Term Limits; Establishing term limits for county commissioners; prohibiting specified persons from seeking certain offices until after a specified timeframe; requiring certain counties to hold a referendum election on a specified date; providing for the referendum election; providing the form for the ballot title and referendum question, etc. Effective Date: 7/1/2024

Actions

02/08/2024	SENATE Now in Rules
02/09/2024	SENATE On Committee agenda - Rules, 02/14/24, 9:00 am, 412 K
02/14/2024	SENATE Temporarily Postponed by Rules

Compare

HB 0019	County Commissioner Term Limits (Salzman)

Identical

HB 0057	County Commissioner Term Limits (Salzman)

HB 0455 **Comprehensive Waste Reduction and Recycling Plan** by Casello

Comprehensive Waste Reduction and Recycling Plan: Requires DEP to develop comprehensive waste reduction & recycling plan by specified date, convene technical assistance group, & submit report to Legislature. Effective Date: July 1, 2024

Actions

02/08/2024	HOUSE Favorable by Infrastructure Strategies Committee; 23 Yeas, 0 Nays
02/08/2024	HOUSE Placed on Calendar, on 2nd reading
02/12/2024	HOUSE Placed on Special Order Calendar, 02/15/24

Identical

SB 0036	Comprehensive Waste Reduction and Recycling Plan (Stewart)

SB 0472 **Suits Against the Government** by Brodeur

Suits Against the Government; Abolishing the common-law doctrine of home venue privilege with respect to action against the state; increasing the statutory limits on liability for tort claims against the state and its agencies and subdivisions; prohibiting a party from lobbying against any agreed upon settlement brought to the Legislature as a claim bill; requiring the Department of Financial Services to adjust the limitations on tort liability every 5 years after a specified date, etc. Effective Date: 10/1/2024

Actions

01/29/2024	SENATE Favorable with CS by Governmental Oversight and Accountability; 5 Yeas, 1 Nay
01/31/2024	SENATE Committee Substitute Text (C1) Filed
01/31/2024	SENATE Now in Appropriations

Similar

HB 0569	Suits Against the Government (McFarland)

HB 0473 **Cybersecurity Incident Liability** by Giallombardo

Cybersecurity Incident Liability: Provides that county, municipality, other political subdivision of state, commercial entity, or third-party agent that complies with certain requirements is not liable in connection with cybersecurity incident. Effective Date: upon becoming a law

Actions

02/02/2024	HOUSE On Committee agenda - State Administration & Technology Appropriations Subcommittee, 02/06/24, 11:30 am, 212 K
02/06/2024	HOUSE Favorable by State Administration & Technology Appropriations Subcommittee; 9 Yeas, 4 Nays
02/06/2024	HOUSE Now in Judiciary Committee

Identical

SB 0658	Cybersecurity Incident Liability (DiCeglie)

SB 0496 **Low-voltage Alarm System Projects** by Perry

Low-voltage Alarm System Projects; Specifying that a nonelectric fence or wall must enclose the outside perimeter of a low-voltage electric fence; permitting low-voltage electric fences to be installed in areas within more than one zoning category; prohibiting a municipality, county, district, or other entity of local government from adopting or maintaining certain ordinances or rules that provide additional requirements for low-voltage alarm system projects, etc. Effective Date: 7/1/2024

Actions

02/09/2024	SENATE On Committee agenda - Rules, 02/14/24, 9:00 am, 412 K
02/14/2024	SENATE Favorable by Rules; 17 Yeas, 0 Nays
02/14/2024	SENATE Placed on Calendar, on 2nd reading

Identical

HB 0535	Low-voltage Alarm System Projects (Snyder)

SB 0510 **Excise Tax on Water Extracted for Commercial or Industrial Use** by Stewart

Excise Tax on Water Extracted for Commercial or Industrial Use; Imposing an excise tax upon persons extracting water from waters of the state for commercial or industrial use; requiring that tax proceeds be separately accounted for and used for specified purposes by the Department of Environmental Protection; specifying requirements for extractors in filing monthly returns with the Department of Revenue; authorizing the department to inspect or examine an extractor's books and records, issue subpoenas, require testimony under oath or affirmation of certain persons, and apply for certain judicial orders, etc. Effective Date: 7/1/2024

Actions

11/16/2023	SENATE Filed
12/05/2023	SENATE Referred to Environment and Natural Resources; Finance and Tax; Appropriations

HB 0527 **Land and Water Management** by Maggard

Land and Water Management: Requires certain buffer zones for land or water delineations established by county or municipality to be acquired by county or municipality through eminent domain; preempts regulation of specified dredge & fill activities to state; repeals land management review teams. Effective Date: July 1, 2024

Actions

11/17/2023	HOUSE Filed
11/30/2023	HOUSE Referred to Water Quality, Supply & Treatment Subcommittee; Local Administration, Federal Affairs & Special Districts Subcommittee; Infrastructure Strategies Committee
11/30/2023	HOUSE Now in Water Quality, Supply & Treatment Subcommittee

Similar

SB 0664	Land and Water Management (Burgess)

HB 0535 **Low-voltage Alarm System Projects** by Snyder

Low-voltage Alarm System Projects: Specifies nonelectric fence or wall must enclose outside perimeter of low-voltage electric fence; requires low-voltage electric fence to be specified number of feet above such nonelectric fence or wall; permitting low-voltage electric fences to be installed in areas within more than one zoning category; prohibits municipality, county, district, or other entity of local government from adopting or maintaining ordinances or rules that provide additional requirements for low-voltage alarm system projects. Effective Date: July 1, 2024

Actions

02/08/2024	HOUSE Favorable by Commerce Committee; 17 Yeas, 0 Nays
02/08/2024	HOUSE Placed on Calendar, on 2nd reading
02/12/2024	HOUSE Placed on Special Order Calendar, 02/15/24

Identical

SB 0496	Low-voltage Alarm System Projects (Perry)

SB 0560 **Special Risk Class** by Bradley

Special Risk Class; Revising criteria for designation as a member of the Special Risk Class of the Florida Retirement System, as of a specified date, etc. Effective Date: 7/1/2024

Actions

11/21/2023	SENATE Filed

12/05/2023	SENATE Referred to Governmental Oversight and Accountability; Community Affairs; Appropriations

Similar

HB 1089	Special Risk Class (Shoaf)

HB 0569 **Suits Against the Government** by McFarland

Suits Against the Government: Abolishes common-law doctrine of home venue privilege with respect to action against state; increases statutory limits on liability for tort claims against state & its agencies & subdivisions; authorizes subdivision of state to settle claim in excess of statutory limit without further action by Legislature regardless of insurance coverage limits; prohibits insurance policy from conditioning payment of benefits on enactment of claim bill; specifies limitations in effect on date claim accrues apply to that claim; revises period within which certain claims must be present to certain entities; revises exceptions relating to instituting actions on tort claims against state or one of its agencies or subdivisions; revises period after which failure of certain entities to make final disposition of claim shall be deemed final denial of claim; revises statute of limitations for tort claims against state or one of its agencies or subdivisions & exceptions thereto. Effective Date: October 1, 2024

Actions

02/02/2024	HOUSE Now in Judiciary Committee
02/12/2024	HOUSE On Committee agenda - Judiciary Committee, 02/14/24, 9:00 am, 404 H - PCS
02/14/2024	HOUSE Not Considered by Judiciary Committee

Similar

SB 0472	Suits Against the Government (Brodeur)

SB 0594 **Public Works Projects** by Grall

Public Works Projects; Revising the definition of the term “public works project”; deleting a prohibited activity of the state or a political subdivision that contracts for a public works project; authorizing political subdivisions that are the sole source of funding for a public works project to prevent certain contractors and subcontractors and material suppliers or carriers from participating in the bidding process for that project based on the geographic location of the company headquarters or offices or the residences of their employees, etc. Effective Date: 7/1/2024

Actions

12/05/2023	SENATE Referred to Governmental Oversight and Accountability; Fiscal Policy; Rules
12/06/2023	SENATE Withdrawn from Governmental Oversight and Accountability; Fiscal Policy; Rules
12/06/2023	SENATE Withdrawn prior to introduction

Compare

HB 0705	Public Works Projects (Shoaf)

Similar

SB 0742	Public Works Projects (Grall)

HB 0599 **Gender Identity Employment Practices** by Chamberlin

Gender Identity Employment Practices: Specifies employment policy of state relating to person's sex; prohibits employees & contractors of certain employers from being required to use, from providing, & from being asked to provide certain titles & pronouns; prohibits employees & contractors from being penalized or subjected to certain actions for not providing certain titles & pronouns; prohibits adverse personnel action on basis of deeply held religious or biology-based beliefs; provides administrative & civil remedies; provides that it is unlawful employment practice for nonprofit organization to require certain training, instruction, or activity. Effective Date: July 1, 2024

Actions

11/21/2023	HOUSE Filed

11/30/2023	HOUSE Referred to Constitutional Rights, Rule of Law & Government Operations Subcommittee; Regulatory Reform & Economic Development Subcommittee; State Affairs Committee
11/30/2023	HOUSE Now in Constitutional Rights, Rule of Law & Government Operations Subcommittee

Identical

SB 1382	Gender Identity Employment Practices (Martin)

HB 0611 **Public Deposits** by Botana

Public Deposits: Adds credit unions to list of financial institutions eligible to be qualified public depositories; provides applicability of qualified public depository provisions to credit unions; requires CFO to withdraw from collateral agreement with credit union; specifies requirement for & restriction on credit union that is party to withdrawn collateral agreement; provides limits on public deposits held by credit unions; specifies losses against which certain solvent banks, savings banks, savings associations, & credit unions must guarantee public depositors; requires CFO to segregate & separately account for proceeds, assessments, & administrative penalties attributable to credit union from those attributable to other specified financial institutions; revises condition for payment of losses to public depositors; provides that specified limit on securities eligible to be pledged as collateral apply to qualified public depositories, rather than to banks & savings associations. Effective Date: July 1, 2024

Actions

02/13/2024	HOUSE Favorable with CS by State Administration & Technology Appropriations Subcommittee; 8 Yeas, 5 Nays
02/13/2024	HOUSE Committee Substitute Text (C1) Filed
02/14/2024	HOUSE Now in Commerce Committee

Similar

SB 1018	Public Deposits (Ingoglia)

HB 0619 **Sovereign Immunity for Professional Firms** by Tuck

Sovereign Immunity for Professional Firms: Provides applicability; requires that contracts with certain professional firms must, to extent permitted by law, provide indemnity to DOT. Effective Date: July 1, 2024

Actions

02/05/2024	HOUSE On Committee agenda - Judiciary Committee, 02/07/24, 10:00 am, 404 H
02/07/2024	HOUSE Favorable by Judiciary Committee; 20 Yeas, 0 Nays
02/07/2024	HOUSE Placed on Calendar, on 2nd reading

Identical

SB 1534	Sovereign Immunity (Bradley)

SB 0628 **Prohibited Use of Human Trafficked Labor in Government Contracts** by Simon

Prohibited Use of Human Trafficked Labor in Government Contracts; Requiring certain contractors with governmental entities to provide an affidavit attesting the contractor does not use coercion for labor or services, etc. Effective Date: 7/1/2024

Actions

11/29/2023	SENATE Filed
12/13/2023	SENATE Referred to Governmental Oversight and Accountability; Community Affairs; Rules

Compare

SB 0796	Anti-human Trafficking (Avila)

HB 7063	Anti-human Trafficking (Judiciary Committee)

SB 0636 **Exemptions from Immunization Requirements** by Garcia (I)

Exemptions from Immunization Requirements; Authorizing persons to claim an exemption from any immunization requirement if a vaccine meeting specified criteria is not available to fulfill the requirement; authorizing a person to claim the exemption on one's own behalf or on behalf of one's child or dependent; prohibiting employers, school districts, the Department of Health, and certain public entities from requiring a person to meet any other conditions to claim the exemption, etc. Effective Date: Upon becoming a law

Actions

11/29/2023	SENATE Filed
12/13/2023	SENATE Referred to Health Policy; Judiciary; Rules

Compare

SB 1094	Immunization Requirements (Martin)

SB 0656 **Continuing Contracts** by DiCeglie

Continuing Contracts; Revising the maximum estimated construction cost of construction projects for which a governmental entity may enter into a continuing contract; revising the definition of the term "continuing contract" to increase the maximum dollar value of such contract, to require the Department of Management Services, beginning on a specified date and annually thereafter, to adjust the maximum dollar value allowed under such contracts using a specified index, and to publish the new dollar value on its website, etc. Effective Date: 7/1/2024

Actions

02/13/2024	SENATE Favorable with CS by Appropriations Committee on Agriculture, Environment, and General Government; 10 Yeas, 0 Nays
02/15/2024	SENATE Committee Substitute Text (C2) Filed
02/15/2024	SENATE Now in Fiscal Policy

Identical

HB 0149	Continuing Contracts (Alvarez)

SB 0658 **Cybersecurity Incident Liability** by DiCeglie

Cybersecurity Incident Liability; Providing that a county, municipality, other political subdivision of the state, commercial entity, or third-party agent that complies with certain requirements is not liable in connection with a cybersecurity incident; requiring certain entities to adopt certain revised frameworks or standards within a specified time period; specifying that the defendant in certain actions has a certain burden of proof, etc. Effective Date: Upon becoming a law

Actions

02/09/2024	SENATE On Committee agenda - Rules, 02/14/24, 9:00 am, 412 K
02/14/2024	SENATE Favorable by Rules; 11 Yeas, 5 Nays
02/15/2024	SENATE Placed on Calendar, on 2nd reading

Identical

HB 0473	Cybersecurity Incident Liability (Giallombardo)

SB 0664 **Land and Water Management** by Burgess

Land and Water Management; Requiring certain buffer zones for land or water delineations established by a county or municipality to be purchased by the county or municipality; preempting regulation of specified dredge and fill activities to the Department of Environmental Protection; repealing provisions relating to land management review teams, etc. Effective Date: 7/1/2024

Actions

12/01/2023	SENATE Filed
12/13/2023	SENATE Referred to Environment and Natural Resources; Appropriations Committee on Agriculture, Environment, and General Government; Fiscal Policy

Similar

HB 0527	Land and Water Management (Maggard)

SB 0674 **United States-produced Iron and Steel in Public Works Projects** by Boyd

United States-produced Iron and Steel in Public Works Projects; Requiring governmental entities to include a requirement in certain contracts that certain iron or steel products be produced in the United States; authorizing the minimal use of foreign steel and iron materials in certain circumstances; exempting specified products from the requirement, etc. Effective Date: 7/1/2024

Actions

02/08/2024	SENATE Placed on Special Order Calendar, 02/14/24
02/14/2024	SENATE Read Second Time; Read Third Time; Passed (Vote: 38 Yeas / 1 Nay); Immediately certified
02/14/2024	HOUSE In Messages

Similar

HB 0779	United States-produced Iron and Steel in Public Works Projects (Griffitts Jr.)

HB 0683 **Energy Infrastructure Investment** by Yeager

Energy Infrastructure Investment: Authorizes PSC to establish experimental mechanism to facilitate certain energy infrastructure investment & to make determinations regarding such mechanism. Effective Date: July 1, 2024

Actions

01/30/2024	HOUSE Committee Substitute Text (C1) Filed
01/31/2024	HOUSE Reference to Water Quality, Supply & Treatment Subcommittee removed; Remaining reference: Commerce Committee
01/31/2024	HOUSE Now in Commerce Committee

Compare

SB 1624	Energy Resources (Collins)

Similar

SB 0480	Renewable Natural Gas (DiCeglie)

HB 0705 **Public Works Projects** by Shoaf

Public Works Projects: Revises definition of term "public works project" to include activities paid for with local funds. Effective Date: July 1, 2024

Actions

01/26/2024	HOUSE On Committee agenda - State Affairs Committee, 01/30/24, 12:30 pm, 212 K
01/30/2024	HOUSE Favorable by State Affairs Committee; 14 Yeas, 6 Nays
01/30/2024	HOUSE Placed on Calendar, on 2nd reading

Compare

SB 0594	Public Works Projects (Grall)
SB 0742	Public Works Projects (Grall)

SB 0734 **Government Accountability** by Ingoglia

Government Accountability; Prohibiting specified individuals from soliciting or accepting anything of

value from a foreign country of concern; prohibiting a person from lobbying a county, municipality, or special district unless he or she is registered as a lobbyist with the Commission on Ethics; requiring the commission to investigate a lobbyist or principal upon receipt of a sworn complaint containing certain allegations; requiring the commission to provide the chief executive officer of the county or municipality or the governing body of the special district with a report on the findings and recommendations arising out of the investigation, etc. Effective Date: 7/1/2024

Actions

02/05/2024	SENATE Favorable with CS by Ethics and Elections; 8 Yeas, 0 Nays
02/07/2024	SENATE Committee Substitute Text (C2) Filed
02/07/2024	SENATE Now in Appropriations

Similar

HB 0735	Government Accountability (Andrade)

HB 0735 **Government Accountability** by Andrade

Government Accountability: Prohibits individuals from soliciting or accepting anything of value from foreign country of concern; prohibits person from lobbying county, municipality, or special district unless registered as lobbyist; establishes requirements for registration, compliance, investigations, & registration fees; prohibits entities from renewing or extending employment contracts during specified timeframe; requires specified number of members of governing body to be physically present at meeting for quorum purposes; authorizes members to participate in deliberations of governing body through technology. Effective Date: July 1, 2024

Actions

01/26/2024	HOUSE Now in State Affairs Committee
02/05/2024	HOUSE On Committee agenda - State Affairs Committee, 02/07/24, 10:00 am, 212 K
02/07/2024	HOUSE Temporarily Postponed by State Affairs Committee

Similar

SB 0734	Government Accountability (Ingoglia)

SB 0738 **Environmental Management** by Burgess

Environmental Management; Requiring that nonindustrial stormwater management systems be designed with side slopes that meet certain minimum design requirements; revising construction relating to causes of action for damages to real or personal property directly resulting from certain discharges or other conditions of pollution; requiring the department and water management districts to conduct holistic reviews of their respective agency's coastal permitting processes and permit programs, etc. Effective Date: 7/1/2024

Actions

01/30/2024	SENATE Committee Substitute Text (C2) Filed
01/30/2024	SENATE Now in Fiscal Policy
02/12/2024	SENATE On Committee agenda - Fiscal Policy, 02/15/24, 12:00 pm, 412 K

Compare

SB 0406	Statewide Environmental Resource Permitting Rules (Rodriguez)
HB 0789	Environmental Management (Overdorf)

SB 0742 **Public Works Projects** by Grall

Public Works Projects; Revising the definition of the term "public works project"; revising applicability of a provision that prohibits the state or a political subdivision that contracts for a public works project from taking certain actions under specified circumstances, etc. Effective Date: 7/1/2024

Actions

	SENATE On Committee agenda - Governmental Oversight and Accountability, 02/06/24,

02/01/2024	3:00 pm, 37 S
02/06/2024	SENATE Favorable by Governmental Oversight and Accountability; 4 Yeas, 2 Nays
02/07/2024	SENATE Now in Rules

Compare

HB 0705	Public Works Projects (Shoaf)

Similar

SB 0594	Public Works Projects (Grall)

SB 0762 **Heat Illness Prevention** by Rouson

Heat Illness Prevention; Requiring certain employers to implement an outdoor heat exposure safety program that has been approved by specified agencies; specifying requirements for the safety program; providing responsibilities for certain employers and employees; providing an exception; requiring specified annual training on heat illness and providing requirements for such training, etc. Effective Date: 7/1/2024

Actions

12/06/2023	SENATE Filed
12/15/2023	SENATE Referred to Commerce and Tourism; Appropriations Committee on Agriculture, Environment, and General Government; Fiscal Policy

Similar

HB 0945	Heat Illness Prevention (Gottlieb)

HB 0765 **Leave of Absence to Officials and Employees** by Daley

Leave of Absence to Officials and Employees: Provides that certain public officials & employees may receive full pay for leave of absence relating to active federal military service that lasts certain length of time. Effective Date: July 1, 2024

Actions

02/12/2024	HOUSE On Committee agenda - State Affairs Committee, 02/14/24, 9:00 am, 212 K
02/14/2024	HOUSE Favorable by State Affairs Committee; 20 Yeas, 0 Nays
02/14/2024	HOUSE Placed on Calendar, on 2nd reading

Similar

SB 0818	Military Leave (Avila)

HB 0769 **Assessment of Renewable Energy Source Devices** by Bankson

Assessment of Renewable Energy Source Devices: Revises definition of term "renewable energy source device." Effective Date: upon becoming a law

Actions

02/08/2024	HOUSE Favorable with CS by Ways & Means Committee; 22 Yeas, 1 Nay
02/09/2024	HOUSE Committee Substitute Text (C2) Filed
02/12/2024	HOUSE Now in Commerce Committee

HB 0777 **Municipal Water or Sewer Utility Rates, Fees, and Charges** by Brackett

Municipal Water or Sewer Utility Rates, Fees, and Charges: Removes provision authorizing certain municipalities serving consumers outside their boundaries to add specific surcharges to rates, fees, & charges; removes provision which does not require public hearing for adding specific surcharges; requires certain municipalities to conduct rate studies by specified dates which evaluate future capital needs, whether rates are expected to generate sufficient revenues to cover costs & support investments, & whether costs are equitably distributed. Effective Date: July 1, 2024

Actions

01/11/2024	HOUSE Now in Local Administration, Federal Affairs & Special Districts Subcommittee
01/29/2024	HOUSE On Committee agenda - Local Administration, Federal Affairs & Special Districts Subcommittee, 01/31/24, 2:00 pm, 17 H
01/31/2024	HOUSE Temporarily Postponed by Local Administration, Federal Affairs & Special Districts Subcommittee

Compare

SB 0104	Municipal Water and Sewer Utility Rates (Jones)
HB 1277	Municipal Utilities (Busatta Cabrera)
SB 1510	Municipal Utilities (Brodeur)

Similar

SB 1088	Municipal Water or Sewer Utility Rates, Fees, and Charges (Martin)

HB 0779 **United States-produced Iron and Steel in Public Works Projects** by Griffitts Jr.

United States-produced Iron and Steel in Public Works Projects: Requires governmental entities to include requirement in certain contracts that certain iron or steel products must be produced in United States; provides exceptions; authorizes use of foreign steel & iron materials in certain circumstances; requires DMS & DOT to adopt rules. Effective Date: July 1, 2024

Actions

02/12/2024	HOUSE On Committee agenda - State Affairs Committee, 02/14/24, 9:00 am, 212 K
02/14/2024	HOUSE Favorable by State Affairs Committee; 20 Yeas, 0 Nays
02/14/2024	HOUSE Placed on Calendar, on 2nd reading

Similar

SB 0674	United States-produced Iron and Steel in Public Works Projects (Boyd)

HB 0781 **Unsolicited Proposals for Public-private Partnerships** by Clemons, Sr.

Unsolicited Proposals for Public-private Partnerships: Authorizes, rather than requires, responsible public entity to publish notice of unsolicited proposal for qualifying project in specified manner & that other proposals for same project will be accepted; authorizes responsible public entity to proceed with unsolicited proposal for qualifying project without public bidding process if responsible public entity holds public meeting that meets certain requirements & holds a subsequent public meeting at which responsible public entity makes certain determination; requires responsible public entity to consider certain factors; requires responsible public entity to publish certain report in Florida Administrative Register for certain period in certain circumstances; revises certain determinations that responsible public entity must make before approving comprehensive agreement. Effective Date: July 1, 2024

Actions

02/01/2024	HOUSE Committee Substitute Text (C1) Filed
02/02/2024	HOUSE Reference to State Administration & Technology Appropriations Subcommittee; Remaining reference: State Affairs Committee
02/02/2024	HOUSE Now in State Affairs Committee

Identical

SB 0870	Unsolicited Proposals for Public-private Partnerships (Boyd)

HB 0789 **Environmental Management** by Overdorf

Environmental Management: Requires that nonindustrial stormwater management systems be designed with side slopes that meet certain minimum design requirements; superseding certain side slope rules; revises construction relating to causes of action for damages to real or personal property directly resulting from certain discharges or other conditions of pollution. Effective Date: July 1, 2024

Actions

01/31/2024	HOUSE Favorable by Agriculture & Natural Resources Appropriations Subcommittee; 10 Yeas, 5 Nays
01/31/2024	HOUSE Now in Infrastructure Strategies Committee
02/13/2024	HOUSE On Committee agenda - Infrastructure Strategies Committee, 02/15/24, 9:00 am, 404 H

Compare

SB 0406	Statewide Environmental Resource Permitting Rules (Rodriguez)
SB 0738	Environmental Management (Burgess)

SB 0796 **Anti-human Trafficking** by Avila

Anti-human Trafficking; Extending the future repeal date of the direct-support organization for the Statewide Council on Human Trafficking; revising the hotline telephone number to be included in human trafficking awareness signs; requiring that contractors with governmental entities attest that they do not use coercion for labor or services, etc. Effective Date: 7/1/2024

Actions

02/06/2024	SENATE Favorable with CS by Criminal Justice; 8 Yeas, 0 Nays
02/07/2024	SENATE Committee Substitute Text (C2) Filed
02/08/2024	SENATE Now in Fiscal Policy

Compare

SB 0628	Prohibited Use of Human Trafficked Labor in Government Contracts (Simon)

Similar

HB 7063	Anti-human Trafficking (Judiciary Committee)

SB 0818 **Military Leave** by Avila

Military Leave; Providing that public officials and employees of the state, a county, a municipality, or a political subdivision, respectively, are entitled to their full pay for the first 30 days of military service, if such service is equal to or greater than a specified timeframe, etc. Effective Date: 7/1/2024

Actions

02/06/2024	SENATE Favorable by Community Affairs; 8 Yeas, 0 Nays
02/07/2024	SENATE Now in Fiscal Policy
02/12/2024	SENATE On Committee agenda - Fiscal Policy, 02/15/24, 12:00 pm, 412 K

Similar

HB 0765	Leave of Absence to Officials and Employees (Daley)

HB 0839 **Employment Leave for Crime Victims and Witnesses** by Benjamin

Employment Leave for Crime Victims and Witnesses: Provides that crime victim & their family members & witnesses to crimes may take leave from their employers for certain purposes; provides duties of employees; prohibits certain actions by employers. Effective Date: January 1, 2025

Actions

12/12/2023	HOUSE Filed
12/27/2023	HOUSE Referred to Constitutional Rights, Rule of Law & Government Operations Subcommittee; State Administration & Technology Appropriations Subcommittee; Commerce Committee
12/27/2023	HOUSE Now in Constitutional Rights, Rule of Law & Government Operations Subcommittee

HB 0863 **Management and Storage of Surface Waters** by Killebrew

Management and Storage of Surface Waters: Provides exemption from surface water management & storage regulations for implementation of measures & practices for environmental activities & water quality improvements on specified agricultural lands & government-owned lands; provides condition & requirements for measures & practices; removes requirements for adverse impacts on water resources, certain notification by DEP & water management districts, & activity commencement; prohibits use of exemption for certain mitigation purposes. Effective Date: July 1, 2024

Actions

12/27/2023	HOUSE Referred to Water Quality, Supply & Treatment Subcommittee; Agriculture & Natural Resources Appropriations Subcommittee; Infrastructure Strategies Committee
12/27/2023	HOUSE Now in Water Quality, Supply & Treatment Subcommittee
01/03/2024	HOUSE Withdrawn prior to introduction

Similar

SB 0986	Management and Storage of Surface Waters (Burton)

SB 0870 **Unsolicited Proposals for Public-private Partnerships** by Boyd

Unsolicited Proposals for Public-private Partnerships; Authorizing, rather than requiring, a responsible public entity to publish notice of an unsolicited proposal for a qualifying project in a specified manner and that other proposals for the same project will be accepted; authorizing a responsible public entity to proceed with an unsolicited proposal for a qualifying project without a public bidding process if the responsible public entity holds a public meeting that meets certain requirements and holds a subsequent public meeting at which it makes a certain determination; requiring the responsible public entity to consider certain factors; requiring the responsible public entity to publish a certain report in the Florida Administrative Register for a certain period of time in certain circumstances, etc. Effective Date: 7/1/2024

Actions

02/01/2024	SENATE On Committee agenda - Community Affairs, 02/06/24, 3:00 pm, 401 S
02/06/2024	SENATE Favorable by Community Affairs; 8 Yeas, 0 Nays
02/07/2024	SENATE Now in Rules

Identical

HB 0781	Unsolicited Proposals for Public-private Partnerships (Clemons, Sr.)

SB 0894 **Governing Body Meetings** by Bradley

Governing Body Meetings; Authorizing governing bodies of municipalities to convene meetings and conduct official business via teleconferencing or other technological means if certain conditions are met; providing limitations on such meetings; providing that certain limitations placed on such meetings may be suspended by the Governor, for a specified timeframe, upon a declared state of emergency impacting the municipality in which the meeting would occur, etc. Effective Date: 7/1/2024

Actions

02/06/2024	SENATE Favorable with CS by Governmental Oversight and Accountability; 6 Yeas, 0 Nays
02/07/2024	SENATE Committee Substitute Text (C1) Filed
02/08/2024	SENATE Now in Rules

Similar

HB 0157	Governing Body Meetings (Caruso)

HB 0901 **Display of Flags by Governmental Entities** by Borrero

Display of Flags by Governmental Entities: Prohibits certain governmental entities from erecting or displaying certain flags; requires governmental entity to remain neutral in certain circumstances; provides applicability; requires certain governmental entities to display United States flag in certain

position. Effective Date: July 1, 2024

Actions

01/12/2024	HOUSE On Committee agenda - Constitutional Rights, Rule of Law & Government Operations Subcommittee, 01/17/24, 8:00 am, 404 H
01/17/2024	HOUSE Favorable by Constitutional Rights, Rule of Law & Government Operations Subcommittee; 9 Yeas, 5 Nays
01/17/2024	HOUSE Now in State Affairs Committee

Similar

SB 1120	Display of Flags by Governmental Entities (Martin)

HB 0945 **Heat Illness Prevention** by Gottlieb

Heat Illness Prevention: Requires employers to implement outdoor heat exposure safety program that has been approved by specified departments; specifies requirements for safety program; provides responsibilities for employers & employees; requires specified annual training on heat illness & providing requirements for such training; requires DACS, in conjunction with DOH, to adopt specified rules. Effective Date: October 1, 2024

Actions

12/19/2023	HOUSE Filed
01/05/2024	HOUSE Referred to Regulatory Reform & Economic Development Subcommittee; Agriculture & Natural Resources Appropriations Subcommittee; Commerce Committee
01/05/2024	HOUSE Now in Regulatory Reform & Economic Development Subcommittee

Similar

SB 0762	Heat Illness Prevention (Rouson)

HB 0973 **Pension Plan Election under Florida Retirement System** by Temple

Pension Plan Election under Florida Retirement System: Authorizes certain eligible employees participating in FRS to make second election to move back to pension plan; requires DOR in DMS to notify employees eligible to make such election within specified timeframe; provides requirements for such election; provides that cost of such election is deferred until member's retirement; authorizes such cost to be amortized over certain period of time; prohibits such cost from exceeding specified percentage of member's retirement benefits. Effective Date: July 1, 2024

Actions

12/20/2023	HOUSE Filed
01/05/2024	HOUSE Referred to Constitutional Rights, Rule of Law & Government Operations Subcommittee; Appropriations Committee; State Affairs Committee
01/05/2024	HOUSE Now in Constitutional Rights, Rule of Law & Government Operations Subcommittee

Compare

SB 1416	Special Risk Class of the Florida Retirement System (Rodriguez)
HB 1637	Special Risk Class of Florida Retirement System (Mooney, Jr.)

Identical

SB 1022	Pension Plan Election Under the Florida Retirement System (Rodriguez)

SB 0986 **Management and Storage of Surface Waters** by Burton

Management and Storage of Surface Waters; Providing an exemption from surface water management and storage regulations for the implementation of certain measures and practices for environmental restoration, enhancement, and creation activities and water quality improvements on specified

agricultural and government-owned lands; deleting requirements relating to adverse impacts on water resources, certain notification by the department and water management districts, and commencement of activities, etc. Effective Date: 7/1/2024

Actions

12/18/2023	SENATE Filed
01/04/2024	SENATE Referred to Environment and Natural Resources; Community Affairs; Rules

Similar

HB 0863	Management and Storage of Surface Waters (Killebrew)

SB 1018 **Public Deposits** by Ingoglia

Public Deposits; Adding credit unions to a list of financial institutions that are eligible to be qualified public depositories; specifying the losses against which certain solvent banks, savings banks, savings associations, and credit unions must guarantee public depositors; providing that a specified limit on securities eligible to be pledged as collateral applies to qualified public depositories, rather than to banks and savings associations, etc. Effective Date: 7/1/2024

Actions

12/19/2023	SENATE Filed
01/04/2024	SENATE Referred to Banking and Insurance; Appropriations Committee on Agriculture, Environment, and General Government; Fiscal Policy

Similar

HB 0611	Public Deposits (Botana)

SB 1022 **Pension Plan Election Under the Florida Retirement System** by Rodriguez

Pension Plan Election Under the Florida Retirement System; Authorizing certain eligible employees participating in the Florida Retirement System to make a second election to move back to the pension plan; providing that the cost of such election is deferred until the member's retirement; prohibiting such cost from exceeding a specified percentage of the member's retirement benefits, etc. Effective Date: 7/1/2024

Actions

12/20/2023	SENATE Filed
01/04/2024	SENATE Referred to Governmental Oversight and Accountability; Appropriations Committee on Agriculture, Environment, and General Government; Appropriations

Compare

SB 1416	Special Risk Class of the Florida Retirement System (Rodriguez)
HB 1637	Special Risk Class of Florida Retirement System (Mooney, Jr.)

Identical

HB 0973	Pension Plan Election under Florida Retirement System (Temple)

SB 1052 **Inactive Special Districts** by Hutson

Inactive Special Districts; Dissolving special districts that have been declared inactive and repealing their enabling laws; dissolving the Sunny Isles Reclamation and Water Control Board and repealing the judicial order establishing the district, etc. Effective Date: 7/1/2024

Actions

02/09/2024	SENATE On Committee agenda - Rules, 02/14/24, 9:00 am, 412 K
02/14/2024	SENATE Favorable by Rules; 17 Yeas, 0 Nays
02/15/2024	SENATE Placed on Calendar, on 2nd reading

Similar

HB 7011	Inactive Special Districts (Local Administration, Federal Affairs & Special Districts Subcommittee)

SB 1058 **Special Districts** by Hutson

Special Districts; Prohibiting the creation of new safe neighborhood improvement districts after a date certain; providing term limits for elected members of governing bodies of independent special districts; providing the method for changing boundaries of an independent special district; providing additional criteria for declaring a special district inactive, etc. Effective Date: 7/1/2024

Actions

02/09/2024	SENATE On Committee agenda - Rules, 02/14/24, 9:00 am, 412 K
02/14/2024	SENATE Favorable by Rules; 17 Yeas, 0 Nays
02/15/2024	SENATE Placed on Calendar, on 2nd reading

Similar

HB 7013	Special Districts (Local Administration, Federal Affairs & Special Districts Subcommittee)

HB 1075 **Soil and Water Conservation Districts** by Truenow

Soil and Water Conservation Districts: Dissolving specified soil & water conservation districts & transferring district assets & liabilities to DACS & specified counties; revises, creates, & repeals various provisions for soil & water conservation districts relating to Soil & Water Conservation Council, regional soil & water conservation districts, district board supervisors, district governing boards, & reassignment of assets of certain dissolved districts. Effective Date: July 1, 2024

Actions

01/26/2024	HOUSE Committee Substitute Text (C1) Filed
01/29/2024	HOUSE References to Agriculture, Conservation & Resiliency Subcommittee; Agriculture & Natural Resources Appropriations Subcommittee removed; Reference to Infrastructure Strategies Committee added; Remaining references: Infrastructure Strategies Committee; State Affairs Committee
01/29/2024	HOUSE Now in Infrastructure Strategies Committee

Similar

SB 1772	Soil and Water Conservation Districts (Collins)

SB 1088 **Municipal Water or Sewer Utility Rates, Fees, and Charges** by Martin

Municipal Water or Sewer Utility Rates, Fees, and Charges; Removing a provision that authorizes certain municipalities serving consumers outside their boundaries to add specific surcharges to the rates, fees, and charges; removing a provision that does not require a public hearing for adding specific surcharges; requiring certain municipalities to conduct rate studies at certain times, etc. Effective Date: 7/1/2024

Actions

12/27/2023	SENATE Filed
01/04/2024	SENATE Referred to Regulated Industries; Community Affairs; Rules

Compare

HB 0047	Municipal Water and Sewer Utility Rates (Robinson (F))
SB 0104	Municipal Water and Sewer Utility Rates (Jones)
HB 1277	Municipal Utilities (Busatta Cabrera)
SB 1510	Municipal Utilities (Brodeur)

Similar

HB 0777	Municipal Water or Sewer Utility Rates, Fees, and Charges (Brackett)

HB 1089 **Special Risk Class** by Shoaf

Special Risk Class: Redefining criteria for membership in FRS Special Risk Class. Effective Date: July 1, 2024

Actions

01/02/2024	HOUSE Filed
01/09/2024	HOUSE Referred to Constitutional Rights, Rule of Law & Government Operations Subcommittee; Appropriations Committee; State Affairs Committee
01/09/2024	HOUSE Now in Constitutional Rights, Rule of Law & Government Operations Subcommittee

Similar

SB 0560	Special Risk Class (Bradley)

SB 1094 **Immunization Requirements** by Martin

Immunization Requirements; Beginning on a specified date, requiring the Department of Health to obtain approval of the Legislature to add any new immunizations to those required for school attendance; authorizing persons to claim an exemption from any immunization requirement if a vaccine fully approved by the Food and Drug Administration is not available to fulfill the requirement; authorizing a person to claim the exemption on one's own behalf or on behalf of one's child or dependent; prohibiting employers, school districts, the department, and certain public entities from requiring a person to meet any other conditions to claim the exemption, etc. Effective Date: Upon becoming a law

Actions

12/27/2023	SENATE Filed
01/04/2024	SENATE Referred to Health Policy; Judiciary; Rules

Compare

SB 0636	Exemptions from Immunization Requirements (Garcia (I))

SB 1120 **Display of Flags by Governmental Entities** by Martin

Display of Flags by Governmental Entities; Prohibiting certain governmental entities from erecting or displaying certain flags; requiring the governmental entity to remain neutral in certain circumstances; providing applicability; authorizing a current or retired member of the United States Armed Forces or the National Guard to use reasonable force to prevent the desecration, destruction, or removal of the United States flag or to replace such flag to a position of prominence, etc. Effective Date: 7/1/2024

Actions

01/29/2024	SENATE Temporarily Postponed by Governmental Oversight and Accountability
02/01/2024	SENATE On Committee agenda - Governmental Oversight and Accountability, 02/06/24, 3:00 pm, 37 S
02/06/2024	SENATE Temporarily Postponed by Governmental Oversight and Accountability

Similar

HB 0901	Display of Flags by Governmental Entities (Borrero)

SB 1136 **Regulation of Water Resources** by Trumbull

Regulation of Water Resources; Revising the qualification requirements a person must meet in order to take the water well contractor license examination; authorizing certain authorities who have been delegated enforcement powers by water management districts to apply disciplinary guidelines adopted by the districts; prohibiting a person or business entity from advertising water well drilling or construction services in specified circumstances; providing that the Department of Environmental Protection's variance review and advisory committee is not responsible for reviewing water well permitting, etc. Effective Date: 7/1/2024

Actions

02/09/2024	SENATE Committee Substitute Text (C2) Filed
02/09/2024	SENATE Placed on Calendar, on 2nd reading
02/15/2024	SENATE Placed on Special Order Calendar, 02/21/24

Similar

HB 1163	Regulation of Water Resources (McClain)

HB 1153 **Advanced Wastewater Treatment** by Cross

Advanced Wastewater Treatment: Requires DEP, in consultation with water management districts & sewage disposal facilities, to submit to Governor & Legislature reports on permitted sewage disposal facilities in state, priority ranking process for implementing advanced wastewater treatment upgrades at such facilities & implementation status of such upgrades. Effective Date: July 1, 2024

Actions

01/03/2024	HOUSE Filed
01/09/2024	HOUSE Referred to Water Quality, Supply & Treatment Subcommittee; Agriculture & Natural Resources Appropriations Subcommittee; Infrastructure Strategies Committee
01/09/2024	HOUSE Now in Water Quality, Supply & Treatment Subcommittee

Similar

SB 1304	Advanced Wastewater Treatment (Berman)

HB 1163 **Regulation of Water Resources** by McClain

Regulation of Water Resources: Revises qualification requirements person must meet in order to take water well contractor license examination; prohibits person or business entity from advertising water well drilling or construction services in specified circumstances; requires rules adopted by DEP relating to location of onsite sewage treatment & disposal systems allow licensed water well contractor to apply for & receive variance for installation of private or public potable water well; provides DEP's variance review & advisory committee is not responsible for reviewing water well permitting; requires committee to consider certain requirements when making recommendations on variance requests. Effective Date: July 1, 2024

Actions

02/08/2024	HOUSE Committee Substitute Text (C2) Filed
02/09/2024	HOUSE Placed on Calendar, on 2nd reading
02/12/2024	HOUSE Placed on Special Order Calendar, 02/15/24

Similar

SB 1136	Regulation of Water Resources (Trumbull)

HB 1277 **Municipal Utilities** by Busatta Cabrera

Municipal Utilities: Requires certain public meetings as condition precedent to effectiveness of new or extended agreement under which municipality will provide specified utility services in other municipalities or unincorporated areas; specifies matters to be addressed in such public meetings; requires such agreements to be written; requires annual public customer meetings; limits portion of certain utility revenues that municipality may use to fund or finance general government functions; requires excess revenues to be reinvested into municipal utility or returned to customers; requires municipalities that provide specified utility services to report certain information by specified date to PSC on annual basis; requires PSC to compile certain information & submit report containing such information to Governor & Legislature by specified date; revises provisions relating to permissible rates, fees, & charges imposed by municipal water & sewer utilities on customers located outside municipal boundaries. Effective Date: July 1, 2025

Actions

02/01/2024	HOUSE Committee Substitute Text (C2) Filed
02/02/2024	HOUSE Now in Commerce Committee

02/13/2024	HOUSE On Committee agenda - Commerce Committee, 02/15/24, 9:00 am, 212 K

Compare

HB 0047	Municipal Water and Sewer Utility Rates (Robinson (F))
SB 0104	Municipal Water and Sewer Utility Rates (Jones)
HB 0777	Municipal Water or Sewer Utility Rates, Fees, and Charges (Brackett)
SB 1088	Municipal Water or Sewer Utility Rates, Fees, and Charges (Martin)
SB 1510	Municipal Utilities (Brodeur)

SB 1304 **Advanced Wastewater Treatment** by Berman

Advanced Wastewater Treatment; Requiring the Department of Environmental Protection, in consultation with the water management districts and sewage disposal facilities, to submit to the Governor and Legislature, by specified dates, reports on certain permitted sewage disposal facilities in this state, a priority ranking process for implementing advanced wastewater treatment upgrades at such facilities, and the implementation status of such upgrades, etc. Effective Date: 7/1/2024

Actions

01/04/2024	SENATE Filed
01/10/2024	SENATE Referred to Environment and Natural Resources; Appropriations Committee on Agriculture, Environment, and General Government; Fiscal Policy

Similar

HB 1153	Advanced Wastewater Treatment (Cross)

SB 1382 **Gender Identity Employment Practices** by Martin

Gender Identity Employment Practices; Specifying an employment policy of the state relating to a person’s sex; prohibiting employees and contractors of certain employers from being required to use, from providing, and from being asked to provide preferred personal titles or pronouns; providing that it is an unlawful employment practice for certain employers to take adverse personnel action against employees and contractors on the basis of deeply held religious or biology-based beliefs; providing that it is an unlawful employment practice for nonprofit organizations and certain employers to require certain training, instruction, or activity as a condition of employment, etc. Effective Date: 7/1/2024

Actions

01/04/2024	SENATE Filed
01/10/2024	SENATE Referred to Governmental Oversight and Accountability; Appropriations; Fiscal Policy; Rules

Identical

HB 0599	Gender Identity Employment Practices (Chamberlin)

SB 1386 **Department of Environmental Protection** by Calatayud

Department of Environmental Protection; Revising the aquatic preserves within which a person may not operate a vessel outside a lawfully marked channel under certain circumstances; defining the term “Florida Flood Hub”; requiring the Department of Environmental Protection to conduct enforcement activities for violations of certain onsite sewage treatment and disposal system regulations in accordance with specified provisions; requiring certain facilities and systems to include a domestic wastewater treatment plan as part of a basin management action plan for nutrient total maximum daily loads, etc. Effective Date: 7/1/2024

Actions

02/13/2024	SENATE Favorable with CS by Appropriations Committee on Agriculture, Environment, and General Government; 10 Yeas, 0 Nays
02/15/2024	SENATE Committee Substitute Text (C1) Filed
02/15/2024	SENATE Now in Fiscal Policy

Similar

HB 1557	Department of Environmental Protection (Chaney)

HB 1417 **Funding for Environmental Resource Management** by Buchanan

Funding for Environmental Resource Management: Requires Legislature to appropriate revenue share payments received under 2021 gaming compact for specified purposes. Effective Date: upon becoming a law

Actions

01/13/2024	HOUSE Referred to Infrastructure Strategies Committee; Appropriations Committee
01/13/2024	HOUSE Now in Infrastructure Strategies Committee
02/13/2024	HOUSE On Committee agenda - Infrastructure Strategies Committee, 02/15/24, 9:00 am, 404 H

Compare

SB 1638	Funding for Environmental Resource Management (Hutson)

SB 1492 **Employment Regulations** by Trumbull

Employment Regulations; Prohibiting a political subdivision from requiring employers to meet or provide heat exposure requirements beyond those required by law; prohibiting a political subdivision from giving preference to or considering or seeking information from an employer in a competitive solicitation based on or relating to an employer's heat exposure requirements, etc. Effective Date: 7/1/2024

Actions

02/01/2024	SENATE On Committee agenda - Community Affairs, 02/06/24, 3:00 pm, 401 S
02/06/2024	SENATE Favorable by Community Affairs; 5 Yeas, 3 Nays
02/07/2024	SENATE Now in Rules

Compare

HB 0433	Employment Regulations (Esposito)

SB 1510 **Municipal Utilities** by Brodeur

Municipal Utilities; Authorizing a municipality to fund or finance general government functions with a portion of revenues from utility operations; establishing limits on utility revenue transfers for municipal utilities; modifying provisions relating to permissible rates, fees, and charges imposed by municipal water and sewer utilities on consumers located outside the municipal boundaries, etc. Effective Date: 7/1/2025

Actions

01/05/2024	SENATE Filed
01/10/2024	SENATE Referred to Regulated Industries; Community Affairs; Appropriations

Compare

HB 0047	Municipal Water and Sewer Utility Rates (Robinson (F))
SB 0104	Municipal Water and Sewer Utility Rates (Jones)
HB 0777	Municipal Water or Sewer Utility Rates, Fees, and Charges (Brackett)
SB 1088	Municipal Water or Sewer Utility Rates, Fees, and Charges (Martin)
HB 1277	Municipal Utilities (Busatta Cabrera)

HB 1531 **Climate Resilience and Drinking Water Standards** by Joseph

Climate Resilience and Drinking Water Standards: Requires DEP to establish Blue Communities Program & Blue Communities Fund; establishes advisory board within DEP; provides for membership; establishes Ocean State Climate Adaptation & Resilience Grant Fund within DEP; specifies sources &

uses of funding & project eligibility requirements; provides duties of DEP & Florida Oceans & Coastal Council; provides reporting requirements; requires DEP & council to jointly adopt rules; establishes Marine Resources Conservation Account within Marine Resources Conservation Trust Fund to be administered by FWCC; requires DEP, or local county health department designated by DEP, to monitor level of forever chemicals in certain water systems; provides monitoring standards. Effective Date: July 1, 2024

Actions

01/08/2024	HOUSE Filed
01/13/2024	HOUSE Referred to Water Quality, Supply & Treatment Subcommittee; Agriculture & Natural Resources Appropriations Subcommittee; Infrastructure Strategies Committee
01/13/2024	HOUSE Now in Water Quality, Supply & Treatment Subcommittee

Compare

SB 1630	Climate Resilience (Torres, Jr.)

HB 1533 **Statewide Drinking Water Standards** by Plakon

Statewide Drinking Water Standards: Revises policy of state regarding safe drinking water; requires DEP to adopt & implement rules for statewide maximum contaminant level for 1,4-dioxane; requires department to provide public water systems financial assistance necessary to update system infrastructure to meet certain standards; requires department to establish by rule criteria for public water system to receive such financial assistance. Effective Date: July 1, 2024

Actions

01/08/2024	HOUSE Filed
01/13/2024	HOUSE Referred to Water Quality, Supply & Treatment Subcommittee; Agriculture & Natural Resources Appropriations Subcommittee; Infrastructure Strategies Committee
01/13/2024	HOUSE Now in Water Quality, Supply & Treatment Subcommittee

Identical

SB 1546	Statewide Drinking Water Standards (Stewart)

SB 1534 **Sovereign Immunity** by Bradley

Sovereign Immunity; Revising applicability; requiring that contracts with such firms must, to the extent permitted by law, provide indemnity to the department, etc. Effective Date: 7/1/2024

Actions

02/09/2024	SENATE On Committee agenda - Rules, 02/14/24, 9:00 am, 412 K
02/14/2024	SENATE Favorable by Rules; 18 Yeas, 0 Nays
02/15/2024	SENATE Placed on Calendar, on 2nd reading

Identical

HB 0619	Sovereign Immunity for Professional Firms (Tuck)

SB 1546 **Statewide Drinking Water Standards** by Stewart

Statewide Drinking Water Standards; Revising the policy of the state regarding safe drinking water; requiring the Department of Environmental Protection to adopt and implement rules for a statewide maximum contaminant level for 1,4-dioxane; requiring the department to provide public water systems financial assistance necessary to update system infrastructure to meet certain standards, etc. Effective Date: 7/1/2024

Actions

01/18/2024	SENATE On Committee agenda - Environment and Natural Resources, 01/23/24, 3:30 pm, 301 S
01/23/2024	SENATE Favorable by Environment and Natural Resources; 7 Yeas, 0 Nays

01/23/2024	SENATE Now in Appropriations Committee on Agriculture, Environment, and General Government

Identical

HB 1533	Statewide Drinking Water Standards (Plakon)

HB 1557 **Department of Environmental Protection** by Chaney

Department of Environmental Protection: Revises, creates, & repeals various provisions under jurisdiction of DEP relating to aquatic preserves; preservation & regeneration of seagrass; Southeast Florida Coral Reef Ecosystem Conservation Area; use of reclaimed water; Resilient Florida Grant Program; comprehensive statewide flood vulnerability & sea level rise data set & assessment; Statewide Flooding & Sea Level Rise Resilience Plan; regional planning councils & estuary partnerships; transfer of regulation of Onsite Sewage Program from DOH to DEP; domestic wastewater treatment facilities; & basin management action plans. Effective Date: July 1, 2024

Actions

02/08/2024	HOUSE Committee Substitute Text (C2) Filed
02/09/2024	HOUSE Placed on Calendar, on 2nd reading
02/12/2024	HOUSE Placed on Special Order Calendar, 02/15/24

Similar

SB 1386	Department of Environmental Protection (Calatayud)

SB 1620 **Surplus Lands** by Collins

Surplus Lands; Requiring the Acquisition and Restoration Council to make certain determinations for lands surplused by a local governmental entity; prohibiting future development rights from being attached to certain local governmental entity surplus lands; prohibiting the attachment of future development rights for certain surplus lands; authorizing the Department of Environmental Protection to surplus certain state-owned conservation lands, etc. Effective Date: 7/1/2024

Actions

01/05/2024	SENATE Filed
01/11/2024	SENATE Referred to Environment and Natural Resources; Appropriations Committee on Agriculture, Environment, and General Government; Fiscal Policy

SB 1630 **Climate Resilience** by Torres, Jr.

Climate Resilience; Requiring the Department of Environmental Protection to establish the Blue Communities Program for a specified purpose; establishing an advisory board within the department; providing for membership; establishing the Ocean State Climate Adaptation and Resilience Grant Fund within the department; creating the Carbon Sequestration Advisory Council within the Department of Agriculture and Consumer Services, etc. Effective Date: 7/1/2024

Actions

01/05/2024	SENATE Filed
01/11/2024	SENATE Referred to Environment and Natural Resources; Appropriations Committee on Agriculture, Environment, and General Government; Appropriations

Compare

HB 1187	Carbon Sequestration (Cross)
SB 1258	Carbon Sequestration (Rodriguez)
HB 1531	Climate Resilience and Drinking Water Standards (Joseph)

SB 1638 **Funding for Environmental Resource Management** by Hutson

Funding for Environmental Resource Management; Creating, subject to appropriation, the Local Trail Management Grant Program within the Department of Environmental Protection for a specified purpose; requiring the Department of Revenue to distribute, on a monthly basis, a specified percentage of the

revenue share payments received under the 2021 gaming compact; creating the Water Quality Work Program within the Department of Environmental Protection, etc. APPROPRIATION: Indeterminate Effective Date: Upon becoming a law

Actions

01/24/2024	SENATE Favorable by Appropriations Committee on Agriculture, Environment, and General Government; 10 Yeas, 0 Nays
01/25/2024	SENATE Now in Fiscal Policy
02/12/2024	SENATE On Committee agenda - Fiscal Policy, 02/15/24, 12:00 pm, 412 K

Compare

HB 1417	Funding for Environmental Resource Management (Buchanan)

SB 1646 **Mitigation Credits** by DiCeglie

Mitigation Credits; Defining the term “proximity factor”; revising the list of projects eligible to use mitigation banks; requiring the Department of Environmental Protection and water management districts to authorize the use of mitigation credits within surrounding basins; specifying the circumstances under which credits may be deemed unavailable in a basin, etc. Effective Date: Upon becoming a law

Actions

01/05/2024	SENATE Filed
01/11/2024	SENATE Referred to Environment and Natural Resources; Appropriations Committee on Agriculture, Environment, and General Government; Fiscal Policy

HB 1665 **Preventing Contaminants from Discharging into Wastewater Facilities and Waters of the State** by Gossett-Seidman

Preventing Contaminants from Discharging into Wastewater Facilities and Waters of the State: Establishes PFAS & 1,4-dioxane pretreatment initiative within DEP for specified purpose; provides requirements for wastewater facilities with industrial pretreatment programs; provides discharge limits & surface water quality standards for industrial users; provides that such limits & standards are effective when DEP adopts rules & such rules are ratified by Legislature; requires permitting limits & ongoing sampling, reporting, & compliance standards. Effective Date: July 1, 2024

Actions

01/09/2024	HOUSE Filed
01/13/2024	HOUSE Referred to Water Quality, Supply & Treatment Subcommittee; Agriculture & Natural Resources Appropriations Subcommittee; Infrastructure Strategies Committee
01/13/2024	HOUSE Now in Water Quality, Supply & Treatment Subcommittee

Similar

SB 1692	Preventing Contaminants of Emerging Concern from Discharging Into Wastewater Facilities and Waters of the State (Brodeur)

SB 1692 **Preventing Contaminants of Emerging Concern from Discharging Into Wastewater Facilities and Waters of the State** by Brodeur

Preventing Contaminants of Emerging Concern from Discharging Into Wastewater Facilities and Waters of the State; Establishing the PFAS and 1,4-dioxane pretreatment initiative within the Department of Environmental Protection for a specified purpose; requiring the department to coordinate with wastewater facilities in implementing the pretreatment of contaminants of emerging concern; requiring that industrial users identified as probable sources of the specified contaminants be issued permits, orders, or similar measures to enforce specified pretreatment standards by a specified date; providing interim discharge limits for industrial users beginning on a specified date, etc. Effective Date: 7/1/2024

Actions

02/05/2024	SENATE On Committee agenda - Appropriations Committee on Agriculture, Environment, and General Government, 02/08/24, 2:00 pm, 110 S

02/08/2024	SENATE Favorable by Appropriations Committee on Agriculture, Environment, and General Government; 9 Yeas, 0 Nays
02/08/2024	SENATE Now in Fiscal Policy

Similar

HB 1665	Preventing Contaminants from Discharging into Wastewater Facilities and Waters of the State (Gossett-Seidman)

SB 1772 **Soil and Water Conservation Districts** by Collins

Soil and Water Conservation Districts; Dissolving specified soil and water conservation districts and transferring district assets and liabilities to the Department of Agriculture and Consumer Services; requiring the department to provide for reimbursement of travel expenses for soil and water conservation district board members; providing for the transfer of certain contractual obligations for real property interests, equipment, vehicles, other personal property, and records, etc. Effective Date: 7/1 /2024

Actions

01/05/2024	SENATE Filed
01/11/2024	SENATE Referred to Community Affairs; Appropriations Committee on Agriculture, Environment, and General Government; Fiscal Policy

Similar

HB 1075	Soil and Water Conservation Districts (Truenow)

SB 7006 **OGSR/Utility Owned or Operated by a Unit of Local Government** by Regulated Industries

OGSR/Utility Owned or Operated by a Unit of Local Government; Amending a provision which provides exemptions from public record requirements for information related to the security of certain technology, processes, practices, information technology systems, industrial control technology systems, and customer meter-derived data and billing information held by a utility owned or operated by a unit of local government; extending the date of scheduled repeal of public record exemptions relating to the security of certain technology, processes, practices, information technology systems, and industrial control technology systems; amending a provision which provides an exemption from public meeting requirements for meetings held by a utility owned or operated by a unit of local government which would reveal certain information; extending the date of scheduled repeal of the exemption, etc. Effective Date: 10/1/2024

Actions

02/08/2024	SENATE Placed on Special Order Calendar, 02/14/24
02/14/2024	SENATE Read Second Time; Read Third Time; Passed (Vote: 39 Yeas / 0 Nays); Immediately certified
02/14/2024	HOUSE In Messages

Identical

HB 7047	OGSR/Utility Owned or Operated by a Unit of Local Government (Ethics, Elections & Open Government Subcommittee)

HB 7011 **Inactive Special Districts** by Local Administration, Federal Affairs & Special Districts Subcommittee

Inactive Special Districts: Dissolves special districts that have been declared inactive & repeals their enabling laws; provides exception to general law; dissolves Sunny Isles Reclamation & Water Control Board & repeals judicial order establishing district. Effective Date: July 1, 2024

Actions

02/01/2024	HOUSE Read Second Time; Read Third Time; Passed (Vote: 113 Yeas / 0 Nays)
02/01/2024	SENATE In Messages
02/02/2024	SENATE Received; Referred to Rules

Similar

SB 1052	Inactive Special Districts (Hutson)

HB 7013 **Special Districts** by Local Administration, Federal Affairs & Special Districts Subcommittee

Special Districts: Prohibits creation of new neighborhood improvement districts after date certain; provides term limits for elected members of governing bodies of independent special districts; provides method for changing boundaries of independent special district; provides additional criteria for declaring special district inactive; provides that district declared inactive may only expend funds as necessary to service outstanding debt & to comply with existing bond covenants & contractual obligations; requires independent special fire control districts to annually report training information to Division of State Fire Marshal; provides boundaries of mosquito control district may only be changed by special act; reducing maximum millage rate for mosquito control districts. Effective Date: July 1, 2024

Actions

02/01/2024	HOUSE Read Second Time; Read Third Time; Passed (Vote: 114 Yeas / 0 Nays)
02/01/2024	SENATE In Messages
02/02/2024	SENATE Received; Referred to Rules

Similar

SB 1058	Special Districts (Hutson)

SB 7014 **Ethics** by Ethics and Elections

Ethics; Increasing the maximum fine for violations of specified lobbying provisions; authorizing attorneys who file full and public disclosures of their financial interests to indicate that a client meets disclosure criteria without providing further information relating to such client; prohibiting a member of the Commission on Ethics from serving more than two full terms, instead of two full terms in succession; providing that a complainant is liable for costs plus reasonable attorney fees for filing a complaint with malicious intent against a candidate for public office; requiring that allegations in written complaints submitted to the commission be based upon personal knowledge or information other than hearsay, etc. Effective Date: 10/1/2024

Actions

02/01/2024	SENATE Read Second Time; Amendments Adopted (170806, 932020, 562898, 317468); Read Third Time; Passed (Vote: 39 Yeas / 0 Nays); Immediately certified
02/01/2024	SENATE Engrossed Text (E1) Filed
02/01/2024	HOUSE In Messages

Similar

HB 1597	Ethics (Brackett)

SB 7024 **Employer Contributions to Fund Retiree Benefits** by Governmental Oversight and Accountability

Employer Contributions to Fund Retiree Benefits; Revising required employer retirement contribution rates for each membership class and subclass of the Florida Retirement System; providing a declaration of important state interest, etc. Effective Date: 7/1/2024

Actions

02/01/2024	SENATE Placed on Special Order Calendar, 02/07/24
02/07/2024	SENATE Read Second Time; Placed on Third Reading, 02/08/24
02/08/2024	SENATE Read Third Time; Substituted for HB 0151; Laid on Table, Refer to HB 0151

Compare

HB 0151	Florida Retirement System (Busatta Cabrera)
SB 2500	Appropriations (Appropriations)
HB 5001	General Appropriations Act (Appropriations Committee)

OGSR/Utility Owned or Operated by a Unit of Local Government by Ethics, Elections & Open

HB 7047	Government Subcommittee

OGSR/Utility Owned or Operated by a Unit of Local Government: Extends date of scheduled repeal of public records exemptions for certain information related to security of certain technology, processes, practices, information technology systems, & industrial control technology systems; removes scheduled repeal of public records exemption for certain customer meter-derived data & billing information; extends date of scheduled repeal of exemption from public meetings requirements for portions of meetings held by utility owned or operated by unit of local government that would reveal certain information. Effective Date: October 1, 2024

Actions

01/26/2024	HOUSE On Committee agenda - State Affairs Committee, 01/30/24, 12:30 pm, 212 K
01/30/2024	HOUSE Favorable by State Affairs Committee; 19 Yeas, 0 Nays
01/30/2024	HOUSE Placed on Calendar, on 2nd reading

Identical

SB 7006	OGSR/Utility Owned or Operated by a Unit of Local Government (Regulated Industries)

HB 7063	**Anti-human Trafficking** by Judiciary Committee

Anti-human Trafficking: Extends future repeal date of direct-support organization for Statewide Council on Human Trafficking; revises hotline number to be included in human trafficking awareness signs; requires that contractors with governmental entities attest that they do not use human trafficked labor. Effective Date: July 1, 2024

Actions

02/08/2024	HOUSE Filed (Formerly PCB JDC1)
02/09/2024	HOUSE Bill referred to House Calendar
02/09/2024	HOUSE Placed on Calendar, on 2nd reading

Compare

SB 0628	Prohibited Use of Human Trafficked Labor in Government Contracts (Simon)

Similar

SB 0796	Anti-human Trafficking (Avila)

LFS1	**Inactive Special Districts** by Local Administration, Federal Affairs & Special Districts Subcommittee

PCB LFS 24-01 – Inactive Special Districts

Actions

12/06/2023	HOUSE On Committee agenda - Local Administration, Federal Affairs & Special Districts Subcommittee, 12/13/23, 8:00 am, 17 H
12/13/2023	HOUSE Submitted as Committee Bill and Reported Favorably by Local Administration, Federal Affairs & Special Districts Subcommittee; 15 Yeas, 0 Nays
12/13/2023	HOUSE Committee Bill Filed as HB 7011

LFS2	**Special Districts** by Local Administration, Federal Affairs & Special Districts Subcommittee

PCB LFS 24-02 – Special Districts

Actions

12/06/2023	HOUSE On Committee agenda - Local Administration, Federal Affairs & Special Districts Subcommittee, 12/13/23, 8:00 am, 17 H
12/13/2023	HOUSE Submitted as Committee Bill and Reported Favorably by Local Administration, Federal Affairs & Special Districts Subcommittee; 11 Yeas, 4 Nays
12/13/2023	HOUSE Committee Bill Filed as HB 7013

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TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM B.2

DATE: February 1, 2024

TO: Board of Directors

FROM: Charles H. Carden, General Manager

SUBJECT: General Manager's Report - *Receive Report*

SUMMARY

The General Manager will provide an update on agency programs and activities.

SUGGESTED ACTION

Receive Status Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

"Lightning in a Bottle"

Florida Humanities will be hosting a screening of Tampa Bay Water's documentary "Lightning in a Bottle" on World Water Day, March 22, 2024, from 6:00 – 8:00 p.m. at the St. Pete History Museum. *Florida Humanities* was established in 1973 to advance humanities into the public arena. The programs it supports develop a shared understanding of the past and a willingness to address upcoming challenges. The screening will be followed by a panel discussion on the importance of the agency both historically and in the future. All board members will receive invitations to the event and staff will provide additional information as it becomes available.

Public Opinion Survey

Tampa Bay Water conducts a public opinion survey every three years to collect information and measure citizen attitudes and behaviors on important water supply issues such as available water supply, current and future sources, cost and water quality. The 2024 Public Opinion Survey data collection began in February and will be completed by the end of the month. The results of the survey will be presented to the Board at its May board meeting and those results will be used to shape the public outreach for future water supply projects and developmental alternatives and to update the agency's communications plan.

Tampa Bay Water Seawater Desalination Project Update

Following the approval at the January Board Meeting, U.S. Water-Acciona mobilized to start construction activities at the Tampa Bay Water Seawater Desalination Facility. The construction phase incorporates three major milestones for each rack: demolition, design/fabrication, and installation. These milestones will be completed for each rack independently of one another. To ensure the initial set of racks are completed by the Fall 2024, the design of the new Reverse Osmosis (RO) racks is occurring simultaneously with the initial demolition. 4D scans of the site were completed during the last week of January. These scans are being used to design and plan for the fabrication and installation processes of the Reverse Osmosis (RO) racks. In addition, Black & Veatch has been brought on as a third-party design reviewer to ensure any modifications comply with Tampa Bay Water's existing operating contract. The design is expected to be completed by the end of February as the demolition of rack no. 4 reaches completion.

Ongoing Activities:

- Demolition of the complete framed structure for rack no. 4 is expected to complete the week of February 26,2024.
- Racks no. 1 and 2 are being demolished with an estimated completion in March.
- Racks no. 3 and 5 are in the initial demolition step with an estimated completion in April and May respectively.
- Design will be complete the week of February 26, 2024.
- Fabrication of rack no. 4 will start the week of March 20, 2024.
- Installation of racks no. 1, 2, and 4 is expected to be complete by October 1st to meet 12 million gallon per day goal for Fall 2024.

Current System Status Update

The area continues to be under a modified Phase I Water Shortage Order which restricts outdoor irrigation to one day per week for the entire Tampa Bay region. We have received adequate rainfall for

the months of December and January and demands have been below projections since the restrictions went into effect. The system has been meeting demands using an equal combination of surface water and groundwater as repairs to the seawater desalination facility continue. We remain focused on conservation efforts as March, April and May are typically the driest months of the year in our region. We expect regional demands to rise considerably over the next several months, but any flattening of that demand curve will help us maintain our permit. The agency is planning to expand the messaging campaign to help reach even more residents with conservation messaging along with increased enforcement of the one day per week watering restriction from our members.

Highlights to date:

- The total average delivery to the member governments in January 2024 was 186.77 mgd.
- The region received slightly (0.22 inch) below-average rainfall.
- Cumulative rainfall in the region was at an 8.3-inch deficit through January 2024.
- The Regional Reservoir storage was 7.13 billion gallons as of January 31, 2024 (46% full).
- The 12-month running average pumping rate for the Consolidated Permit Wellfields was 88.70 mgd at the end of January.
- The 12-month running average pumping rate for the South-Central Hillsborough Regional Wellfield was 27.58 mgd at the end of January.
- Treated surface water totaled 96.6 mgd.
- Seawater Desalination Facility is offline for repairs until Fall 2024.
- District approved an Emergency Order on January 30, 2024, to increase withdrawals from the Alafia River from 10% to 19% of flow.
- The City of Tampa's Hillsborough River Reservoir was at an elevation of 22.76 ft. at the end of January.
- No water diverted through Harney Canal in January.
- City of Tampa purchased an average of 8.24 mgd.

Warren Hogg, Chief Science Officer, will present further details on current conditions and future operational considerations.

Upcoming Items of Note

March (Board Meeting March 18, 2024)

- City of New Port Richey Update Presentation
- Water Conservation Month Proclamation

April (Board Meeting April 15, 2024)

- 2024 Proposed Budget Workshop
- Master Water Plan Feasibility Study Update

- Construction Update

May (Board Meeting May 20, 2024)

- 2024 Budget Public Hearing and Adoption
- City of Tampa Update Presentation
- 2024 Public Opinion Survey Results
- Water Quality Update
- Water Wise Update

B.2 General Manager's Report Presentation

General Manager's Report

Agenda Item B.2

February 26, 2024

Chuck Carden
General Manager
Tampa Bay Water

TAMPA BAY WATER
Supplying Water To The Region

Leadership Tampa Bay Pasco County / Economic Development Day





UF Symposium



Tampa Bay Regional Planning Council





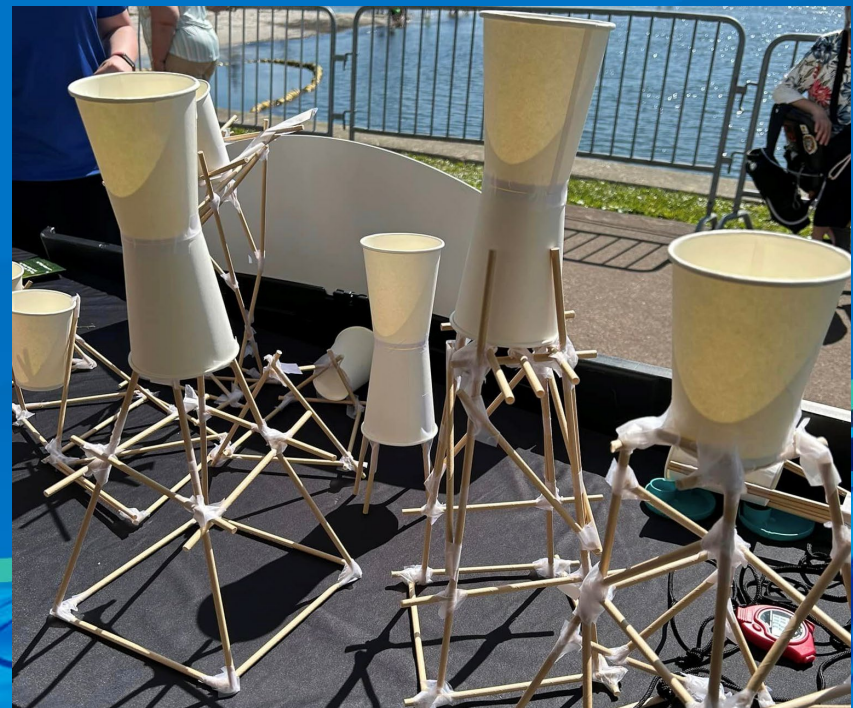
St. Petersburg Science Festival





STEM Explorer Fest





Pasco County Schools Science Showcase Gala

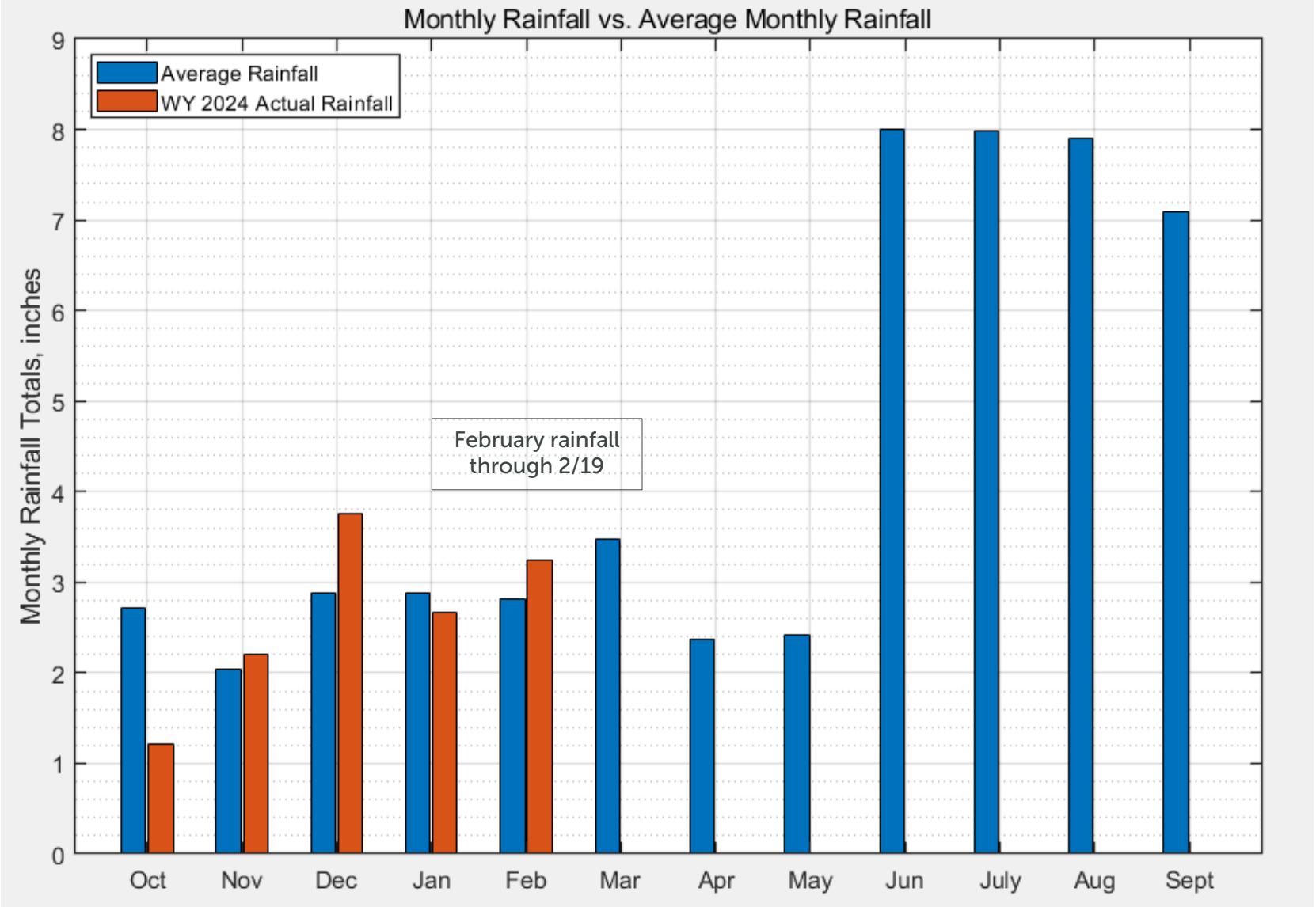






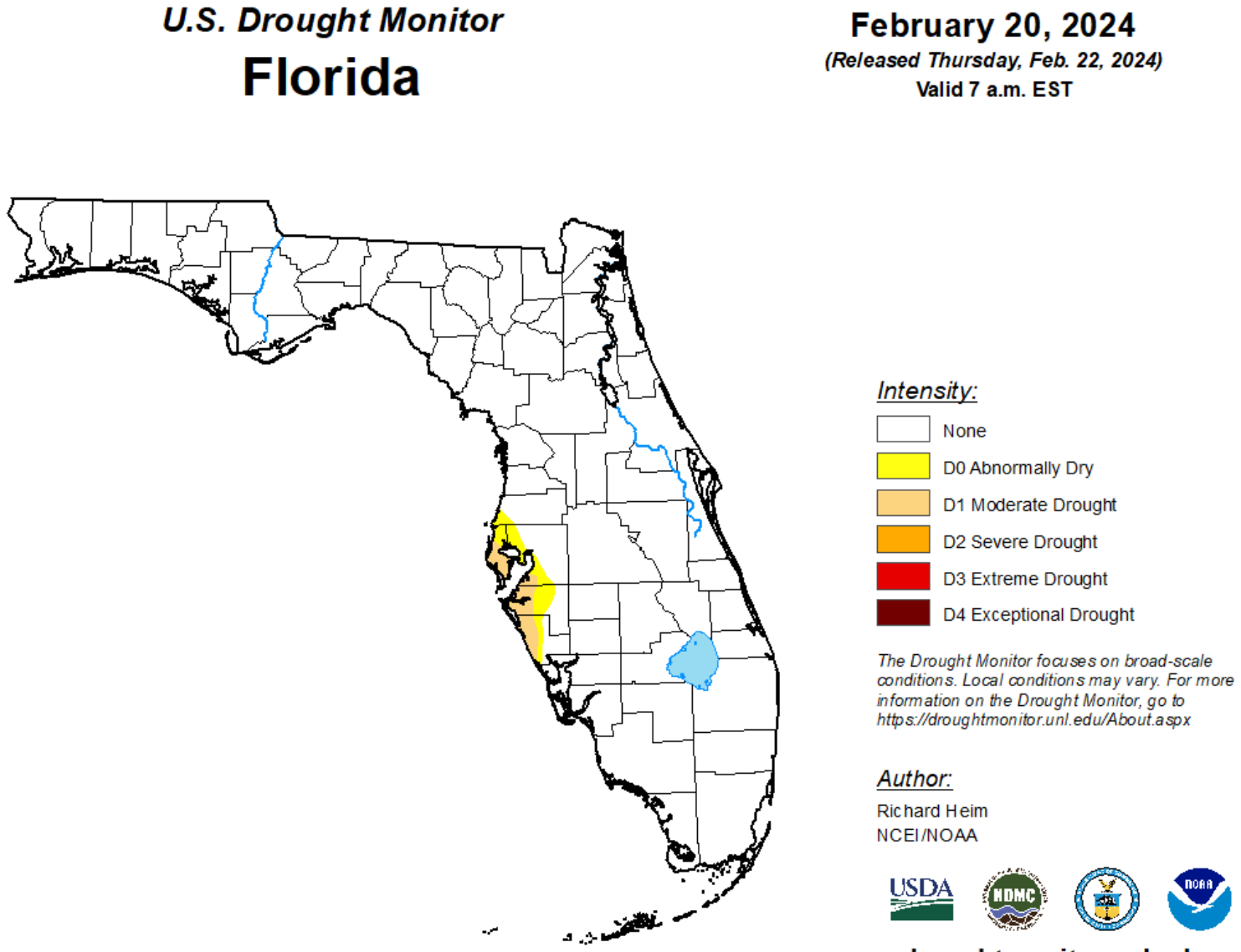
Permit Status, Water Demand, and Current Condition

Regional Rainfall Through Feb. 19



TAMPA BAY WATER
Supplying Water To The Region

US Drought Monitor Map



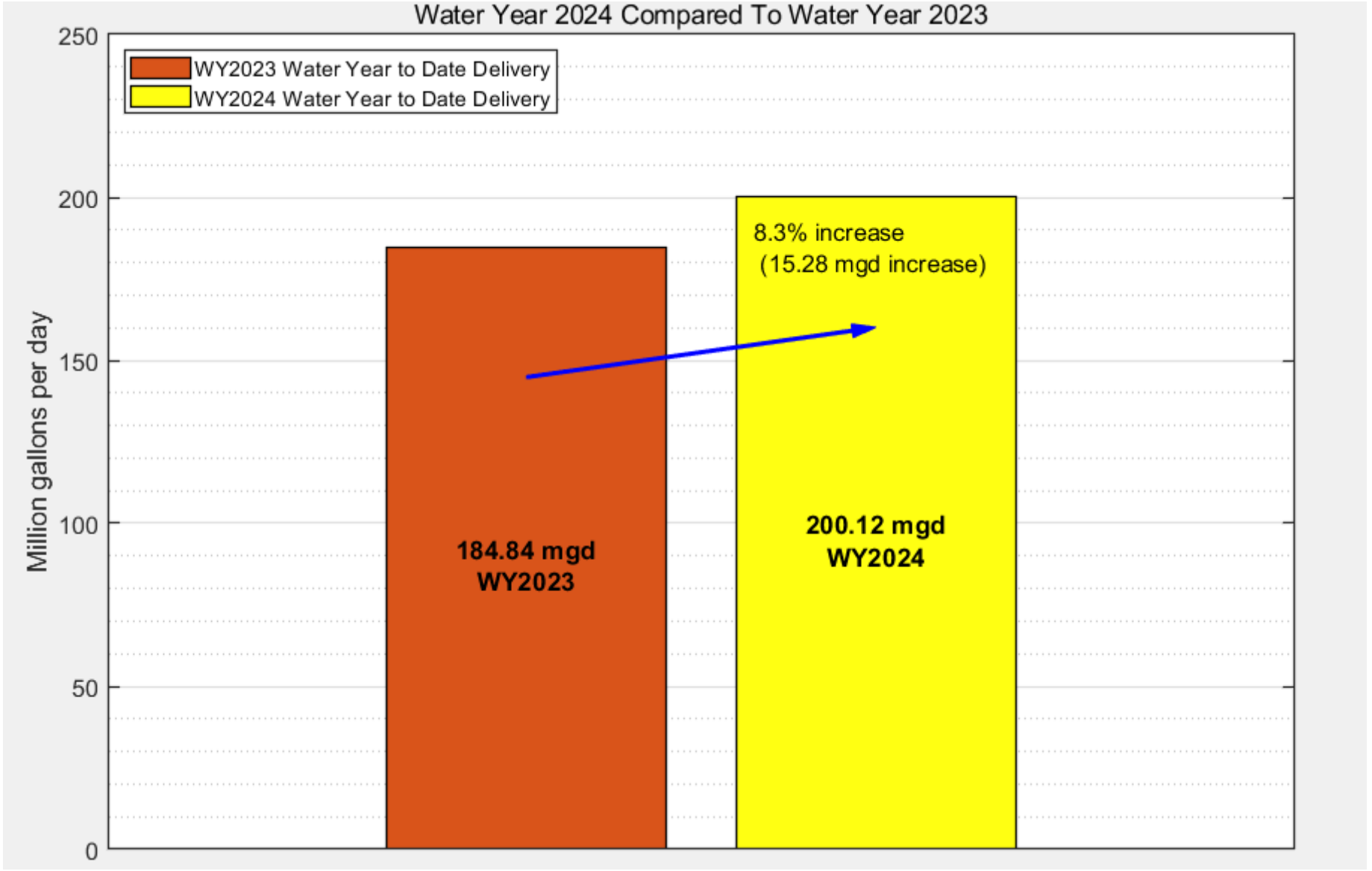
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Water Shortage Indicators Through Jan. 31



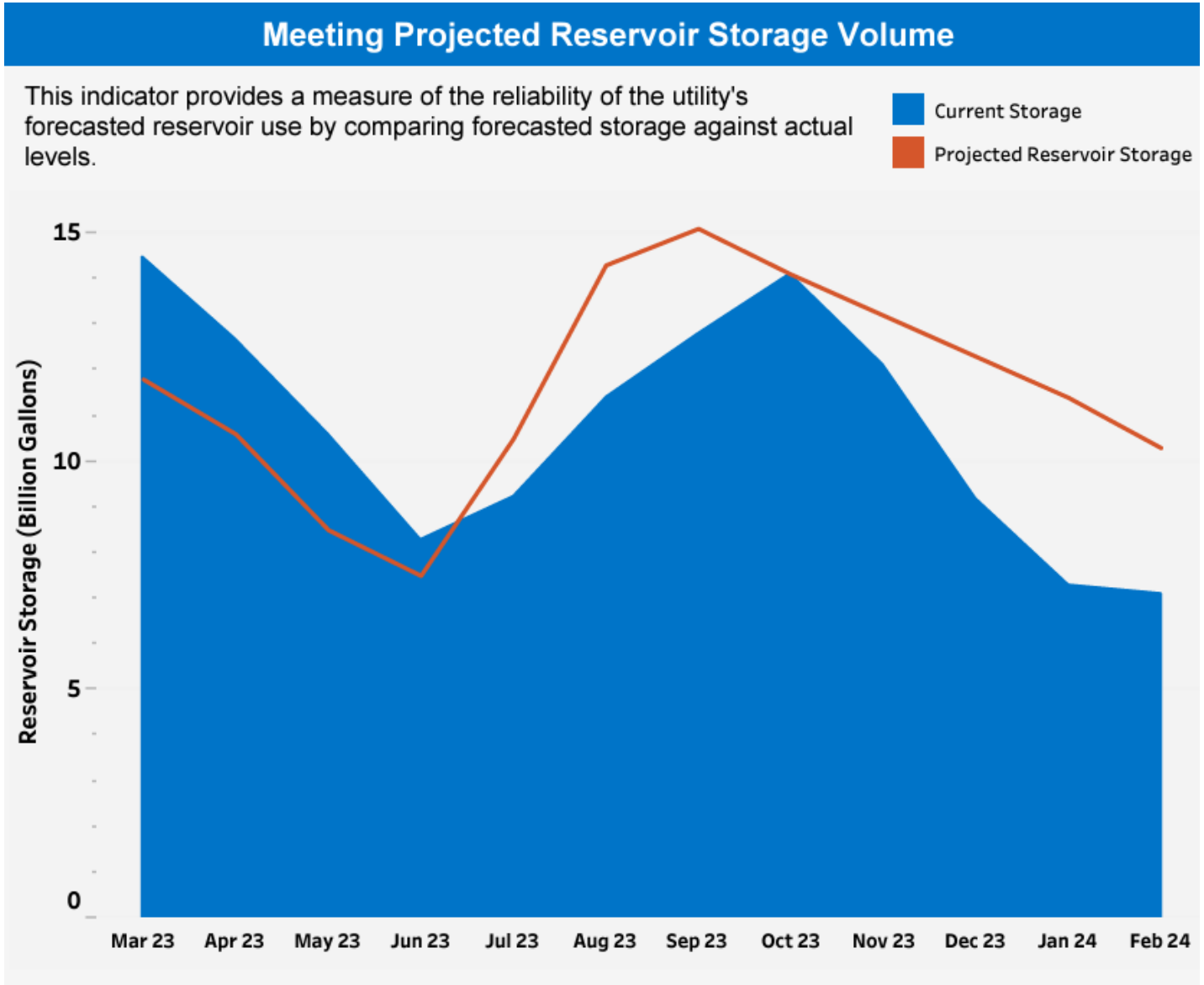
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Water Delivery Through Jan. 31



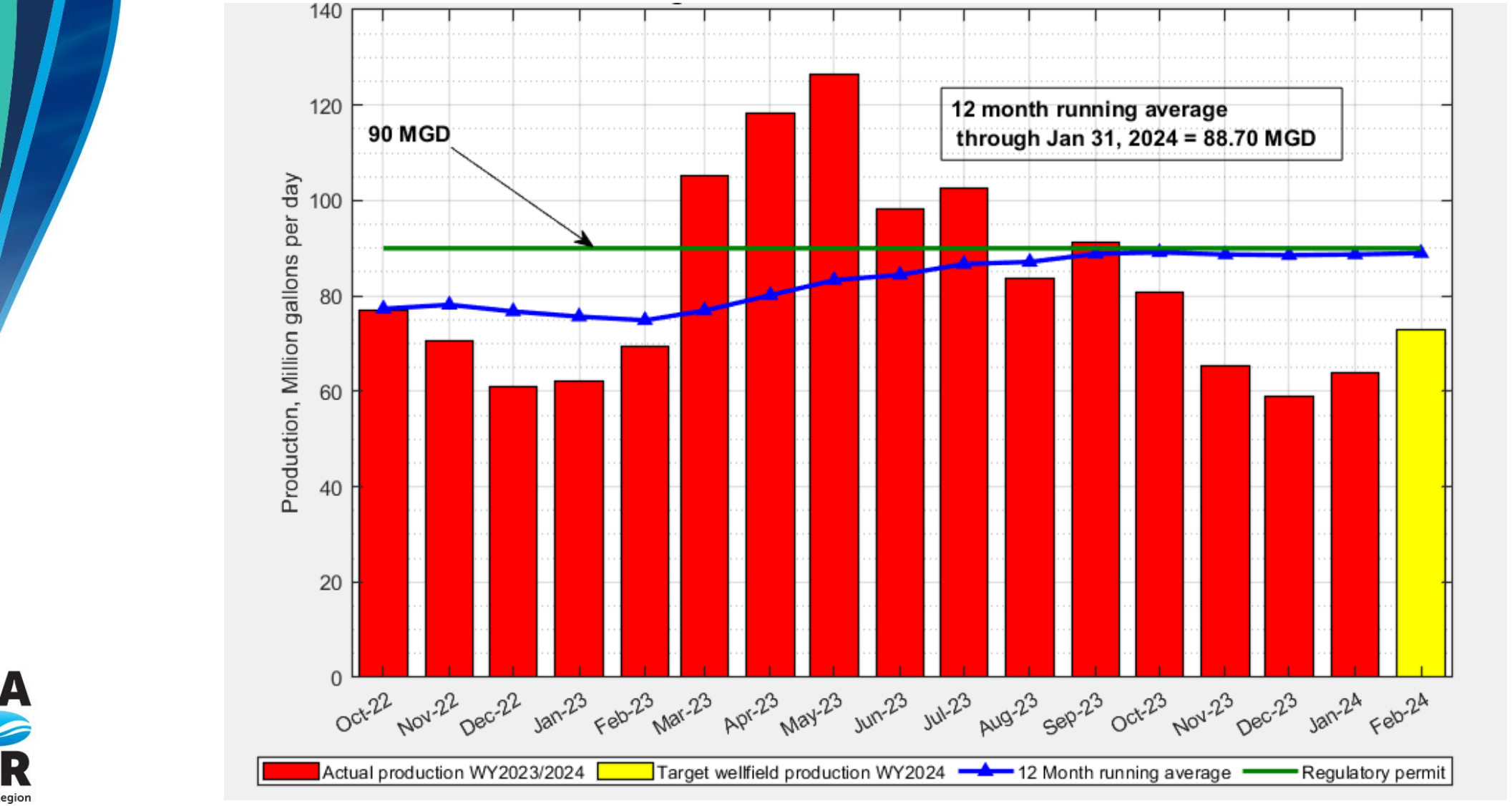
TAMPA BAY WATER
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C.W. Bill Young Regional Reservoir



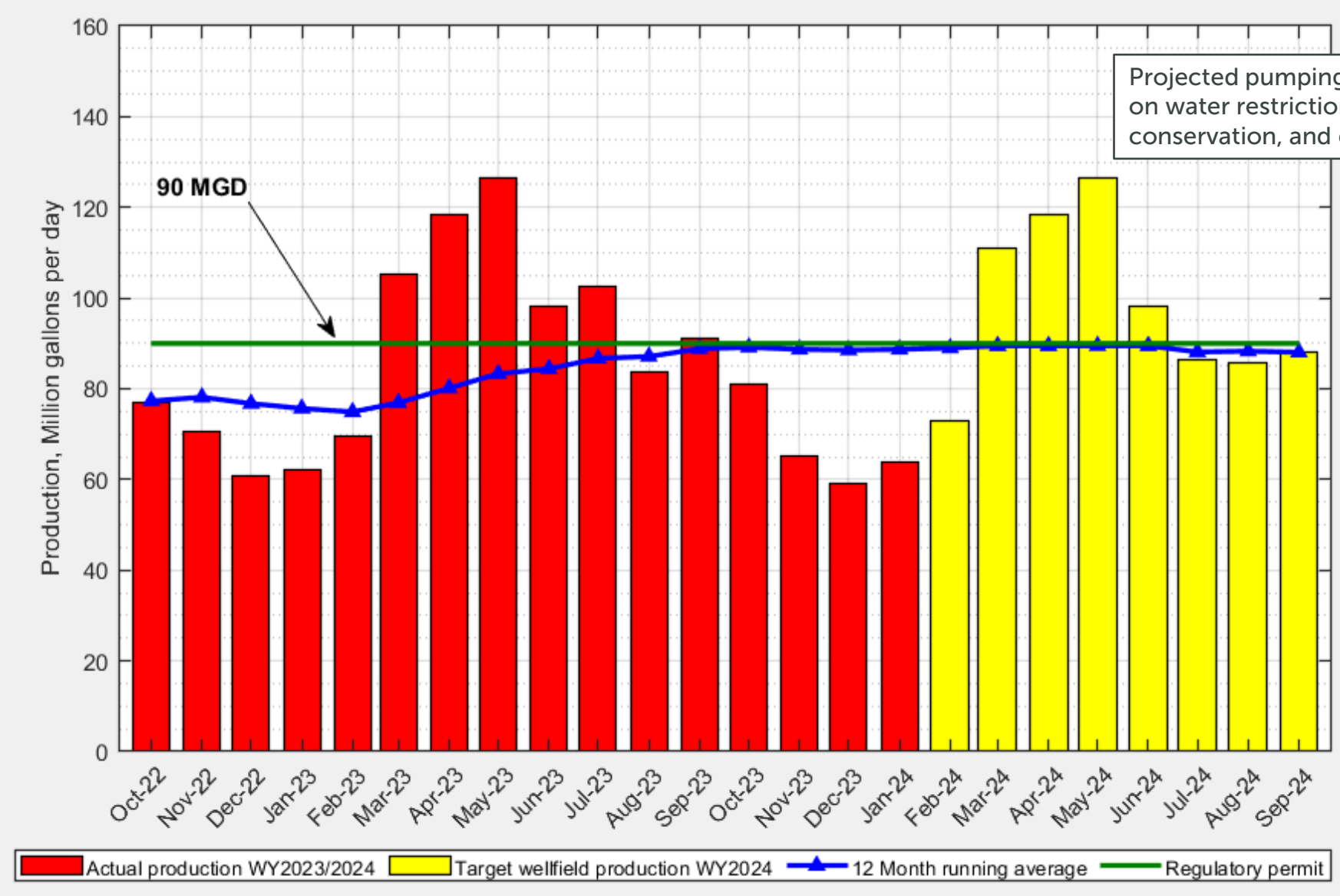
TAMPA BAY WATER
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Consolidated Water Use Permit Wellfields Through Feb. 2024



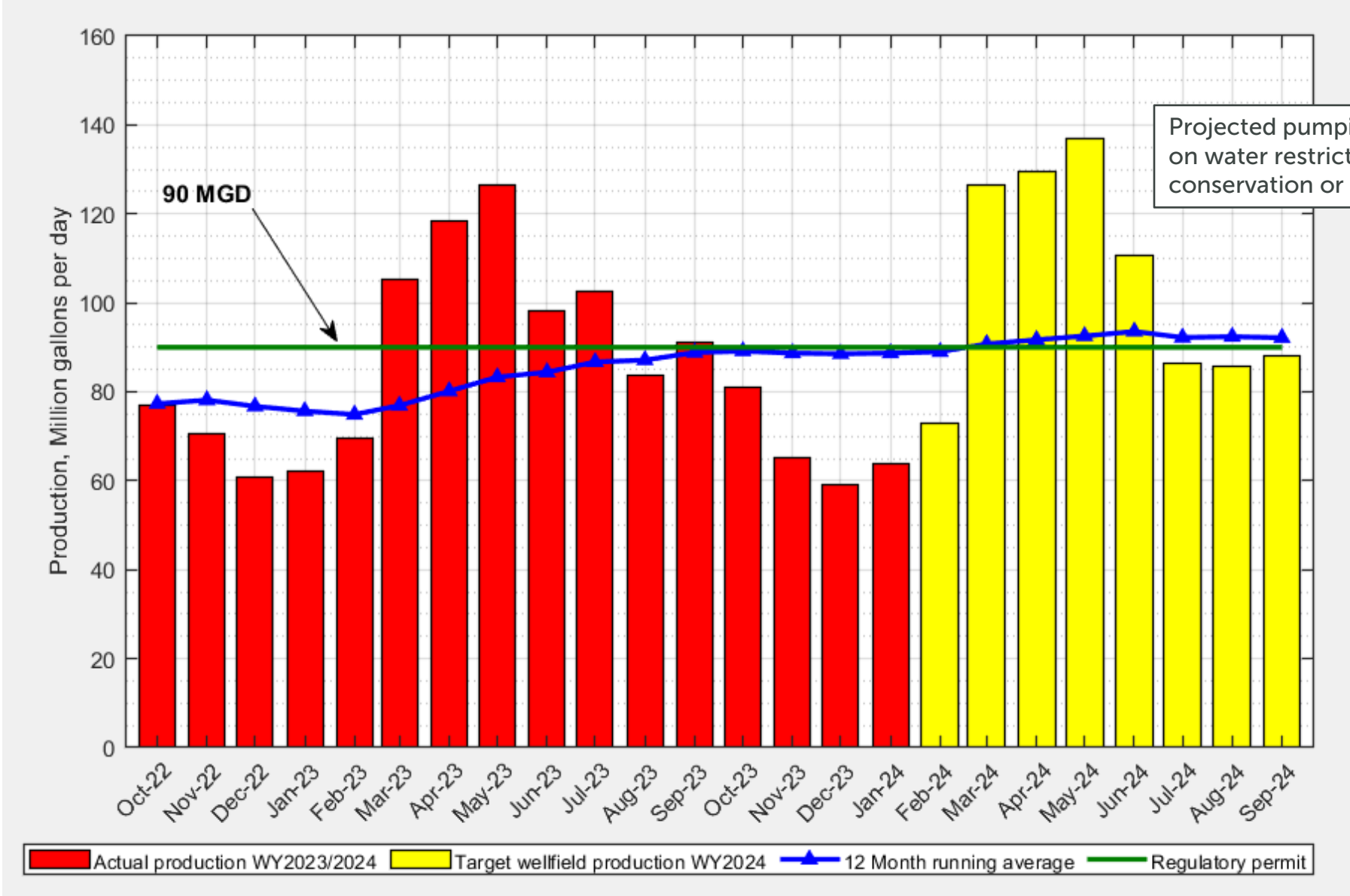
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Consolidated Water Use Permit Wellfields: Regular Rainfall and Conservation



TAMPA BAY WATER
Supplying Water To The Region

Consolidated Water Use Permit Wellfields: Low Rainfall and No Conservation



Projected pumping rates based on water restrictions, with no conservation or enforcement

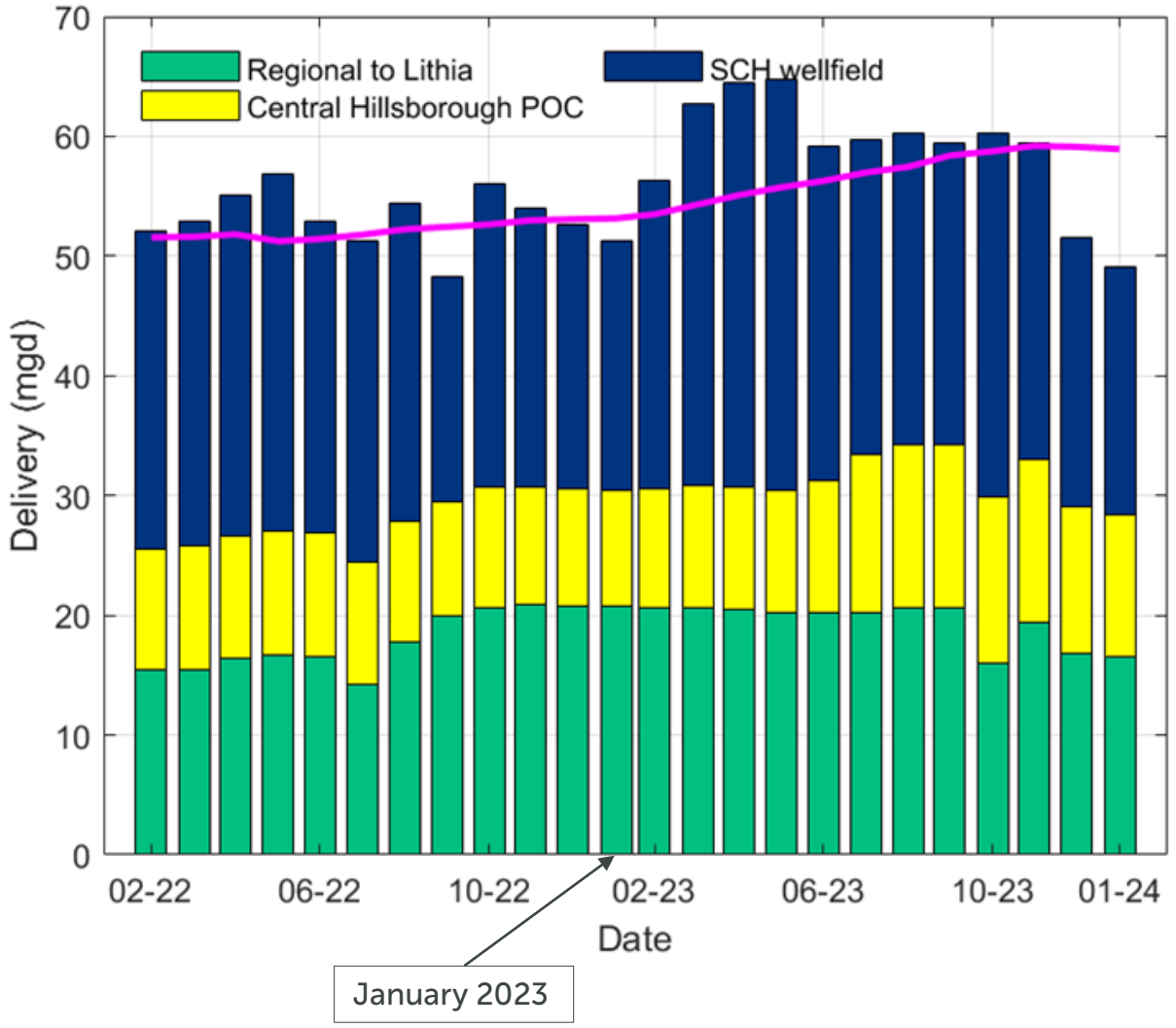
TAMPA BAY WATER
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Expanding Conservation Awareness Campaign



South-Central Hillsborough Program Update

South Hillsborough Demand Increase



Annual average delivery

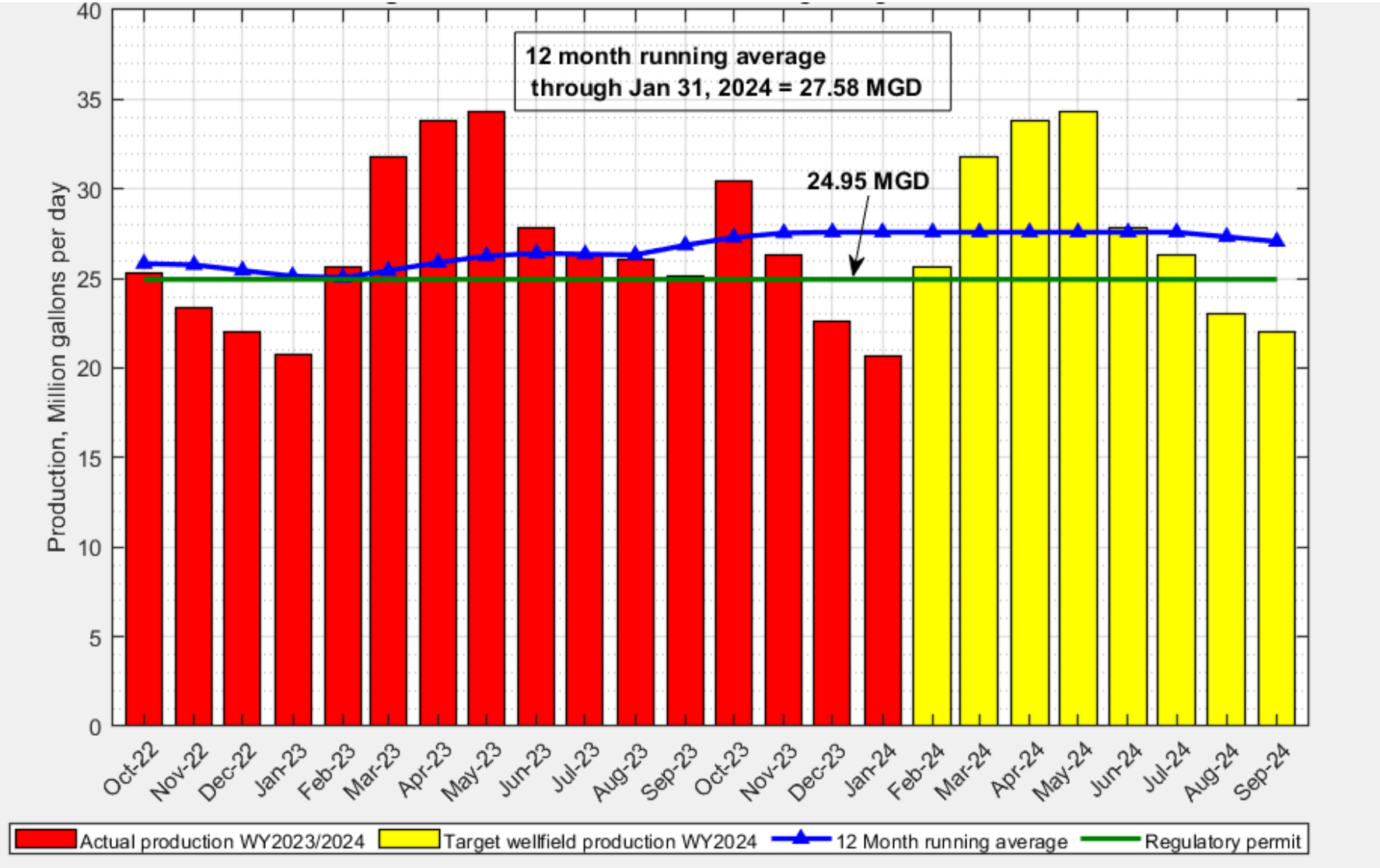
- 58.6 million gallons per day
- 5.4 million gallons per day increase in 12 months

Three points of connection

1. Lithia Water Treatment Plant (Regional)
2. Central Hillsborough
3. South-Central Hillsborough Wellfield

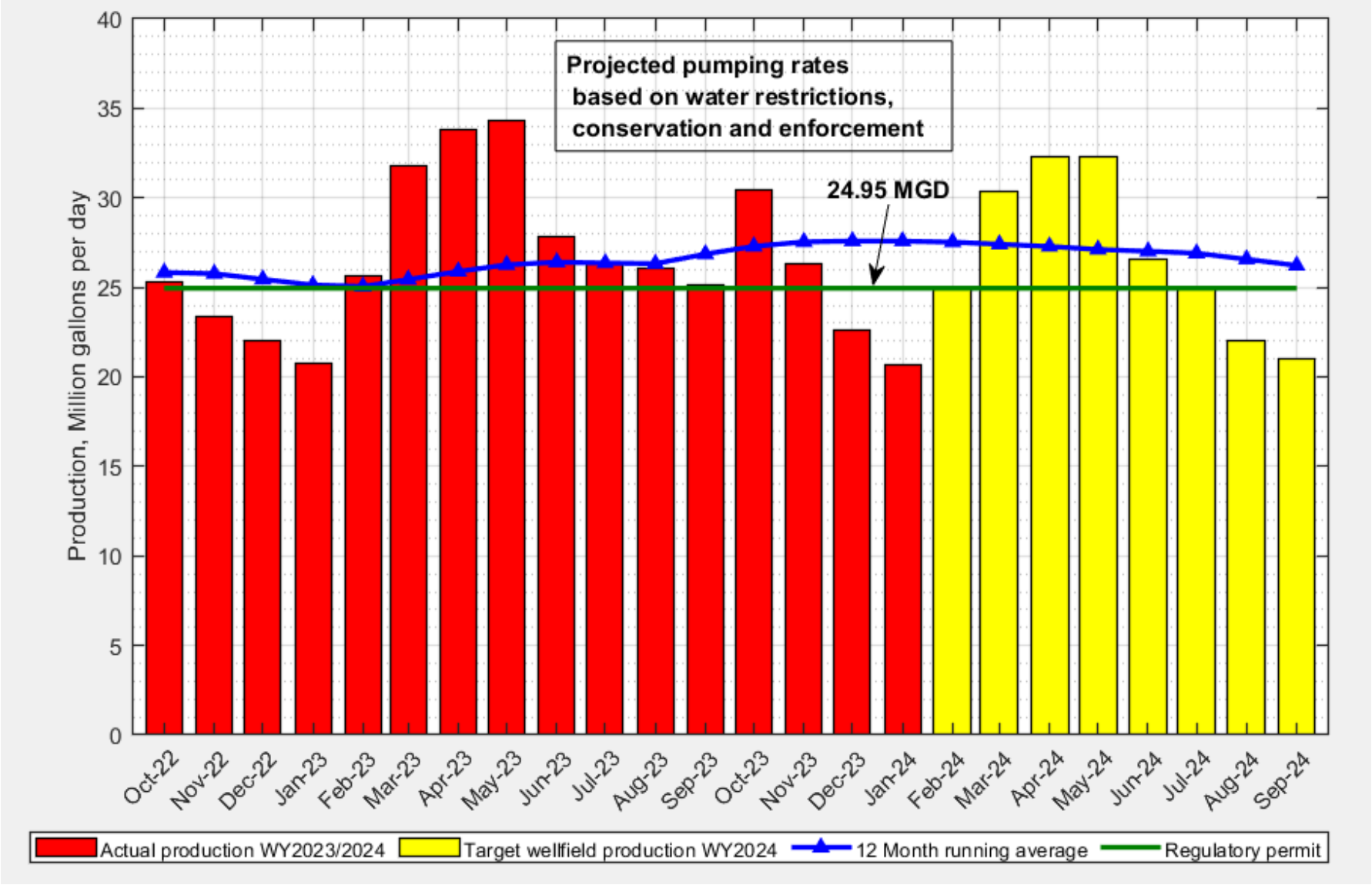
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South-Central Hillsborough Regional Wellfield



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South-Central Hillsborough Regional Wellfield: Additional Conservation and Regional Delivery



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Questions

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM C.1

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Warren Hogg, Chief Science Officer

SUBJECT: South Hillsborough County Water Supply - Agreement for Payment and Water Right Transfer Between Suburban Land Reserve, Inc. and Tampa Bay Water - *Approve*

SUMMARY

Staff have negotiated an agreement with Suburban Land Reserve, Inc., a private property owner in south Hillsborough County, to acquire 590,100 gallons per day of permitted quantity for transfer to Tampa Bay Water's Balm Farm Water Use Permit, also in south Hillsborough County. Part of the property owned by Suburban Land Reserve, Inc. has been sold and will no longer be used for agricultural purposes, making this water available for acquisition by Tampa Bay Water. Combining this new quantity into the existing Balm Farm Water Use Permit will make new water supply capacity available to meet south Hillsborough County demands with the development of the South Hillsborough Wellfield.

SUGGESTED ACTION

Approve the Agreement for Payment and Water Right Transfer Between Suburban Land Reserve, Inc. and Tampa Bay Water in the amount of $1,693,587 plus up to $50,000 in related transaction costs.

COST/FUNDING SOURCE

$1,693,587 plus up to $50,000 in related transaction costs/Utility Reserve Fund

DISCUSSION

Suburban Land Reserve, Inc. owns the Sumner Ellsberry Farm in south Hillsborough County and holds Water Use Permit No. 2000656.013 for agricultural use on the property. A portion of this property has recently been sold and Suburban Land Reserve will reduce their Water Use Permit quantity by 590,100 gallons per day following a reduction in irrigated acreage. Tampa Bay Water staff contacted Suburban Land Reserve in June 2023 to discuss the potential acquisition of this quantity of water proposed for deletion from their permit. Between July 2023 and February 2024, Tampa Bay Water staff and Suburban Land Reserve representatives defined a term sheet for the acquisition of the permitted quantities and with the assistance of Tampa Bay Water's General Counsel, negotiated an Agreement for Payment and Permanently Retired Water Right Transfer between Suburban Land Reserve, Inc. and Tampa Bay Water.

This agreement specifies that 590,100 gpd will be permanently retired from the Suburban Land Reserve permit and will be transferred to Tampa Bay Water's Balm Farm permit (located on the Ag-Mart property) through transferable groundwater credits, subject to approval by the Southwest Florida Water Management District (District). Both permits are located in the Southern Water Use Caution Area (SWUCA); therefore, a transfer of groundwater quantity must provide a net benefit of a 10% increase in groundwater levels which slightly reduces the transferrable permit quantity.

A groundwater modeling analysis indicates that this transfer of groundwater credits will result in an increase of 550,000 gpd annual average quantity to the Balm Farm WUP. This modeling analysis has been discussed with District Regulatory staff and they have concurred with the use of the model and the aquifer parameter data included in the permit application for the Balm Farm WUP modification. This transfer of permitted quantity meets the District's net benefit requirements for the SWUCA. Tampa Bay Water staff have a high degree of confidence that the permit will be issued for approximately 550,000 gpd with the final quantity to be determined during permitting in concert with the District.

The negotiated cost of this acquisition is $1,693,587. This cost is based on the price used by Tampa Bay Water to acquire permitted capacity from the member governments in 1998 and the permitted capacity of the Carrollwood Wells from the Florida Governmental Utility Association (FGUA) in 2004. The cost basis for these prior acquisitions was $2 per gallon of permitted capacity and that cost was adjusted by the annual Consumer Price Index to yield a cost basis of $2.87 per gallon of permitted capacity to be acquired from Suburban Land Reserve. Tampa Bay Water will also reimburse Suburban Land Reserve for documented transaction costs necessary to complete this acquisition and transfer as specified in the agreement. The cap on the reimbursable costs is $50,000, less than the additional costs reimbursed to the FGUA for acquisition of the Carrollwood Wells.

The Agreement specifies that the modification of the Suburban Land Reserve permit and Tampa Bay Water's Balm Farm permit will be processed simultaneously by the Southwest Florida Water Management District. The simultaneous processing will ensure that the permanently retired water right can be used by Tampa Bay Water to increase the annual average quantity of our permit. An application

to modify the Balm Farm Water Use Permit has been developed and is contained in this packet under separate agenda item. The existing permit quantity and this additional quantity will result in a new annual average permit quantity of 775,000 gallons per day.

The Balm Farm permit is authorized on the Ag-Mart property which is the location of the proposed South Hillsborough Wellfield. Staff are currently discussing a long-term aquifer recharge agreement with Hillsborough County to develop this new wellfield; the Balm Farm permit quantities could be added to this new wellfield. This combination would use planned wells and transmission infrastructure, avoiding the need to construct new wells to use the Balm Farm permit quantity. If the South Hillsborough Wellfield is not selected and constructed, the quantities permitted to the Balm Farm permit could be combined with the Water Use Permit at the new production well located immediately north of the Ag-Mart property. This new production well has the capacity to produce both the current permitted quantity of 2.3 mgd and the quantity to be allocated to the Balm Farm permit (0.775 mgd).

The Agreement for Payment and Permanently Retired Water Right Transfer Between Suburban Land Reserve, Inc. and Tampa Bay Water will be approved as to form by Tampa Bay Water's General Counsel and is attached to this agenda item. Staff recommends approval of this agreement.

BACKGROUND

Tampa Bay Water and Hillsborough County have been working to bring additional water supply to the South Hillsborough County service area to meet the growing water demand. Hillsborough County purchased the Ag-Mart property in the Balm area of southern Hillsborough County in late 2021. This property is the proposed site of Tampa Bay Water's South Hillsborough Wellfield, should this project be selected by the Board as a future water supply source. The eastern portion of the property purchased by the Water Resources Division is the site of the new water supply Point of Connection with Tampa Bay Water and a planned, future water treatment campus for Hillsborough County. The western portion was purchased for preservation under the Environmental Lands Acquisition and Protection Program (ELAPP). The South Hillsborough Wellfield could be developed at a quantity of approximately 6.3 mgd using aquifer recharge credits created by Hillsborough County's South Hillsborough Aquifer Recharge Project (SHARP).

Tampa Bay Water and the Hillsborough County ELAPP acquired a Water Use Permit on the former Ag-Mart property by harvesting permitted quantities that the previous land owner could not transfer to their other farm. This Balm Farm Water Use Permit (WUP) No. 20021046.000 was issued on July 21, 2022 for an average annual quantity of 250,000 gallons per day (gpd).

Attachments (1)

Permanently Retire Water Right Transfer Agreement (SLR signed)
C.1 Agreement for Payment and Water Right Transfer with SLR Presentation

AGREEMENT FOR PAYMENT AND PERMANENTLY RETIRED

WATER RIGHT TRANSFER

BETWEEN

SUBURBAN LAND RESERVE, INC.

AND

TAMPA BAY WATER

This **AGREEMENT FOR PAYMENT AND PERMANENTLY RETIRED WATER RIGHT TRANSFER BETWEEN SUBURBAN LAND RESERVE, INC., AND TAMPA BAY WATER** ("Agreement") is made and entered into as of this _____ day of _____, 2024, by and between Suburban Land Reserve, Inc. ("SLR"), a corporation of the State of Utah whose address for purposes of this Agreement is 51 S. Main Street, Suite 301, Salt Lake City, Utah 84111, and Tampa Bay Water, a Regional Water Supply Authority, an interlocal governmental entity of the State of Florida created and existing pursuant to Sections 163.01, 373.713 and 373.715, Florida Statutes, acting by and through its Board of Directors, the governing board thereof, whose address is 2575 Enterprise Road, Clearwater, FL 33763.

WITNESSETH:

WHEREAS, SLR holds a water use permit (WUP) for its agricultural project known as the Sumner/Ellsberry Parcels Project ("the SLR Project") located in Hillsborough County, Florida; and

WHEREAS, the SLR Project historically used groundwater from the Upper Floridan Aquifer since April 2, 1992, and SLR was most recently issued a WUP letter modification, Water Use Permit No 20000656.013, by the Southwest Florida Water Management District ("SWFWMD") on March 16, 2016, for continued groundwater use at the SLR Project; and

WHEREAS, a portion of the land area within the SLR Project is transitioning from agricultural to urban land use resulting in the anticipated, permanent retirement of 590,100 GPD

out of the SLR Project's total permitted annual average groundwater allocation of 939,800 GPD; and

WHEREAS, SLR will continue use of its remaining permitted annual average allocation of 349,700 GPD for agricultural purposes on the SLR Project; and

WHEREAS, the SLR Project is located in the Most Impacted Area of the Southern Water Use Caution Area as designated by SWFWMD where proposed new or increased groundwater withdrawals are severely constrained by regulatory criteria; and

WHEREAS, through its member governments, Tampa Bay Water provides public water supply to more than 2.5 million people in Hillsborough, Pasco, and Pinellas counties and Tampa Bay Water currently has and anticipates sustained population growth and associated water demand increase in the coming years; and

WHEREAS, Tampa Bay Water intends to operate a groundwater wellfield to be located at the Balm Farm Wellfield (Balm Farm Wellfield) that is currently authorized to withdraw 250,000 GPD under SWFWMD Water Use Permit No. 21046.000; and

WHEREAS, to serve its member governments, Tampa Bay Water has a need at its Balm Farm Wellfield for the SLR Project's anticipated, permanently retired groundwater allocation; and

WHEREAS, the parties have agreed to pursue a process whereby Tampa Bay Water would acquire a portion of the SLR Project Water Use Permit groundwater allocation as the agricultural use at the SLR Project transitions to urban land use; and

WHEREAS, Tampa Bay Water has offered to pay SLR to permanently retire 590,100 GPD of the SLR Project Water Use Permit (Permanently Retired Water Right) and allow Tampa Bay Water to use this permanently retired volume to satisfy SWFWMD's Net Benefit permit application criteria to increase Tampa Bay Water's Balm Farm Wellfield allocation and to pay SLR for the Permanently Retired Water Right according to the terms of this Agreement and for up to $50,000 of SLR's related Transaction Costs; and

WHEREAS, the Parties recognize the specific procedures stated herein must occur to modify each Party's WUP and transfer the agreed upon payment;

NOW THEREFORE, in consideration of the premises set forth above and the covenants, obligations, duties and benefits herein set forth, and other valuable consideration, the receipt and sufficiency of which are hereby conclusively acknowledged, the Parties hereto agree as follows:

ARTICLE I – DEFINITIONS

As used in this Agreement, the following terms shall have the following meanings, unless the context hereof otherwise requires.

"Agreement" means this Agreement for Payment and Water Right Transfer, including any exhibits, amendments, and supplements hereto executed and delivered in accordance with the terms hereof.

"Business Day" means any day, except any Saturday, any Sunday, or any holiday observed by the State of Florida pursuant to section 110.117, Florida Statutes.

"Effective Date" means the date indicated above on the first page of this Agreement.

"Final Agency Action" means a decision by SWFWMD on either the application involving the Tampa Bay Water WUP or the SLR WUP, or both, for which the time frames to challenge or appeal such decision under Chapter 120, Florida Statutes, have expired and the decision can no longer be subject to an administrative or legal challenge.

"GPD" means a water flow rate measured as gallons per day.

"Most Impacted Area" means that area depicted in rule 40D-2.801(3)(b), Florida Administrative Code.

"Net Benefit" means the same as stated in the SWFWMD Water Use Permit Applicant's Handbook at Criterion 3.9.2.6.2.2.4, dated September 2015, revised January 2022.

"Notice of Agency Action" means a written or electronic notice from SWFWMD that SWFWMD has acted on either the Tampa Bay Water WUP or the SLR WUP in response to the respective applications required by this Agreement but for which the deadline for filing an administrative or legal challenge under Chapter 120, Florida Statutes, has not yet expired.

"Notice of Intended Agency Action" means a written or electronic notice from SWFWMD that SWFWMD intends to take action on either the Tampa Bay Water WUP or the SLR WUP in response to the respective applications required by this Agreement.

"Parties" means Suburban Land Reserve, Inc., referred to as SLR, and Tampa Bay Water.

"Permanent Retired Withdrawal Points" means those groundwater wells identified in the SLR Project Water Use Permit that SLR has identified as being permanently discontinued from use as part of the transaction governed by this Agreement.

"Reimbursement Cap" means $50,000 being the maximum amount Tampa Bay Water will reimburse SLR for documented Transaction Costs.

"SLR Project" means SLR's Sumner/Ellsberry Farm located in Hillsborough County, Florida and allocated groundwater from the Upper Floridan Aquifer by SWFWMD pursuant to Water Use Permit No. 20000656.013.

"SLR Project Water Use Permit" or "SLR WUP" means the Water Use Permit No. 20000656.013 issued by the SWFWMD authorizing groundwater withdrawal from the Upper Floridan Aquifer at the identified withdrawal points.

"SLR" means Suburban Land Reserve, Inc.

"Southern Water Use Caution Area" means that area of that name described in rule 40D-2.801(3)(b), Florida Administrative Code.

"SWFWMD" means the Southwest Florida Water Management District.

"SWFWMD RAI" means a request for additional information issued by SWFWMD.

"Tampa Bay Water" means Tampa Bay Water, a Regional Water Supply Authority.

"Tampa Bay Water WUP" means SWFWMD Water Use Permit No. 21046 for Tampa Bay Water's Balm Farm Wellfield.

"Transaction Costs" means those reasonable, documented, and necessary costs, fees and expenses incurred by SLR to negotiate and effectuate this Agreement, including such costs, fees, and expenses as permit application fees, engineering fees, consulting fees, legal fees, publication of notice fees, and travel expenses.

"Permanently Retired Water Right" means SLR's permanent retirement of 590,100 GPD of allocation from the current allocation of groundwater authorized by the SLR WUP.

"Permanently Retired Water Right Transfer Payment" means Tampa Bay Water's payment of One Million Six Hundred Ninety-Three Thousand Five Hundred Eighty-Seven Dollars ($1,693,587.00) to SLR for the Permanently Retired Water Right in accordance with the terms of this Agreement.

"WUP" means a water use permit issued by SWFWMD pursuant to the authority granted by Chapter 373, Florida Statutes, to regulate and permit water use.

ARTICLE II –PROCESS FOR TRANSFER OF PERMANENTLY RETIRED GROUNDWATER WITHDRAWAL RIGHT

A. Tampa Bay Water Host Member Government Arbitration – Tampa Bay Water's Amended and Restated Interlocal Agreement provides any Host Member Government has the right to arbitrate any WUP application prior to its submittal to the SWFWMD. A Host Member Government's decision to arbitrate or not is limited to the 30 days following the approval of a WUP application by the Tampa Bay Water Board. If the Host Member Government(s) waives arbitration within that 30-day time period, Tampa Bay Water may proceed with its WUP application described in this Agreement without waiting the full 30 days. If a Host Member Government elects to arbitrate, Tampa Bay Water must wait 90 days following approval by the Tampa Bay Water Board before proceeding with its WUP application submittal. Tampa Bay Water will notify SLR in writing within 5 business days of a Tampa Bay Water Host Member Government's decision on whether to elect to arbitrate Tampa Bay Water's WUP No. 21046 modification application. If arbitration is elected, Tampa Bay Water will send written notification to SLR of the results of the arbitration within 5 business days of the conclusion of the arbitration process. Tampa Bay Water's notice to SLR regarding the conclusion of arbitration shall describe whether such arbitration has resulted in a material change to Tampa Bay Water's WUP application such that Tampa Bay Water can no longer complete the terms of this Agreement.

B. Applying to Modify SLR WUP - On or prior to March 29, 2024, (unless arbitration is elected by a Tampa Bay Water Host Member Government on Tampa Bay Water's WUP No. 21046 modification application in which case this date shall be extended to 2 business days after Tampa Bay Water notifies SLR of the conclusion of such arbitration without a material change as described above), SLR will file and pursue to Final Agency Action (whatever that may be) an application with SWFWMD to modify Water Use Permit No. 20000656.013 ("SLR Project Water Use Permit" or "SLR WUP") to reduce the current permitted quantity from 939,800 GPD to 349,700 GPD, a reduction of 590,100 GPD. In this application, SLR will identify the location of the Permanently Retired Withdrawal Points. SLR's application will be conditioned on SWFWMD allowing such permanently terminated water right to be used exclusively by Tampa Bay Water for its application to modify the Tampa Bay Water WUP (including providing a Net Benefit as required by SWFWMD). Notwithstanding the foregoing, if at any time in SLR's sole judgment it becomes apparent the Final Agency Action will result in denial of the modified water use permits as contemplated in this Agreement requiring the Permanently Retired Water Right to be used exclusively by Tampa Bay Water for its application to modify the Tampa Bay Water WUP, then subject to applicable regulations and legal requirements, SLR may elect in its sole discretion to withdraw its application.

C. SLR RAI Responses - Upon SWFWMD request, SLR shall provide SWFWMD with information reasonably available to SLR which may exist and is not contained in the SWFWMD SLR WUP file demonstrating historically used quantity associated with the SLR WUP.

D. Applying to Modify Tampa Bay Water WUP - On or prior to March 29, 2024, (unless arbitration is elected by a Tampa Bay Water Host Member Government on Tampa Bay Water's WUP No. 21046 modification application in which case this date shall be extended to 2 business days after Tampa Bay Water notifies SLR of the conclusion of such arbitration without a material change as described above), Tampa Bay Water will file and pursue to Final Agency Action (whatever that may be) an application with SWFWMD to modify the Tampa Bay Water WUP to increase the current permitted quantity by approximately 500,000 GPD, with the final quantity to be determined by

the SWFWMD during permitting. If at any time in Tampa Bay Water's sole judgment it becomes apparent the Final Agency Action will result in denial of the modified water use permits as contemplated in this Agreement requiring the Water Right to be used exclusively by Tampa Bay Water for its application to modify the Tampa Bay Water WUP, then subject to applicable regulations and legal requirements, Tampa Bay Water may elect in its sole discretion to withdraw its application.

E. Processing Applications Contemporaneously - SLR and Tampa Bay Water shall use all commercially reasonable efforts to process the above referenced applications with SWFWMD contemporaneously such that SWFWMD is able to reduce to the SLR WUP and to increase the Tampa Bay Water WUP simultaneously. As part of these efforts, the Parties agree to respond to any SWFWMD request for additional information as expeditiously as possible and that, if necessary, each Party agrees it will waive the permitting procedural timeclocks to ensure SWFWMD agency action on the SLR WUP and the Tampa Bay Water WUP applications occur on the same day.

F. Use of Net Benefit –

1. To accomplish the Permanently Retired Water Right transfer outlined in this Agreement, the Parties recognize Tampa Bay Water will propose to SWFWMD a form of Net Benefit known as mitigation plus recovery which involves determinations made by SWFWMD per the SWFWMD Water Use Applicant's Handbook Criterion 3.9.2.6.2.2.4.
2. The Parties further recognize SWFWMD will implement Water Use Applicant Handbook's Criterion 3.9.2.6.2.2.4 regarding calculation of a New Benefit to offset the predicted impact of Tampa Bay Water's proposed increased Upper Floridan Aquifer groundwater allocation and also provide an additional positive effect on the Upper Floridan Aquifer equal to or exceeding 10% of Tampa Bay Water's proposed predicted impact. SWFWMD will separately calculate the SLR Project's used quantities in accordance with Criterion 3.9.2.6.2.2.4(A), and this information will be used to provide reasonable assurance that implementation of this proposed Net Benefit can mitigate the predicted impact of Tampa Bay Water's proposed, increased withdrawal and provide the required additional positive effect on the Upper Floridan Aquifer

G. Tampa Bay Water Information Responsibility - Tampa Bay Water shall conduct and provide to SWFWMD all groundwater flow modeling and other information needed to demonstrate compliance with the aforementioned regulatory criteria to obtain the requested increase in allocation for the Tampa Bay Water WUP. SLR has no obligation to develop, compile, submit or provide any information to Tampa Bay Water or to SWFWMD needed to support the above referenced increase to the Tampa Bay Water WUP other than as described above in this Agreement.

H. Application Statement - Each Party agrees to include the following statement in their respective applications to modify the SLR WUP and the Tampa Bay Water WUP:

> This water use permit modification application is submitted prior to or on the same day as the related application to modify water use permit [21046 for Tampa Bay Water/20000656.013 for SLR] and is in accordance with a potential agriculture to urban land use transition addressed in an agreement between Suburban Land Reserve (SLR) and Tampa Bay Water dated _____. SLR and Tampa Bay Water request the Southwest Florida Water Management District (SWFWMD) provide copies of any SWFWMD correspondence concerning either application to both SLR and Tampa Bay Water permit application agents or identified representatives. SLR's application to modify water use permit 20000656.013 contemplates SLR will permanently terminate 590,100 GPD of its average annual allocation, but only if such permanently terminated water right is authorized by SWFWMD to be used exclusively by Tampa Bay Water for its application to modify permit No. 21046 to satisfy SWFWMD's Water Use Permit Applicant's Handbook Net Benefit criterion 3.9.2.6.2.2.4. For this reason, SLR and Tampa Bay Water request SWFWMD to jointly and simultaneously process these water use permit modification applications, to the greatest extent possible, and request SWFWMD take agency action on these permit modification applications on the same day.

I. Application Copies - Each Party will provide to the other Party a copy of all of application and other information submitted to or received from SWFWMD in support of, or related to, that Party's respective water use permit application required by this Agreement. Said copies must be provided no later than one business day after being submitted to or received from SWFWMD. The Parties may transmit these copies electronically.

J. Publishing Notice of Agency Action - As soon as practicable but no later than 7 business days after receiving a Notice of Agency Action or a Notice of Intended Agency Action from SWFWMD regarding each Party's respective WUP application,

each Party shall publish Notice of SWFWMD's Agency Action or Intended Agency Action in a newspaper of general circulation in Hillsborough County, Florida in conformance with the draft Notice of Agency Action form attached as Exhibit A and provide a copy of the affidavit of publication provided by the newspaper to the other Party and to SWFWMD. Notwithstanding the foregoing, the Parties shall coordinate with each other and use reasonably commercial efforts to publish the Notice of Agency Action or Notice of Intended Agency Action regarding their respective water use permit application on the same business day.

K. No Legal Challenge - Neither Party shall oppose, legally challenge, or support any legal challenge against any proposed or Final Agency Action or legal instrument with regard to the subject WUP modification applications as long as these applications abide by this Agreement.

L. Third Party Challenge - If SWFWMD's Agency Action or Intended Agency Action to modify the Tampa Bay Water WUP to effectuate this Agreement is administratively or legally challenged by a third party, Tampa Bay Water shall bear the sole responsibility and cost of defending that administrative or legal challenge. Tampa Bay Water may request SLR's assistance in defending any such administrative or legal challenge, but the Parties must amend this Agreement to increase the Reimbursement Cap sufficient to cover SLR's costs of participating in such defense as additional reimbursable Transaction Costs.

ARTICLE III – PAYMENT FOR PERMANENTLY RETIRED WATER RIGHT TRANSFER AND RELATED TRANSACTION COSTS

A. Payment for the Permanently Retired Water Right Transfer– Within 3 Business Days after the Effective Date of this Agreement, SLR will designate an account to receive the Permanently Retired Water Right Transfer Payment and notify Tampa Bay Water in writing (which may be by electronic communication) of the same. Within 2 Business Days after receipt of SWFWMD's Final Agency Action modifying the Tampa Bay Water WUP by increasing the withdrawal allocation as specified in this Agreement, Tampa Bay Water shall transfer the full Permanently Retired Water Right Transfer Payment ($1,693,587) to this SLR designated accountant. Tampa Bay Water shall pay this amount regardless of

whether SWFWMD increases the groundwater allocation of the Tampa Bay Water WUP by approximately 500,000 GPD or by some lesser quantity.

B. Invoicing and Payment of SLR's Transfer Costs –

1. *Initial Cost Invoice* - Within 7 Business Days after receipt of SWFWMD's Notice of Intended Agency Action or Agency Action on the Tampa Bay Water WUP, SLR shall provide Tampa Bay Water with an Initial Cost Invoice of all Transaction Costs including documentation of such costs from the vendor/service provider.
2. *Final Cost Invoice* – Within 7 Business Days after Final Agency Action on the Tampa Bay Water WUP, SLR shall provide Tampa Bay Water with a Final Cost Invoice of all Transaction Costs not included on the Initial Cost Invoice including documentation of such costs. If SLR has no Transaction Costs beyond those on the Initial Cost Invoice, the Final Cost Invoice shall so indicate. Within 60 Business Days after receiving SLR's Final Cost Invoice, Tampa Bay Water shall transfer the total amount specified on that Invoice and the Initial Cost Invoice to the account designated by SLR to receive the Permanently Retired Water Right Transfer Payment.
3. *Resolution of Transaction Cost Disputes* – If Tampa Bay Water disputes any of SLR's Initial or Final Cost Invoice amounts, then Tampa Bay Water shall transfer the undisputed amount to the account SLR designates to receive the Permanently Retired Water Right Transfer Payment. For the disputed amount, Tampa Bay Water shall notify SLR within 10 Business Days after receipt of the Initial or Final Cost Invoice of the disputed amount and the basis for the dispute. Failure to provide such notice shall constitute a waiver of any dispute over the Initial or Final Cost Invoice. The resolution of such a dispute shall be through the process set forth in Section VI. D. of this Agreement.
4. *Maximum Transfer Costs Payment* – Notwithstanding the amounts shown on the Initial or Final Cost Invoices from SLR, Tampa Bay Water shall not be obligated to pay SLR more than the Reimbursement Cap for Transaction Costs.

ARTICLE IV – REPRESENTATIONS

A. Representations of SLR:

1. SLR enters into this Agreement under the authority of its corporate charter.

2. Subject to the requirements and procedures of the SWFWMD and other legal requirements, SLR has the power, authority, and legal right to enter into and perform its obligations under this Agreement. The execution, delivery, and performance of this Agreement by SLR has been duly authorized by the Board of Directors of SLR.
3. The individuals signing this Agreement and all documents required to implement this Agreement on behalf of SLR have been duly authorized to do so and have the legal capacity and authority to execute and deliver the same.
4. To SLR's knowledge, this Agreement, when duly executed and delivered by SLR constitutes the legal, valid and binding obligation of SLR and is fully enforceable in accordance with its terms, except to the extent the enforceability of this Agreement may be limited by (a) any applicable bankruptcy, insolvency, reorganization, moratorium, or similar affecting the enforcement of creditors' rights generally, or (b) the exercise of judicial discretion in accordance with general principles of equity.

B. Representations of Tampa Bay Water:

1. Tampa Bay Water enters into this Agreement under the authority of its 1998 Amended and Restated Interlocal Agreement.
2. Tampa Bay Water has the power, authority, and legal right to enter into and perform its obligations under this Agreement. The execution, delivery, and performance of this Agreement by it have been duly authorized by the Board of Directors of Tampa Bay Water.
3. To the knowledge of Tampa Bay Water, this Agreement is in accordance with SWFWMD's criteria for net benefit water use retirement and transfer in the Southern Water Use Caution Area.
4. The individuals signing this Agreement and all documents required to implement this Agreement on behalf of Tampa Bay Water have been duly authorized to do so and have the legal capacity and authority to execute and deliver the same.
5. This Agreement, when duly executed and delivered by Tampa Bay Water, constitutes the legal, valid and binding obligation of Tampa Bay Water and is fully enforceable in accordance with its terms, except to the extent the enforceability of this Agreement may be limited by (i) any applicable bankruptcy, insolvency, reorganization,

moratorium, or similar laws affecting the enforcement of creditors' rights generally, or (ii) the exercise of judicial discretion in accordance with general principles of equity.

6. Except as to SWFWMD approval as described herein and the arbitration process described above, to the knowledge of Tampa Bay Water, no other governmental approvals, public hearings, or approvals by any other person or entity are required to be obtained, or other conditions precedent satisfied, and no reports, notices or filings with any governmental authority are required to be made by Tampa Bay Water for the approval, execution, and delivery of this Agreement,

ARTICLE V – EFFECTIVE DATE AND TERM

A. Time of the Essence - The Parties agree that time is of the essence in the performance of each obligation under this Agreement, including any time extension.

B. Agreement Term - The term of this Agreement commences on its Effective Date and shall remain in effect until all of the following have occurred:

1. Final Agency Action on the SLR WUP modification and the Tampa Bay Water WUP modification described in this Agreement, or SLR's or Tampa Bay Water's withdrawal of their respective WUP applications as permitted in this Agreement.

2. Full payment of the Permanently Retired Water Right Transfer Payment amount to SLR.

3. Full payment of the total Transaction Cost amount (including resolution of all disputed Transaction Cost amounts) to SLR.

C. Termination – This Agreement shall terminate if SWFWMD denies the SLR WUP modification application or the Tampa Bay Water WUP modification application referenced herein such that transfer of the Water Right cannot occur, or SLR withdraws its application to modify the SLR WUP as permitted in this Agreement, or Tampa Bay Water withdraws its application to modify the Tampa Bay Water WUP as permitted in this Agreement. This Agreement remains in effect and all payment amounts remain due and unchanged if SWFWMD issues a Final Agency Action approving the Tampa Bay Water WUP modification for a quantity less than the estimated 500,000 GPD. Tampa Bay Water may not terminate this Agreement if SWFWMD issues a Final Agency Action approving the Tampa Bay Water WUP modification for a quantity less than the estimated 500,000

GPD or for a duration or under conditions not contained or proposed in Tampa Bay Water's application to modify the Tampa Bay Water WUP.

ARTICLE VI – MISCELLANEOUS PROVISIONS

A. Permanently Retired Water Right Conveyed "AS IS" - The Permanently Retired Water Right SLR is transferring to Tampa Bay Water by this Agreement is in its "AS IS" condition, without any representations or warranties whatsoever. SLR provides no warranty or guarantee to Tampa Bay Water regarding the quality of the Permanently Retired Water Right, the quantity of the Water Right, or Tampa Bay Water's ability to retain, withdrawal or use the Permanently Retired Water Right for any period of time or specific use. Tampa Bay Water accepts this Permanently Retired Water Right transfer assuming all risks, including existing or new regulatory requirements that may affect Tampa Bay Water's ability to retain, withdraw, or use all or part of the Permanently Retired Water Right.

B. Only Permanently Retired Water Right Transferred - This Agreement covers only the transfer of the Permanently Retired Water Right. SLR is not transferring to Tampa Bay Water any wells, pipes or other water production equipment or facilities. SLR is also not transferring any real property or real property interests to Tampa Bay Water, including any easements or licenses to extend water related to the Permanently Retired Water Right, any real property containing existing water wells, or rights to any subterranean use or ownership of the land beneath the SLR Project.

C. Beach of Agreement - Unless otherwise provided herein, if a Party believes that the other Party has breached any obligation herein, then that Party shall provide written notice of the same to the other Party. Upon receipt of such written notice, the other Party shall proceed diligently and in good faith to take all reasonable actions to cure such breach and shall continue to take all such actions until such breach is cured; provided that if the breaching Party is unable to cure such breach within 60 days, the non-breaching Party may pursue dispute resolution pursuant to Section VI. D. of this Agreement. If the other Party disputes whether a breach has occurred, the Parties shall first attempt to resolve such dispute following the dispute resolution process of Section VI. D. of this Agreement.

D. Dispute Resolution

1. The parties agree to resolve any dispute related to the interpretation or performance of this Agreement in the manner described in this Section VI. D. Either Party may initiate the dispute resolution process by providing written notice to the other Party.
2. After transmittal and receipt of a notice specifying the area or areas of disagreement, the parties agree to meet at reasonable times and places, as mutually agreed upon, to discuss the issues.
3. If discussions between the Parties fail to resolve the dispute within thirty (30) days of the notice provided in Section VI. F. hereof, the Parties shall appoint a mutually acceptable neutral third-Party to act as a mediator. The mediation contemplated by this Section VI. D. is intended to be an informal and non-adversarial process with the objective of helping the Parties reach a mutually acceptable and voluntary agreement. The decision making shall rest solely with the Parties. The mediator shall assist the Parties in identifying issues, fostering joint problem-solving, and exploring settlement alternatives.
4. If the Parties are unable to reach a mediated settlement within sixty (60) days of the mediator's appointment, either Party may terminate the settlement discussions by written notice to the other Party. In such event, either Party may initiate litigation within sixty (60) days of the notice terminating the settlement discussions. Failure by the Party initiating the dispute resolution procedure to commence litigation within the sixty (60) day period shall be deemed to constitute an acceptance of the interpretation or performance of the other Party.
5. Each Party shall pay (i) the fees and expenses of their own counsel and witnesses, and (ii) equal shares of the fees and expenses of the mediator.

E. Remedies - Either Party may initiate litigation to enforce the terms of this Agreement within sixty (60) days of the notice terminating the dispute resolution discussions conducted pursuant to Section VI. D. hereof. Obligations may be enforced by legal proceedings for the specific performance of any covenant, obligation or agreement contained herein or for the enforcement of any other appropriate legal or equitable remedy. Either Party may recover actual damages caused by any failure of performance under this Agreement by the other Party; provided however, neither party shall recover damages

exceeding $50,000.00 in the aggregate. The Parties shall not be entitled to special or exemplary damages.

F. Notice - All notices, certificates or other communications hereunder shall be sufficiently given and shall be deemed given on the date such notice is delivered by courier or email transmission or three calendar days after the date mailed by registered or certified mail, postage prepaid, to the parties at the following addresses:

Suburban Land Reserve:

Tyer L. Buswell and J.D. Humpherys
Suburban Land Reserve, Inc.
51 S. Main Street, Suite 301
Salt Lake City, UT 84111
Phone: 801-321-7500

With a copy to:
Eric Olsen
Gunster Law Firm
215 S. Monroe Street, Suite 601
Tallahassee, FL 32301
eolsen@gunster.com

And a copy to:
Jim Pratt
Kirton McConkie
2600 W. Executive Parkway, Ste. 400
Lehi, UT 84043
Jpratt@kmclaw.com

Tampa Bay Water:
2575 Enterprise Road
Clearwater, FL 33763
Attention: General Manager
With copy to: General Counsel
Phone: 727/796-2355

or such other person or addresses to which SLR or Tampa Bay Water shall have provided notice to the other as herein provided.

G. Amendments And Waivers – No amendment, supplement, modification, or waiver of this Agreement shall be binding unless executed in writing by the Parties. No waiver of any of

the provisions of this Agreement shall be deemed or shall constitute a waiver of any other provision of this Agreement, whether or not similar, unless otherwise expressly provided.

H. Severability – In the event any provision of this Agreement shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof.

I. Agreement Construction –

1. Each Party acknowledges that it and its legal counsel participated in the negotiation of this Agreement. This Agreement shall be construed without regard to any presumption or other rule requiring construction against the Party causing the Agreement to be drafted.
2. Words importing the singular number include the plural in each case and vice versa, and words importing persons include firms and corporations. The terms "herein," "hereunder," "hereby," "hereto," "hereof," and any similar terms, refer to this Agreement; the term "heretofore" means before the date of this Agreement is executed; and the term "hereafter" means after the date this Agreement is executed. The terms "include," "includes," and "including" shall be deemed to be followed by the words "without limitation."
3. Any headings preceding the texts of the sections and subsections of this Agreement and marginal notes appended to copies hereof are solely for convenience of reference and neither constitute a part of this Agreement nor affect its meaning, construction, or effect.
4. All recitals and exhibits attached to this Agreement are hereby incorporated in and made a part of this Agreement. Capitalized terms used in the exhibits hereto, but not otherwise defined therein, shall have the respective meanings assigned to such terms in this Agreement.
5. In the event of a conflict between a provision of this Agreement and a provision of any exhibit to this Agreement, the provisions of this Agreement and the exhibit shall be read as one Agreement, and each provision is to be construed in harmony with the other provision to give each provision a reasonable meaning and avoid any interpretation that renders one or more provisions useless or redundant. Under the circumstances when a

provision of the Agreement cannot be reconciled with a provision of the exhibit, the provision in the Agreement shall prevail.

J. Disclaimer of Third-Party Beneficiaries - This Agreement is solely for the benefit of the Parties and no right or cause of action shall accrue to or for the benefit of any person that is not a Party. Nothing in this Agreement, express or implied, is intended or shall be construed to confer upon or give any person or entity, other than the Parties, any right, remedy or claim under or by reason of this Agreement or any provisions or conditions hereof; and all of the provisions, representations, covenants and conditions herein contained shall inure to the sole benefit of and shall only be binding upon the Parties.

K. Non-Waiver - No failure by a Party to exercise any right, power, or privilege under this Agreement is a waiver of that or any other right, power, privilege under this Agreement.

L. Entire Agreement - The agreements and obligations of the Parties set forth in this Agreement shall be the several, and not joint, agreements and obligations of the Parties. This Agreement, including recitals and exhibits constitute the entire agreement between the Parties pertaining to the subject matter hereof, and there are no warranties, representations, or other agreements in connection with subject matter hereof, except as specifically set forth herein. Any other agreement between the Parties not specifically referenced herein is not intended to be changed or affected by this Agreement.

M. Further Assurances - The Parties each shall use all reasonable efforts to provide such information, execute such further instruments and documents and take actions as may be reasonably requested by the other Party and not inconsistent with the provisions of this Agreement and not involving the assumption of obligations or liabilities different from, in excess of, or in addition to those expressly provided for in this Agreement to carry out the intent of this Agreement.

N. Good Faith - The Parties hereto agree to exercise good faith and fair dealings in respect to all matters relating to this Agreement and shall work together in good faith to implement the terms of this Agreement.

O. Attorney's Fees - Each Party shall bear its own attorney's fees, costs, and expenses in any litigation, suit, dispute, controversy, arbitration, mediation, or proceeding, including appellate proceedings involving another Party, arising out of, based on, or related to, this Agreement.

P. No Agent - No Party shall (i) be deemed to be an agent of the other Party, (ii) have the right to bind the other Party, or (iii) represent that it has. the authority to bind the other Party.

IN WITNESS WHEREOF, Tampa Bay Water has caused this Agreement to be executed and delivered as of the date first above written herein.

(SEAL)

Tampa Bay Water,
A Regional Water Supply Authority

By:_____
Ron Oakley, Chairman

ATTEST:

Date: _____

By_____
Charles H. Carden, General Manager

Approved as to form:

By:_____
Office of General Counsel

IN WITNESS WHEREOF, Suburban Land Reserve has caused this Agreement to be executed and delivered as of the date first above written herein.

Suburban Land Reserve, Inc.,
A Utah corporation

By:_____
Name: Tyler Buswell
Title: President

Exhibit A

NOTICE OF PROPOSED/FINAL AGENCY ACTION BY

THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Notice is given that the District's Final Agency Action is approval of the application for a Water Use Permit to serve _____ activities. The total (Type of Project) authorized withdrawal is _____GPD, Peak Month is _____GPD, and (average daily gallons per day) (average daily gallons per day) Maximum is _____GPD. The project is located in _____ County, (daily gallons per day) (County Name) Section(s) ___ , Township _____ South, (Section) (Township) Range East. The permit applicant is _____ (Range) (Name) whose address is . (Address) The Permit No. is . (Permit #) The file(s) pertaining to the project referred to above is available for inspection Monday through Friday except for legal holidays, 8:00 a.m. to 5:00 p.m., at the Southwest Florida Water Management District, _____. (Address of District Office issuing agency action) NOTICE OF RIGHTS Any person whose substantial interests are affected by the District's action regarding this matter may request an administrative hearing in accordance with Sections 120.569 and 120.57, Florida Statutes (F.S.), and Chapter 28-106, Florida Administrative Code (F.A.C.), of the Uniform Rules of Procedure. A request for hearing must (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's action, or proposed action; (2) state all material facts disputed by each person requesting the hearing or state that there are no disputed facts; and (3) otherwise comply with Chapter 28-106, F.A.C. A request for hearing must be filed with and received by the Agency Clerk of the District at the District's Tampa address, 7601 US Hwy. 301, Tampa, FL 33637-6759 within 21 days of publication of this notice. Failure to file a request for hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Sections 120.569 and 120.57, F.S. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the District's final action may be different from the position taken by it in this notice of agency action. Persons whose substantial interests will be affected by any such final decision of the District in this matter have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above. Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding the District's action in this matter is not available prior to the filing of a request for hearing.

Agreement for Payment and Water Right Transfer Between Suburban Land Reserve and Tampa Bay Water

Agenda Item C.1

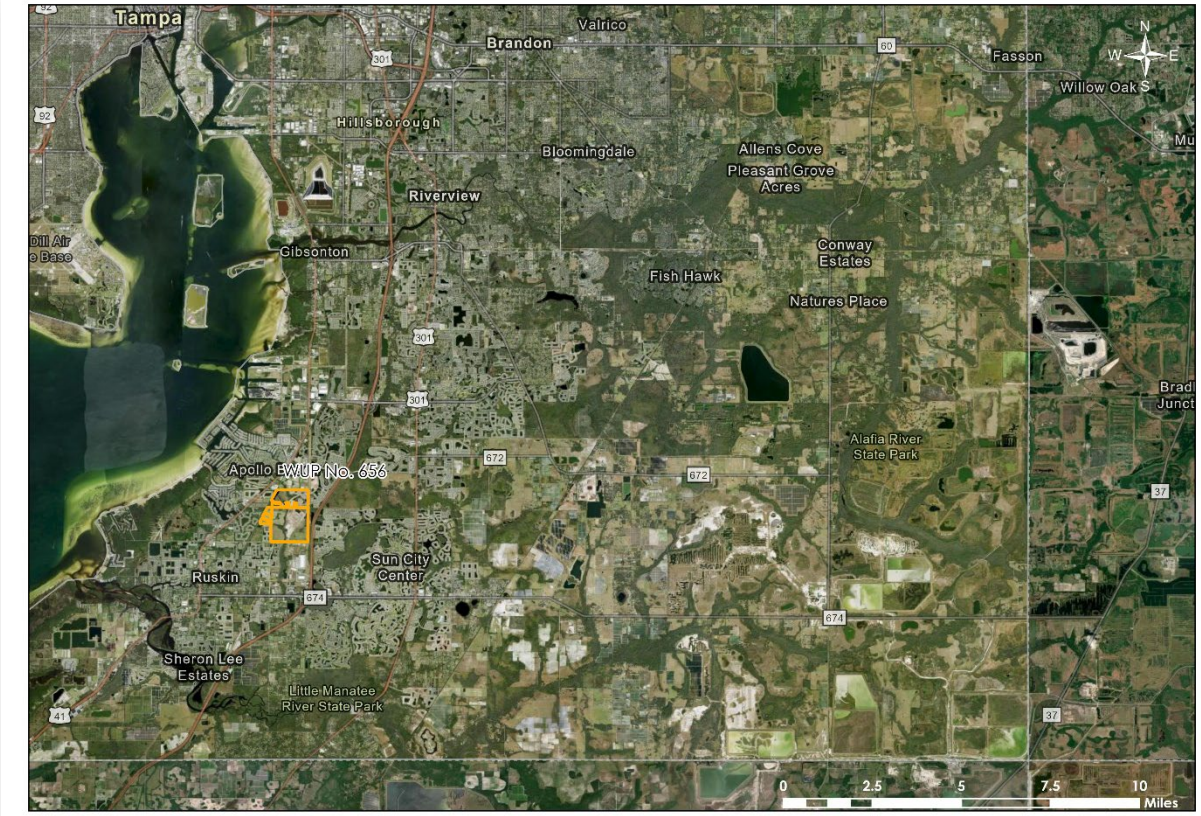
February 26, 2024

Warren Hogg, P.G.
Chief Science Officer
Tampa Bay Water

TAMPA BAY WATER
Supplying Water To The Region

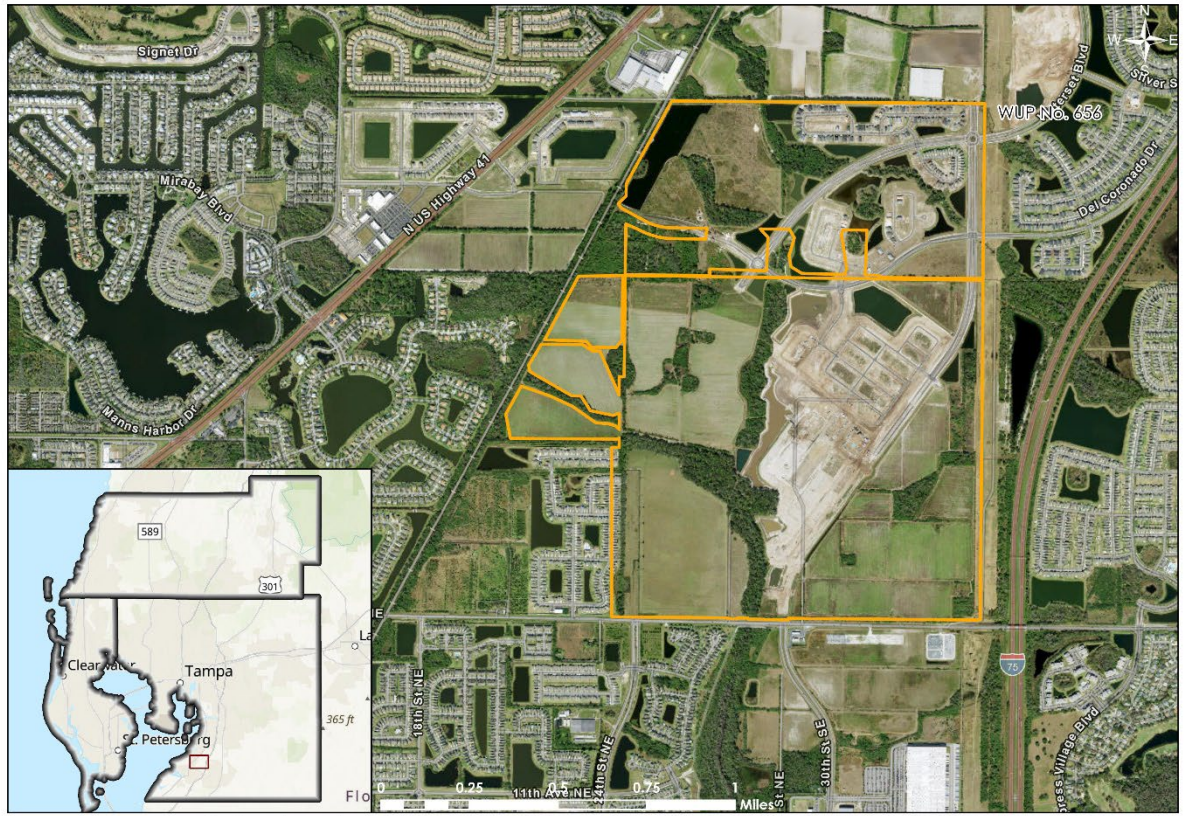
Suburban Land Reserve, Inc. Location

- South Hillsborough County
- Water Use Permit 656.013
- Agriculture use
- Permit quantity – 939,800 gallons per day



Land Use Transition/Permit Modification

- Partial land use transition to residential
- Permit modification application – May 2023
- Permit reduction of 590,100 gallons per day



Suburban Land Reserve, Water Use Permit No. 20000656.013

Water Use Permit Boundary

Service Layer Credits: Earthstar Geographics, University of South Florida, City of Tampa, FDEP, Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, NPS, USFWS, University of South Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Negotiation with Suburban Land Reserve

- Initial contact in June 2023
- Regular discussion through October 2023
- Term sheet negotiated
  - Quantity to be acquired (590,100 gallons per day)
  - Process (simultaneous permit modifications)
  - Price ($1,693,587 plus transaction costs)
  - Unit acquisition cost of $2.87/gallon

TAMPA BAY WATER
Supplying Water To The Region

Agreement Terms

- Southwest Florida Water Management District (District) meeting in November 2023
- Process for simultaneous permit modifications
- Cost and payment provisions
- Quantities
  - Acquire 590,100 gallons per day
  - Transfer yield of approximately 550,000 gallons per day
- Permit quantity transfer meets District net benefit requirements

TAMPA BAY WATER
Supplying Water To The Region

Potential Future Use

- Balm Farm Permit
- South Hillsborough Wellfield
  - Aquifer recharge credits
  - 6.1 million gallons per day
- South Hillsborough Production Well permit
  - 2.3 million gallons per day



Recommendation

- Approve the Agreement for Payment and Water Right Transfer Between Suburban Land Reserve, Inc. and Tampa Bay Water.

Questions

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM C.2

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Warren Hogg, Chief Science Officer

SUBJECT: South Hillsborough County Water Supply - Balm Farm Water Use Permit Modification - Increase Annual Average Permit Quantity - *Approve*

SUMMARY

Tampa Bay Water and Hillsborough County obtained Water Use Permit (WUP) No. 20021046.000 in late 2021 for 250,000 gallons per day (gpd) average annual quantity for agricultural use on the Ag-Mart property in south Hillsborough County. Staff prepared a permit modification package to convert the 250,000 gpd of agricultural use to 225,000 gpd of public supply use. In addition, 550,000 gpd of groundwater credits will be transferred to this permit according to the water right transfer from Suburban Land Reserve, Inc. covered in a separate item on this agenda. The new permit will have an annual average quantity of 775,000 gpd for public supply use.

SUGGESTED ACTION

Approve the submittal of an application to the Southwest Florida Water Management District to increase the annual average permit quantity of Water Use Permit No. 20021046.000.

COST/FUNDING SOURCE

$300 Application Fee/Uniform Water Rate

DISCUSSION

Tampa Bay Water and the Hillsborough County Environmental Lands Acquisition and Protection Program (ELAPP) acquired a Water Use Permit on the former Ag-Mart property by harvesting permitted quantities that the previous land owner could not transfer to their other farm. This Balm Farm Water Use Permit No. 20021046.000 was issued on July 21, 2022 for an average annual quantity of 250,000 gallons per day (gpd) designated for agricultural use. This WUP modification requests a reclassification of the current permitted quantity of 250,000 gpd annual average for agricultural water use to a use type of public supply for a revised quantity of 225,000 gpd. This 10% reduction in quantity for net environmental benefit is a specified requirement in the Southwest Florida Water Management District permitting rules.

WUP No. 2000656.013, also located in Hillsborough County, is held by Suburban Land Reserve, Inc. They have applied for a permit modification to reduce their current permitted quantity by 590,100 gpd following a reduction in irrigated acreage due to the sale of a portion of their property. Tampa Bay Water staff have negotiated an Agreement for Payment and Permanently Retired Water Right Transfer between Suburban Land Reserve, Inc. and Tampa Bay Water which is contained in this packet under a separate agenda item. This agreement specifies that the 590,100 gpd to be reduced from the Suburban Land Reserve permit will be transferred to the Tampa Bay Water Balm Farm permit through transferable groundwater credits. Both permits are located in the Southern Water Use Caution Area (SWUCA); therefore, a transfer of groundwater quantity must provide a net benefit of a 10% increase in groundwater levels which slightly reduces the transferrable permit quantity. A groundwater modeling analysis indicates that this transfer of groundwater credits will yield an increase of 550,000 gpd annual average quantity to the Balm Farm WUP. This transfer of 590,100 gpd at the Suburban Land Reserve WUP 200656.014 meets the District's net benefit requirements.

This WUP modification requests the change in the current 250,000 gpd quantity from agricultural use to 225,000 gpd of public supply use and a transfer of 550,000 gpd from WUP 200656.014. This application to modify the Tampa Bay Water Balm Farm permit requests a new annual average quantity of 775,000 gpd for public supply use.

A copy of the application package may be obtained from the Agency's Records Department upon request.

BACKGROUND

Tampa Bay Water and Hillsborough County have been working closely together to bring additional water supply to the South Hillsborough County service area to meet the growing water demand. Hillsborough County purchased the Ag-Mart property in the Balm area of southern Hillsborough County in late 2021. This property is the proposed site of Tampa Bay Water's South Hillsborough Wellfield, should this project be selected by the Board as a future water supply source. The eastern

portion of the property purchased by the Water Resources Division is the site of the new water supply Point of Connection with Tampa Bay Water and a planned, future water treatment campus for Hillsborough County. The western portion was purchased for preservation under the Environmental Lands Acquisition and Protection Program.

C.2 Balm Farm Water Use Permit Modification Presentation

South Hillsborough County Water Supply - Balm Farm Water Use Permit

Agenda Item C.2

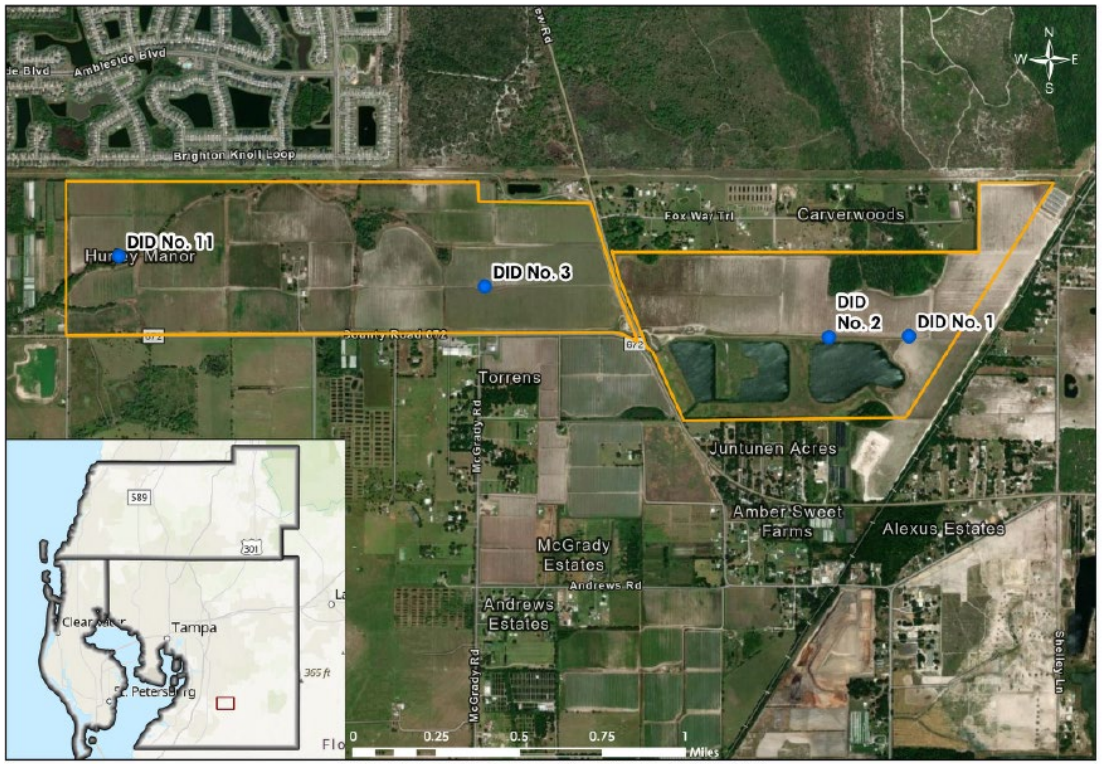
February 26, 2024

Warren Hogg, P.G.
Chief Science Officer
Tampa Bay Water

TAMPA BAY WATER
Supplying Water To The Region

Balm Farm – Water Use Permit 20021046.000

- Ag-Mart property
- Permitted 250,000 gallons per day of transferred agricultural use
- Planned future Point of Connection



Service Layer Credits: State of Florida, Earthstar Geographics University of South Florida, City of Tampa, FDEP, Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, NPS, USFWS, Esri, USGS, University of South Florida, FDEP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Figure 1: Balm Farm Permit and Well locations

Proposed Permit Modification

- Convert existing permit quantity from agricultural public supply use
- 10% reduction in quantity to provide a net benefit
- Transfer 550,000 gallons per day from Suburban Land Reserve permit
- New average annual quantity - 775,000 gallons per day

Coordination of Application

- Coordination on preparation of application with:
  - Suburban Land Reserve
  - Hillsborough County Water Resources
  - Environmental Protection Commission of Hillsborough County
  - Environmental Lands Acquisition and Protection Program
- Pre-application meeting with District and County

Recommendation

- Approve submittal of an application to the Southwest Water Management District to modify the Balm Farm Water Use Permit for an annual average quantity of 775,000 gallons per day.

Questions

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM D.1

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Reports of Certified Public Accountants Regarding Financial Statements for the Year Ended September 30, 2023 - *Presentation*

SUMMARY

The independent audit of the Agency's financial statements for the year ended September 30, 2023, has been completed. Mauldin & Jenkins, LLC issued an unmodified opinion on the financial statements and will present its yearly reports to the Board.

SUGGESTED ACTION

Receive Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

The Agency's Fiscal Year 2023 books are completed and closed and the Financial Statements together with Management's Discussion and Analysis have been prepared by the Finance staff for presentation to the Board at its February 26, 2024, meeting. Mauldin & Jenkins, LLC (as approved by the Board at its April 18, 2022, meeting) performed the annual financial audit of the financial statements in accordance with auditing standards generally accepted in the United States and auditing standards

contained in *Government Auditing Standards* issued by the Comptroller General of the United States. Mauldin & Jenkins, LLC issued an unmodified opinion on the financial statements.

Other Financial Information includes the *Report of Independent Certified Public Accountants on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of the Financial Statements Performed in Accordance with Governmental Auditing Standards*. This report indicates no instances of non-compliance and no material weakness findings.

Other Financial Information includes the *Report of Independent Certified Public Accountants on Bond Compliance*, which notes no instances of non-compliance and the *Schedule of Debt Service Coverage*, which demonstrates compliance with coverage requirements. Also included, is the *Management Letter on Internal Control and State Reporting Requirements* reflecting no current or prior recommendations.

Mauldin & Jenkins, LLC will make a brief presentation to the Board covering highlights of the financial statements and audit results and their Required Communications. A copy of the Annual Comprehensive Financial Report is available upon request from the Records department.

BACKGROUND

The Agency has an annual audit of its financial statements performed by an independent certified public accounting firm to meet the requirements of the Amended and Restated Interlocal Agreement, the Master Water Supply Contract, bond resolutions and Florida Statutes Section 218.39. A single audit and the associated reports were not required in the current year because the Agency did not exceed the expenditure threshold of over $750,000 in State or Federal Grants.

D.1 Reports of Certified Public Accountants Regarding Financial Statements for the Year Ended September 30, 2023 Presentation

Tampa Bay Water

Presentation of 2023 Audit Results
Presented by Wade Sansbury



AGENDA



01 Who is Mauldin & Jenkins?

02 Overview of the Audit Opinion and Required Communications

03 Accounting Recommendations and related Matters

04 2023 Statistical Schedules

05 Questions

Who is Mauldin & Jenkins?

- Regional Firm – serving governments throughout the Southeast since 1918
- Nationally recognized in the top 100 public accounting firms in the US by Inside Public Accounting and Accounting Today
- Approximately 700 governments served, including approx. 70 stand alone business type entities – over 170 clients served who receive GFOA's Certificate of Achievement for Excellence in Financial Reporting annually.
- 45 partners, directors & managers – 100% governmental and over 160 professionals with current governmental experience.
- Dedicated to the Profession and Governmental Accounting – M&J professionals teach at various national and state conferences

Overview of the Audit Opinion

- Management is responsible for the preparation and fair presentation of the financial statements.
- We have issued an unmodified opinion. This is the highest form of assurance we can render with regard to the fairness of the financial statements.
- We performed the audit of the financial statements in accordance with auditing standards generally accepted in the US and Government Auditing Standards issued by the Comptroller General of the US.
- The financial statements are considered to present fairly in all material respects the financial position and results of operations of the Agency as of and for the year ended September 30, 2023.

Required Communications

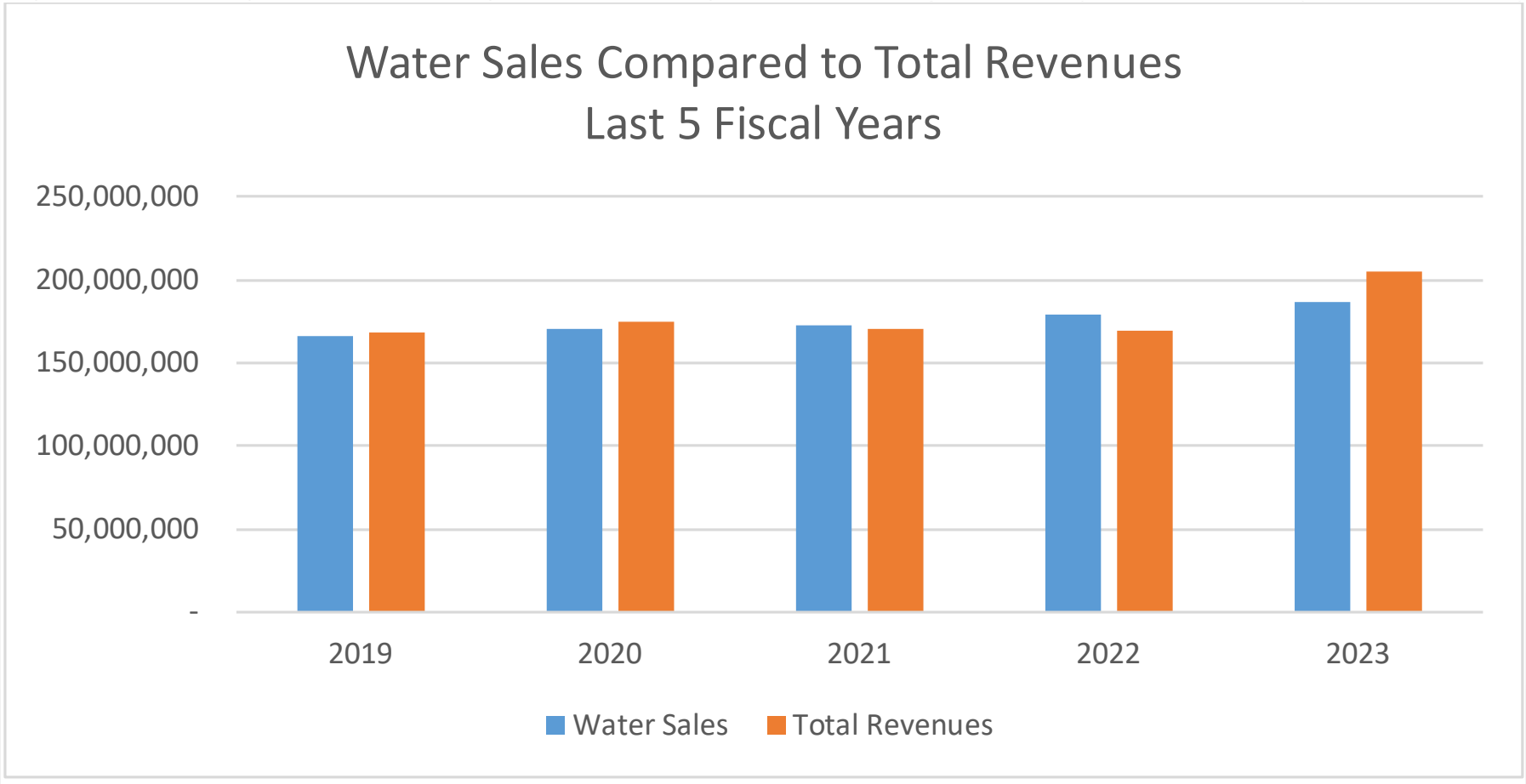


- Accounting policies, management judgements, accounting estimates, and financial statement disclosures are the responsibility of management
- No significant difficulties were encountered, or issues discussed with management
- No auditor proposed adjustments, no uncorrected misstatements and no disagreements with management
- Representation from management received
- We are independent with respect to Tampa Bay Water

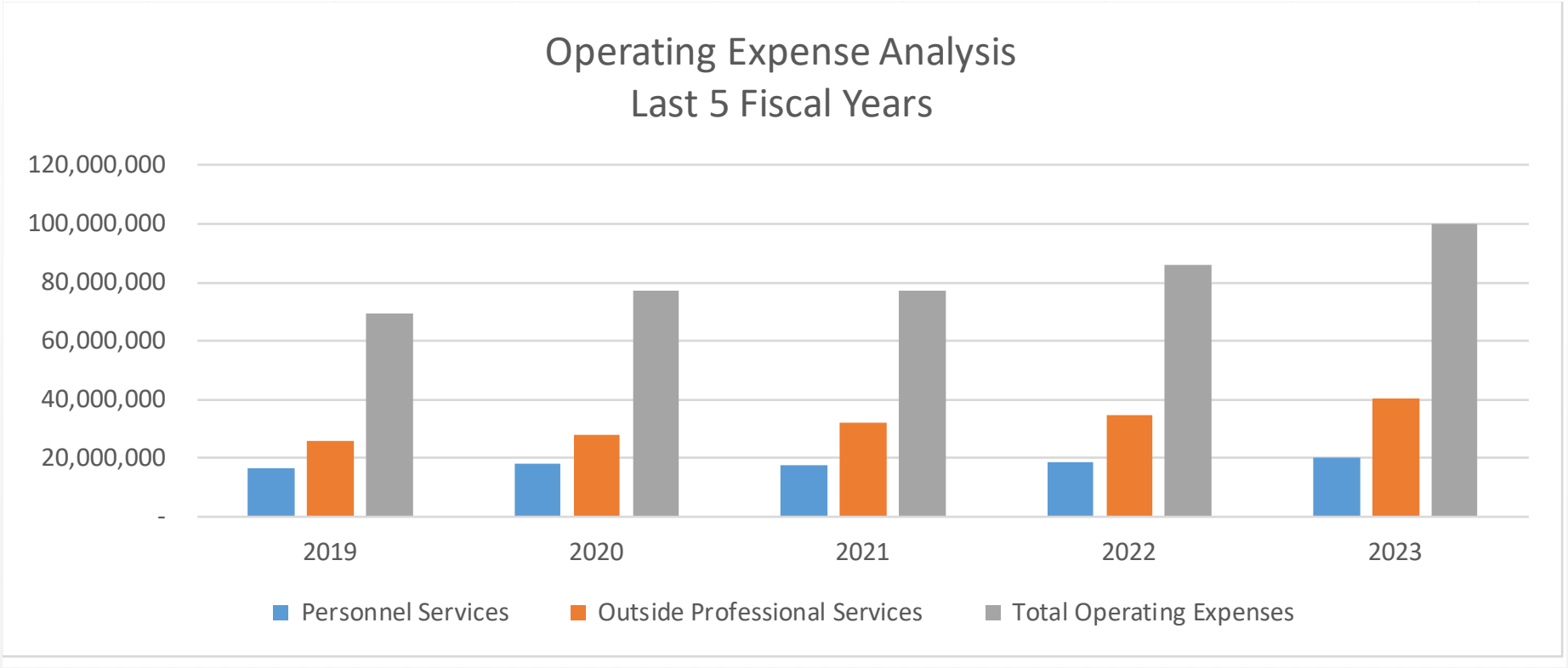
Recommendations / Other Matters

- No audit findings or current year recommendations
- GASB 96 was adopted during the current year and included recording approximately $1.1 million in right to use assets and lease liability
- Auditor's Discussion and Analysis issued containing several upcoming GASB statements that may apply to the Agency in future years
- Free CPE opportunities offered to Tampa Bay Water employees

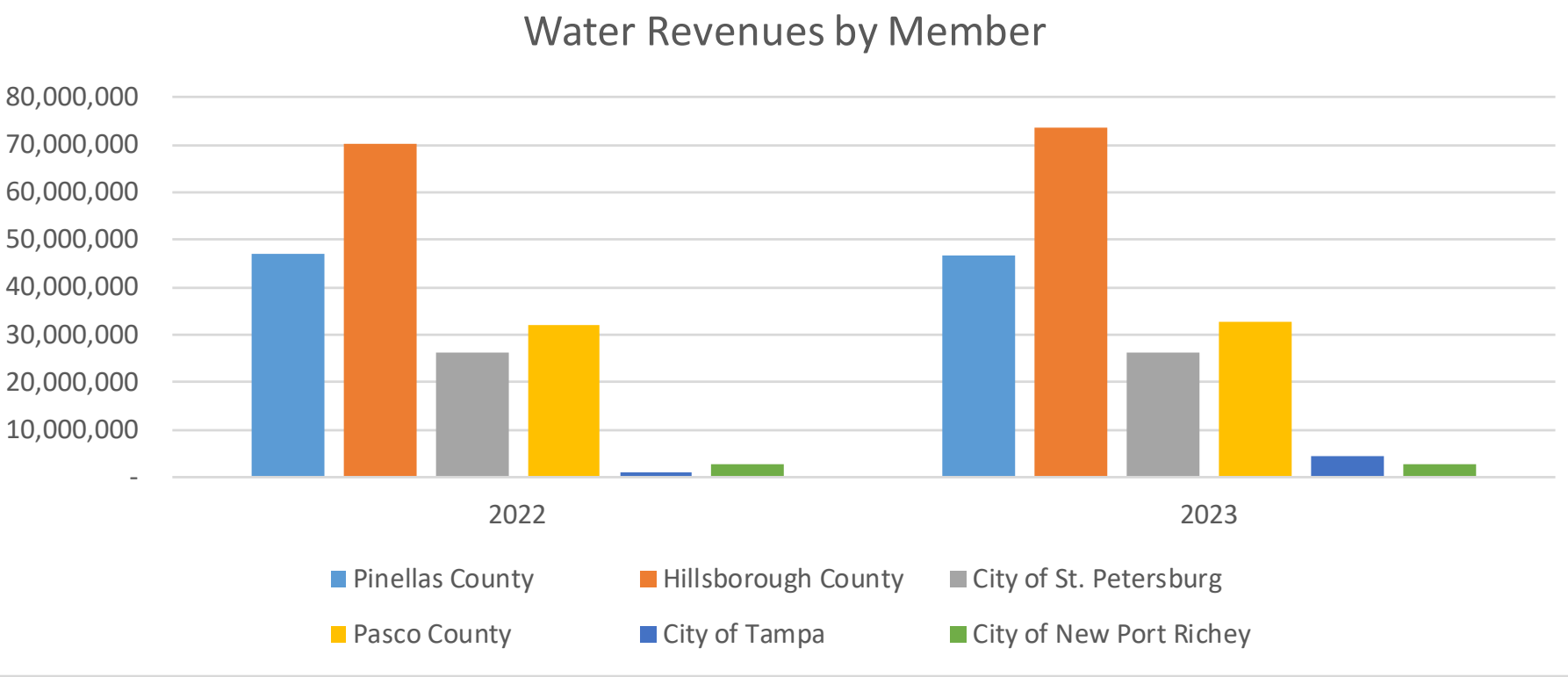
2023 Statistical Schedules



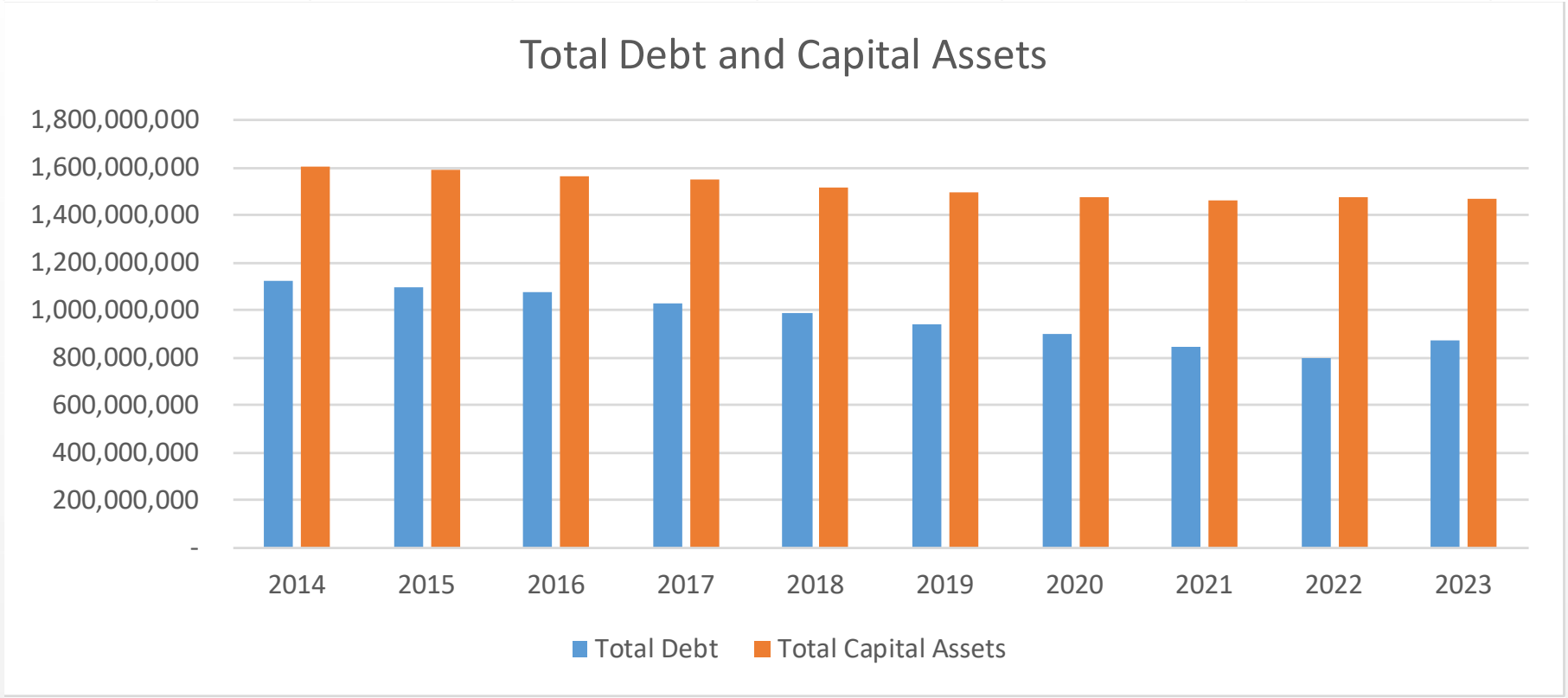
2023 Statistical Schedules



2023 Statistical Schedules



2023 Statistical Schedules



THANK YOU

If you ever have any additional questions we can be reached at the following:

Wade Sansbury
wsansbury@mjcpa.com

Daniel Anderson
danderson@mjcpa.com

1-855-891-0070

We appreciate the opportunity to serve Tampa Bay Water and look forward to serving you in the future.



TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM D.2

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Warren Hogg, Chief Science Officer

SUBJECT: Annual Demand Forecast Update and Evaluation - *Presentation*

SUMMARY

Tampa Bay Water has updated its long-term demand forecast to provide annual and long-term water demand projections for the seven water demand planning areas of our six Member Governments. Each year, a model forecast is evaluated and verified, and new water demand projections are developed based on socio-economic projections and normal weather conditions.

SUGGESTED ACTION

Receive Presentation.

COST/FUNDING SOURCE

N/A

DISCUSSION

The annual update of the Agency's long-term demand forecast, and the review and evaluation of forecast performance for the period April 1, 2022, through March 31, 2023, is complete. A detailed discussion of the process used to update the water demand projections is contained in a Technical Report attached to this agenda item. **A summary of the demand forecast results will be presented to the Board at the February 26, 2024, meeting.**

Tampa Bay Water uses the results of the long-term demand forecast models for two primary purposes:

1. Annual budgeting and source allocation - near-term projections up to six years
2. Long-range water supply planning - forecasting demands for at least a 10 to 20-year time horizon

Demand Forecast Update

The long-term demand forecast model developed in 2017 was updated with data compiled through March 31, 2023. This and past updates are possible because Member Governments continue to supply necessary data to Tampa Bay Water in a timely fashion.

The median regional demand projected for Water Year 2025 is estimated to be 295.84 million gallons per day (mgd) as shown in Figure 1. The updated demand projection is higher than last year's projected demand for Water Year 2025. This increase in water demand corresponds with a substantial increase in single-family housing units during the Base Year of the model (April 2022 through March 2023), especially in Pasco County and South-Central Hillsborough County; warm and dry climate conditions also contributed to the increase in demand. The increase in housing units resulted in an increase of about 8 mgd for the Water Year 2023 demand, as compared to last year's model forecast for Water Year 2023. This increase in water demand that occurred in the Base Year continues through the remaining years of the forecast period. Given the significant change in forecast demand in the later years of the analysis period, Tampa Bay Water will confirm these projections using subsequent population data releases next year.

Total population in the Tampa Bay tri-county area based on the 2023 Bureau of Economic and Business Research is estimated to be 3.1 million. The total population served by Tampa Bay Water and the Member Governments in the 2022/2023 Base Year is approximately 2.65 million people, which constitutes 85.5 % of the total population of the tri-county region.

Updated projections for demographic and socioeconomic variables show that the projected annual growth rate for the total number of housing units in the Tampa Bay region fluctuated slightly between demand forecasts from 1.14 % in 2022 to 1.16 % in 2023. The highest growth rates were observed in the South-Central Hillsborough County and Pasco County demand planning areas, the same as in the prior year projections. Growth in housing units within the Tampa Bay Water service area results in long-term growth in regional water demands for the total service area (see Figure 1 and Table 1).

The 2043 regional median demand projection for the Tampa Bay Water service area (335.33 mgd) is about 10.7 mgd higher than last year's 2043 regional median demand projection of 324.6 mgd. The updated long-term demand forecast reflects higher driver units for each of the sectors of the model; single-family, multi-family and non-residential, when compared with the prior year projections. The increase in water use rates is driven by relatively higher growth rates in income, changes in expected types of employment across the service area, and high inflation in 2023. Projected water demands are also based on normal weather conditions using the last 30 years of data. Year-to-year variability in water demands will occur as actual weather conditions deviate from long-term norms.

Figure 2 shows historic water demands by member government service area from Water Year 2006 through 2023 and projected water demands from 2024 through the 2043 forecast period. Year-to-year variability from 2010 through 2023 has been primarily driven by deviations from normal spring hydrologic conditions. For example, spring 2015 was extremely wet which contributed to lower demands while 2017 demand was higher than normal due to extremely dry fall to spring conditions and an increase in economic activity. Since 2017, the region received near-average rainfall except for 2020 (slightly drier than average) but this did not cause a significantly higher demand. In 2023, the weather was much drier and hotter than average and contributed to an increase in water demand across the region. The overall demand growth is primarily driven by increased housing units and economic factors. Relative to 2022, rainfall received in 2023 was much lower than normal and temperatures were much higher than normal (see Tables 7 and 8 in the Technical Report for annual rainfall and temperature departures from normal). The increase in demand from 2022 to 2023 is mainly due to an increase in driver variables, particularly in Pasco County and South-Central Hillsborough County. Pinellas County historically shows a decline in water demand (Figure 2). This decline was primarily due to a loss of wholesale water customers. This loss in wholesale water demand is a major contributing factor to the relatively flat growth in water demands in the Pinellas County water demand planning area through the forecast period.

The South-Central Hillsborough County, Pasco County and City of Tampa water demand planning areas show a continuous demand growth rate from 2024 to 2043 when compared to the rest of water demand planning areas. Results indicate a slight demand increase in Northwest Hillsborough County, with slight growth projected for the Pinellas County, City of St. Petersburg and City of New Port Richey water demand planning areas (Table 24 of the Technical Report).

The demand forecast model employs effective square footage as a driver to determine the nonresidential sector water demand. The benefit of this approach is disaggregation of the non-residential water use. Square footage for non-residential sub-sectors (e.g., hotels, restaurants, schools, etc.) provided by the respective County property appraiser offices is used to develop relationships between the number of employees and square footage. These effective square footage projections are highest for the City of Tampa, Pinellas County, the City of St. Petersburg, and South-Central Hillsborough County. The South-Central Hillsborough County service area is estimated to grow at a much higher rate than Pinellas County or the City of St. Petersburg. The forecast model uses median household income instead of mean household income as it is reflective of the middle point of income. Median household income levels are projected to grow about the same rate as in the previous year update.

Table 1 provides actual water use data for Water Year 2023 and the projected water use for Water Years 2023 through 2043 by Member Government and water demand planning area in million gallons per day. The projected demand for Pinellas County through the planning horizon does not reflect additional reductions in wholesale water sales as the City of Clearwater continues to purchase water from the County. The City of Clearwater has in the past purchased 3 to 5 mgd from the County due to delays in bringing their new water treatment plant online. The wholesale quantity of water projected for the City of Clearwater will be updated when new information from Pinellas County staff becomes available.

Tampa Bay Water is closely monitoring growth in the South-Central Hillsborough Water Demand Planning Area. For the past few years, the area has outperformed aggregate economic projections for the region and demands forecast by both Tampa Bay Water and Hillsborough County. Updated forecasts show demand increasing in the near future compared to what was projected in the previous updates. Table 2 shows Tampa Bay Water's projections (probabilistic) as well as Hillsborough County's 2024 demand forecast.

Budgeted Water Delivery

The updated regional demand forecast is used to estimate how much water Tampa Bay Water should expect to deliver to the Member Governments for the next six years. Tampa Bay Water deducts from the total regional demand forecast the amount of water self-supplied by certain member governments, given normal hydrologic conditions. Tampa Bay Water allocates an annual planned delivery for the City of Tampa that accounts for both uncertainty of flow in the Hillsborough River and the City's demand above their permitted withdrawal quantity of 82 mgd from the river. The proposed FY 2025 and five-year water delivery projections for each member government are shown in Table 3.

It is anticipated that Tampa Bay Water's Fiscal Year 2025 budget will be based on a budgeted water delivery **of 209.7 mgd**, assuming normal hydrologic conditions. This is a 12 mgd increase in demand as compared to the budgeted water delivery used in the Fiscal Year 2024 budget. This increase in demand is supported by the demand projections submitted to Tampa Bay Water by each of the members in early 2024. The increase in housing units and demand included in Tampa Bay Water's forecast model and increases in population growth account for the increase in projected water delivery for Fiscal Year 2025. Staff will continue to refine and update the expected annual average delivery amount to the Member Governments as the 2025 budget is developed.

Demand Forecast Evaluation

March 2023 was the date of the most recent complete billing data available from all Member Governments except for the City of Tampa. The attached Technical Report provides a detailed discussion of the model output. Some highlights of the updated model output include:

- The probabilistic forecast model was used in this update as it was in the previous year.
- Real median household income was used in the Base Year 2022/2023 forecast. This variable reflects the central income level across all households in a geographic area and is a more robust measure than the mean.
- A number of factors led to a higher demand projection over the forecast horizon than the prior year model prediction. These factors include updates in actual account data for the three sectors across the Member Governments.
- A primary source of model error is considered a probabilistic input in the model to account for model errors within the projected driver variables (e.g., single-family units, multi-family units, employment), which are updated annually.

BACKGROUND

A probabilistic Long-term Demand Forecast Model was developed in 2019 by extending the deterministic demand forecast models re-developed in 2017. The probabilistic approach enables Tampa Bay Water to capture the possible uncertainties in the input data and the models themselves. As reported in previous updates, the models use input data created from billing account data through March 2023, linkage of property appraiser data with member government billing data, creation of sub-sectors in the non-residential sector to reflect relationships between actual square footage and employment data on a parcel level and future forecasts of employment, socio-economic data, and weather data (e.g., rainfall and temperature).

Each year, forecasts are obtained for demographic and socio-economic variables used in the models, and an updated long-term demand forecast over the planning horizon to 2043 was prepared. The variables include income, single-family and multi-family housing units, non-residential square footage relationships to employment, development densities, persons per household, fraction of water accounts with reclaimed water and the price of water. The long-term demand forecasts also are based on long-term normal weather parameters for rainfall and temperature.

Attachments (2)

Technical Report_2023
Agenda_Tables_and_figures
D.2 Annual Demand Forecast Update and Evaluation Presentation

Demand Forecast Annual Evaluation and Update

December 2023

Tampa Bay Water has completed the annual demand forecast evaluation for Water Year 2022/2023 and has updated the long-term demand forecast for the agency's seven water demand planning areas to the year 2043.



Solomon Erkyihun, Ph.D., Tampa Bay Water
Tirusew Asefa, Ph.D., P.E., D.WRE, F. ASCE, Tampa Bay Water
Jack Kiefer, Ph.D., Hazen and Sawyer

TAMPA BAY WATER
Supplying Water To The Region

Demand Forecast Annual Evaluation and Update

December

2023

Tampa Bay Water has completed the annual demand forecast evaluation for 2023 and has updated the long-term demand forecast for the agency's seven water demand planning areas through the year 2043.

Solomon Erkyihun, Ph.D., Tampa Bay Water
Tirusew Asefa, Ph.D., P.E., D.WRE, F. ASCE, Tampa Bay Water
Jack Kiefer, Ph.D., Hazen and Sawyer

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Acknowledgments

Receipt of member government billing data allows the agency to use actual data in its development of annual forecasting efforts. Without the provision of these data, the accuracy of the demand forecasts would be severely impacted. The following agencies, along with their identified representatives, either coordinating or providing these data, are deeply appreciated by Tampa Bay Water. Thank you!

- Hillsborough County- John McCary
- Pasco County- Dave Hernandez
- Pinellas County- Marizol Garcia/Cristiane Smith/Vertex Group
- City of New Port Richey- Mike Miller
- City of St. Petersburg- Joann Maitri/Lindsey Denzer (wholesale)
- City of Tampa - Andreia Kendall

1. Introduction

Tampa Bay Water provides water demand forecasts for its six Member Governments to project and support decisions regarding the amount of future water supply needed within Tampa Bay Water's service area. The Long-Term Demand Forecasting (LTDF) models are designed primarily for the purpose of longer-term planning and forecasting, over 20 to almost 30-year time horizons. The models follow monthly and yearly time steps, which provide the capability of predicting water use over shorter intervals.

Since 2009, Tampa Bay Water has annually updated its long-term demand forecast to capture changes in socioeconomic trends. This report utilized the LTDF model developed in 2017 and upgraded in 2019 to a probabilistic forecast model to incorporate uncertainties in the model input data and model performance in capturing the state of water demand in the Agency's service areas. The Agency's 2023 update includes updated member government billing data coupled with the most recent socioeconomic forecasts. The water demand forecast presented in this report is the fifth update of the 2019 probabilistic forecast model.

The LTDF models were used in this annual update to produce probabilistic demand forecasts for a 30-year period (through 2053) for long-range planning purposes. However, the demand forecast is presented in this report through 2043 to match the 20-year planning horizon of the agency's Master Water Plan as outlined in Section 2.09 of the Amended and Restated Interlocal Agreement. This analysis will continue to be performed on an annual basis to capture changing socio-economic conditions that affect the growth rate of water demand in the Tampa Bay region. The annual demand forecast process guides the agency's decisions on future water supplies and infrastructure to timely meet the growing water demands of the member governments.

The primary purposes of providing annually updated forecasts for the seven Water Demand Planning Areas (WDPAs) of the six-member governments are:

1. Annual budgeting and source allocation – near-term forecasting up to five years into the future.

2. Long-range water supply planning – forecasting median water demands with confidence intervals for up to 30 years into the future.

Development of annual forecasts and comparison with actual water use can assist Tampa Bay Water in learning how to adapt to changes in water use and related weather and socioeconomic conditions.

A set of procedures have been developed to conduct an annual evaluation of the predictive capability of the demand forecast models. The updated model predictions incorporate the most recent actual water use data through March 2023 and revised socioeconomic conditions updated in 2023. Tampa Bay Water conducted the base year 2022/2023 update (April 2022 to March 2023 will be referred to hereafter as the Base Year) with recommendations provided by Hazen and Sawyer, who was previously contracted to develop the demand models and supported Tampa Bay Water in developing the modeling and forecasting datasets.

Retail demand is modeled using three sector-specific models: Single-Family (SF), Multi-Family (MF) and Non-Residential (NR) econometric models (Hazen and Saywer, 2019). Each model generates demand forecasts based on specific weather and socioeconomic projections for each of the Water Demand Planning Areas (WDPAs) with uncertainties generated from the model input variables and the models themselves. Sector-specific models satisfy the need for modeling retail demand on a member-by-member basis. From these results, sector-specific results can be aggregated as needed into various time periods and geographic delineations.

Tampa Bay Water's annual demand forecasting evaluation procedure is used to perform a comparison between the forecasted and actual retail water use for each WDPA. Figure 1 shows the Water Demand Planning Areas. The analysis compares observed water use for the most recent water year (April 2022 to March 2023) equivalent timeframe having a complete data set against the predicted water use for the same year equivalent period calculated as the average of the probabilistically generated demand forecast realizations. This analysis verifies the predictive capability of the demand forecast models and provides information regarding the uncertainty of the socioeconomic projections. Tables 9 through 12 show the performance assessments of the sectoral models.

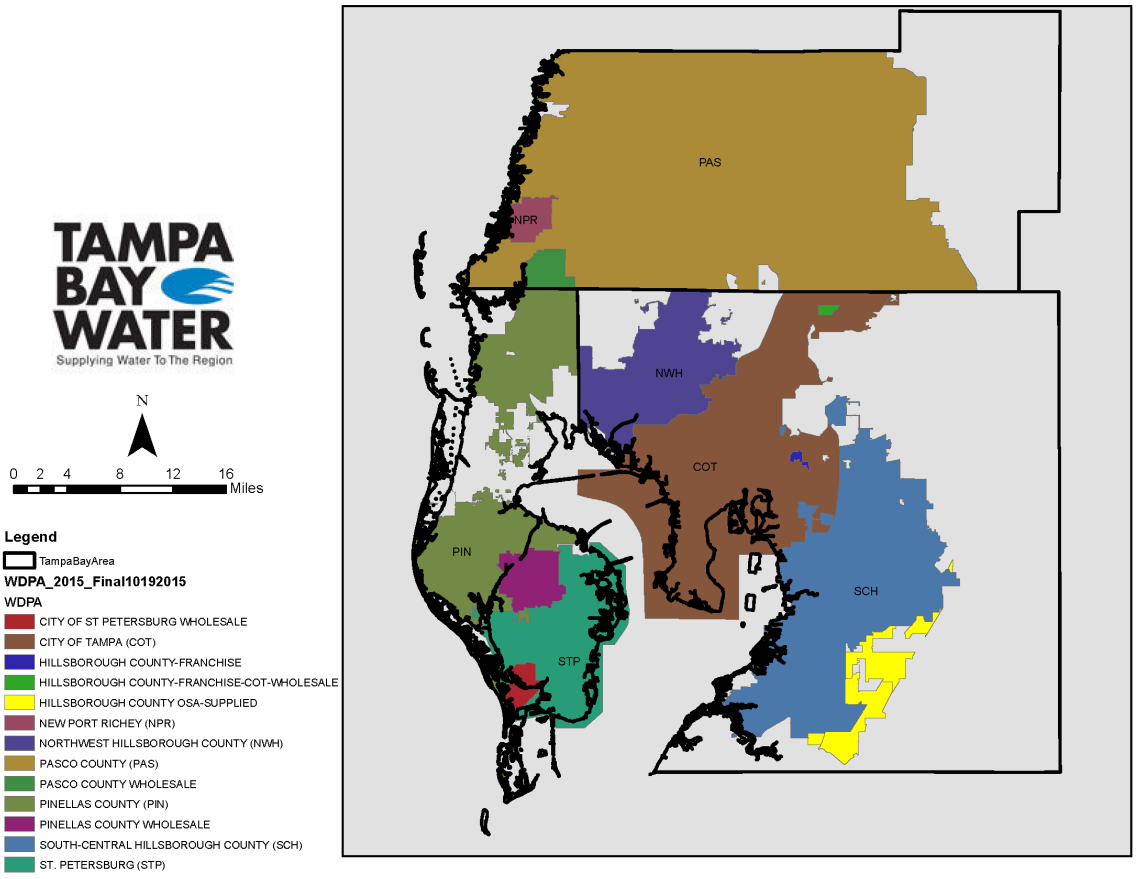


Figure 1. Water Demand Planning Areas

2. Model Predicted Versus Actual Variables for The Base Year

The forecasting models relate water consumption to weather and socioeconomic factors which influence the use of water (e.g., rainfall, temperature, price, income, housing density, persons per household, growth in housing units in the SF and MF sectors, NR square footage, and breakdown of the NR square footage into subsectors). The evaluation of the models requires the collection and processing of recent input data for all the models' factors in the Base Year. For this evaluation, the time period of April 2022 to March 2023 was used as the analysis period and included actual billing data for all member governments except for the City of Tampa. The City of Tampa complete billing data was only available through August 2022 and their billing data set was extended from September 2022 to March 2023 to match with the Base Year and the rest of member government's billing data. The September 2022 data was partial for the City of Tampa due to Hurricane Ian therefore it was excluded in this update. Data extension through March 2023 for the City of Tampa was accomplished based on a relationship established between the total water consumption and total supply (supply sources from Tampa Bay Water and self-supply by the City of Tampa).

The most recent Base Year data needed to complete the annual evaluation include:

- Member government water use data by customer account, including wholesale water delivered by members to their wholesale customers and their self-supply
- Tampa Bay Water delivery and total demand data by WDPA
- The Base Year actual daily temperature and rainfall data (for a list of rainfall and temperature stations used, see Hazen and Sawyer, 2019)
- Updated water rate schedules for each member in effect during the Base Year
- Updated property appraiser data for 2023 (consisting of parcels with land use characteristics, acreage, and characteristics of buildings located on those parcels) and association of water use accounts with the parcels they serve
- Most recent socioeconomic data derived from updated sources including the US Census - American Community Survey (ACS), University of Florida Bureau of Economic and Business Research (BEBR), Moody's Analytics, and population and housing unit projection by the Florida Department of Transportation (FDOT) at Traffic Analysis Zones (TAZ)
    - Single-family (SF) and multi-family (MF) housing units (sector drivers)
    - Persons Per Household (PPH - explanatory variable)
    - Median Household Income (explanatory variable)
    - Housing Density (explanatory variable)
    - Reclaimed Fraction: proportion of accounts with reclaimed water connection (explanatory variable)
    - NR indoor square footage (sector driver)

- Distribution of total NR indoor square footage in each of ten NR subsectors (explanatory variable)

It is important to note that the BEBR population projections are provided with three scenarios: low, medium, and high. The low and high projection scenarios correspond to the 12.5 and 87.5 percentile confidence levels of the projection distributions at a given year. In this update, the maximum and minimum demand forecasts are designed to correspond to the high and low scenarios of the BEBR population projection. Comparing past projections, particularly average forecast deviations from the actual estimate, the total BEBR population projection was found to be consistently underestimating the actual population estimate. To account for this deviation, average population projection bias was calculated for 1, 2, …, 10-year periods as a deviation of the projected population from the actual estimate. The deviations are determined from the available historical BEBR data since 2012. The 2023 BEBR population for example, was bias-corrected for one year since the base year estimate for the 2023 data is 2022. Similarly, the 2024 population is corrected by the 2nd year factor and so on. After 2031, the correction factor was kept constant at the 10th year correction factors until the end of the planning period in 2043.

The low and high BEBR projection scenarios were adjusted based on the bias calculated from the median to preserve the spread.

2.1. Base Year Model Drivers (SF and MF Housing Units and NR Indoor Square Footage)

The forecasting methodology employs a "**rate-of-use-times-driver**" approach for calculating sectoral demands. Each sector-specific model calculates average monthly demand, or **rate of use**, per **water consuming entity**, or **driver unit.** A different driver unit is defined for each sector (SF, MF and NR). The SF sectoral model calculates retail demand per SF housing unit, with the number of SF housing units serving as a driver unit. Likewise, the MF sectoral model calculates retail demand per MF housing unit, with the number of MF housing units serving as a driver unit. The NR sectoral model calculates retail demand per 1000 square feet (ksf) of indoor area, with numbers of ksf serving as a driver unit. A forecast of demand for any given sector is a simple product of predicted rate of use and the predicted number of driver units.

Table 1 shows unit driver totals for the three sectors in the Base Year.

- SF housing units are determined based on the number of housing units on SF parcels associated with **active** accounts in Tampa Bay Water's service area. The total number of regional SF housing units was 560,617. The SCH WDPA has the largest number of SF housing units among the water demand planning areas (115,942 that corresponds to 20.68%

of total regional SF housing estimated based on the Base Year data). PAS is the second largest, with 20.32% of total regional SF housing units.

- MF housing units are determined based on the number of housing units on MF parcels associated with active accounts in Tampa Bay Water's service area. The total number of regional MF housing units in the Base Year was 315,997. The City of Tampa WDPA has the largest number of MF housing units among the water demand planning areas (88,575 which is 28.03% of the estimated total MF housing units).

- NR thousands of square feet (ksf) are determined based on the indoor square footage on NR parcels associated with active accounts in Tampa Bay Water's service area. The total regional NR ksf in the Base Year was estimated at 632,074. The City of Tampa has the largest ksf among the water demand planning areas (275,171 that accounts for 43.53% of total estimated ksf).

Table 1. Base Year Driver Units

	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
SF Dwelling Units	**113,936**	**7,516**	**48,630**	**115,942**	**106,858**	**90,325**	**77,410**	**560,617**
MF Dwelling Units	**22,527**	**5,091**	**23,833**	**33,600**	**88,575**	**82,046**	**60,325**	**315,997**
NR (units of 1000 ft2)	**55,763**	**7,103**	**31,480**	**74,408**	**275,171**	**93,569**	**94,581**	**632,074**

2.2. Explanatory Variables

Each sectoral model has a set of explanatory variables that explains the monthly rate of water use by sector and WDPA. Examples of explanatory variables include rainfall, temperature, real median household income, real marginal price, persons per household, fraction of reclaimed water use, housing unit density, and the NR sub-sector fraction (or percentage) of the total NR ksf. By conducting regression analyses on historic water use, weather and socioeconomic data, coefficients for each explanatory variable are estimated to measure the relationship between the explanatory variable and the per unit sector water use, which vary by month and by geographic area (such as WDPAs)[1].

[1] For a detailed discussion of the development of the long-term demand forecast models and their coefficients, see Hazen and Sawyer, 2019.

2.2.1. Persons Per Household

Information used to determine the Base Year SF and MF persons per household (PPH) was obtained from the American Community Survey (ACS). This source provides estimates of SF and MF households and residents at a small geographic scale (Block Group). These data are then mapped to WDPAs (a larger geographic scale) and summed to determine SF and MF population, number of households, and subsequently the PPH is calculated at the WDPA level.

Table 2 shows the Base Year SF and MF Persons Per Households. SF PPH ranges from 2.28 for the New Port Richey WDPA to 2.80 for the Northwest Hillsborough WDPA. MF PPH ranges from 1.70 for the Pinellas WDPA to 2.30 for the South-Central Hillsborough WDPA. These values exhibit a similar pattern to values encountered in prior forecast updates.

Table 2. Base Year SF and MF Persons Per Household

	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
SF	**2.55**	**2.28**	**2.80**	**2.79**	**2.67**	**2.37**	**2.55**	**2.57**
MF	**2.01**	**1.79**	**2.15**	**2.30**	**2.07**	**1.70**	**1.71**	**1.96**

2.2.2. Real Median Household Income

The Base Year median household income was obtained from the ACS. This source provides estimates of the total number of households within various income ranges at a small geographic scale (Block Group). These data are then mapped to WDPAs (a larger geographic scale) and summed to determine the number of households within income ranges at a WDPA level. These range totals are the basis for estimating the Median Household Income in each WDPA. Finally, to account for the effects of inflation, Median Household Income estimates are then adjusted to 2015 dollars[2] to determine values for Real Median Household Income using Consumer Price Index data collected from the Bureau of Labor Statistics. Note that Real Median Household Income is not differentiated by SF or MF sector; it is determined across the geographic areas for the residential sector.

Table 3 shows Real Median Household Income by WDPA. Values range from $33,554 in New Port Richey to $61,807 in Northwest Hillsborough. Note that the real median household income has

[2] The sectoral models were developed with 2015 dollars as the basis. This adjustment is required to be consistent with the model input requirement.

decreased from last year estimates when discounted to 2015 dollars because of high inflation in the Base Year.

Table 3. Base Year Real Median Household Income and Real Marginal Price by WDPA, in 2015 dollars

WDPA	Real Median Household Income	Real Marginal Price of Water and Sewer at 8001 gallons monthly consumption ($/kgal)
PAS	49,304	7
NPR	33,554	8.21
NWH	61,807	8.48
SCH	56,539	8.48
COT	43,413	8.50
PIN	50,062	9.24
STP	48,272	13.35
TBW	48,993	9.09

2.2.3. Real Marginal Price (RMP)

Information to determine values for Real Marginal Price (RMP) for each WDPA is taken from Member Government rate structures in effect during the Base Year. First, marginal price is determined by summing three components:

- the SF volumetric water rate (price per thousand gallons of consumption of potable water for the residential sector) at the rate tier containing 8001 gallons per month[3]
- the SF volumetric sewer rate (price per thousand gallons of consumption of potable water for the residential sector)[4]
- any volumetric Tampa Bay Water "pass through" charges.

RMP is meant to portray the incremental cost of consumption. Note that fixed charges or total charges at tiers below those containing 8001 gallons are not used in determining the RMP for the

[3] In cases where tiers are not defined, the single volumetric price per thousand gallons is used. In cases where rates are differentiated by customer location, the "In Retail Service Area" rate is used.

[4] No Member Governments have differentiated sewer rates at the level of 8001 gallons potable consumption per month. In cases where rates are differentiated by customer location, the "In Retail Service Area" rate is used.

demand forecasts. In addition, only the SF RMP is used in model development as well as forecasting future water demands and is therefore considered an instrument for capturing pricing trends. The SF RMP is applied in all three sectors. RMP is only differentiated between WDPAs[5] and is projected to increase by an average of 0.8% annually.

Table 3 also shows Real Marginal Price by WDPA for the Base Year. Values range from $7 per kgal in Pasco to more than $13 per kgal in St. Petersburg. Like income, the Base Year estimates of price of water and sewer are estimated to be lower in 2015 dollars when compared with estimates made in the previous year because of higher inflation in the Base Year.

2.2.4. SF and MF Housing Densities

SF and MF Housing density variables are defined as the average number of housing units per acre and are based on 2023 property appraiser unit and acreage data for parcels associated with SF- and MF-classified accounts. These data are shown in Table 4. Values for SF Density range from 2.52 units per acre in Pasco to 5.05 units per acre in St. Petersburg. Values for MF Density ranges from 5.38 units per acre in Pasco to 56.01 units per acre in the City of New Port Richey. In this analysis, mobile home communities are considered MF housing units.

Table 4. Base Year SF and MF Housing Densities

WDPA	SF Housing Density (Units/Acre)	MF Housing Density (Units/Acre)
PAS	**2.52**	**5.38**
NPR	**5.01**	**56.01**
NWH	**3.07**	**7.60**
SCH	**3.27**	**8.32**
COT	**4.58**	**17.51**
PIN	**3.24**	**9.67**
STP	**5.05**	**7.56**

[5] This convention of using SF rates as an instrument for price was adopted as a matter of modeling convenience. In reality, water rates may differ between sectors now and in the future, but as rates rise in general, they should rise for other sectors as well.

2.2.5. Fraction of SF, MF, and NR Water Use Locations with Reclaimed Service[6]

Reclaimed water use is accounted for in the demand forecast models by WDPA and sector. The parameter is the fraction of accounts that use or have access to reclaimed water. Data for fraction of the Base Year SF and NR water use locations with reclaimed water service are taken from member government billing data. Within each sector and WDPA, the reclaimed fraction is derived as the proportion of all water use locations that have at least one reclaimed water connection[7]. Base Year Reclaimed Fractions are shown in Table 5.

Table 5. Base Year fraction of reclaimed water locations (SF, MF and NR)

	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
Percentage of SF Locations with Reclaimed	15.47%	2.83%	27.08%	10.31%	4.79%	25.14%	15.01%	14.38%
Percentage of MF Locations with Reclaimed	0.73%	0.45%	10.25%	0.90%	4.13%	37.05%	5.38%	8.41%
Percentage of NR Locations with Reclaimed	1.63%	6.28%	20.76%	13.09%	3.80%	20.61%	9.26%	10.78%

2.2.6. NR Square Footage Fractions in Subsectors

Tampa Bay Water's 2013 Demand Management Plan (DMP) defined ten specific NR subsectors (DMP Subsectors) most critical to tracking and addressing water conservation potential through active conservation efforts and passive efficiency increases. The LTDF models adopt these same subsectors as classifications for describing how total NR square footage is distributed and represents a proxy for measuring differences in the mix of commercial, industrial, and institutional activity across the region. The fraction of total NR square footage within each DMP subsector is determined for the Base Year using property appraiser data for parcels linked to NR-classified accounts as follows:

- NR parcels linked to Base-Year accounts are further classified into DMP subsectors using land use information.
- Total indoor square footage for each DMP subsector and WDPA is determined by summing indoor square footage across parcels in that subsector and WDPA, and

[6] The MF sector does contain accounts with access to reclaimed water. However, the reclaimed fraction variable was found to be a significant variable only in the SF and NR sector models of the revised LTDFS.

[7] The concept of "water use locations" is discussed in Hazen and Sawyer, 2019.

- Sub-sectoral fractions are determined by dividing square footage for each subsector and WDPA by total NR square footage for the WDPA.

Table 6 contains square footage fractions by WDPA and DMP sector for the Base Year.

Table 6. DMP Subsector Square Footage Fractions for the Base Year

WDPA	Education	Government	Health Care	Heavy Manufacturing	Hotels, motels	Light Manufacturing	Office Buildings	Restaurants and Fast Food Outlets	Retail Stores	Retirement	Other
PAS	0.1669	0.0400	0.0923	0.0096	0.0150	0.0337	0.0509	0.0116	0.2453	0.0145	0.3202
NPR	0.1428	0.0570	0.1349	0.0000	0.0369	0.0016	0.0912	0.0172	0.1963	0.0258	0.2963
NWH	0.1382	0.0231	0.0473	0.0071	0.0063	0.0191	0.1293	0.0115	0.2713	0.0330	0.3138
SCH	0.1758	0.0256	0.0729	0.0238	0.0085	0.0157	0.0661	0.0118	0.2233	0.0288	0.3477
COT	0.0707	0.0936	0.0498	0.0179	0.0394	0.0318	0.1684	0.0079	0.0852	0.0037	0.4317
PIN	0.0801	0.0835	0.0447	0.0211	0.0698	0.1501	0.1113	0.0121	0.1259	0.0486	0.2528
STP	0.0991	0.0615	0.0709	0.0129	0.0258	0.0838	0.2194	0.0081	0.1145	0.0426	0.2613
TBW	0.1248	0.0549	0.0733	0.0132	0.0288	0.0480	0.1195	0.0114	0.1803	0.0281	0.3177

2.2.7. Efficiency Factors

The efficiency factor is an indexed annual value that reflects estimates of the degree of market penetration of new high-efficiency water fixtures in the SF sector by WDPA due to natural fixture deterioration and replacement. Market saturation levels for 2014 are given an index value of 1, while greater saturation levels are given lower index values (less water used based on more efficient technology) following assumed market penetration rates from 2015 to 2043.

This demand update incorporates water savings due to passive efficiency increases. The efficiency factors can be reduced to values less than 1 based on the agency's Demand Management Plan study. This will allow evaluating the effects of passive replacement of future efficient fixtures on future demand projections.

2.2.8. Weather Variables (Rainfall and Temperature)

Input data for the weather variables include both Base Year weather data and long-term average weather data for the model parameters. All weather data are log transformed as inputs into the long-term demand forecasting models. Details are explained in Hazen and Sawyer, 2019.

Table 7 shows departure of the Base Year actual monthly rainfall from the long-term average. The table also highlights the spatial variability of rainfall in Tampa Bay Water's service areas. Green shading indicates that the actual rainfall was above the long-term average. Red shading indicates that the actual rainfall was less than the long-term average. As shown in Table 7, annual rainfall departures from normal slightly vary spatially in the service area.

The average regional rainfall in the Tampa Bay Water service area was near-normal for the Base Year, 0.038 inch above the long-term average with substantial rainfall events in April, September, and November 2022. The region also received below-normal rainfall from January 2023 to March 2023 (with almost no rain in March 2023) and this rainfall deficit was sustained from January 2023 through the end of September 2023. Short and intense rainfall events are generally less desirable because their availability to be used for water supply is less and the risk of flooding is greater when compared with less intense and longer rainfall events yielding the same annual average. Considering the rainfall intensity during the Base Year, the region received below-normal "usable" water from the rainfall events during the Base Year contributing to a deficit in water availability.

Table 7. Base Year actual minus long-term average rainfall (inches)

Year	PAS	NPR	NWH	SCH	COT	PIN	STP
4/30/2022	2.329	5.208	6.598	0.785	4.475	-0.986	1.288
5/31/2022	-0.765	-0.906	-0.934	0.718	0.333	-1.239	0.965
6/30/2022	-2.703	-1.939	-1.636	-1.939	0.983	-3.054	-1.283
7/31/2022	-1.236	2.960	-1.166	-2.514	3.220	-2.714	-4.207
8/31/2022	0.082	0.795	-3.814	-1.983	-1.725	3.966	-4.184
9/30/2022	1.156	3.206	7.726	5.050	5.587	9.604	3.793
10/31/2022	-1.982	-2.724	-2.139	-1.654	-1.317	0.531	-2.254
11/30/2022	2.184	2.582	2.529	1.067	3.422	4.397	1.160
12/31/2022	0.215	0.680	0.556	-0.533	0.153	0.725	-0.288
1/31/2023	-1.431	-1.510	-0.267	-1.840	-0.275	-0.045	-1.296
2/28/2023	-1.954	-1.440	-2.316	-1.372	-2.028	-0.999	-2.095
3/31/2023	-2.908	-3.550	-2.412	-2.000	-0.457	-0.734	-3.052
Average	**-0.584**	**0.280**	**0.227**	**-0.518**	**1.031**	**0.788**	**-0.954**

Notes: Negative numbers means actual rainfall was less than long-term average for each month. Red shading indicates rainfall less than average (darker the shading = less rainfall). Green shading indicates rainfall greater than average (darker the shading = more rainfall). The Base Year rainfall total departures indicate that some WDPAs received slightly above-normal and some slightly below-normal rainfall during the one-year period from April 2022 to March 2023.

Table 8 shows the departure of maximum temperature from the long-term average maximum temperatures in each WDPA. In general, temperature was recorded to be above the long-term average values. All WDPAs experienced above-average maximum temperatures in the Base Year on an annual average basis.

Results shown in Tables 7 and 8 indicate that the Base Year weather conditions were drier and hotter than long-term averages of rainfall events and temperature records, respectively. Drier conditions tend to increase water demand due to higher demand for outdoor water use for lawn maintenance. Hotter than average temperature conditions trigger increased water use because of higher evaporation during outdoor water use.

Table 8. Base Year actual minus long-term average of maximum temperatures (Fahrenheit)

Year	PAS	NPR	NWH	SCH	COT	PIN	STP
4/1/2022	0.614	2.922	2.632	1.820	2.589	0.246	-0.330
5/1/2022	0.237	3.223	1.944	1.414	1.845	0.275	0.173
6/1/2022	0.490	2.300	2.397	1.831	2.384	0.197	0.244
7/1/2022	1.337	2.817	2.935	2.524	2.929	0.249	1.280
8/1/2022	-0.075	1.657	1.867	1.535	1.866	0.145	0.544
9/1/2022	-2.780	-0.845	-0.080	-0.383	-0.053	-0.081	-1.251
10/1/2022	-2.397	0.066	-0.904	-1.124	-0.980	-0.005	-1.442
11/1/2022	-0.493	1.824	1.535	1.422	1.505	0.163	1.080
12/1/2022	-3.046	-1.438	-0.848	-1.191	-0.831	-0.137	-2.072
1/1/2023	2.468	2.820	3.160	2.996	3.179	0.256	2.307
2/1/2023	4.514	5.203	5.059	4.953	5.052	0.474	4.351
3/1/2023	2.663	2.545	3.132	3.075	3.171	0.235	2.612
Average	**0.294**	**1.924**	**1.902**	**1.573**	**1.888**	**0.168**	**0.625**

Notes: Positive numbers mean actual temperatures were hotter than long-term daily maximum averages. Green shading indicates temperature cooler than average (darker green = much cooler). Red shading indicates temperature warmer than average (darker red = much warmer). The Base Year average temperatures for all WDPAs were above average during the April 2022 – March 2023 one-year period.

Seasonal differences between actual weather and long-term normal weather are utilized to predict future water use. **Since long-term normal weather is assumed in all future months throughout the forecast period, observed water use in any future year will differ from the forecast, in part, due to actual weather conditions for that year**.

The current Base Year weather conditions were extremely hot and dry which contributed to increased water demand in the Base Year. The overall demand, however, will be determined by the overall effects of other variables that influence water use.

3. Base Year Predicted Versus Actual Water Use Results

The demand forecast models are verified each year by comparing the prior year demand forecast to the actual observation in the Base Year. Then, the accuracies of the prior year predictions are assessed by replacing prior-year projections for driver units and explanatory variables with the Base Year observations and noting how prediction accuracy changed with these substitutions.

This process allows the model to be verified each year by measuring the total deviation of the prior year's forecast from the demands that eventually occurred. This process also notes the portions of this overall deviation that arose from inaccuracy in projection inputs versus inaccuracy in the model itself. Tables 9 through 12 show the predictive performance of the prior year forecast by comparing the predicted and observed water demands in the 2023 forecast Base Year (April 2022 – March 2023).

This process is used to evaluate two questions.

1. Should the coefficients of the demand models be updated?
2. Should the models be calibrated to the new Base Year prior to updating the long-term forecast?

The forecast model for the SF sector, shown in Table 9, captured the regional water demand with a forecast deviation of 0.46 mgd (over-estimated actual demand) which is 0.35% of the total observed SF water demand. Since this model is developed as one regional water demand forecast model, deviations across all the service areas are not in the same order of accuracy. The largest percent deviation was observed in the City of New Port Richey at 32.26 % (0.37 mgd) followed by the City of St. Petersburg at 4.41% (0.44 mgd).

With increased population and households in the service area, the SF sector shows considerable increase in water demand from last year. Hot and dry weather conditions contributed to the significance of water demand increase this year. The increased water demand was captured very well by the SF model as seen in Table 9 with an overall accuracy of 0.35%, just 0.46 mgd higher than the observation.

Table 9. SF Demand Observations and Model Predictions for the Base Year (MGD)

WDPA	Observed	Estimated	Estimated minus Observed	Percent Error
PAS	27.77	26.69	-1.08	-3.89%
NPR	1.16	1.53	0.37	31.89%
NWH	12.09	12.53	0.43	3.60%
SCH	35.11	36.48	1.37	3.91%
COT	25.14	24.68	-0.46	-1.84%
PIN	17.49	16.86	-0.62	-3.56%
STP	9.98	10.42	0.44	4.41%
TBW	128.74	129.20	0.46	0.35%

The total MF demand forecast (Table 10) is estimated to have an overall deviation of -2.58% which is slightly less accurate than the SF sector estimates. The MF model underestimated the Base Year regional demand by 1.33 mgd.

Table 10. MF Demand Observations and Model Predictions for the Base Year (MGD)

WDPA	Observed	Estimated	Estimated minus Observed	Percent Error
PAS	2.91	2.66	-0.25	-8.59%
NPR	0.50	0.48	-0.02	-3.99%
NWH	3.90	3.63	-0.27	-6.91%
SCH	6.40	6.12	-0.28	-4.36%
COT	19.22	19.57	0.35	1.81%
PIN	9.49	8.77	-0.72	-7.59%
STP	9.11	8.97	-0.14	-1.54%
TBW	51.52	50.19	-1.33	-2.58%

The NR sector is estimated with an overall error percentage of 16.33% (Table 11). The Base Year NR sector water demand is estimated to be 8.36 mgd higher than the observed demand. This significantly high value strongly suggests the need to be corrected to the current Base Year. The City of Tampa constitutes the highest deviation with 6.45 mgd, a 31.09% deviation from the observation. Please note that the COT Base Year data are based on observations through August 2022.

Table 11. NR Demand Observations and Model Predictions for the Base Year (MGD)

WDPA	Observed	Estimated	Estimated minus Observed	Percent Error
PAS	7.27	6.47	-0.80	-11.05%
NPR	0.47	0.59	0.12	24.38%
NWH	2.62	3.10	0.47	18.06%
SCH	5.42	6.31	0.89	16.46%
COT	20.74	27.19	6.45	31.09%
PIN	7.51	8.00	0.49	6.57%
STP	7.17	7.91	0.74	10.35%
TBW	51.20	59.56	8.36	16.33%

Table 12 illustrates the overall accuracy of the forecast model by comparing the sum of the three sector estimates, retail demand, with the corresponding observed total retail demand in the Base Year. The total predicted demand was overestimated by 3.23% (7.49 mgd) higher than the observed total. The NR sector constitutes most of the deviations seen in the retail water demand estimate.

Table 12. Base Year Total Retail Demand Observations and Model Predictions (mgd)

WDPA	Observed	Estimated	Estimated minus Observed	Percent Error
PAS	37.95	35.82	-2.1	-5.62%
NPR	2.13	2.60	0.5	22.03%
NWH	18.61	19.25	0.6	3.44%
SCH	46.92	48.91	2.0	4.23%
COT	65.10	71.43	6.3	9.73%
PIN	34.48	33.63	-0.9	-2.47%
STP	26.26	27.31	1.0	3.97%
TBW	231.46	238.95	7.49	3.23%

According to Tables 9-12, model prediction error is on the high side, especially in the NR sector. The 2022 model estimated the current Base Year sectoral (SF, MF, NR), and total retail water demands with 0.35%, -2.58%, 16.33% and 3.23% errors respectively.

Some model estimate error is expected from any model. Predictors that influence the state of water demand stem from the projected socio-economic parameters which themselves are prone to projection errors as observed in this annual update. The combined uncertainties in the input data, such as billing data and projected explanatory variables, coupled with the inherent model error shown in Table 12 calls for the need to recalibrate the current base year estimate to match the estimated demand with observation. Therefore, the Base Year calibration factors were updated in such a way that the estimated demand matches with the observation in the Base Year.

4. Probabilistic Projections and Forecast

This section provides a summary of the probabilistic demand forecast approach used in this update.

Uncertainties in the modeling results come from the uncertainties in the model input parameters and the inherent error residuals of the models themselves. The future state of water demand in Tampa Bay Water's service areas cannot be predicted with absolute certainty as the explanatory and driver variables involved in the demand estimate are not predicted with certainty. These combined uncertainties will predict the water demand forecasts among the WDPAs with some percentage of uncertainty.

The procedure developed to determine the explanatory and driver variables for the deterministic forecast approach (the approach used in our previous updates used only a single demand forecast scenario) was expanded based on assumptions about the range over which any given variable can vary (including their possible combinations) to incorporate uncertainty in both input data and model error residual. Model error residual was quantified by producing a complete WDPA-level model residual (or errors) of model predictions from WDPA-level observations. Using a probabilistic approach, these residuals are sampled to account for model uncertainty during forecasting.

A principal design criterion in developing these mechanisms was to ensure, at each step, that the median of any probabilistic forecast would agree with deterministic forecast results.

Where applicable and supported by observations and/or reasonable assumptions, Monte Carlo procedures were implemented to capture cross-correlations between variables as needed.

In the sections that follow, probabilistic input variable procedures (explanatory and driver) are described first, then the model error evaluation (hindcasting and model uncertainty) evaluations are described. Finally, the full probabilistic forecast is presented incorporating both forms of uncertainty.

4.1. Probabilistic Explanatory and Driver Procedures

Probabilistic projection methods were developed for most (but not all) explanatory and driver variables, including:

- Drivers: SF units, MF units, NR square footage,

- Socioeconomic explanatory variables including:
  - SF and MF persons per household
  - Real median household income
  - Real marginal price of water and sewer
- Weather variables, and
- SF, MF, and NR efficiency factors.

Due to a lack of suitable uncertainty information, probabilistic projections were not generated for reclaimed fractions, sub-sectoral square footage fractions, or housing density. Only point projections were used for these three variables in probabilistic forecasting.

4.2. Probabilistic Projections from Moody's and BEBR Sources

Procedures developed for the point forecast are generally followed in the probabilistic model. The procedure entails generating all parameters except for price of water using Moody's and BEBR data sources at the county level. The county-level information is then translated to the WDPA-level using FDOT TAZ-level projections. In all cases, variables were point-projected by growing base-year estimates using annual change rates derived from BEBR/Moody's/FDOT amalgamations.

Of the original projected data sources, BEBR and Moody's Analytics contained additional information that either directly expressed or indirectly implied quantitative projection uncertainty.

- The BEBR population projections consisted of low, medium, and high scenarios. According to source documentation, the standard "medium" projection reflected the central tendency for future population, while the high-to-low interval contained the central 75% of likely population outcomes, as indicated by BEBR's internal statistical review of past projections and real outcomes.
- In addition to their projected data, Moody's Analytics provided variables spanning as far back as 1980 (1970 for some variables). Historical data exhibited short-term (annual) fluctuations, often around discernable long-term trends in these variables.

To incorporate uncertainty in driver variables and all selected socioeconomic variables except price, point procedures were expanded to include uncertainty in BEBR and Moody's projections. Population projection scenarios from BEBR and fluctuations from Moody's historical data were used to generate possible source data projections from which WDPA-

level model input variables can be generated through the probabilistic approach yielding distributions of explanatory and driver variables. Each of the generated input variables are used to estimate water demand projections by using the point forecast approach. To generate projections of SF and MF dwelling units, NR square footage, SF and MF persons per household, and real median household income, the point projection procedures were then applied, replacing the original single deterministic BEBR and Moody's data with values from multiple samples from the distributions already defined.

4.3. Probabilistic Projections from Other Sources

Probabilistic projection variables not derived from Moody's and BEBR sources included real marginal price, sectoral efficiency factors, temperature departure, and precipitation departure. Price and efficiency factors were projected with independent procedures and were not intercorrelated with one another.

Real Marginal Price. Because of the joint sensitivity of the demand forecast to price and income, several options were possible for specifying uncertainty in price by WDPA and year.

Price was projected for each WDPA and year assuming future values follow a normal distribution with standard deviations corresponding to 3% of the mean and zero cross-correlations (independent sampling) among WDPAs.

Efficiency Factors. The elements of the efficiency factor projection logic which were potentially subject to uncertainty include: distribution of toilets by gallon per flush (gpf) classification and WDPA, average toilet lifetime, and 1.6 gpf vs 1.28 gpf market fractions in each future year.

The uncertainty is captured by varying market fractions over time, while accepting base-year gpf classification toilet counts as given and assuming no uncertainty in average lifetimes.

Weather Variables. Unlike other variables which were specified annually in point and probabilistic forecasts, weather departures were the only variables specified by month/year. Weather variability was simulated nonparametrically by sampling historical monthly WDPA weather departures from the long-term weather data then randomly pairing those samples with annual-scale samples of drivers and other explanatory variables.

4.4. Model Uncertainty Simulation in Probabilistic Forecasts

Model residual characteristics from the historical time series of model errors were used to represent model uncertainty in probabilistic forecasts. As with weather, a nonparametric sampling approach was taken wherein 12-month contiguous periods of residuals were sampled from the historical record, e.g., October 2001-September 2002 for all WDPAs as one sample, November 2001-October 2002 for all WDPAs as another, etc. Each 12-month residual sample was randomly assigned to a corresponding sample of driver and explanatory variables for a forecast year.

4.5. Probabilistic Forecast

The probabilistic forecast was therefore composed of multiple samples of predicted demands for each forecast year and month, determined from:

- Sectoral driver unit, sectoral PPH, and median household income samples for each WDPA (annual time steps), jointly sampled to retain correlations among WDPAs and variables,
- Real marginal price samples for each WDPA (annual time steps), sampled independently among WDPAs and independently from other variables,
- Point (or deterministic) projections for reclaimed fractions, NR sub-sectoral square footage fractions, and sectoral housing densities (annual time steps),
- 12-month samples of monthly historical weather for each WDPA (monthly time steps), jointly sampled between weather variables and WDPAs to retain weather correlations and persistence but independently sampled from other variables,
- 12-month samples of monthly total retail residual fractions for each WDPA (monthly time steps), jointly sampled between WDPAs to retain residual correlations and persistence but independently sampled from other variables, and
- Point forecast assumptions for wholesale and unbilled demands.

Each monthly demand sample was formed by applying explanatory and driver variables from the corresponding month and year to sectoral models, summing to produce monthly total retail demand for each WDPA, and then applying wholesale and unbilled assumptions for the final demand estimate.

The mean and median of the Probabilistic Demand Forecast values agreed well with the point forecast.

Due to the growing degree of driver uncertainty with time, model uncertainty has a larger contribution to overall uncertainty in early years. Uncertain drivers produced growing demand uncertainty with time following the BEBR population projection pattern that grows wider with time.

5. Long-Term Demand Forecast Update

The median long-term forecast of demand (i.e., for the years after the Base Year from 2023 - 2043) was produced using revised socio-economic projections and corresponding assumptions when they were not available. The revised median long-term demand forecast will be presented to the Board of Directors, at or just after the end of each calendar year and used to estimate how much water Tampa Bay Water budgets for delivery in the upcoming water years. This year, the updated forecast will be presented to the Board of Directors in January 2024.

Data sources used for the Base Year evaluation and the future state of water demand include the following:

- The most recent American Community Survey (ACS) 5-year average observations over 2017-2021, including statistical estimates at block group level aggregated to WDPA for:
  - Total, Single-family, and Multi-family Population
  - Occupied Single-family and Multi-family Housing Units
  - Median Household Income
- University of Florida Bureau of Economic and Business Research (BEBR) (2025 to 2050 with 5-year intervals and population estimate for 2022)
  - Total population projection by County with low, medium, and high population scenarios
- MOODY'S County-level projections for 2023-2053 with historical estimates that extend as far back as 1971 for some variables.
  - Total population and households
  - Single-family and multi-family housing stock
  - Total employment and employment by various subsectors
  - Median household income
- FDOT TAZ-level projections for 2015, 2035, and 2045 (updated 2020). The 2020 data is the most recent data from FDOT, the next update will be in 2025.
  - Total dwelling units
  - Total population
  - Total employment and employment by various subsectors
- Tampa Bay Water/Members
  - Historical marginal price for water and sewer at 8001 gallons per month for single family residential use (for each member)

- Base Year consumption and accounts by sector (derived from property appraiser) and WDPA
- Base Year wholesale and total delivery by WDPA

An interpolated BEBR estimate of total population in Hillsborough, Pasco, and Pinellas Counties for 2023 is estimated to be 3.03 million. The total population served by Tampa Bay Water is approximately 2.60 million people, about 85.8 % of the total estimated population. The regional population growth rate through the year 2043 based on BEBR projections is about 1.09% per year. As shown on Figure 2, population in Pinellas County is projected to grow at 0.37% per year through 2043, population for Hillsborough County is projected to increase at 1.32% per year through the forecast period, while population in Pasco County is projected to increase at the highest growth percentage rate at 1.68% per year.

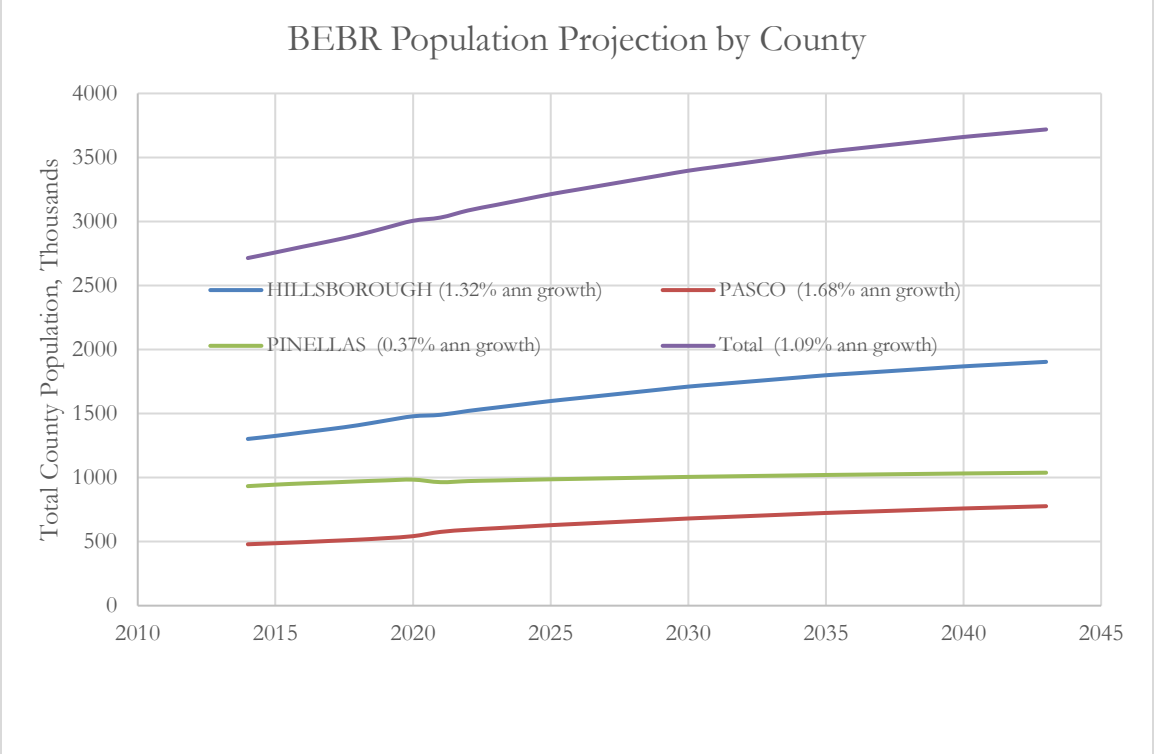


Figure 2. Total County Population Projections.

5.1. Update of Model Variable Projection Data

This section presents results of driver and explanatory variable projections applied to the updated Base Year long-term demand forecast.

Model input variables are derived and updated based on the recent socioeconomic projection data collected during the Base Year since April 2022. The updated variables determine the Base Year unit use of water in each sector (SF, MF and NR) and WDPA. The numbers of units (drivers) for each sector (SF, MF and NR) and WDPA are also projected from the same source data. The unit use of water coupled with the associated drivers generates the total water demand in each sector, WDPA, and in the agency's service areas in total.

5.1.1. Single-family and Multi-family Units

SF and MF Housing units are projected by growing base-year unit totals according to growth rates derived from BEBR county population projections; Moody's County-level population, number of households, SF and MF sectoral stock projections; historical population and households from American Community Survey (ACS); and FDOT population and housing unit projections by Traffic Analysis Zones (TAZ).

County level population and household projections from data sources listed above are subject to a process developed to split the total households and population into the SF and MF populations and households, and further into the seven WDPAs. The rate at which population grows between the three sources (BEBR, Moody's, and TAZ) can be similar or different.

The 2023 projections of single-family and multi-family units by WDPA are shown on Figures 3 and 4 and Tables 13 and 14.

- SF housing units are projected to grow from 560,617 units in 2023 to 714,606 units in 2043, a change of 153,989 units (total change of 24.47%, 0.9% per year compounded)

- MF housing units are projected to grow from about 315,997 units in 2023 to 388,672 units in 2043, a change of 72,675 units (total change of 23%, 0.77% per year compounded)

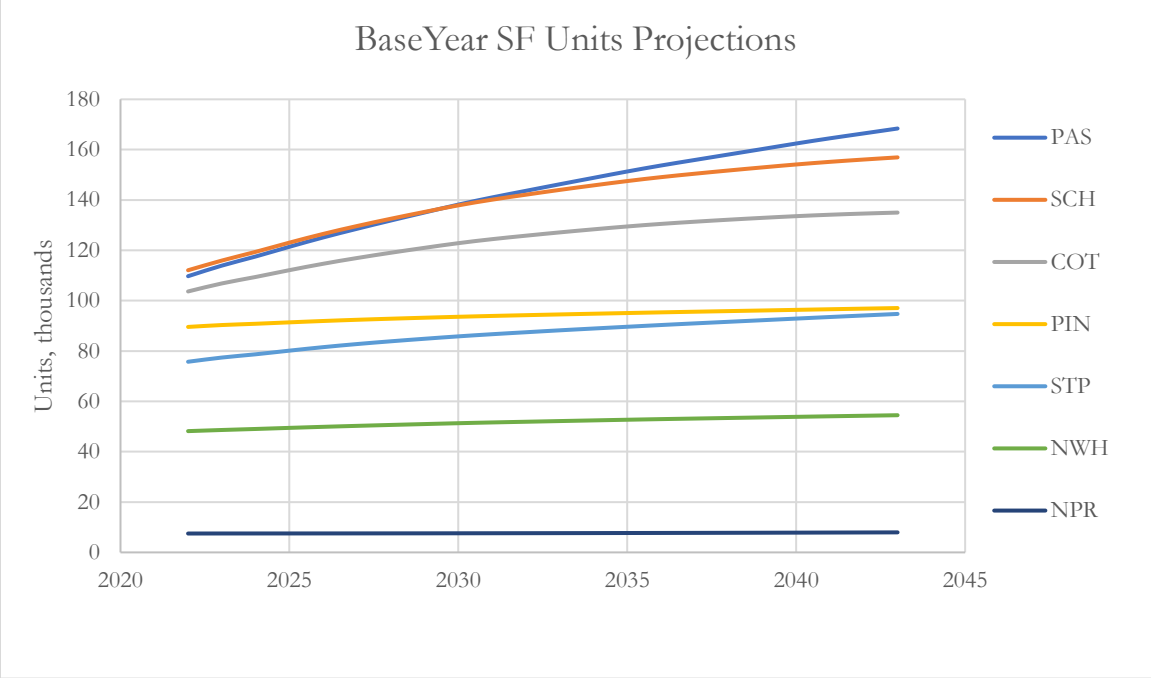


Figure 3. Single-Family Units Projections by WDPA

Table 13. Starting and Ending-year Projections of SF Housing Units for the Base Year Forecast

	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
2023	**113,936**	**7,516**	**48,630**	**115,942**	**106,858**	**90,325**	**77,410**	**560,617**
2043	**168,401**	**7,956**	**54,499**	**156,935**	**135,003**	**97,076**	**94,735**	**714,606**
Change	**54,466**	**440**	**5,869**	**40,994**	**28,145**	**6,752**	**17,325**	**153,989**
% Change	**47.80%**	**5.85%**	**12.07%**	**35.36%**	**26.34%**	**7.47%**	**22.38%**	**27.47%**
Growth Rate	**1.46%**	**0.21%**	**0.42%**	**1.13%**	**0.87%**	**0.27%**	**0.75%**	**0.90%**

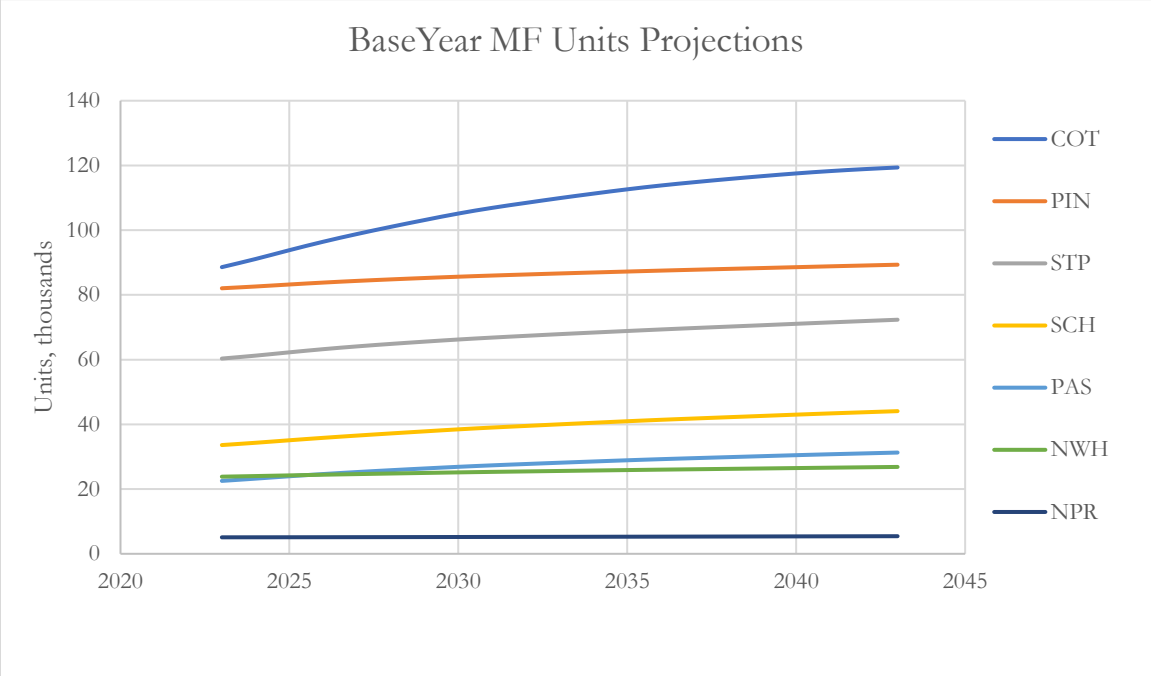


Figure 4. Multi-Family Units Projections by WDPA

Table 14. Starting and Ending-year Projections of MF Housing Units for the Base Year Forecast.

	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
2023	**22,527**	**5,091**	**23,833**	**33,600**	**88,575**	**82,046**	**60,325**	**315,997**
2043	**31,281**	**5,437**	**26,844**	**44,080**	**119,372**	**89,331**	**72,327**	**388,672**
Change	**8,754**	**347**	**3,011**	**10,480**	**30,797**	**7,285**	**12,001**	**72,675**
% Change	**38.86%**	**6.81%**	**12.63%**	**31.19%**	**34.77%**	**8.88%**	**19.89%**	**23.00%**
Growth Rate	**1.22%**	**0.24%**	**0.44%**	**1.01%**	**1.11%**	**0.32%**	**0.67%**	**0.77%**

Figure 5 illustrates the projected regional trend, showing projected total SF and MF units over 2023-2043 along with annual average growth rates. In this figure, projections of SF housing units are shown to grow annually at 0.9%, while projections of MF housing units are shown to grow at 0.77% annually over the forecast period. This reflects a projection of new development becoming relatively more dominated by SF dwellings in the future. Prior forecasts have shown similar trends.

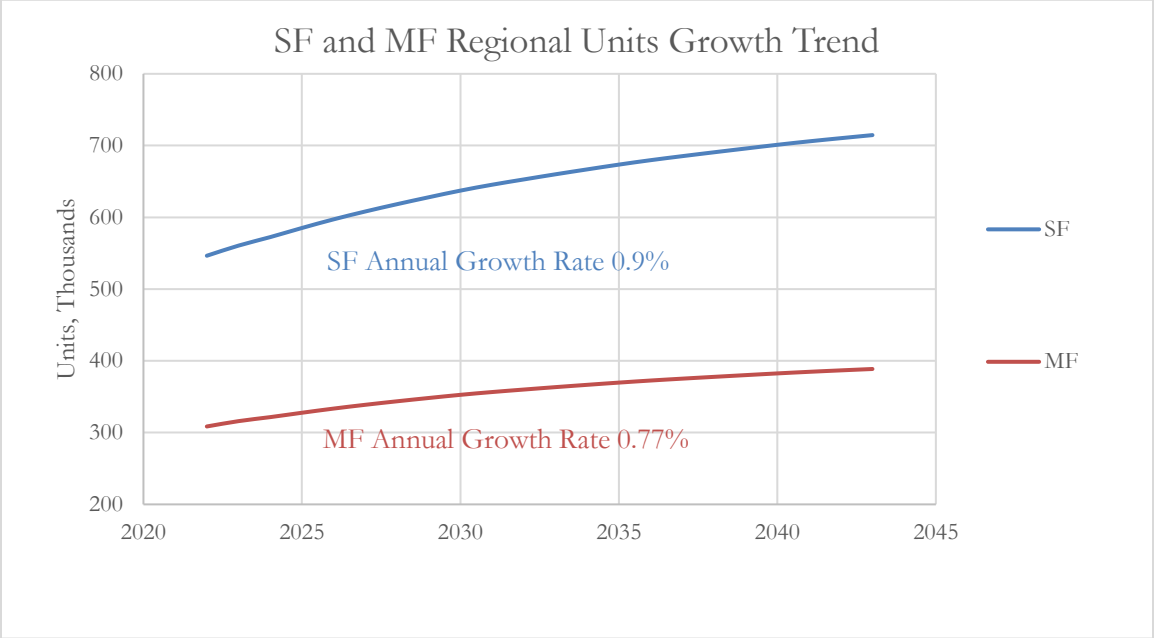


Figure 5. Total Regional Projected SF and MF Housing Units Projections with Annual Average Growth Rates

Figure 6 shows a comparison of total (SF + MF) projected dwelling units in the current Base Year forecast with the projections used in the Base Year 2021/2022 forecast.

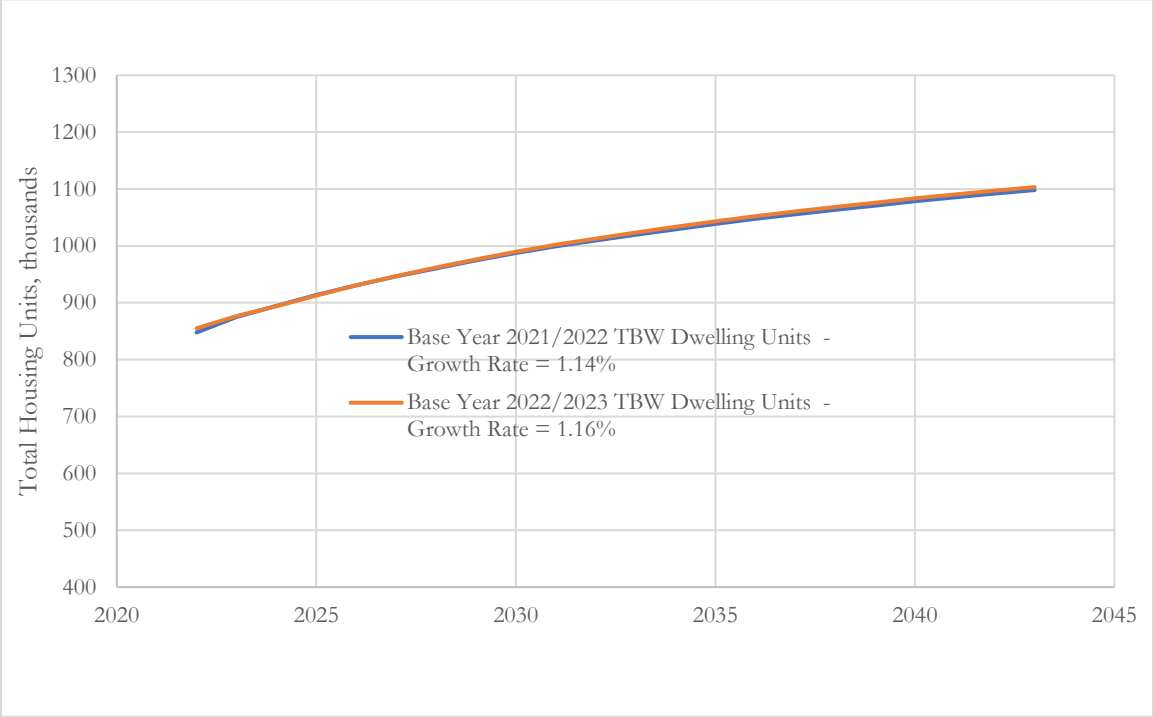


Figure 6. Projections of Total Housing Units in Tampa Bay Water Service Area

The Base Year 2021/2022 Forecast (blue line in Figure 6) shows the projected annual growth rate for total number of housing units in the Tampa Bay region was 1.14% (from 2023 to 2043). The current Base Year (2022/2023) forecast (red line in Figure 6) has a similar growth rate with an overall annual growth rate of 1.16%.

5.1.2. Non-Residential Square Footage Projections

The Base Year projections of NR square footage (in thousands of square feet or ksf) by WDPA are shown in Figure 7 and Table 15. These projections were developed by growing the Demand Management Plan sub-sectoral square footage totals for the Base Year according to sub-sectoral employment projections compiled from Moody's Analytics and the Florida Department of Transportation, then summing to total square footage. Agency-wide, square footage is projected to grow from about 632,074 ksf in 2023 to 740,077 ksf in 2043, a change of about 108,003 ksf (total change of 17.09%) which is 0.0.79% per year compounded.

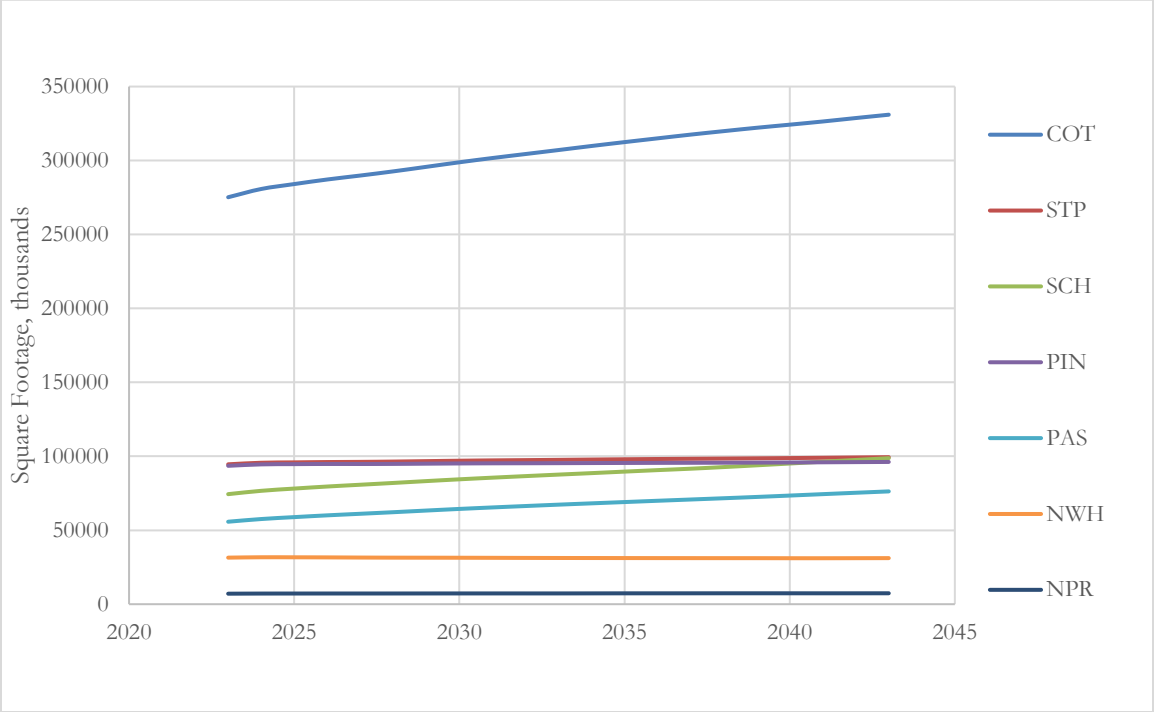


Figure 7. NR Square Footage Projection by WDPA

Table 15. Starting and Ending-year Projections of NR ksf for the Base Year Forecast

	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
2023	55,763	7,103	31,480	74,408	275,171	93,569	94,581	632,074
2043	76,265	7,379	31,149	98,713	330,973	96,185	99,413	740,077
Change	20,502	276	(331)	24,305	55,802	2,616	4,832	108,003
% Change	36.77%	3.88%	-1.05%	32.66%	20.28%	2.80%	5.11%	17.09%
Growth Rate	1.58%	0.19%	-0.05%	1.42%	0.93%	0.14%	0.25%	0.79%

5.1.3. Real Median Household Income Projections

Projected real median household income levels for the forecast period are shown in Figure 8 and Table 16. Projected incomes are derived by growing base-year estimates according to Moody's Analytics projections of median income growth for each county and then adjusting to constant dollar terms by assuming 3.2 % long-term inflation. At this assumed rate of inflation, real median household income growth rates across the WDPAs ranges between 0.14% and 0.39 % annually. With the same assumed inflation rate, the current estimated

growth rate is relatively lower when compared to the prior year estimates which ranged between 0.33% to 0.66% within WDPAs.

5.1.4. Real Marginal Price of Water and Sewer Projections

Projected real marginal price of water and sewer for the forecast period are shown in Figure 9 and Table 17. Projected prices are derived by growing base-year estimates by 0.8% per year in real dollar terms, which reflects the average annual inflation-adjusted growth rate in real marginal price across all WDPAs over the period 2011-2022. This growth rate is the same as the previous demand forecast update.

5.1.5. SF and MF Persons Per Household Projections

SF and MF Persons Per Household (PPH) were projected by:

- deriving annual rates of change in SF and MF PPH from
  - BEBR county population projections,
  - Moody's County-level population, household, and SF and MF sectoral stock projections, and
  - FDOT population and housing unit projections by TAZ (all in tandem with development of dwelling unit projections), then
- applying those rates of change to Base Year SF and MF PPH estimates by WDPA

Results of updated projections of persons per household for the single-family and multi-family sectors for each WDPA are shown in Figures 10 and 11 and Tables 18 and 19 respectively.

The PPH projections are estimated to decline from 2.57 in 2023 to 2.41 in 2043, at annual rate of -0.31% for SF sector and from 1.96 in 2023 to 1.84 in 2043 at annual rate of -0.32% for the MF sector.

5.1.6. SF and MF Housing Density Assumptions

Projected SF and MF housing densities are held constant at Base-Year values (Table 4). Over short-term projection periods, average densities for the WDPAs are not likely to rapidly change as most residential units in existence at the end of such periods will have already been in existence in the Base Year. This prevents large changes in WDPA-average density from new incremental development. Until additional information becomes available to project how and when development density will change in the future, the assumption of fixed density is used in this forecast.

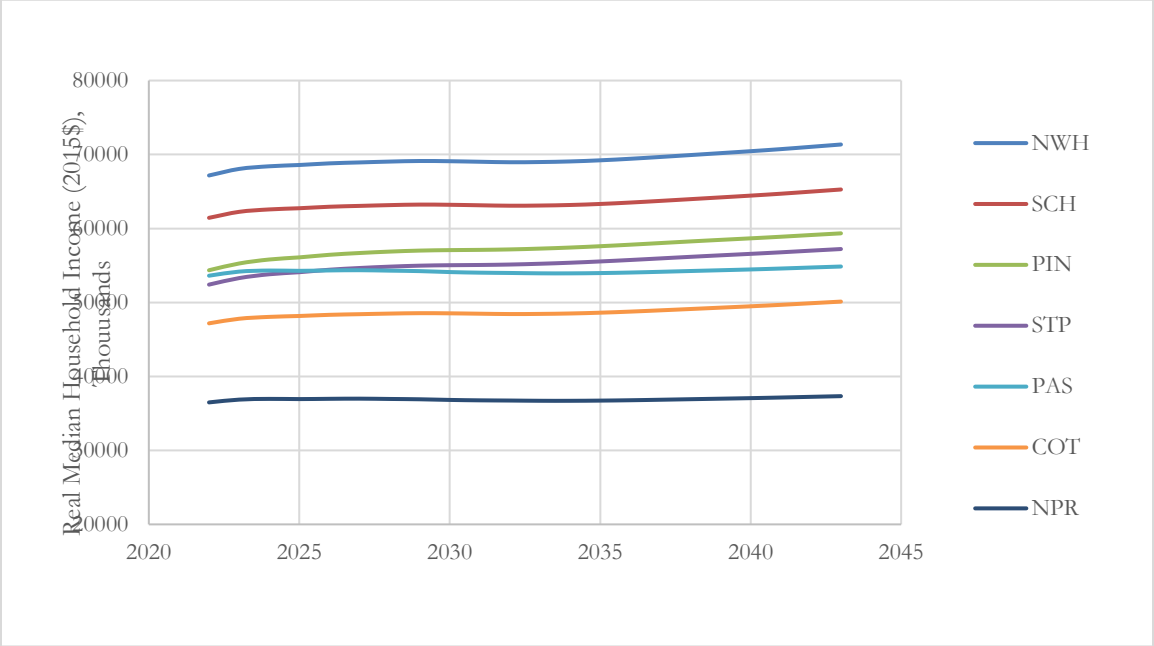


Figure 8. Base Year 2022/2023 Real Median Household Income Projection by WDPA

Table 16. Starting and Ending-year Projections of Real Median Household Income for the Base Year Forecast adjusted to the 2015 dollars at assumed 3.2 percent long-term inflation rate.

	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
2023	**54171**	**36866**	**68051**	**62251**	**47799**	**55269**	**53293**	**53957**
2043	**54860**	**37335**	**71354**	**65272**	**50118**	**59344**	**57223**	**56501**
Change	**689**	**469**	**3303**	**3021**	**2320**	**4075**	**3929**	**2544**
% Change	**1.27%**	**1.27%**	**4.85%**	**4.85%**	**4.85%**	**7.37%**	**7.37%**	**4.71%**
Growth Rate	**0.06%**	**0.06%**	**0.24%**	**0.24%**	**0.24%**	**0.36%**	**0.36%**	**0.23%**

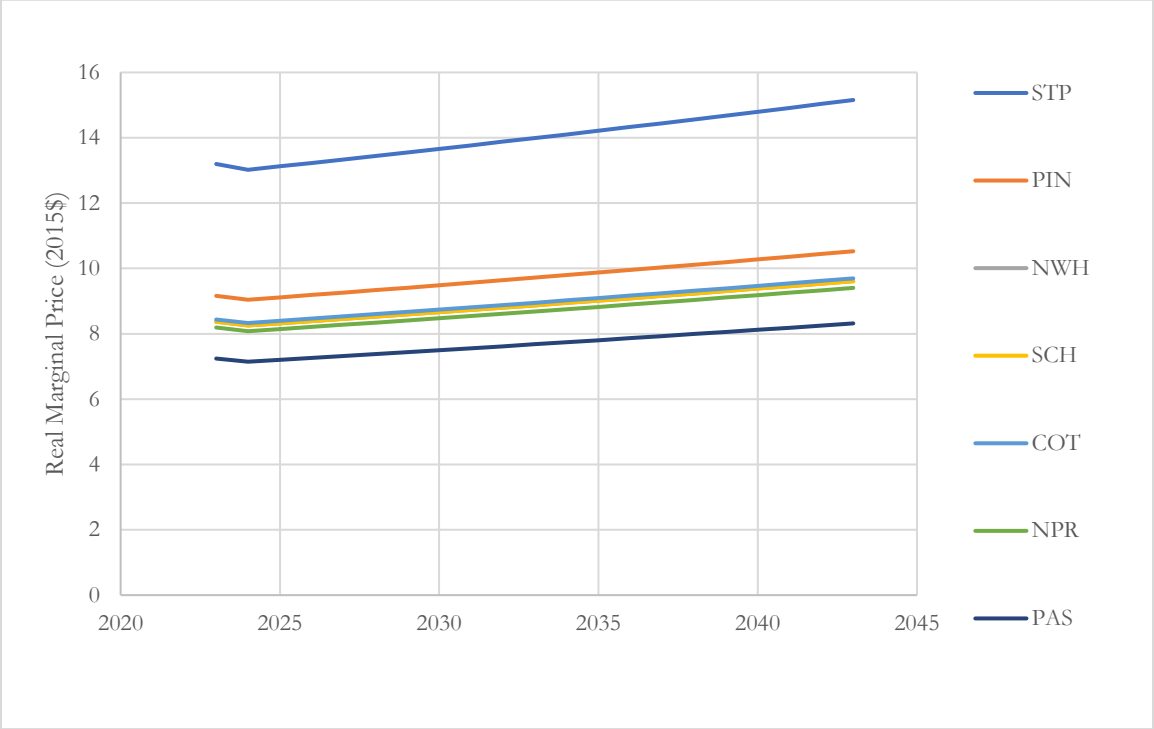


Figure 9. Projections of Real Marginal Price by WDPA (2015 dollars)

Table 17. Starting and Ending-year Projections of Real Marginal Price of Water and Sewer for the Base Year Forecast (2015 dollars)

	PAS	NPR	NWH	SCH	COT	PIN	STP
2023	**7.24**	**8.19**	**8.37**	**8.37**	**8.44**	**9.16**	**13.19**
2043	**8.32**	**9.41**	**9.61**	**9.61**	**9.70**	**10.53**	**15.16**
Change	**1.08**	**1.22**	**1.24**	**1.24**	**1.25**	**1.36**	**1.96**
% Change	**14.9%**	**14.9%**	**14.9%**	**14.9%**	**14.9%**	**14.9%**	**14.9%**
Growth Rate	**0.70%**	**0.70%**	**0.70%**	**0.70%**	**0.70%**	**0.70%**	**0.70%**

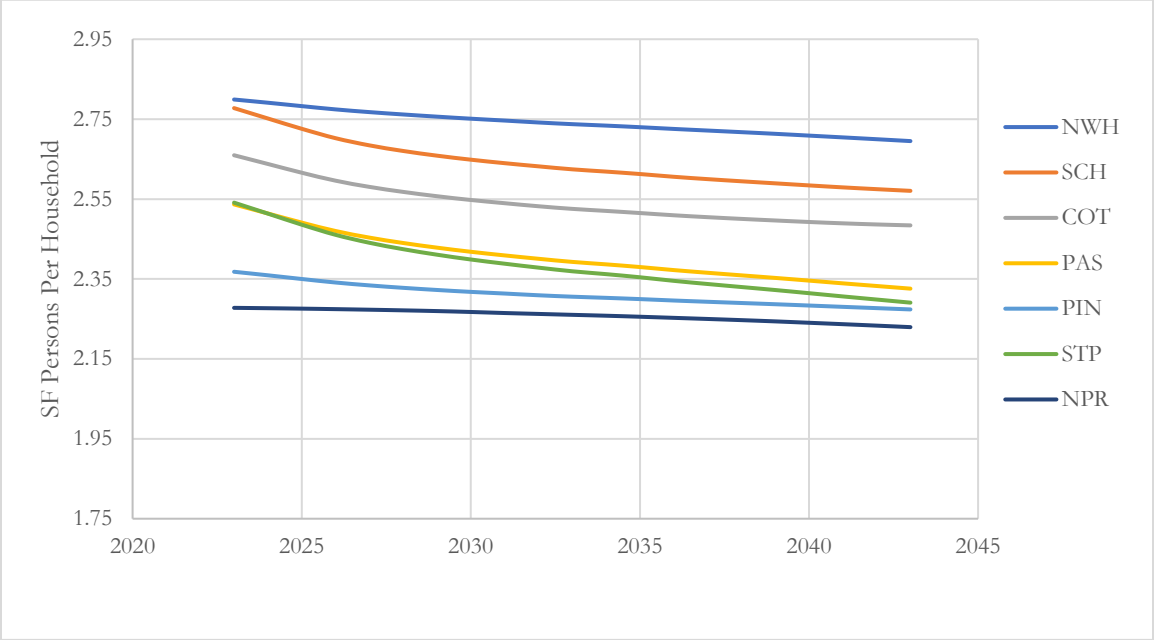


Figure 10. Projections of SF Persons Per Household by WDPA

Table 18. Starting and Ending-year Projections of SF Persons Per Household for the Base Year Forecast

	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
2023	**2.54**	**2.28**	**2.80**	**2.78**	**2.66**	**2.37**	**2.54**	**2.57**
2043	**2.33**	**2.23**	**2.70**	**2.57**	**2.48**	**2.27**	**2.29**	**2.41**
Change	**-0.21**	**-0.05**	**-0.10**	**-0.21**	**-0.18**	**-0.09**	**-0.25**	**-0.16**
% Change	**-8.31%**	**-2.12%**	**-3.72%**	**-7.46%**	**-6.60%**	**-3.98%**	**-9.85%**	**-6.07%**
Growth Rate	**-0.43%**	**-0.11%**	**-0.19%**	**-0.39%**	**-0.34%**	**-0.20%**	**-0.52%**	**-0.31%**

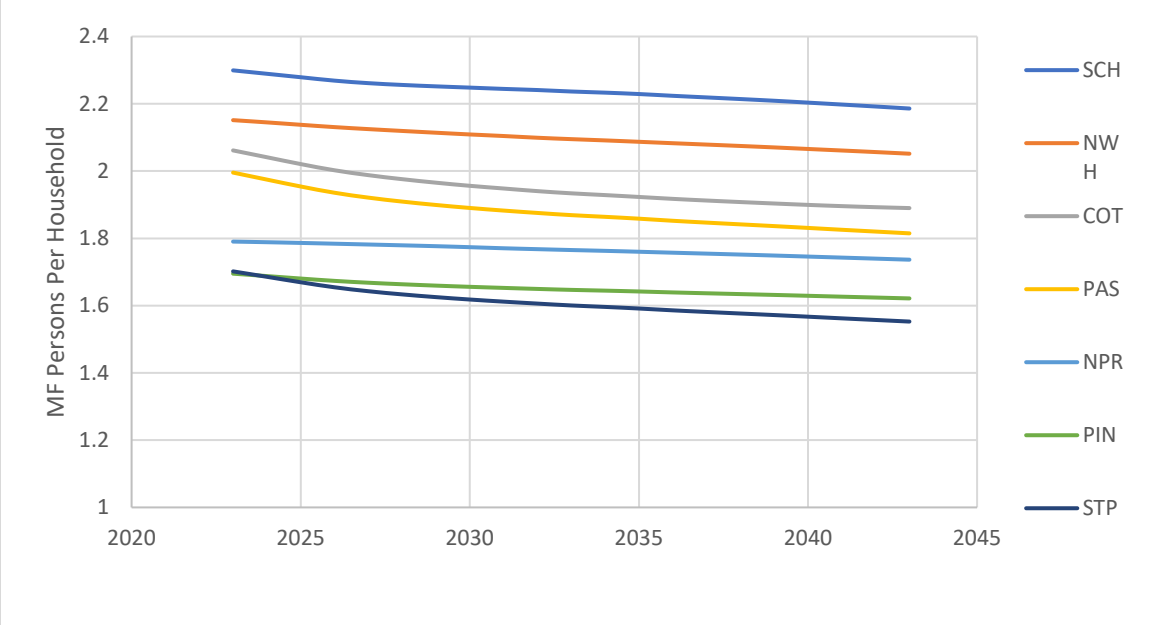


Figure 11. Projections of Multi-Family Persons Per Household by WDPA

Table 19. Starting and Ending-year Projections of MF Persons Per Household for the Base Year Forecast

	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
2023	**2.00**	**1.79**	**2.15**	**2.30**	**2.06**	**1.69**	**1.70**	**1.96**
2043	**1.81**	**1.74**	**2.05**	**2.19**	**1.89**	**1.62**	**1.55**	**1.84**
Change	**-0.18**	**-0.05**	**-0.10**	**-0.11**	**-0.17**	**-0.07**	**-0.15**	**-0.12**
% Change	**-9.05%**	**-3.01%**	**-4.64%**	**-4.94%**	**-8.32%**	**-4.34%**	**-8.77%**	**-6.15%**
Growth Rate	**-0.47%**	**-0.15%**	**-0.24%**	**-0.25%**	**-0.43%**	**-0.22%**	**-0.46%**	**-0.32%**

5.1.7. Projections of Fraction of SF and NR Water Use Locations with Reclaimed Service

Projected fractions of SF, MF, and NR water use locations with reclaimed service are shown in Tables 20, 21 and 22. In all WDPAs except Pasco, the fraction of SF and NR water use locations with reclaimed service is projected to decline over time. This reflects an assumption that no new customer reclaimed connections will occur beyond those in existence in the Base Year, even as new potable water customers are established as the region develops. This assumption was made based on:

- limited availability of additional reclaimed supply for some WDPAs, and

- high likelihood of other, non-customer reclaimed projects in the future (e.g., various forms of supply augmentation) for other WDPAs.

In these cases, projections for the SF and NR sectors were made by holding the number of reclaimed locations constant at Base Year levels for each of the WDPAs and then growing the number of non-reclaimed locations from the Base Year at the same rates as projected SF dwelling units and NR square footage.

In the Pasco WDPA, projected reclaimed fractions for SF and NR sectors were held constant at Base Year values. This assumption implies that, as the WDPA grows, it will extend reclaimed service to customers at rates that maintain existing proportion of customers that have access reclaimed service. The assumption is based on,

- Pasco WDPA will likely have additional reclaimed supply available as that WDPA grows, and
- there are currently no plans for application of future reclaimed supply in non-customer applications.

Table 20. Starting and Ending-year Projections of SF Reclaimed Fractions

	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
2023	0.156	0.028	0.271	0.103	0.048	0.251	0.150	0.144
2043	0.156	0.027	0.239	0.074	0.033	0.228	0.115	0.124
Change	0.000	-0.001	-0.032	-0.029	-0.016	-0.024	-0.036	-0.020
% Change	0.00%	-4.82%	-11.78%	-28.23%	-32.32%	-9.38%	-23.71%	-13.60%
Growth Rate	0.00%	-0.25%	-0.62%	-1.65%	-1.93%	-0.49%	-1.34%	-0.73%

Table 21. Starting and Ending-year Projections of MF Reclaimed Fractions

	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
2023	0.007	0.005	0.101	0.009	0.041	0.370	0.054	0.084
2043	0.007	0.004	0.089	0.006	0.032	0.336	0.041	0.074
Change	0.000	0.000	-0.012	-0.003	-0.009	-0.035	-0.013	-0.010
% Change	0.00%	-3.61%	-12.21%	-27.94%	-22.10%	-9.41%	-23.48%	-12.19%
Growth Rate	0.00%	-0.18%	-0.65%	-1.63%	-1.24%	-0.49%	-1.33%	-0.65%

Table 22. Starting and Ending-year Projections of NR Reclaimed Fractions

	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
2023	0.014	0.063	0.206	0.132	0.039	0.206	0.092	0.107
2043	0.014	0.061	0.181	0.095	0.029	0.186	0.071	0.091
Change	0.000	-0.002	-0.025	-0.037	-0.009	-0.019	-0.022	-0.016
% Change	0.00%	-3.14%	-12.09%	-27.92%	-24.30%	-9.40%	-23.70%	-15.22%
Growth Rate	0.00%	-0.16%	-0.64%	-1.62%	-1.38%	-0.49%	-1.34%	-0.82%

5.1.8. Projections of Fraction of NR Square Footage in DMP Subsectors

Projections of fractions of NR square footage in DMP subsectors were developed in tandem with the NR square footage driver projections themselves (Section 5.1.2). In the NR square footage procedure, projections of square footage are developed for each DMP subsector within the WDPA, then summed across subsectors to project total square feet. To project sub-sectoral square footage fractions, projected subsector square footage was simply divided by projected total square footage. Projections summarized in Table 23 show the percentages of the employment sub-sectors weighted to the total employment; each has a different influence on water demand.

5.1.9. Weather Projections

Long-term normal weather is assumed for all months and years in the forecast period except for the Base Year, where observed monthly weather values were used.

Table 23. Starting and Ending-year Projections of DMP Sub-sectoral Square Footage Fractions

WDPA	Year	Education	Government	Health Care	Heavy Manufacturing	Hotels, motels	Light Manufacturing	Office Buildings	Restaurants and Fast Food Outlets	Retail Stores	Retirement	Other
PAS	2023	0.167	0.040	0.092	0.010	0.015	0.034	0.051	0.012	0.245	0.014	0.320
	2043	0.180	0.046	0.100	0.008	0.017	0.028	0.059	0.013	0.231	0.016	0.301
	Change	0.013	0.006	0.007	-0.001	0.002	-0.006	0.008	0.002	-0.014	0.001	-0.019
NPR	2023	0.143	0.057	0.135	0.000	0.037	0.002	0.091	0.017	0.196	0.026	0.296
	2043	0.150	0.048	0.142	0.000	0.040	0.001	0.103	0.018	0.189	0.027	0.280
	Change	0.008	-0.009	0.007	0.000	0.003	0.000	0.012	0.001	-0.007	0.001	-0.016
NWH	2023	0.138	0.023	0.047	0.007	0.006	0.019	0.129	0.011	0.271	0.033	0.314
	2043	0.147	0.024	0.050	0.007	0.006	0.019	0.151	0.012	0.235	0.035	0.312
	Change	0.009	0.001	0.003	0.000	0.000	0.000	0.021	0.000	-0.036	0.002	-0.001
SCH	2023	0.176	0.026	0.073	0.024	0.008	0.016	0.066	0.012	0.223	0.029	0.348
	2043	0.177	0.031	0.074	0.021	0.010	0.012	0.081	0.014	0.223	0.029	0.329
	Change	0.001	0.005	0.001	-0.003	0.001	-0.004	0.015	0.002	-0.001	0.000	-0.019
COT	2023	0.071	0.094	0.050	0.018	0.039	0.032	0.168	0.008	0.085	0.004	0.432
	2043	0.072	0.097	0.051	0.017	0.044	0.028	0.193	0.009	0.077	0.004	0.409
	Change	0.001	0.004	0.001	-0.001	0.004	-0.003	0.025	0.001	-0.008	0.000	-0.023
PIN	2023	0.080	0.084	0.045	0.021	0.070	0.150	0.111	0.012	0.126	0.049	0.253
	2043	0.081	0.088	0.045	0.019	0.078	0.137	0.124	0.014	0.118	0.049	0.247
	Change	0.001	0.005	0.000	-0.002	0.008	-0.013	0.013	0.001	-0.008	0.000	-0.006
STP	2023	0.099	0.061	0.071	0.013	0.026	0.084	0.219	0.008	0.114	0.043	0.261
	2043	0.099	0.064	0.071	0.012	0.028	0.077	0.243	0.009	0.101	0.042	0.253
	Change	0.000	0.003	0.000	-0.001	0.003	-0.007	0.024	0.001	-0.013	0.000	-0.008
TBW	2023	0.12	0.05	0.07	0.01	0.03	0.05	0.12	0.01	0.18	0.03	0.32
	2043	0.13	0.06	0.08	0.01	0.03	0.04	0.14	0.01	0.17	0.03	0.30
	Change	0.005	0.002	0.003	-0.001	0.003	-0.005	0.017	0.001	-0.013	0.001	-0.013

5.2. Updated Long-term Demand Forecast Results

Uncertainties in the demand models and the updated input parameters described in the previous section were used to generate 1000 long-term demand forecasts by using the probabilistic demand forecast procedure described in Section 4.

This section presents the Base Year long-term probabilistic demand forecast and comparisons of the median projection to the forecast performed in the previous year using the same model.

Figure 12 presents the median retail (SF + MF + NR) water demand of the Base Year 2022/2023 and Base Year 2021/2022 forecasts. For both the current and previous Base Year forecasts, the effects of continued growth in housing units and NR square footage outweigh the effects of slow projected income growth relative to growth in projected prices and overall declining persons per household.

Total projected water demand includes wholesale water and unbilled water use in addition to retail use. Pinellas County WDPA has the largest wholesale water use among all WDPAs, though wholesale use occurs to some extent in all WDPAs except Northwest and South-Central Hillsborough WDPA's. Unbilled use for each WDPA represents the difference between:

- the total of retail and wholesale water use within the WDPA, and
- the total of water delivered to the WDPA by Tampa Bay Water and any self-supply by the WDPA.

Wholesale demand for each WDPA is projected to remain at the Base Year values throughout the forecast period (i.e., no growth or decline in mgd), while unbilled demand in each forecast year is assumed to be the same percent of the billed demand as in the Base Year. This allows for growth in the amount of unbilled demand as the total retail and wholesale usage in a WDPA grows.

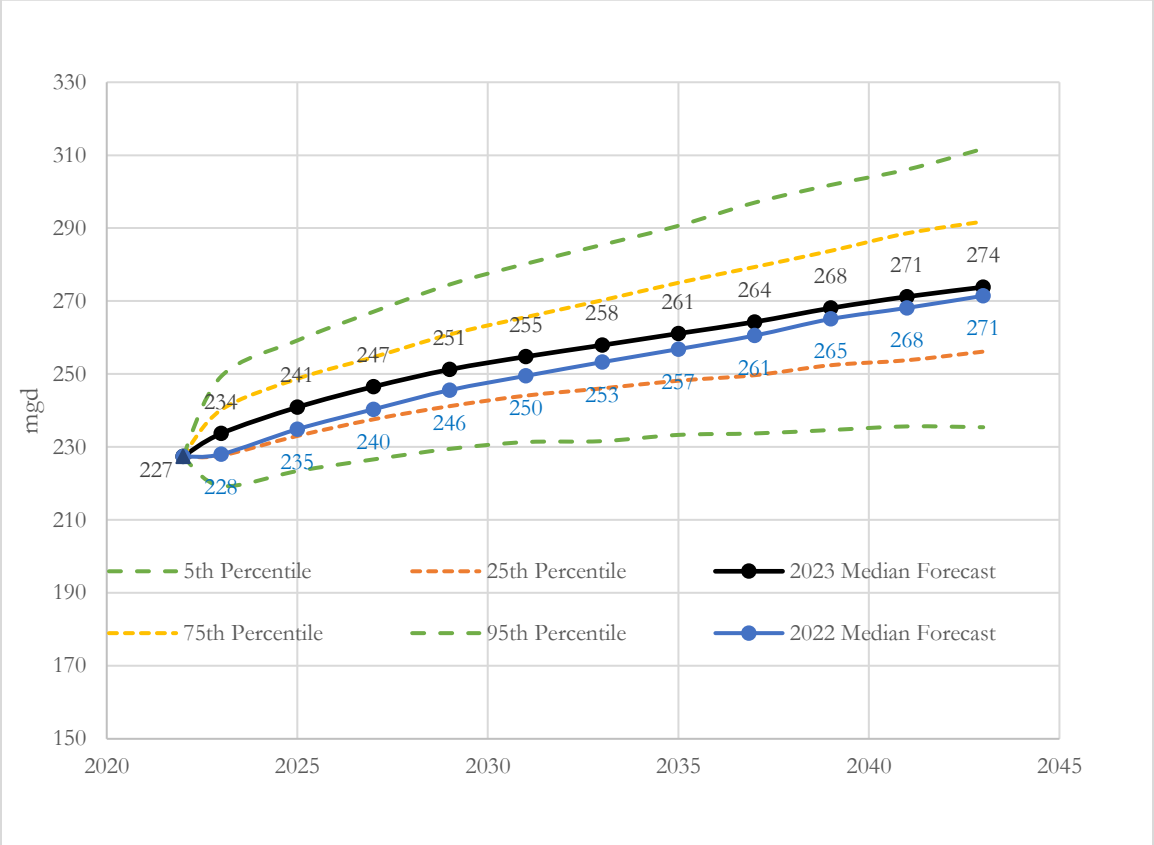


Figure 12. Comparison of retail water demand projections for Tampa Bay Water service areas between the 2022 median forecast (2021/2022 Base Year) and the current forecast (2022/2023 Base Year) with confidence intervals.

Figure 12 shows the 2022/2023 retail demand projection from the probabilistic forecast with consideration of passive efficiency and confidence levels of 5%, 25%, 50%, 75%, and 95%. The 50% retail demand is the median estimate of the 2022/2023 forecast shown by the solid black line with black dots and the 2021/2022 Base Year median retail demand is shown by the solid blue line with blue dots.

Throughout the first half of the 2010 decade, large changes occurred in the amount of water Pinellas County delivered to wholesale customers, as several former wholesale customers developed their own supplies and ceased or dramatically reduced wholesale purchases. As of this update, the only remaining wholesale customer that may cease wholesale purchases from Pinellas County in the future is the City of Clearwater. While the City of Clearwater's

wholesale demand was originally projected to come off-line in WY2015, bulk purchases of about 5 mgd have continued through and beyond the Base Year.

Figure 13 provides the forecasts for each component (retail, unbilled, and wholesale water use) of the total regional water demand through the 2043 forecast period. Unbilled water use percentages are assumed constant based on the most recent water year demand data.

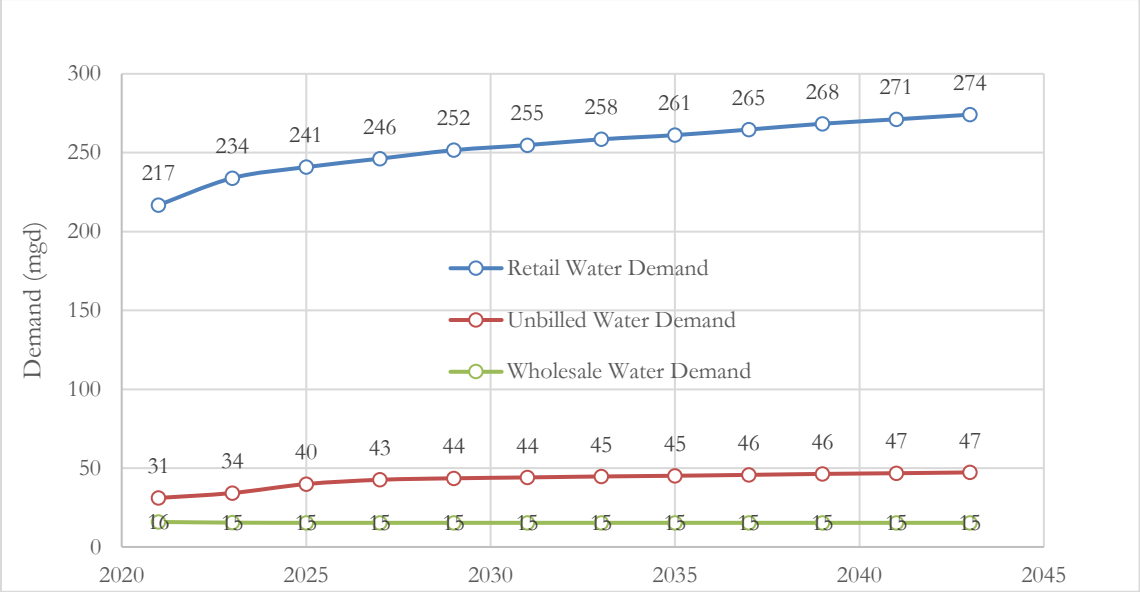


Figure 13. Median Retail, Unbilled and Wholesale Water Use Projections

Figure 14 shows the regional historic demand from 2000 through 2023, the Base Year 2021/2022 forecast, and the current Base Year 2022/2023 forecast. The new total regional forecast (black line in Figure 14) shows higher growth in demand when compared with the previous year median forecast mainly due to the substantial increase in projected residential units. The dry and hot weather conditions also contributed for higher water demand in the Base Year. Most of the increased demand is attributed to an increase in the residential sector particularly in the Pasco and SCH service areas.

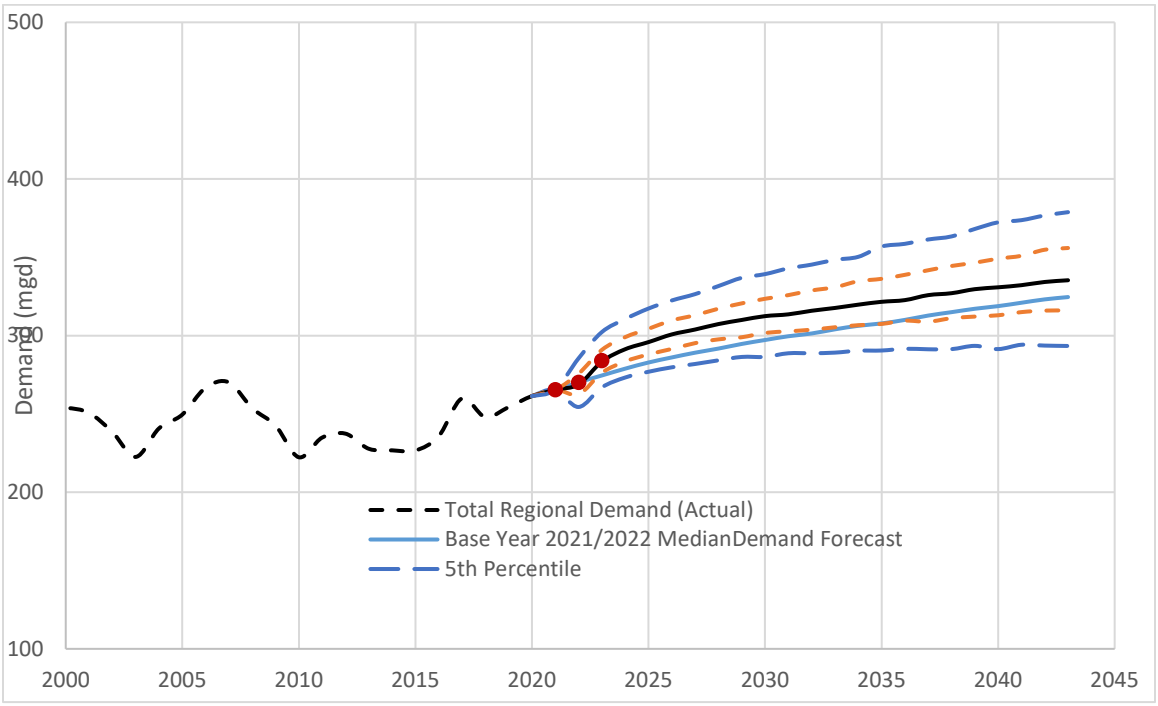


Figure 14. Historic Demand, 2022 forecast (Base Year 2021/2022) and the current probabilistic (Base Year 2022/2023) regional demand forecast.

The projected section of the probabilistic forecast is shown in Figure 15 and Table 24 provides projected water use for selected years from 2023 through 2043 for each water demand planning area and total regional demand.

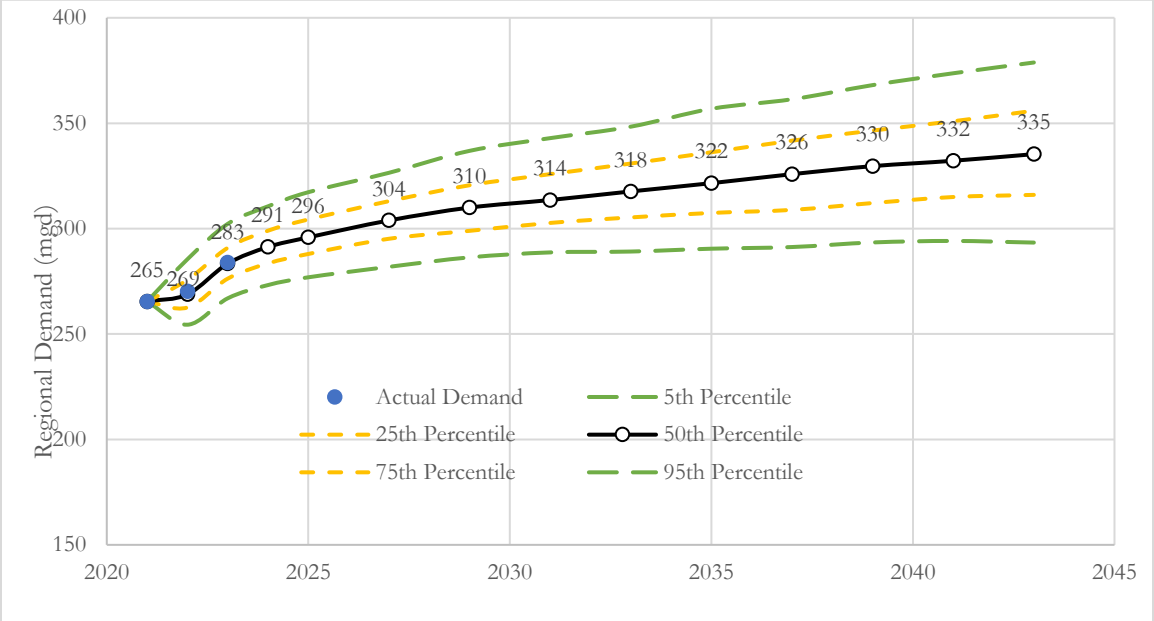


Figure 15. Tampa Bay Water Updated Probabilistic Regional Demand Forecast, Base Year 2022/2023

Table 24 shows the range of demand forecast with confidence intervals ranging from the 5th to 95th percentiles for selected future years. The orange shading is the observed demand of Water Year 2023. The median regional demand is projected to be 335 mgd by 2043. Given the current outlook of the socio-economic projections, the forecast interval varies between 293 mgd at the 5th percentile level and about 379 mgd at 95th percentile for the year 2043. Please note that the demand forecast is for the seven Water Demand Planning Areas and not all of this demand will be met by Tampa Bay Water; a portion of the demand will be met by member governments that hold individual public supply water use permits.

Table 24. Updated Probabilistic Regional Demand Forecast 2023-2043, Base Year 2022/2023

Water Year	Percentile	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW
2023*	**NA**	**38.28**	**3.49**	**21.77**	**58.06**	**83.08**	**50.73**	**28.55**	**283.96**
2024	5th	38.18	3.36	20.29	53.66	78.50	46.77	27.11	273.23
	25th	39.87	3.48	21.19	58.12	81.80	48.70	28.00	283.50
	50th	41.40	3.63	22.07	60.45	84.50	50.91	28.72	291.29
	75th	42.62	3.77	23.04	62.80	87.15	52.77	29.41	299.01
	95th	44.63	4.01	24.25	66.33	90.73	54.89	30.46	310.57
2025	5th	38.76	3.38	20.37	55.72	79.27	46.90	27.09	276.91
	25th	40.71	3.51	21.41	60.05	82.80	48.85	28.14	287.98
	50th	42.20	3.67	22.29	62.76	85.52	51.05	28.83	295.84
	75th	43.49	3.83	23.28	64.89	88.31	52.88	29.62	304.34
	95th	46.03	4.08	24.59	69.31	92.41	55.00	30.59	317.27
2030	5th	41.03	3.47	20.71	60.49	81.71	46.96	27.21	286.43
	25th	43.99	3.65	22.02	65.80	86.91	49.11	28.60	301.70
	50th	45.66	3.85	23.21	68.91	89.96	51.30	29.40	312.43
	75th	47.55	4.03	24.37	71.97	93.23	53.22	30.25	323.50
	95th	50.77	4.29	25.88	77.47	97.83	55.49	31.38	339.25
2035	5th	42.96	3.49	20.62	62.03	83.42	46.69	27.26	290.47
	25th	46.53	3.71	22.14	67.79	88.79	48.94	28.59	307.45
	50th	48.49	3.94	23.57	71.69	92.76	51.10	29.60	321.56
	75th	51.31	4.16	25.08	76.14	97.18	53.27	30.65	336.23
	95th	55.07	4.46	26.89	82.99	102.84	55.97	32.10	356.85
2040	5th	44.26	3.49	20.37	62.61	84.16	46.56	27.12	291.38
	25th	48.66	3.73	22.18	69.80	90.44	48.95	28.82	312.97
	50th	51.35	4.02	23.92	74.56	95.19	51.22	30.02	330.82
	75th	54.56	4.28	25.60	79.92	100.26	53.60	31.24	349.12
	95th	59.47	4.58	27.69	87.34	106.84	56.37	32.89	372.32
2043	5th	45.36	3.45	20.24	63.33	84.53	46.43	27.40	293.38
	25th	49.87	3.75	22.07	70.66	91.26	49.00	29.00	316.01
	50th	52.81	4.04	24.04	75.79	96.47	51.27	30.29	335.33
	75th	56.69	4.34	25.94	81.87	102.38	53.79	31.66	355.92
	95th	61.84	4.67	28.08	89.71	108.73	56.77	33.35	378.80

**TBW column is the total demand including self-supply of the WDPAs

* Observation

6. Summary

The Base Year and future state of water demand in Tampa Bay Water's service areas are estimated and updated every year based on data collected from several sources including the following:

1. Monthly water consumption data from the six member governments
2. Population projections from Bureau of Economic and Business Research (BEBR) with low, medium, and high scenarios
3. Moody's County level projections for Hillsborough, Pinellas, and Pasco Counties.
    a. Housing units (total and sectoral) for the single family and multifamily sectors
    b. Total population
    c. Median household income in the three counties
    d. Employment, both total and sub sectoral for several nonresidential sectors
4. Population, housing units, and employment projections at the county and TAZ level from the Florida Department of Transportation. TAZ is a smaller unit within the counties
5. Data from the United States Census Bureau
    a. Income at the block group level
    b. Population and household, both total and sectoral for the two residential sectors, single family and multi family
6. Average monthly rainfall and daily maximum temperature from weather stations within the Tri County region

In addition, Tampa Bay Water collects data from the three county property appraisers to classify and quantify the single and multi-family units with additional information to derive explanatory variables such as density of housing units.

Population and housing unit data are updated at different frequencies depending on the data source. For example, population from BEBR and Moody's sources are updated every year. However, the TAZ population data is updated once every 5 years. Similarly, the Census Bureau estimates of population and household are updated every 10 years, but with intermediate updates from the American Community Survey every year with some time lag of typically two years.

All the explanatory variables that influence water demand are derived from the collected data listed above. Some variables, such as persons per household (PPH), is derived from four data sources: American Community Survey, BEBR, Moody's and TAZ. Most of the residential sector variables are derived from up to two sources. The nonresidential sector

variables are generally updated from three sources including TAZ, county property appraisers and billing data from member governments.

It is not uncommon to see different projections for a single type of data. For example, population growth rates from BEBR, Moody's and TAZ sources can be at different growth rates. When using data with different growth rates, the models implicitly use the overall growth from the three sources combined. Changes in the annual projections can sometimes create uncertainty.

There is always uncertainty in the source data and model estimates. To estimate this uncertainty, Tampa Bay Water has implemented the probabilistic forecast approach since 2019 to capture uncertainties at different levels of confidence.

Billing data collected from member governments is critical to continuously evaluate and update the model to capture the trend in water demand. Unless the model is supplemented by the actual billing data, the county level projections from BEBR and Moody's sources may not capture the finer WDPA-level growth. For example, in the previous year's update, none of the data sources showed a surge in a single-family sector growth both in the south-central Hillsborough and Pasco counties in 2023. The actual demand in Water Year 2023 is close to the 75th percentile of the probabilistic forecast made last year, 13 mgd higher than its median projection. This is very significant particularly the growth rate of the residential sector that drives demand.

The current Base Year weather conditions were extremely hot and dry which contributed to increased water demand particularly for outdoor water use. Low rainfall persisted through November 2023 (during the drafting of this report). Demand in the current Base Year was high due to low rainfall and high temperatures coupled with high growth in the residential sector, enough to trigger watering restrictions for outdoor water use.

Tampa Bay Water will continue to assess and reevaluate the Demand Forecast Models capabilities and improve their performance in capturing the Base Year and future water demands in the Tampa Bay Water service areas.

7. References

1. Hazen and Sawyer, 2019, Tampa Bay Water Long-Term Demand Model Redevelopment and Base-Period 2014-2016 Forecasts
2. Tampa Bay Water, Demand Forecast Annual Evaluation and Update, November 2019

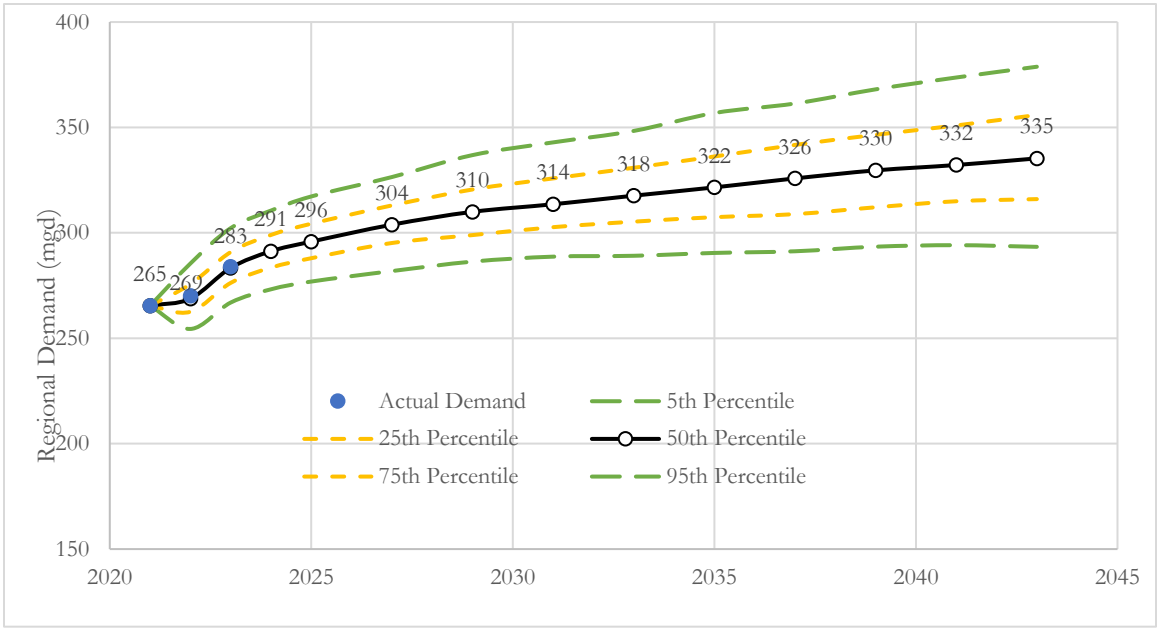


Figure 1. Updated Long-term Regional Demand Forecast for Tampa Bay Water Service Area with Forecast Uncertainties.

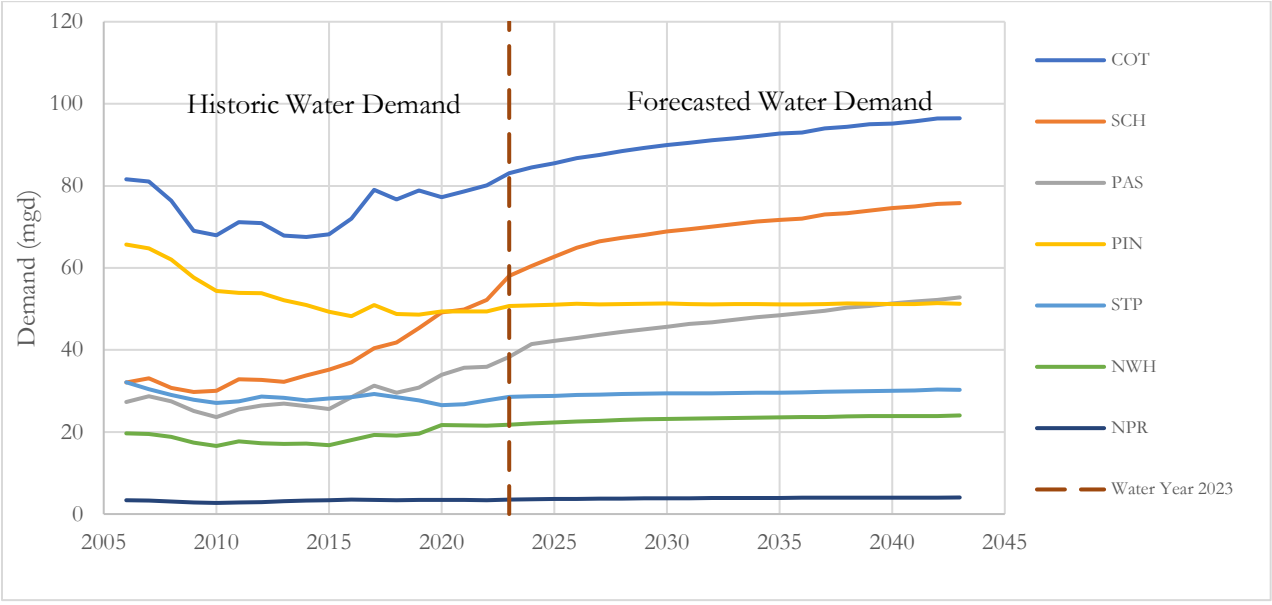


Figure 2. Historic and the median of projected demands by member government

Table 1. Updated Long-term Probabilistic Demand Forecast by Member Government, in mgd

Water Year	Percentile	PAS	NPR	NWH	SCH	COT	PIN	STP	TBW**
2023*	**NA**	**38.28**	**3.49**	**21.77**	**58.06**	**83.08**	**50.73**	**28.55**	**283.96**
2023	5th	35.73	3.26	19.98	52.20	77.29	46.35	26.89	266.94
	25th	37.11	3.38	20.92	55.73	80.59	48.46	27.79	276.27
	50th	38.26	3.51	21.74	58.00	83.02	50.78	28.46	283.40
	75th	39.46	3.65	22.72	60.17	85.67	52.49	29.15	290.88
	95th	41.04	3.91	23.86	63.27	89.20	54.78	30.17	302.25
2025	5th	38.76	3.38	20.37	55.72	79.27	46.90	27.09	276.91
	25th	40.71	3.51	21.41	60.05	82.80	48.85	28.14	287.98
	50th	42.20	3.67	22.29	62.76	85.52	51.05	28.83	295.84
	75th	43.49	3.83	23.28	64.89	88.31	52.88	29.62	304.34
	95th	46.03	4.08	24.59	69.31	92.41	55.00	30.59	317.27
2030	5th	41.03	3.47	20.71	60.49	81.71	46.96	27.21	286.43
	25th	43.99	3.65	22.02	65.80	86.91	49.11	28.60	301.70
	50th	45.66	3.85	23.21	68.91	89.96	51.30	29.40	312.43
	75th	47.55	4.03	24.37	71.97	93.23	53.22	30.25	323.50
	95th	50.77	4.29	25.88	77.47	97.83	55.49	31.38	339.25
2035	5th	42.96	3.49	20.62	62.03	83.42	46.69	27.26	290.47
	25th	46.53	3.71	22.14	67.79	88.79	48.94	28.59	307.45
	50th	48.49	3.94	23.57	71.69	92.76	51.10	29.60	321.56
	75th	51.31	4.16	25.08	76.14	97.18	53.27	30.65	336.23
	95th	55.07	4.46	26.89	82.99	102.84	55.97	32.10	356.85
2040	5th	44.26	3.49	20.37	62.61	84.16	46.56	27.12	291.38
	25th	48.66	3.73	22.18	69.80	90.44	48.95	28.82	312.97
	50th	51.35	4.02	23.92	74.56	95.19	51.22	30.02	330.82
	75th	54.56	4.28	25.60	79.92	100.26	53.60	31.24	349.12
	95th	59.47	4.58	27.69	87.34	106.84	56.37	32.89	372.32
2043	5th	45.36	3.45	20.24	63.33	84.53	46.43	27.40	293.38
	25th	49.87	3.75	22.07	70.66	91.26	49.00	29.00	316.01
	50th	52.81	4.04	24.04	75.79	96.47	51.27	30.29	335.33
	75th	56.69	4.34	25.94	81.87	102.38	53.79	31.66	355.92
	95th	61.84	4.67	28.08	89.71	108.73	56.77	33.35	378.80

* Observation

** Total regional demand including water not supplied by Tampa Bay Water

Table 2. South Central Hillsborough Demand Planning Area projections by Tampa Bay Water and Hillsborough County

Year			2023 Tampa Bay Water Forecast (mgd)			2024 County Forecast (mgd)
	5%	25%	50%[2]	75%	95%	
2023	58.06[1]					58.06[1]
2024	53.7	58.1	60.4	62.8	66.3	60.4
2025	55.7	60.1	62.8	64.9	69.3	62.8
2026	57.7	62.1	64.9	67.5	71.9	64.5
2027	58.9	63.5	66.5	69.2	73.5	66.1
2028	59.3	64.6	67.3	70.1	74.9	67.7
2029	60.1	65.2	68.0	71.1	76.5	69.4
2030	60.5	65.8	68.9	72.0	77.5	71.0

[1] Actual Demand for 2023
[2] Median of the Probabilistic demand projection

Table 3. Six Year Budgeted Water Delivery Projection, in million gallons per day (mgd)

Member Government	Proposed for FY 2025	2026	2027	2028	2029	2030
Hillsborough	85.10	87.20	89.10	90.30	91.20	92.30
Pasco	37.90	38.70	39.70	40.60	41.50	42.20
Pinellas	51.10	51.30	51.10	51.20	51.20	51.30
New Port Richey	3.30	3.30	3.40	3.40	3.40	3.40
St. Petersburg	28.20	28.40	28.50	28.60	28.80	29.40
Tampa	4.10	4.83	5.42	6.15	6.88	7.20
Total	209.7	213.73	217.22	220.25	222.98	225.8

2023 Demand Forecast Update

Agenda Item D.2

February 26, 2024

Warren Hogg, P.G.
Chief Science Officer
Tampa Bay Water

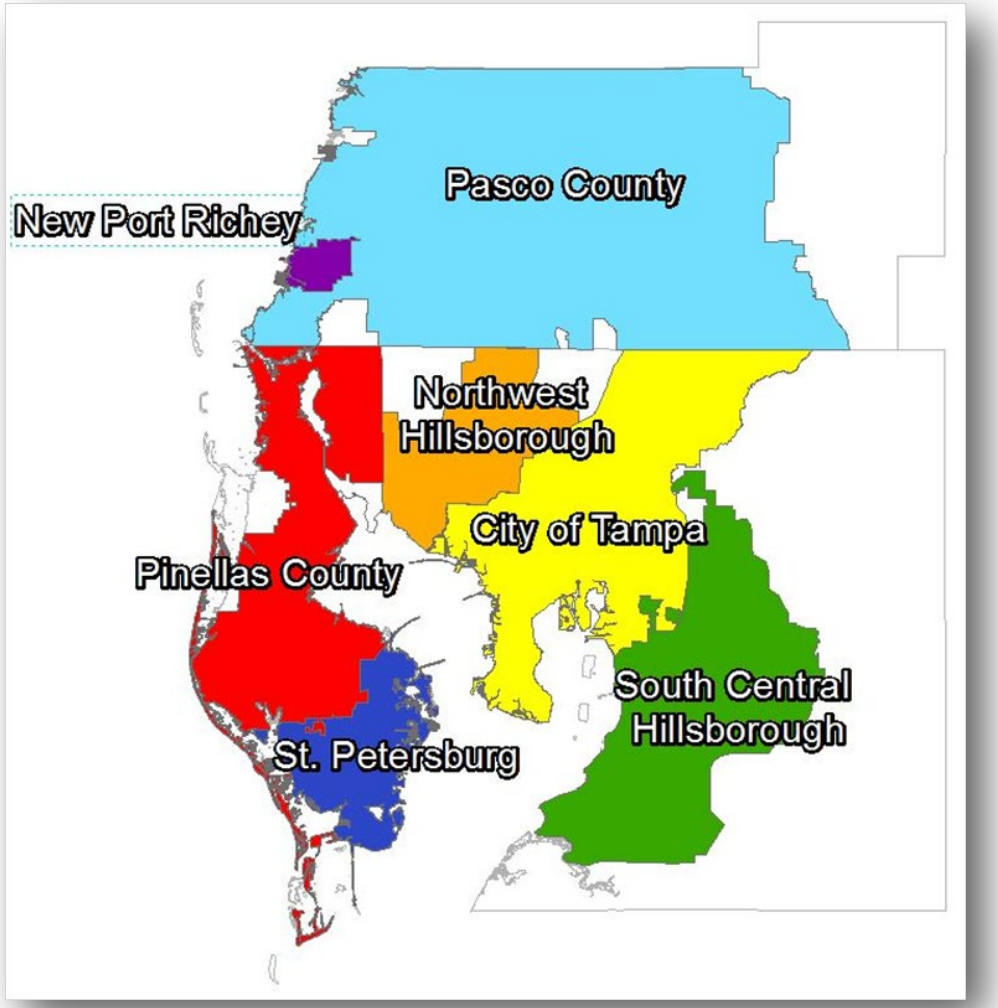
TAMPA BAY WATER
Supplying Water To The Region

Purpose of Water Demand Projections

- Annual budget preparation
  - Expected delivery to members
  - Supply source allocation
  - Understand and manage rate effects
- Long-range planning – Long-term Master Water Plan Update
- Probabilistic forecast
  - Supply system reliability
  - Forecast uncertainty

Demands Projected by Water Demand Planning Areas

- Seven water demand planning areas
- Models developed by use sector
- Annually update with economic growth projections and member billing data
- Forecast period to 2043



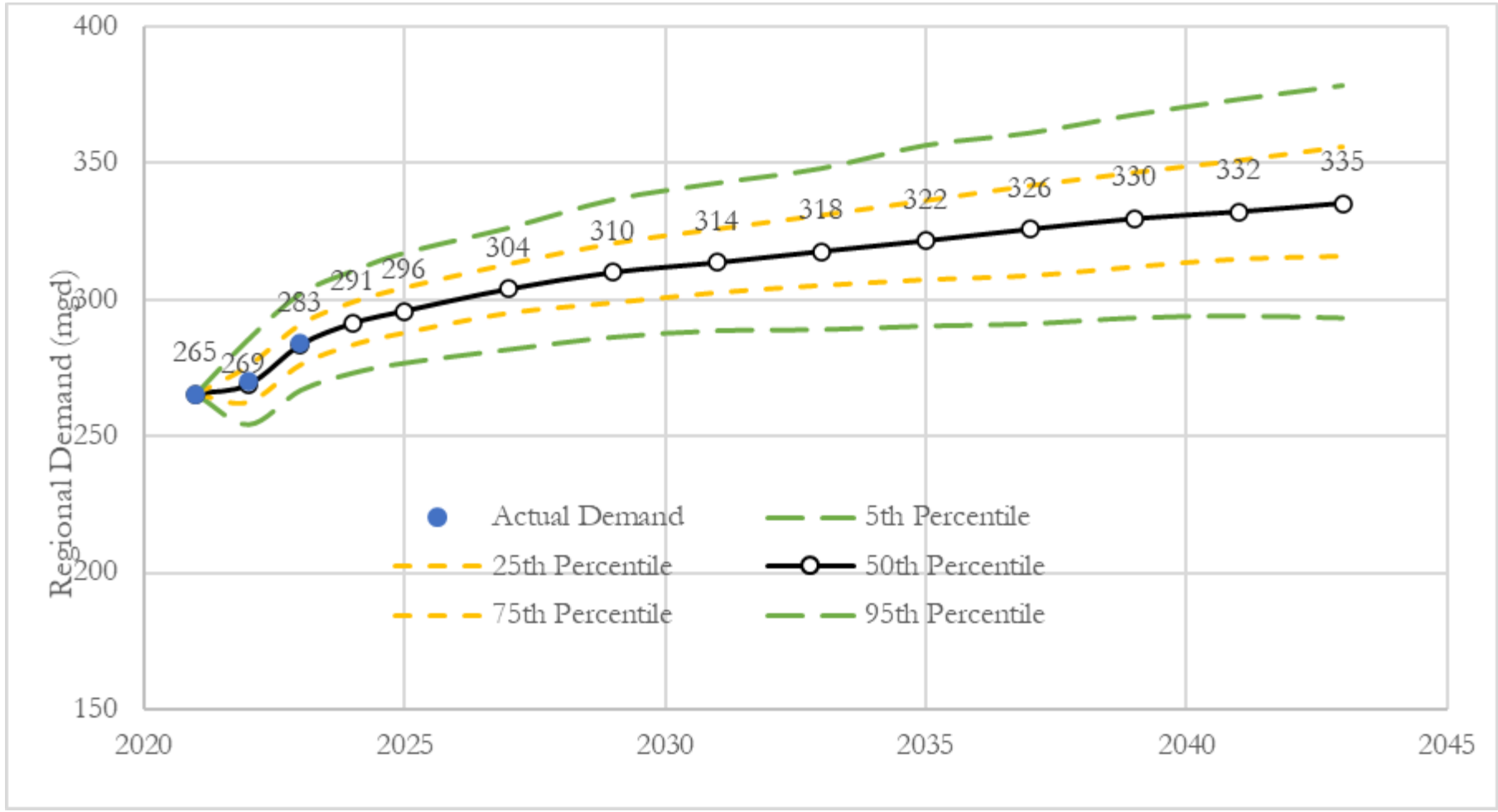
TAMPA BAY WATER
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Data Needed for Demand Forecast

- Member government data
  - Billing information
  - Property appraiser
  - Price, density and reclaimed water access
- Population projection
  - Bureau of Economic and Business Research (BEBR): low, medium and high
- Socio-economic data
  - Moody's Analytics, U.S. Census and Department of Transportation

TAMPA BAY WATER
Supplying Water To The Region

Probabilistic Demand Forecast



Total Regional Demand

Updated 2025 - 2030 Delivery Outlook

Member Government	Proposed for 2025	2026	2027	2028	2029	2030
Hillsborough	85.1	87.2	89.1	90.3	91.2	92.3
Pasco	37.9	38.7	39.7	40.6	41.5	42.2
Pinellas	51.1	51.3	51.1	51.2	51.2	51.3
New Port Richey	3.3	3.3	3.4	3.4	3.4	3.4
St. Petersburg	28.2	28.4	28.5	28.6	28.8	29.4
Tampa	4.1	4.83	5.42	6.15	6.88	7.2
Total	209.7	213.73	217.22	220.25	222.98	225.8

Summary/Next Steps

- Population and demand continue to increase
- Fastest growth rates in south Hillsborough and Pasco Counties and the City of Tampa
- Fiscal Year 2025 budget preparation
- Evaluate timing and quantity needed for next supply source

TAMPA BAY WATER
Supplying Water To The Region

Questions

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM D.3

DATE: February 5, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Tommy Brown, Continuous Improvement Director

SUBJECT: 2020 Performance and Management Audit Update - *Presentation*

SUMMARY

Tampa Bay Water is required to have a management and performance audit performed every five years. The last audit was conducted in 2020 by CliftonLarsonAllen, LLP. The findings from the audit included 38 main recommendations. This report is a presentation on the agency's progress toward evaluating and implementing the recommendations.

SUGGESTED ACTION

Receive Presentation.

COST/FUNDING SOURCE

N/A

DISCUSSION

Tampa Bay Water's Amended and Restated Interlocal Agreement requires the agency to have an independent management and performance audit conducted every five years. The last audit was conducted in 2020 by CliftonLarsonAllen, LLP. The findings from the audit included 38 main recommendations with subparts for a total of 53 recommendations. The final audit report was presented

to the Board at its June 2020 meeting.

Staff reviewed CliftonLarsonAllen, LLP's recommendations and opportunities for efficiency and improvement, and presented its responses to the Board at its August 2020 meeting. At the March 2021 Board meeting, the Board was presented the Agency's action plan for incorporating 21 strategy-related recommendations into the agency's strategic plan and for moving forward 32 task-related recommendations. At the April 2021 Board meeting, staff began reporting progress on the 32 task-related recommendations and have been reporting these to the Board monthly. At the August 2023 Board meeting, staff presented a progress report on the Agency's strategic plan and the recommendations included in the plan.

Following is an update of the recommended actions from the 2020 Management and Performance Audit. This information can also be found in the attachments.

- Of the 21 strategy-related recommendations (see attachment for more detail):
    - 86% are specifically accounted for in internal, formal strategies and/or tactics that are directly tied to our Board-approved strategic plan goals and objectives.
    - 14% have been addressed via Board Agenda items.
    - As a group, we are approximately 66% complete with our actions to address these recommendations.
        - 33% are complete
        - 53% are in-progress
        - 14% have yet to start
- Of the 32 task-related recommendations (see attachment for more detail):
    - 78% are complete
    - 13% are in-progress
    - 3% have been evaluated and will not be implemented
    - 6% have yet to start
- Of the total recommendations:
    - 60% are complete
    - 29% are in-progress
    - 2% have been evaluated and will not be implemented
    - 9% have yet to start

In summary, Agency staff has incorporated the strategy-related recommendations into the current Board-approved strategic plan and has also assigned the task-related recommendations to appropriate staff members and reports on progress monthly. Significant progress has been made in evaluating and implementing the recommendations from the 2020 Management and Performance Audit.

BACKGROUND

Section 2.10 of the Amended and Restated Interlocal Agreement requires the Agency to conduct a performance audit and management study immediately following the end of the first full fiscal year

after satisfaction of conditions described in Sections 6.03(A) and (D), and at five-year intervals thereafter. The first full fiscal year completed under the Amended and Restated Interlocal Agreement was the 1998/1999 fiscal year, and the Management and Performance Audit was performed and presented to the Board in March of 2000. In addition, a mid-term report was also prepared and presented to the Board in June of 2002. The first five-year interval audit was performed and presented to the Board in April 2005, the second five-year interval audit was performed and presented to the Board in April 2010, the third five-year interval audit was performed and presented to the Board in August 2015, and the fourth five-year interval audit was performed and presented to the Board in June 2020.

Attachments (2)

Strategic Recommendations Progress Update - February 2024
2020 Management and Performance Audit Tasks - February 2024 Board
D.3 2020 Performance and Management Audit Update Presentation

Strategy-Related Recommendations (From 3/21/2021, K.1) to be evaluated in the strategic plan update process (throughout the remainder of 2021)

		Related Strategic Plan Element								
No.	2020 Management and Performance Audit Recommendation	Goal	Objective	Strategy	Tactic(s)	Estimated % Complete	Board Item	Status	Estimated % Complete	Comment
1	Board focus on management progress toward achieving strategic goals	4	1	1	1	100%				Provided progress update to the Board in August 2023; next planned update to the Board is August/September 2024.
					2	100%				
2	Continually identify any instances where taking on unnecessary assignments or assignments that can be delegated	2	1	1						Incorporated throughout the 11 tactics that are a part of our continuous improvement goal and the objective to identify a continuous improvement program.
3	Create a new strategic plan for the agency						1/24/2022, C.3	Approved	100%	The Board approved a new Strategic Plan in January 2022, and approved an update to this Plan in September 2023.
							9/18/2023, C.2	Approved	100%	
4	Develop a performance measurement system for the agency	2	1	2						Incorporated throughout the 3 tactics that are part of our continuous improvement goal and the objective to develop and memorialize our policies, processes, and procedures. Performance measures are identified from business process maps.
5	Adopt an agency wide continuous improvement program	2	1	1	1	100%				The Executive Team began investigating, learning and discussing different continuous improvement program frameworks in the summer of 2022. It continued these discussions throughout the first part of 2023 and endorsed a framework on 8/22/2023 that is currently being implemented.
6	Evaluate data integration and data management capability and roles	2	2	4	3	0%				The agency is beginning phase one of a Data Management Strategy in the first quarter 2024. Requesting Board approval of task order to utility management consultant, Arcadis, at February 2024 meeting.
7	Develop a robust succession planning strategy	5	2	1	1	80%				The 2020 Succession Plan was presented to the Board at its January 2021 meeting. The agency is currently in the process of updating the plan and will complete that update in 2024.
8	Prioritize the implementation of the Environmental Management System (EMS)	2	1	2	1	100%				Agency staff is evaluating this program as part of the Continuous Improvement effort and will bring recommended changes to the EMS policy to the Board.
					2	40%				
					3	0%				

Strategy-Related Recommendations (From 3/21/2021, K.1) to be evaluated in the strategic plan update process (throughout the remainder of 2021)

		Related Strategic Plan Element								
No.	2020 Management and Performance Audit Recommendation	Goal	Objective	Strategy	Tactic(s)	Estimated % Complete	Board Item	Status	Estimated % Complete	Comment
9	Inclusion of other mid-level managers in the structure supporting EMS	2	1	2						Incorporated throughout the 3 tactics that are part of our continuous improvement goal and the objective to develop and memorialize our policies, processes, and procedures. Mid-level managers are included in discussions regarding the development and approval of our management system processes and procedures.
10	Evaluate MAXIMO and implement improvements	2	2	3	2	10%				We completed Year 1 and Year 2 actions from the existing MAXIMO plan. We are currently working on Year 3 actions.
					3	20%				
					4	100%				
					5	60%				
11	Evaluate re-implementation of the GIS integration with MAXIMO	2	2	1		100%				Evaluation is complete; RFP issued and currently being evaluated; work expected to begin in April 2024
12	Enhance the Asset Management Program using ISO 55000 Standards	2	2	3	2	10%				We have completed a series of meeting devoping our 5-year Asset Management Plan. As part of the development of this plan, we are considering how the ISO 55000 Standards can be incorporated.
13	Formalize a GIS integration plan into an enterprise GIS	2	2	1	1	100%				GIS Master Plan was formalized in 2021. The elements in the first two years of the plan have been implemented. Year three elements have implementation in-progress.
14	Implement the "One System/One Operation" unified approach for Operations and Maintenance	2	1	3						Unified operations plan completed in 2022; evaluation on-going for maintenance.
15	Develop career ladder and on-the-job training program for operators	5	2	1	3	40%				Created Water Plant Operator trainee program and currently implementing with first group of trainees.
		5	2	1	4	40%				
16	Improve the delivery of the Agency's Capital Improvement Program	1	1	3	1	100%				We have completed the Project Maturity Assessment and developed the Project Management Methodology associated with the delivery of projects.
					2	100%				
17	Develop method to subject goods and services currently being outsourced to a rigorous (annual) cost/benefit analysis	3	1	2	1	0%				This tactic has not yet started.
18	Subject the contracted operations and maintenance functions at the Surface Water Treatment Plant to rigorous business case analyses to determine if self-sourcing is a viable option						8/15/22, C.4	Approved	0%	Contract amendment approved to extend contract operations at the SWTP through 1/15/28.

Strategy-Related Recommendations (From 3/21/2021, K.1) to be evaluated in the strategic plan update process (throughout the remainder of 2021)

		Related Strategic Plan Element								
No.	2020 Management and Performance Audit Recommendation	Goal	Objective	Strategy	Tactic(s)	Estimated % Complete	Board Item	Status	Estimated % Complete	Comment
19	Conduct a cost-benefit analysis of the Agency's outsourced General Counsel services						5/15/23, B.3	Approved	100%	Completed and new general counsel hired by Board to start 3/1/2024.
20	Develop and evolve cybersecurity measures and protocols	6	3	1	1	30%				Developed, trained and practicing and continuing to refine incident response plan for information technology; continue to work on architecture diagram.
					2	100%				
					3	100%				
21	Implement recommendations from the EPIC – IT Strategic Plan	6	3	2	1	75%				Work on-going; reviewed plans from 2016 and 2019 and working to implement feasible recommendations. Added recommendations for security audits at contracted facilities.

2020 Management & Performance Audit Tasks - Recommendation #			Status	Target Date	Task Leader(s)	Completed Date	Status Notes/Final Outcome
Implement mechanisms to ensure compensation increases, performance ratings do not lead to gender or racial inequities	-	11	Completed	Sep-20	Robbie Kety Christina Sackett	9/25/20	Analysis of ratings by gender and race performed with FY20 Performance Evaluations & Merit Program
Institutionalize the periodic execution of Board retreats and workshops	-	1	Completed	Dec-20	Michelle Stom	12/14/20	Held three Board workshops, conducted SWOT analysis and identified key areas for consideration in strategic planning, presented report to Board December 2020 (G2); annual board workshops will be scheduled to review agency strategic and tactical plans once the current strategic plan update is completed.
Create a formal and documented succession plan	-	10	Completed	Dec-20	Robbie Kety	12/14/20	2020 Agency Succession Plan presented to Board December 2020 (G3)
Take specific actions and implement tracking process for 2020 Management and Performance audit task-related recommendations	-	38	Completed	Mar-21	Christina Sackett	3/5/21	The first status report on task-related recommendations provided to the Board in March 2021. This report will continue monthly until all task-related recommendations have either been determined to not implement or have been completed.
Allow electronic approvals during the workflow routing of bids/contracts to reduce cycle time by implementing the Munis Bid Management and Vendor Self Service modules within the Agency's financial system.	-	24	Completed	Apr-21	Christina Sackett Teresa Collins	4/28/21	Staff started using Adobe Sign for electronic approvals during the workflow routing of bids and contracts when staff started teleworking due to COVID-19. Implementation of the Munis Bid Management and Vendor Self-Service modules had begun but ran into issues regarding functionality. Implementation of these two modules has been halted as they are being replaced with different modules in the next Munis version. Staff will continue to use Adobe Sign for electronic signatures to reduce cycle time.
Take actions to ensure fulfillment of the Planner/Scheduler responsibilities	-	20	Completed	Jun-21	Jack Thornburgh Robbie Kety	6/7/21	Maintenance Planner/Scheduler job description updated, posted position and candidate hired, started work 6/7/21.
Develop a Job Description for General Manager position	-	15	Completed	Jun-21	Robbie Kety Board	6/21/21	As part of the 2021 General Manager recruitment process, the GM's job description was developed and Board approved June 2021 (E1).
Consider the creation of a "Government Affairs" position	-	2	Completed	Oct-21	Michelle Stom	10/11/21	Government Affairs Program Manager started 10/11/21.
Use more appropriate methodology to analyze and interpret employee surveys - such as 7-point Likert scale	-	16	Completed	Dec-21	Michelle Stom Robbie Kety	12/10/21	Employee survey developed using Likert scale. Sent and completed by employees in November/December 2021. Results currently under review by the Human Resources Director and the Executive Team.
Improve communications with Utility Directors	-	5	Completed	Jan-22	Chuck Carden Jack Thornburgh	1/18/22	Quarterly Utility Director meetings are held that include both draft agendas and draft meeting summaries for review and input from the Member Governments before finalizing. At the August 4, 2020 Utility Director meeting, staff sought feedback on specific opportunities to improve communications with the group. The Utility Directors requested Board agenda items be provided and discussed with each member government in advance of board member briefings and for a central portal to access agendas, minutes and other materials from other Agency meetings where Member Government staff attend. Agency Board Agenda Page Turn meetings are now held with Utility Directors ten days prior to the Board meetings, to brief and discuss each agenda item. A Sharefile folder, for a central portal, has been created, with folders set up for each committee/working group the agency has with our members and other external staff. Final meeting agendas, meeting notes/minutes, documents, etc. for 2021 have been entered into the folders. ShareFile access was provided to the member government participants on January 18, 2022.
Take specific actions and implement tracking process for 2020 Management and Performance audit strategy related recommendations	-	38	Completed	Jan-22	Michelle Stom	1/24/22	Strategy related recommendations were evaluated and incorporated into the Tampa Bay Water Strategic Plan - 2022-2027. The plan was approved by the Board at its January 24, 2022, meeting.
Evaluate governance of information systems and technology; hire executive leader	-	28	Completed	Jan-22	Chuck Carden Robbie Kety	1/31/22	IT Director started 1/31/22.
Establish a clear purpose for the manager meetings	-	2	Completed	Jul-22	Executive Team	4/19/22	The agency's leadership/management team meets quarterly to: 1) discuss and understand the general manager's and agency's overall strategic direction, priorities and key initiatives, 2) receive presentations and discuss agency key initiatives and programs, 3) receive management and leadership trainings, and 4) discuss departmental efforts that affect the agency as a whole. A smaller strategic leadership group will meet bi-monthly starting summer 2022 to discuss progress toward achieving the agency's strategic plan goals.
Measure total costs of operations, scalability, reliability, redundancy and security of locating primary and secondary servers into 3rd party Tier 4 hosted data centers	-	32	Completed	Jun-22	Casey LaLomia Bruce Pacheco	4/25/22	We have completed moving key backup infrastructure to a 3rd party high availability data center located outside our region. This implementation provides geographical diversity and increased reliability for key parts of our enterprise IT environment.
Public Affairs Division should prioritize the initiatives in the Employee Communication Plan	-	4	Completed	May-22	Michelle Stom Brandon Moore	6/16/22	Current Employee Communications Plan prioritization completed; Current Employee Communications Plan drafted to reflect the new strategic plan priorities; Executive Team endorsed.
Develop standard operating procedures to document federal, state and local grant cycles from pre-award to post-award	-	37	Completed	Jun-22	Michelle Stom Christina Sackett Maribel Medina	7/15/22	Finance, Public Affairs and Project Management developed a funding plan and standard operating procedures for agency pursuit of grant funding. The Funding Team and legislative consultants are meeting to review capital improvement projects to determine what projects and/or programs the agency will seek funds for in the upcoming sessions or funding year. The Funding Team and legislative consultants will meet at lease annually for review, but will also meet when new opportunities arise.
Explore automating employee data transfer functions/evaluate potential solutions to track performance, compensation and training information	-	12	Completed	Sep-23	Michelle Stom	10/1/22	In 2018, the Agency commenced using NEOGOV as a recruitment platform. In 2020, the Agency contracted with NEOGOV for Perform and Onboard. In October 2022, Agency launched NEOGOV Learn to provide online training to agency employees; program has function to track licenses, trainings and credits to maintain licenses. This part of the program is currently being developed for use by the agency.

2020 Management & Performance Audit Tasks - Recommendation #			Status	Target Date	Task Leader(s)	Completed Date	Status Notes/Final Outcome
Use data analytics software to ensure that all employee purchases on a P-Card are for a valid business purpose	-	23	Completed	Sep-22	Christina Sackett Teresa Collins	11/28/22	Each p-card transaction is reviewed for business purpose and budget by purchasing and finance staff that are not the card holders. If additional review is needed on a p-card holder or transaction the J.P. Morgan PaymentNet program offers over 100 different data analytics reports. Reviewed other data analytics software options, found other options geared more for a higher number of transactions per week/month. Not cost effective to procure additional software.
Limit the number of P-Cards to essential staff	-	23	Completed	Sep-22	Christina Sackett Teresa Collins	11/28/22	Agency p-cards are for purchases under $5k and is more cost effective than entering purchase orders for these smaller purchases. All agency p-cards have established limits and allowable merchant category codes (mcc) to reduce the risk of misuse/fraud, which are reviewed at least annually and adjusted as needed. The agency has a total of 84 active p-cards, 56% of these cards are for staff out in the field or supporting field staff, 36% are for department purchases, 7% are for travel or appreciation events and must be checked out for use and 1% is for accounts payable payments. Any requests for p-cards must be approved by the department manager and chief financial officer and employees must be trained and agree to terms of use and not in their probationary period before being issued a p-card.
Evaluate agency's telecom services	-	36	Completed	Sep-22	Casey LaLomia Bruce Pacheco	11/28/22	The evalution of phone system options and a decision to repalce the agency's exisitng phone system with a cloud based telephone service provider was made in November 2022. The project to replace the existing phone system is underway and will be completed in September 2023.
Conduct mid-level manager survey regarding advancing Agency mission and potential areas of concern	-	2	Completed	Jul-22	Michelle Stom Wanda Dunnigan	4/1/23	Mid-level managers and all staff are being included in the strategic planning process and are being asked to provide feedback and endorsement at every step. The agency's annual Employee Survey asks questions regarding the mission and vision and staff agreement and understanding and allows for open-ended comments regarding the agency and areas of concerns. The survey differentiates between management-level and non-management level employees.
Periodically revisit the purpose, relevance, participants, frequency, and alignment with the strategic plan of the Agency's cross-functional teams	-	3	Completed	Annually beginning FY 2023	Executive Team	7/11/23	Review and update of Safety Team completed; review and update of Employee Appreciation Team completed; review of Leadership Team completed; Training Team on-hold. This effort is completed for 2023-2024.
Create a mechanism to capture action items to incorporate into the strategic plan	-	3	Completed	Aug-23	Michelle Stom Tommy Brown	8/1/23	The Continuous Improvement Director position was filled effective March 2023. The agency will begin a process of reviewing and updating the agency's strategic plan if needed in Summer 2023.
Evaluate inventory of custom applications versus off the shelf applications	-	29	Completed	Dec-22	Casey LaLomia	1/4/24	Custom applications have been reduced by 61% over the past five years. A Standard Operating Procedure (SOP) has been developed and includes an annual evaluation of the agency's custom applications to determine the future of the application (taken offline, changed to an off-the-shelf program, or continue in-house).
Continue developing rigorous Standard Operating Procedures (SOPs) around IT infrastructure and assets. Consider hiring 3rd party to help with documentation	-	30	Completed	Dec-22	Casey LaLomia	1/4/24	We have developed key Standard Operating Procedures (SOPs) that will be incoproated into the angency's document management system.
Evaluate and document agency's Disaster Recovery Plan	-	31	In-Progress	Jun-22	Casey LaLomia		Standard Operating Procedure (SOP) for enabling the new Enterprise Disaster Recovery environment has been completed and the Disaster Recovery Plan has been updated with this information. An review and update to the Data Backup and Retention standard are required to complete this task. These updates will be completed in January 2024. An annual disaster recovery exercise to validate the plan will be executed in February to complete this task.
Complete Employee Handbook	-	14	In-Progress	12/1/2022 & 6/1/2023	Michelle Stom		Updates to the Personnel Rules Manual were approved at the November 14, 2022, Board Meeting - Agenda Item A.5. Employee Handbook drafted and in review. Edited forwarded for review 7/18/23. The Employee Handbook is currently on-hold pending completion of several agency Policies & Procedures.
Establish a formal approach to track and monitor CPE and licensing within MUNIS or NEOGOV	-	13	In-Progress	Sep-23	Michelle Stom		In October 2022, Agency launched NEOGOV Learn to provide online training to agency employees; program has function to track licenses, trainings and credits to maintain licenses. The Organizational Development and Training Program Manager is actively working on this project.
Add early payment discounts as part of the standard payment terms in procuring vendor contracts	-	25	In-Progress	Sep-23	Christina Sackett Sandro Svrdlin		A cost/benefit analysis will be done on this recommendation in FY24 to determine if/how this recommendation should be implemented. The process in Munis for early payment discounts has been successfully tested.
Develop a Formal Mechanism to Track Contractor's Performance	-	26	Not Yet Started	Sep-23	Christina Sackett Stacy Gundry		The agency has implemented the e-procurement piece of Bonfire and plans to implement Bonfire's contracts module in FY24. Within the contract module there is a mechanism to track contractor's performance, once the contracts module is implemented the agency will begin tracking contractor's performance.
Obtain Service Organization Controls (SOC) report for IT service providers and review reports for internal controls	-	34	Not Yet Started	Sep-23	Casey LaLomia Nathan Sprunger		A Service Organization Controls (SOC) report is a way to verify that an organization is following some specific best practices related to finances, security, processing integrity, privacy and availability. The reports are created and validated by third-party auditors and are built to provide independent assurance and to help customers understand any potential risks involved in working with the organization evaluated. A standard operating process for obtaining SOC reports will be developed and different products will be evaluated to assist the agency achieve a comprehensive secure supply chain program.
Consider engaging an independent consultant that specializes in electric utility bill reviews	-	22	Not Implementing	N/A	Jack Thornburgh	N/A	The agency runs monthly audits on each bill to identify any issues upon receipt of the invoice. If issues are identified, staff follows up with energy provider to resolve issues. Annually, staff coordinates with three energy providers to determine if better tariffs can be applied to existing accounts/facilities. If energy provider proposes an alternative rate, staff analyzes the facility's planned operations for the next twelve months to evaluate if rate change will be beneficial.

2020 Performance and Management Audit Update

Agenda Item D.3

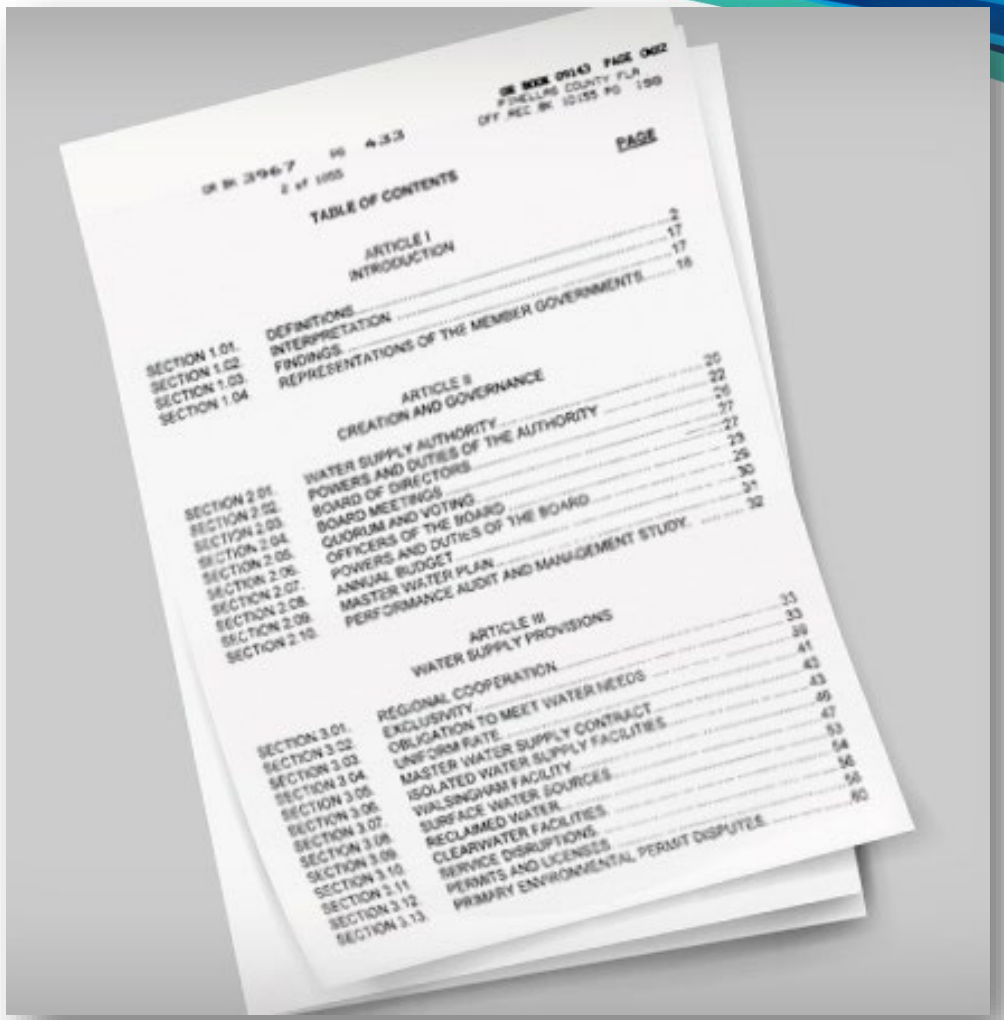
February 26, 2024

Tommy Brown, CPIM, SSBB, CCP
Continuous Improvement Director
Tampa Bay Water

TAMPA BAY WATER
Supplying Water To The Region

Audit Requirements

- Section 2.10 of the Amended and Restated Interlocal Agreement
- Every five years after the completion of the full fiscal year
- Report is presented to the Board



Summary of Results

- Agency performing at a high level; no significant concerns identified over efficiency & effectiveness of operations and compliance with applicable laws and regulations
- Total of 38 recommendations presented in our report to strengthen existing controls and operational practices

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2020 Management and Performance Audit Recommendations

Task-related - 32

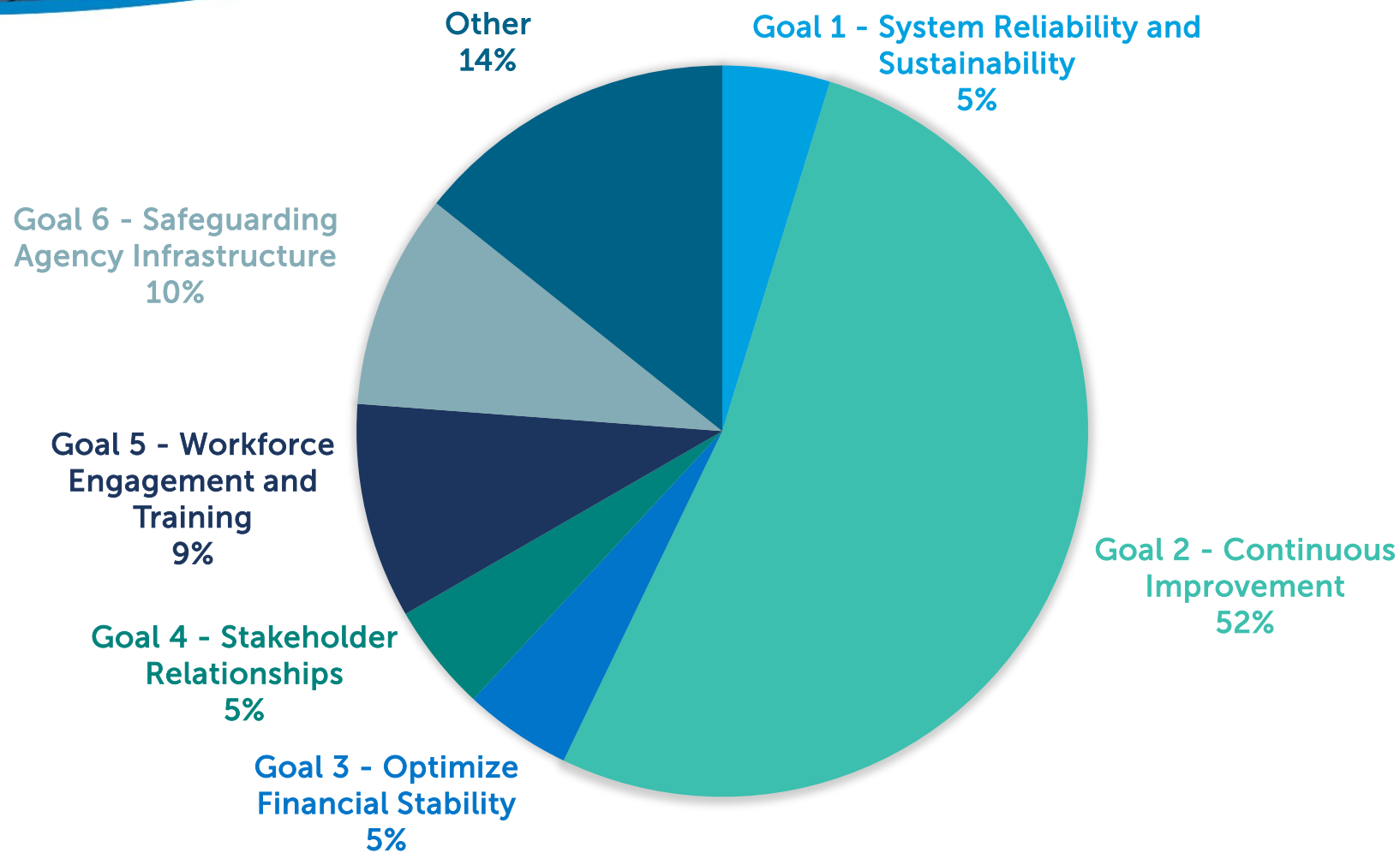
Monthly board report



Strategy-related - 21

Strategic plan process

Strategy-related in the Strategic Plan



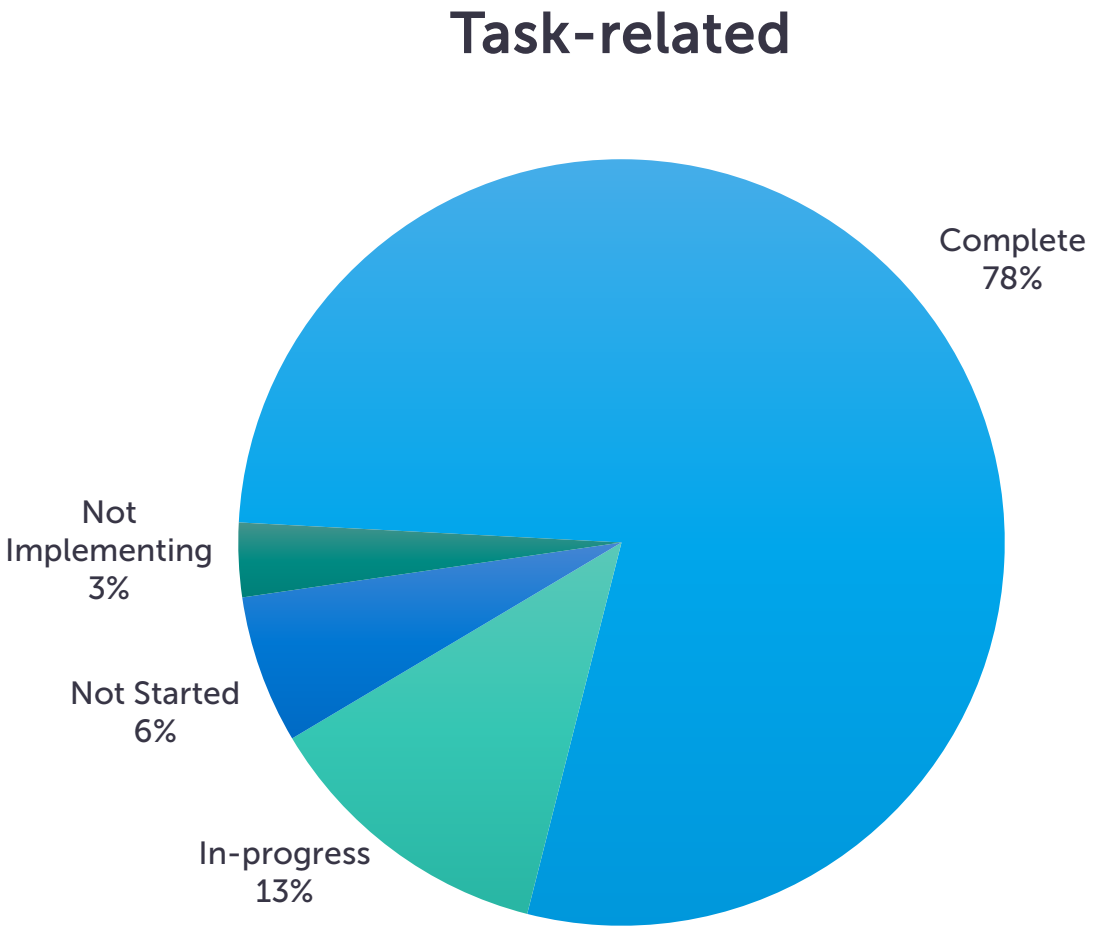
2020 Management and Performance Audit Recommendations



Items not started:

- Data integration and management
- Cost/benefit analysis of outsourced services (2 items)

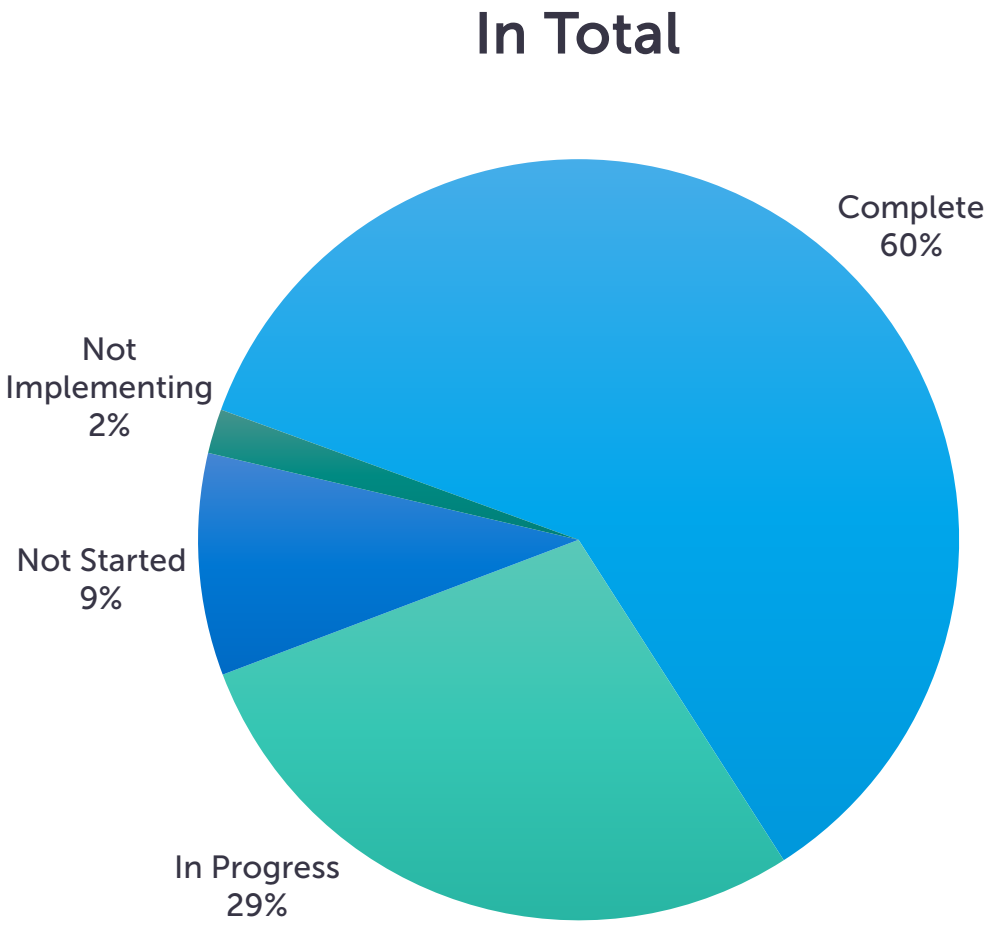
2020 Management and Performance Audit Recommendations



Items not started:

- Tracking contractor performance
- Service Organizational Control (SOC) report for information technology service providers

2020 Management and Performance Audit Recommendations



- 89% completed or in-progress
- Significant progress has been made

Questions

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM E.1

DATE: February 1, 2024

TO: Board of Directors

FROM: Charles H. Carden, General Manager

SUBJECT: Election of Officers - Board Organizational Action - *Approve*

SUMMARY

Each year the Board must select a Chairman and Vice-Chairman to serve for a one-year term of office.

SUGGESTED ACTION

Elect a Chairman and Vice-Chairman to serve for a one-year term of office.

COST/FUNDING SOURCE

N/A

DISCUSSION

In accordance with Sections 2.06 (A) and (B) of the Interlocal Agreement (attached), the Board must elect a Chairman and Vice-Chairman each year. No Board Member may serve more than two consecutive full terms.

Attachment (1)

Interlocal Agreement - Section 2.06 Officers of the Board

PINELLAS COUNTY FLA.
OFF.REC.BK 10155 PG 229

(C) The following Board actions shall require an affirmative vote of not less than six Directors:

(1) contracts with private or public entities to purchase or sell Water;

(2) contracts with a Member Government or any private or public entity or person for the operation or management of the Transferred Assets and the Water Supply Facilities owned or operated by the Authority on the date hereof;

(3) assumption of ownership, operation and/or control of any Water Supply Facilities owned by a municipality, county, district or authority, if such acquisition is projected to have a material adverse rate impact on the Member Governments; and

(4) sale or other disposition of its Water Supply Facilities, or any portion thereof.

(D) Prior to December 31, 2008, any action to acquire or construct Water Supply Facilities for the purpose of reducing the combined permitted withdrawal quantity from the Partnership Plan Wellfields, on an average annual basis, to a quantity less than 90 mgd shall require an affirmative vote of all nine Directors.

SECTION 2.06. OFFICERS OF THE BOARD.

(A) The Board shall elect a chairman from their number, who shall serve for a period of one year, or until a successor shall have been duly elected and qualified, whichever is later. No Director shall serve as chairman for more than two consecutive full terms. The chairman shall preside at all meetings of the Board.

OR BOOK 09141 PAGE 0033

PINELLAS COUNTY FLA.
OFF.REC.BK 10155 PG 230

(B) The Board shall elect a vice-chairman from their number, who shall serve for a period of one year, or until a successor shall have been duly elected and qualified, whichever is later. No Director shall serve as vice-chairman for more than two consecutive full terms. In case of the absence or disability of the chairman, the chairman's duties shall be performed by the vice-chairman. The vice-chairman shall perform such additional duties as are authorized by the Board.

(C) If a vacancy occurs in the office of chairman or vice-chairman, the Board shall elect a replacement to serve the balance of the unexpired term.

(D) If neither the chairman nor vice-chairman attends a meeting at which a quorum is present, the Directors present may elect one of their number to serve as chairman pro-tem for that meeting.

SECTION 2.07. POWERS AND DUTIES OF THE BOARD. The Board shall act as the governing body of the Authority and shall have the following powers and duties:

(A) To fix the time and place or places at which its regular meeting shall be held, and to call and hold special meetings.

(B) To make and pass rules, regulations, resolutions and orders not inconsistent with the Constitution of the United States or of the State, or to the provisions of Sections 373.1962 and 163.01, Florida Statutes, or this Agreement, necessary for the governance and management of the affairs of the Authority, for the execution of the powers vested in the Authority, and for carrying into effect the provisions of this Agreement.

(C) To fix the location of the principal place of business of the Authority and the location of all offices and departments maintained thereunder.

OR BOOK 09143 PAGE 0034

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.1

DATE: February 12, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Division Officers and Directors

SUBJECT: Agency Division Activity Reports for January 2024 - *Receive Report*

SUMMARY

The following is an update on current activities for each Tampa Bay Water Division for the month of January 2024.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

N/A

DISCUSSION

The following is an update on current activities for each Tampa Bay Water Division for the month of January 2024.

Business Strategies Division

The Business Strategies Division manages relationships that are critical to the agency's success including with staff, elected officials, member governments, stakeholders and the public. The division oversees the agency's board services, continuous improvement, human resources, legislative affairs, public engagement, safety services and strategic planning functions. The following are major division activities for January 2024.

Continuous Improvement Department

The Continuous Improvement Department is responsible for establishing and implementing continuous improvement programs and projects for the agency and ensuring the safety and security of the agency's employees and assets.

- Reminded member government utility directors of their opportunity to review the K2i Platform portal as the agency's renewed subscription allows for member government use and consider participating in a best practice-sharing working group with the more than 20 K2i members from around the world in 2024.
- Continued researching Employee Innovation best practices; held meetings with two different vendors to understand Employee Idea software offerings; leveraged the K2i subscription to identify peer utilities with Employee Incentive programs; scheduled a best practice-sharing session in March 2024 with Clean Water Services located in Hillsboro, Oregon.
- Delivered Business Process Management training to the Executive Team.
- Continued the NeoGov Policy/PowerDMS program implementation. This program will manage and distribute Agency controlled documents (policies, process maps, procedures, work instructions, etc.)
- Began developing the training curriculum for Agency staff for Continuous Improvement program.
- Negotiated a Statement of Work with Arcadis for assistance with the first phase of our four-phased Data Management Strategy initiative.

Safety Services

Safety Services is responsible for the agency Safety, Security and Emergency Management program.

- Prepared for the 2024 hurricane season; started document review for all agency emergency plans.
- Started emergency SMS communication enhancements to improve targeted staff communication during Water Emergency Incident Command System activations.
- Scheduled initial Cyber and Physical Security working group and drafted proposed agenda and beginning mission assessment draft for use in initial group meeting.

Human Resources Department

The Human Resources Department is responsible for establishing and administering human resources policies and procedures in accordance with federal, state and local laws and requirements, under the oversight and approval by the agency's general manager and board of directors. In addition, Human Resources is responsible for employee recruitment and retention, benefits administration, employee relations, training and development, employee compensation, workers compensation and oversight of the Employee Appreciation Team. The following are major department activities for January 2024.

- Onboarded Human Resources and Special Projects Coordinator (contracted employee) to assist in daily HR duties and strategic projects.
- Hosted consultants from Hanna Resources Group to perform assessment of human resources department processes and procedures.

HR Administration

- Completed and posted OSHA Form 300A.

Benefits Administration

- Distribute Wellness Wednesday emails to staff to promote employee resources for mental, financial and physical health.
- Began working with Bentek to implement RetireSweet, an online benefit enrollment system that tracks, reports and produces invoices for retiree member’s accounts.

Employee Appreciation Team

- Started 2024 Transformation Challenge.

Employee Relations and Engagement

- Completed and distributed Total Compensation Statements for all employees.

Employee Recruitment:

- Recruited the following staff positions:
    - I & C Technician I or II
    - Project Management Manager
    - Water Plant Operator Trainee
    - Water Resources System Engineer

The following positions have been filled:

- Hydrologic Technician
- Purchasing & Warehouse Manager
- Senior Environmental Analyst

- Water Plant Operator Trainee

HR Management Systems

- Worked on updates to Flexible Workplace Policy and Employee Appreciation Team Policy.

Training and Development

- Completed annual employee satisfaction survey.
- Completed status report for 2020 Succession Plan for presentation to Executive Team.
- Worked on agency training matrix and 2024 training plan.
- Completed process maps for CEU tracking and Leadership Development Training.

Grant Funding and Government Affairs Department

Grant Funding and Government Affairs develops strategic initiatives to advocate for the agency and its members and is responsible for developing and implementing strategic positions and priorities for the Agency's legislative, grant funding and regulatory policy initiatives.

- Worked with legislative counsel and grant funding and legislative consultants to monitor and report on the 2024 Florida legislative session including monitoring and evaluating bills filed, monitoring committee meetings, and legislative floor sessions.
- Participated in legislative affairs and community meetings with the Greater Tampa Chamber of Commerce.
- Generated Tampa Bay Water's State Legislative Bill Tracker Analysis for Board Meeting.
- Toured the Desalination Plant and C.W. Bill Young Regional Reservoir with Tampa Bay Water Chief Operating Office to gain a better understanding of Tampa Bay Water operations.
- Coordinated with Project Management Team, Legislative Funding Consultants, and FDEP to facilitate funding agreement for the $1 million 2023 Legislative Funding awarded to Tampa Bay Water for the Surface Water Treatment Plant Expansion Project.
- Assisted Rep. Beltran's staff to complete constituent case work regarding water information.
- Coordinated with Legislative Consultants and planned trip to Tallahassee to meet with members regarding Tampa Bay Water's Funding Request for the Surface Water Treatment Plant Expansion Project.
- Led weekly Legislative Team Meetings to provide updates on both legislation and funding requests with General Manager. General Counsel, Chief of Staff and legislative consultants.

Public Communications Department

The Public Communication Department builds and maintains the agency reputation through various communications tools and methods; provides education, information and outreach on agency projects, programs and policies to stakeholders; and develops and implements critical water supply plans.

Project Public Engagement

Tampa Bay Water includes public outreach and public engagement in each agency project – from conception to completion. The agency has several on-going projects through the renewal & replacement program, capital improvement program and Long-term Master Water Plan.

- **South Hillsborough Pipeline** – With Dialogue Public Relations, updated project FAQs; edited and finalized property acquisition FAQs; developed a project logo; worked with the CMAR to develop a project-specific website, which is currently being revised; and supported the project team in developing a presentation to ELAPP.
- **Long-term Master Water Plan** – Worked on design for feasibility project fact sheets; worked with Black & Veatch to finalize a case study on the Long-term Master Water Plan update, and submitted the case study to AWWA for its upcoming M50 manual update; developed and revised a presentation on the Long-term Master Water Plan for the Tampa Bay Regional Planning Council's Feb. 12 meeting.

Public Communications, Outreach and Education

Public Communications, Outreach and Education develop and execute strategic communications programs that support and promote agency projects, policies and initiatives, and build and maintain relationships with agency stakeholders.

- Hosted three facility tours for six guests of the Tampa Bay Regional Surface Water Treatment Plant and C.W. Bill Young Regional Reservoir.
- Continued the "Know Your Day, Tampa Bay" water conservation outreach campaign including news media outreach, outdoor advertising, digital advertising and social media promotions.
- Coordinated implementation of the PFAS communications plan with member governments; posted second quarter testing results on agency website.
- Distributed the Tampa Bay Water 2023 Year in Review and associated email and social media campaigns to promote to the Florida legislature and other agency stakeholders.
- Sponsored and exhibited at Pinellas County Schools STEM Explorer Fest.
- Coordinated luncheon presentation from the general manager to the 2024 class of Leadership Tampa Bay's Pasco/Economic Development program day.
- Began implementation of marketing campaign for Tampa Bay Community Water Wise Awards.
- Created and executed social media content for the Stage 1 water shortage, source water protection, water conservation, Tampa Bay Water Wise rebates, reservoir siren test, STEM Explorer Fest, careers and more.
- Informed and responded to news media requests regarding stories on the Stage 1 Water Shortage and water-saving tips and Source Water Protection Mini-grant recipients.
- Prepared mailing materials, including a letter and frequently asked questions, to residents near the regional reservoir. The letter explains the agency's emergency action plan, notifies residents of the 2024 reservoir siren test schedule and promotes opt-ins for Hillsborough County's HCFL Alert system. Mailing is scheduled for February 2024.

Employee Communications

- Coordinated, created and distributed monthly employee newsletter.
- Planned and participated in employee engagement activities through the Employee Appreciation Team.

Web, graphics, video and audio visual

- Completed migration of intergratedhydrologicmodel.org website to a new web platform and hosting environment to improve security and reduce costs.
- Continued project to audit and remediate tampabaywater.org for website accessibility improvements.
- Supported boardroom renovation with audio visual deinstallation and reinstallation including new equipment for the new dais and lectern.
- Completed AV system upgrade for the board of directors' conference room.
- Supported Decision Support staff with materials for participating in the University of Florida Water Institute Symposium.

Planning and Projects Division

The Planning and Projects Division is responsible for the delivery of the Agency's Capital Improvements Program including, design, permitting, and construction of capital projects. Additionally, the Division is responsible for engineering evaluations, surveying, utility conflict management, and real estate management and acquisition. The following are major division activities for January 2024.

- Surface Water Treatment Plant Expansion (Project 01014): Design configuration option to reduce overall project cost selected. Thirty percent design to incorporate design configuration decision is underway and will be submitted at the end of March.
- South Hillsborough Pipeline (Projects 01610/01616): Design and property acquisition activities continued.
- Feasibility Study for Groundwater Sources (Project 11022): Advertised Request for proposals and held pre-proposal conference.

Construction

Construction administers capital projects construction contracts to be following the design, permitting, regulatory requirements, property rights, budget, schedule, and all related agreements.

- Brandon Booster Station (Project 01609): The permanent pump station was successfully placed into service on January 3, 2024.
- Cypress Bridge Wellfield Improvements (Project 50031): Completed disinfection of Well No. 4. Four of the 10 well sites are now complete.
- High Service Pump Station Chemical Piping Replacement (Project 50049): Contractor has mobilized on site and started work on January 8, 2023.

- Tampa Bay Desalination Facility Intake Connection Improvements-Phase 2 (Project 07033): Contractor has mobilized and started relocating TECO utilities within the project easement.
- Tampa Bay Desalination Plant Reverse Osmosis Trench Supports-Phase 2 (Project 01607): Kickoff meeting for start of construction was held on January 23, 2024. Started removal and storage of the RO membranes.

Engineering

Engineering conducts limited in-house design; provides capital projects project management services in as-needed basis; conducts engineering studies and assessments; manage Agency design standards and specifications; ensure that all capital projects meet Agency's engineering standards and specifications; and provides quality review of capital projects design completed by outsourced services.

- Continued to support capital projects in construction and/permitting.

Planning and Projects

Planning & Projects manages and implements the update of the Agency's Capital Improvements Program, the Long-term Master Water Plan, and the Energy Management Program and other Agency critical plans and reports and provides capital projects project management services. They also are responsible for the development of all processes and procedures for effective project management following project management best practices.

- Capital Improvements Program Update: Completed forecasting planned expenditures of projects and started evaluation of funding needs with Finance team.
- Cypress Creek Water Treatment Plant 72-inch Valve (Project 50073): Design activities continued.
- Clearwater Administration Building Parking Lot Expansion (Project 01620): Received 90 % design drawings and specifications and draft ERP permit application.
- Cross Bar Ranch Wellfield Water Transmission Main-Utility Conflict (Project 07153): Continued design activities.
- Cypress Creek Water Treatment Plant Chemical Piping Replacement (Project 50051): Design activities completed. Invitation To Bid advertised on Bonfire, with bids due in March.
- Tampa Bay Desalination Plant Reverse Osmosis Trench Supports-Phase 2 (01607): Scope and fee were finalized and presented to the board for approval.

Real Estate

Real Estate is responsible for the negotiation and acquisition of property rights for capital projects and supports other departments by verifying that property rights under existing agreements allow proposed projects and other activities. Additionally, it manages existing lease and license agreements, property address changes, verifies taxes due or exemption status annually, and disposes of surplus property.

- South Hillsborough Pipeline- (Projects 01610/01616): Continued coordination with legal counsel

on Right-of-Way Use Agreement; finalized and sent initial letters to private property owners for required permanent easements; met with Florida Fish and Wildlife to discuss possible impacts to Conservation Easements. coordinated presentation to ELAPP's General Committee to request support for required easements within environmentally sensitive lands. Coordinated and participated on going acquisition activities of temporary construction easements.

- Columbus Parcel Exchange: Received Board approval at the January Board meeting delegating authority to execute the Eastshore Plat, prepared and had General Manager sign First Amendment to agreement granting the County more time to get the Plat approved, closing expected May 2024 or later.

- Eldridge-Wilde Wellfield underground Powerline (Project No.50040): Finalized utility and access easement agreements with Tampa Electric and Duke Energy.
- Morris Bridge Wellfield Improvements (Project No. 50021): Met with District staff to discuss additional easements needed for the project.

Surveying

Surveying manages the utility conflicts and cathodic protection programs; manages and conducts surveys; manages and maintain record drawings; and maintain and develop computer-aided design (CAD) and geospatial data for the Agency. They also assist with engineering, construction, real estate, and geographic information systems (GIS) activities.

- Agency's Utility Conflicts Program: Continued creation of new processes meeting Sunshine 811 documentation, guidelines, and software, Florida laws, and coordination with internal and external stakeholders.
- Cosme Collection Main Review: Cpntinued review of Cosme Collection Main along North Mobley Road and impacts to Tampa Bay Water's infrastructure near Cosme Well No.10.
- Northwest Hillsborough Collection Main Review and Impacts: Continued communication with Hillsborough County and the preparation to offset Northwest Hillsborough Collection Main at the intersection of Gunn Hwy and Lynn Rd. for future roadway improvements.
- Odessa Bypass & Cypress Creek 84-inch Transmission Mains Review and Impacts: Prepared scope of services to locate the Odessa Bypass & Cypress Creek 84-inch Transmission Mains and their easements for future Patel High School and Lakepointe Parkway extension crossing.

Finance and Administration Division Activity Report

The Finance and Administration Division is responsible for finances, procurement, inventory, risk and vital records. Departments include Finance, Purchasing and Warehouse and Records. The following are major division activities for January 2024.

Finance

Finance manages the budget, payroll, account payables and receivables, capital assets, cash and

investments, debt management and financial compliance for the Agency. The department also assists with the training and maintenance of the accounting software, Munis.

- Met with agency staff to go over Fiscal Year 2025 Budget requests
- Completed the Fiscal Year 2023 annual comprehensive financial report

Purchasing and Warehouse

Purchasing issues, processes and administers the appropriate solicitations and ensures that all procurement activities are conducted in compliance with statutes, policies and provides best value solutions for the Agency. The department is also responsible for the management and accountability of the agency's warehouse and inventory items.

- Onboarded Purchasing & Warehouse Manager
- Began reviewing all solicitation documents to prepare for new General Counsel.
- Advertised for the Purchasing Specialist II position and prepared for interviews.
- Warehouse and Engineering staff worked on a rain water run off solution.

Records

Records manages the central repository for the Agency's records efficiently and effectively through their life cycle and assists staff in complying with applicable public records laws regarding retention, management and disposition of records. The department is also responsible for responding to public records requests and assist with agenda preparation and for managing the Agency's insurance programs.

- Completed requested department budget for FY25.
- Completed new application for storage tanks to add CYB#4, #5 & #8.
- Completed CY24 department project plan.

Information Technology Department

The Information Technology (IT) department supports Tampa Bay Water's computer, communications, and data systems. IT staff design, build, support, manage, procure, and maintain various technology systems to ensure the ability for staff to accomplish their key objectives and optimize productivity. The group is responsible for the management and security of the Agency's data, electronic information, and network systems. The department is composed of three core cross-functional teams: Applications, Systems, and SCADA (Supervisory and Control and Data Acquisition). The following are major department activities for January 2024.

Applications

The Applications team supports data and software systems built within various technologies. This includes development, maintenance, and procurement for custom applications, databases and flows, and

third-party software including GIS systems.

- GIS / Maixmo Integration project: Completed the selection process and began contract development with selected provider.
- Completed upgrades to the Munis financial system components, ReadyForms and DocOrigin
- Inundation mailing addresses and Zip code within service area updates.
- Completed draft of IT SOP for Custom Applications Audit
- Completed an update to the census data in our Long Term Demand Forecast System.
- Completed several tasks in the upgrade plan for the Vgrid modeling environment.
- Continued technical support for the Power DMS implementation.
- Completed revisions as requested for Regional System Health Indicators report.
- Completed planned 2025 IT budget and entered not Munis for budget planning.

Systems

The Systems team manages Agency's enterprise technology infrastructure encompassing: PCs, computer peripherals, servers, networks, data centers, cloud environments, and telecommunication systems. The team also oversees cybersecurity systems, polices, risk assessments, and vulnerability scanning, including ongoing system patching and backups.

- Completed Enterprise network installation at Brandon Booster Station to support security systems connectivity.
- Complete an Enterprise network uplift at our Regional Surface Water Treatment facility, replacing aged network equipment and implementing network security enhancements.
- Completed an Enterprise network uplift at the CW Bill Young Reservoir facility, increasing network bandwidth and implementing network security enhancements.
- Completed implementation of a new desktop remote control solution.

SCADA

The SCADA (Supervisory and Control and Data Acquisition) system is a mission critical component of Tampa Bay Water managing and monitoring water production facilities both physically and wirelessly connected. The team is responsible for the ongoing development, maintenance, and security of the SCADA system, including managing dedicated hardware, software, networks, and telecommunications.

- Completed multiple modifications and enhancements to SCADA database and graphics at the request of Operations.
- Completed installation of a new version of the SCADA management software in a test environment and is undergoing verification. A deployment of this upgrade to the production environment is scheduled for March 2024.
- Continued completion of project tasks for two capital improvement projects currently in progress for the SCADA system.
    - Completed installation, configuration, and implementation of new network and server infrastructure at our second SCADA data center.

    - Completed installation, configuration, and implementation of new data protection infrastructure at two SCADA data centers.
- Provided SCADA system support for the startup of the Brandon Booster Station.
- Continued SCADA system support for replacement of Programable Logic Controllers (PLC) being completed by the Instrumentation and Controls team.

Science Division

The Science Division provides water resource technical support for planning, operations, demand management, water quality and regulatory functions of the Agency. This Activity Report summarizes the key activities of the Systems Decision Support, Water Use Permitting and Water Quality Services Departments and the Tampa Bay Water Wise program. The following are major department activities for January 2024.

Systems Decision Support

Addresses the Agency's system-wide decision support needs on a multi-scale time horizon; designs, implements, and maintains water resources optimization tools, integrated hydrological models, risk and reliability analysis tools, water demand management and forecasting programs and models all in support of operational, annual budgeting and long-range planning needs; leads the Agency's effort in climate variability and climate change assessment and adaptation.

- Annual Demand Forecast Update: Completed the analyses and report. Met with members to review results and receive feedback. Discussions resulted in other areas of potential collaboration between agency and member utility staffs.
- Worked with Water Production staff to analyze scenarios of facility outage and resource utilization outlooks. Conducted situational analysis on current water shortage condition, climate and hydrologic conditions.
- Began work on pre-modeling tasks for two of the seven Long-term Master Water Plan feasibility projects approved by the Board (Consolidated Permit Wellfield Increase and East Pasco Wellfield). These tasks include extensive testing of various models and their automation on Agency vGrid computational platform to troubleshoot automation issues and accommodate necessary software updates. In-house modeling work will begin as soon as these tasks are completed.

Tampa Bay Water Wise

Tampa Bay Water Wise is the agency's water conservation rebate program. The goal is to save up to 3.8 million gallons per day by 2030 and cost-effectively defer the need for equivalent new water supplies.

- Seven multi-family projects have been completed this fiscal year and three more are in the process of completion. This suggests the program may have higher water savings than last fiscal year.

- The program administrator hired a second outreach manager to specialize in water saving projects in the commercial and institutional sectors.

Permitting

The Water Use Permitting Department is responsible for the acquisition and renewal of, and compliance with, Agency Water Use Permits including implementation of the Domestic Well Mitigation Program and environmental/hydrologic monitoring. Work also includes monitoring and management of wetland impacts associated with construction and/or past operation of Agency facilities and infrastructure and management of lands owned by the Agency to maintain an appropriate natural habitat.

- Completed a Water Use Permit (WUP) modification application package for the Balm Farm WUP to convert the existing quantity from Agricultural use to Public Supply use and to transfer additional quantities from groundwater offset credits for a total of 775,000 gpd quantity on an average annual basis. The permit application is included in this agenda packet under a separate agenda item for Board consideration.
- Continued coordination with Hillsborough County staff for acquisition and transfer of groundwater offset credits to the South-Central Hillsborough Regional Wellfield from a permit held by the County. Began preparing permit modification package for presentation to the Board later this spring.
- Removed the pump at production well BUD-5R for refurbishment and obtained permits to begin well rehabilitation.
- Completed the Phase 2 rehabilitation activities for the Regional Surface Water Treatment Plant stormwater management system. These activities were recommended in the 2021 recertification of this stormwater management system.

Environmental/Hydrologic Monitoring

- Completed monthly hydrologic monitoring of groundwater/surface water elevations.
- Hired a hydrologic technician due to staff member promotion to department manager.
- Installed an additional center staff gage at Monsees Pond, replaced monitoring equipment and flow totalizer damaged from a lightning strike and brought the lake augmentation system back online.

Water Quality Services

Water Quality Services is responsible for laboratory testing, water quality compliance reporting, hydrobiological monitoring, source water assessment and protection, and water quality treatment support to operations and others.

Laboratory

- Completed monthly drinking water quality sampling and analysis per Exhibit D requirements.
- Collected and began analyzing the third quarter UCMR5/PFAS comparison samples.

- Purchased the SEAL AQ300 Series Discrete System and installed digestion equipment to prepare water quality samples for future in-house analysis of nutrients and more rapid analysis of color.
- Completed cross-training of a secondary analyst in the Organics Section of the Laboratory.
- Implemented a new Standard Operating Procedure (SOP) tracking system to better manage more frequent updates of Laboratory SOPs, and updated Organics Section and other SOPs.

Source Water Assessment and Protection/Hydrobiological Monitoring

- Received and began to deploy enhanced source water quality continuous monitoring equipment in the Tampa Bypass Canal.
- Reviewed an initial GIS-based screening tool intended to screen land use development applications to focus review efforts in assessing potential impacts on regional supply sources. The goal is to reduce the number of reviewed applications to a manageable level.
- Reviewed recent PFAS site investigation/remediation documents prepared by DEP's contractor for the Hillsborough County Community College Fire Training Facility materials.

Water Quality Treatment Support

- Facilitated the Water Quality Working Group meeting with members on January 11, 2024. Reviewed second quarter UCMR5/PFAS analytical data for member and agency samples.
- Began preparing the 2023 Consumer Confidence Report (CCR), the agency's annual water quality report. CCR draft data tables were submitted to the DEP for initial review. Once approved, these data will be provided to member utilities to prepare their individual CCRs.
- Continued literature review to determine "biological stability" of finished drinking water, identify factors contributing to chloramines instability during warmer summer months and develop ongoing and future monitoring and other studies.
- Designed and completed an enhanced characterization program for total and dissolved organic carbon (TOC and DOC) in Regional Surface Water Treatment Plant unit processes and along the North Central Hillsborough Interconnect (NCHI) transmission main.
- Researched available methods for quantifying assimilable organic carbon (AOC) in finished water to support ongoing and future chloramine stability studies. Sample collection and analysis are planned for spring and summer 2024 to monitor potentially changed conditions.
- Collecting water quality samples from regional system delivery locations to aid in analysis of chloramines decay studies. The goal of this work is to predict and potentially manage transmission system conditions that may lead to chloramines instability during the summer.

Water Production Division

The Water Production Division is responsible for the operation and maintenance of the agency's water production assets that provide drinking water to the members. Departments within the division include: Buildings & Grounds and Fleet Services, Maintenance Planning & Reliability, and Operations & Maintenance. The following are major division activities for January 2024.

Buildings & Grounds and Fleet Services

The Buildings & Grounds and Fleet Services team is responsible for maintaining the primary physical plants of each facility, including HVAC systems, roadways, fire safety systems, and roofing and coating systems. The team also takes care of the acquisition and maintenance of fleet vehicles for the entire agency. Highlights from the Buildings, Grounds, and Fleet Services team for the month include:

- Continued the installation of an IOT (Internet of Things) based system to monitor several systems located in the Clearwater Office Building with real time alerts and control capabilities: including Power, HVAC, and Generator systems. The portion of the system which reads temperature and power in the building is installed and is providing data. Continuing the integration of remote-control functions with hardware installation completed in September. Control input/output wiring to the generator was completed in November and is being programmed into the system. The Chiller is being connected to the system.
- Modified the Board Room ceiling, walls, and floors. Removed the folding wall sections and replaced both the Dais and Podium in the Clearwater Main Office. Also added UPS backup to provide uninterrupted Dais electrical power.
- Received and placed into service all previously Board-approved FY2024 fleet vehicles. One additional ¾ ton pickup was Board approved in January and ordered for FY'24.
- The Office Master Plan is continuing. The consultant will provide recommendations on the best use of existing spaces and has recommended three software tools for consideration. One of the tools will be selected to be used for tracking and organization of office space assignments.
- A Contract to replace six large HVAC condensing units was awarded to B&I Construction at the September 2022 Board meeting, then subsequently amended to seven units at the May 2023 Board meeting. Equipment arrived and B&I staff have installed and started up all seven HVAC units at three locations. Pending punch list creation/resolution and project closeout.
- Completed investigation of the corrosion-damaged exterior columns at the Clearwater Office Building and received the structural engineer's recommendations for repair of the columns. Repairs to all columns on the front and rear of the building have been completed, and Architectural grout and block repairs are complete. Downspout modifications and final painting are underway.
- Investigated a small collapsed ground area at the CCPS, ultimately finding and replacing a failed section of culvert piping. As a follow-on, engaged a contractor to replace this entire section of 1975-era culvert. All culverts in this area have now been replaced and the area returned to finished grade.
- Continued exterior painting for the Keller H2S Facility, Regional Pump Station Site, Tampa Bypass Canal Site, and Morris Bridge Pump Station. The painting project is 80 percent complete at this time.
- Cleared all small trees, brush, and debris from the 2-acre Northwest Hillsborough Wellfield Well #6 site. Perimeter fencing replacement for this entire site is underway.

Maintenance Planning & Reliability

The Maintenance Planning & Reliability team is responsible for overseeing the Agency's Asset Management System, including the MAXIMO software and the Renewal and Replacement Program. Highlights from the Maintenance Planning & Reliability team for the month include:

- Asset Labeling – Installed new asset tags at South Pasco & High Service.
- Revised two Preventative Maintenance Plans (PM); revised one existing jobplan.
- Asset Management Plan (AMP) for Lithia Ozone WTP – jobplan under review.
- MAXIMO / GIS Integration – In contract negotiations with Starboard (the top ranked firm).

Operations & Maintenance

The Operations & Maintenance team is responsible for ensuring that the Agency's production assets are maintained and operated in a sustainable and resilient manner to fulfill the drinking water needs of the member governments. They provide continuous attention to the system, adjusting to changing conditions and in compliance with permit and environmental recovery constraints. Highlights from the Operations & Maintenance team for the month include:

- Provided drinking water to meet member government demands in compliance with Exhibit D and Safe Drinking Water Act water quality standards.
- Provided support for the Basis of Design Report phase and 10% Opinion of Probable Construction Costs of the Surface Water Treatment Plant Expansion project and several other active CIP projects.
- A contract amendment was negotiated and awarded to the Desal contract operator for repair of the reverse osmosis structural racks. Project was kicked off and work has began.
- Reservoir use was reduced in January versus December due to the arrival of sufficient rains.
- Tampa Bay Water supplied the City of Tampa with approximately 8 mgd of drinking water throughout the month.
- Hillsborough River flows and levels were sustained, augmentation of the City of Tampa reservoir from the Tampa Bypass Canal was not needed.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.2

DATE: February 1, 2024

TO: Board of Directors

FROM: Barrie Buenaventura, General Counsel

SUBJECT: Legal Services Activity Report for January 2024 - *Receive Report*

SUMMARY

The General Counsel Activity Report summarizes the major activities and work effort of the General Counsel and provides an update on the status of ongoing litigation and any other matters being handled by Special Counsel.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

Uniform Rate

DISCUSSION

The General Counsel provides legal services to the Board and agency staff and manages Special Counsel in their representation of Tampa Bay Water. During January 2024, the major activities and work effort for legal services included:

Board of Directors

- Attended the January Regular Board meeting and advance briefings with Board members.

Facilities and Property

- Reviewed documents for, and advised agency staff regarding, real estate matters including utility

conflicts, easements and other access rights for agency facilities, and requests from other parties.
- Working with staff and counsel on property acquisition matters for South Hillsborough County Pipeline, including updating agency property forms and negotiating a potential right-of-way use agreement with Hillsborough County.
- Working with staff and counsel on claims by and potential default of contractor for the Eldridge-Wilde Wellfield Pumps & Motors Replacement and Underground Powerline Project.
- Preparing draft amendment to the Joint Project Agreement for the South Hillsborough Pipeline.
- Working with staff to negotiate an agreement with Suburban Land Reserve to permanently retire a portion of its permitted quantity to allow for potential transfer to Tampa Bay Water.

Contracts and Procurement

- Reviewed contracts and contract amendments for commodities, construction, grants and professional services.
- Working with staff on contract issues pertaining to replacement of the reverse osmosis membranes support structures at the Tampa Bay Seawater Desalination plant.
- Prepared proposed contract for general counsel services with Persson Cohen Mooney Fernandez & Jackson, P.A.

Legislative and Grant Funding

- Reviewing legislative bills.
- Participated in interviews of candidates for the government affairs program manager.

Coordination with Agency Management

- Participated in weekly meetings with the General Manager and Executive Team.
- Attend weekly legislative team meetings.

Litigation

Tampa Bay Water v. E.I. Dupont de Nemours and Company , et al. Case No. 2:20-cv-1867 RMG, United States District Court for the District of South Carolina, Charleston Division

Counsel: Frazer PLC, Napoli Shkolnik, PLLC, Ventura Law, and Frank Charles Miranda, P.A.

Issue: Complaint for damages pertaining to PFAS and related compounds including counts for strict liability, failure to warn, design defect, negligence, private nuisance, public nuisance, and fraudulent conveyance.

Status: Complaint filed May 14, 2020. Litigation sampling performed and results posted to agency website in April 2023. Submitted agency's supplemental response to fact sheet in August 2023. Awaiting results of final fairness hearings on potential settlement with DuPont entities held on December 14, 2023, and on potential settlement with 3M held on February 2, 2024.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.3

DATE: February 1, 2024

TO: Board of Directors

FROM: Barrie Buenaventura, General Counsel

SUBJECT: Legal Services Budget Report for January 2024 - *Receive Report*

SUMMARY

This item presents the status of the budget for the General Counsel and legal services for January 2024.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

Uniform Rate/Bond Funds

DISCUSSION

As of January 31, 2024, with invoices received through four months of Fiscal Year 2024, legal expenditures approved for payment totaled $306,431.75. These expenditures were associated with general operations activities and appropriately paid for from the uniform rate. During January 2024, no expenditures were made from bond funds legal services for property acquisition activities for the South Hillsborough Pipeline. Attached is a spreadsheet showing payments made to each law firm in January 2024.

Attachments (1)

GC Budget Chart - 2024-1-31 FY24

STATUS OF LEGAL BUDGET – FY 2024
AS OF JANUARY 31, 2024

Law Firm	Tasks	PO Amount & PO Number	Monthly Expenditures	Expenditures to Date	Remaining PO Amount
UNIFORM RATE FUNDS					
Busack Law Firm	Real Property and Eminent Domain	$10,000 PO# 24-117	$0	$0	$10,000.00
Bush, Graziano, Rice & Platter, P.A.	Employment Law	$30,000 PO# 24-168	$0	$3,245.00	$26,755.00
Conn & Buenaventura, P.A.	General Counsel Services (under contract 2021-049 in effect 5/1/2021-12/31/2023)	$57,000 PO# 24-112	$18,113.99	$54,527.37	$2,472.63
Conn & Buenaventura, P.A.	Special Assignments Outside Scope of General Counsel Contract	$20,000 PO# 24-198	$0	$0	$20,000.00
Dean Mead, P.A.	Legislative, Administrative Law, Environmental Law	$120,000 PO# 24-110	$0	$20,000.01	$99,999.99
Gray Robinson, P.A.	Admin, Construction, Contracts, Civil Claims, Employment, Property, etc.	$50,000 PO# 24-107	$192.50	$3,922.07	$46,077.93
Nabors, Giblin & Nickerson, P.A.	Admin, Construction, Contracts, Civil Claims, Property, etc.	$20,000 PO# 24-105	$0	$5,873.80	$14,126.20
Stearns Weaver	Admin, Construction, Contracts, Civil Claims, Property, etc.	$20,000 PO# 24-116	$0	$0	$20,000.00
UNIFORM RATE TOTALS		**$327,000.00**	**$18,306.49**	**$87,568.25**	**$306,431.75**
BOND FUNDS					
Gray Robinson, P.A.	Property Acquisition and Eminent Domain	$350,000 PO #23-399	$0	$26,900.50	*$323,099.50

Uniform Rate Funds: Total Budget $750,000 Allocated Funds $327,000 Unallocated Funds $423,000
Bond Funds: Total Budget $350,000 Allocated Funds $350,000 Unallocated Funds $0 *$26,900.50 spent in Fiscal Year 2023

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.4

DATE: February 5, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Investment Schedules for December 2023 - *Receive Report*

SUMMARY

The attached investment statements and reports provides details of Tampa Bay Water's investments for December 2023.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

N/A

DISCUSSION

The attached Chandler Asset Management Consolidated Statement and Bond Market Review provide a monthly summary of the agency's asset allocations and the drivers of the economy that may affect investment performance.

Chandler Asset Management, the Board's contracted investment advisor, manages a portion of the agency's funds to earn a higher return, without sacrificing or risking principal.

As of December 31, 2023, the funds currently managed by Chandler Asset Management had a Market Value of $168,644,348 and are detailed in the attached statement. All the investments are held in a third-party trust account with Regions Bank as custodian.

As of December 31, 2023, the Agency had $196,952,847 held in deposit accounts or certificates of deposits with multiple banking institutions, with interest rates ranging from .40% to 4.20%. In addition, these banking institutions participate in the State of Florida Public Funds pool and are designated Public Funds. Under this program, each participating bank is required to post collateral with the State at a percentage of the amount of Public Funds held by that bank. The percentage of collateral required is determined by the State and may vary by institution. Of the funds held by Tampa Bay Water, 86% are restricted as to purpose. An additional $31.4 million in the Utility Reserve Fund is not restricted as to purpose but must be maintained at levels sufficient to ensure compliance with debt coverage requirements.

BACKGROUND

Resolution 2017-002 approves the Agency's Investment Policy.

US Government Securities - Treasuries (100%) - Collective term used to describe debt instruments backed by the US Government and issued through the US Department of Treasure.

US Government Agency (50%) – A debt instrument issued by one of the Federal Agencies.

Federal Instrumentalities (80%) - A government sponsored/owned entity created by US Congress.

Mortgage-Backed Securities (20%) – An ownership interest in a pool of mortgage loans made by financial institutions to finance the borrower's purchase of a home or other real estate.

Repurchase Agreements (50%) - A short-term investment vehicle where an investor agrees to buy securities from a counterparty and simultaneously agrees to resell the securities back to the counterparty at an agreed upon time for an agreed upon price.

Commercial Paper (25%) – Short term unsecured promissory note issued by a company or financial institution. Issued at a discount and matures for par or face value.

Corporate Note (25%) – A debt instrument issued by a corporation with a maturity of greater than one year and less than ten years.

Bankers' Acceptances (25%) – A draft or bill of exchange drawn upon and accepted by a bank.

Municipal Note/Bond (20%) – A debt instrument issued by a state, local government or public agency.

Supranationals (15%) – A debt instrument issued by the International Bank for Reconstruction and Development, International Finance Corporation or Inter-American Development Bank.

Money Market Mutual Funds (50%) – Market in which short-term debt instruments are issued/traded.

Intergovernmental Investment Pool (25%) – An investment by local governments in which their money is pooled as a method for managing local funds.

Attachments (2)

Investment schedule for December 2023 (1 of 2)
Investment schedule for December 2023 (2 of 2)

Tampa Bay Water Consolidated - Account #10504

MONTHLY ACCOUNT STATEMENT

DECEMBER 1, 2023 THROUGH DECEMBER 31, 2023

Chandler Team:
For questions about your account, please call (800) 317-4747,
or contact **operations@chandlerasset.com**

CHANDLER ASSET MANAGEMENT
chandlerasset.com

Information contained herein is confidential. We urge you to compare this statement to the one you receive from your qualified custodian. Please see Important Disclosures.

Tampa Bay Water Consolidated

Account #10504

Portfolio Summary

As of December 31, 2023

PORTFOLIO CHARACTERISTICS

Average Modified Duration	1.45
Average Coupon	2.57%
Average Purchase YTM	2.56%
Average Market YTM	4.73%
Average S&P/Moody Rating	AA/Aa1
Average Final Maturity	1.60 yrs
Average Life	1.56 yrs

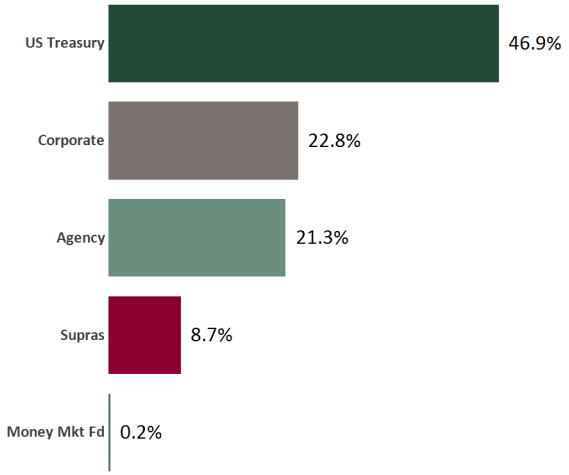
ACCOUNT SUMMARY

	Beg. Values as of 11/30/23	End Values as of 12/31/23
Market Value	166,007,798	167,671,114
Accrued Interest	1,017,531	973,234
Total Market Value	**167,025,329**	**168,644,348**
Income Earned	333,605	357,535
Cont/WD		
Par	170,094,084	170,503,968
Book Value	169,870,868	170,272,700
Cost Value	170,465,966	170,820,212

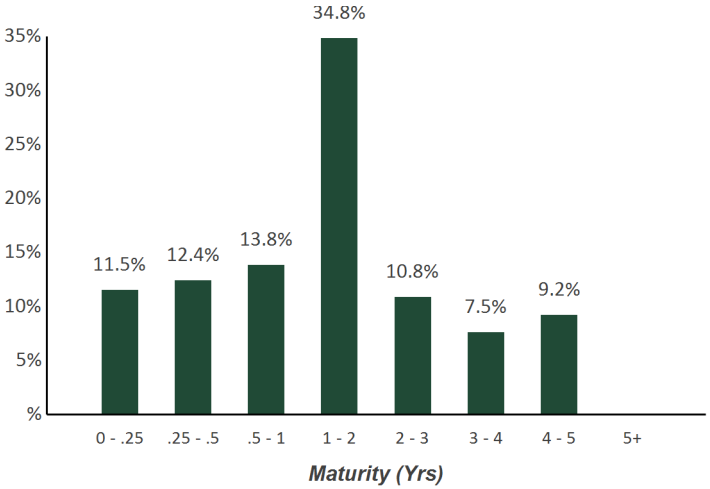
TOP ISSUERS

Government of United States	46.9%
Federal Home Loan Bank	9.5%
Federal Farm Credit Bank	6.6%
Federal National Mortgage Assoc	4.2%
Intl Bank Recon and Development	3.7%
Inter-American Dev Bank	2.6%
International Finance Corp	2.4%
Bank of America Corp	2.1%
Total	**78.0%**

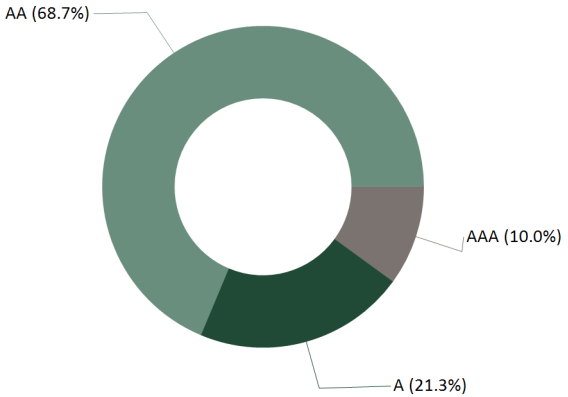
SECTOR ALLOCATION



MATURITY DISTRIBUTION



CREDIT QUALITY (S&P)



Holdings Report

As of December 31, 2023

CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
AGENCY									
3130ATUQ8	FHLB Note 4.75% Due 3/8/2024	1,000,000.00	12/14/2022 4.70%	1,000,587.00 1,000,087.79	99.89 5.29%	998,859.00 14,909.72	0.60% (1,228.79)	Aaa / AA+ NR	0.19 0.18
3133ENWP1	FFCB Note 2.625% Due 5/16/2024	415,000.00	05/10/2022 2.69%	414,439.75 414,895.77	99.00 5.32%	410,864.11 1,361.72	0.24% (4,031.66)	Aaa / AA+ AA+	0.38 0.37
3133ENWP1	FFCB Note 2.625% Due 5/16/2024	245,000.00	05/10/2022 2.69%	244,669.25 244,938.47	99.00 5.32%	242,558.33 803.91	0.14% (2,380.14)	Aaa / AA+ AA+	0.38 0.37
3130A1XJ2	FHLB Note 2.875% Due 6/14/2024	750,000.00	06/14/2019 1.97%	782,257.50 752,918.03	98.93 5.29%	741,966.75 1,018.23	0.44% (10,951.28)	Aaa / AA+ NR	0.45 0.44
3130A1XJ2	FHLB Note 2.875% Due 6/14/2024	1,200,000.00	06/14/2019 1.97%	1,251,612.00 1,204,668.85	98.93 5.29%	1,187,146.80 1,629.17	0.70% (17,522.05)	Aaa / AA+ NR	0.45 0.44
3130ASHK8	FHLB Note 3.125% Due 6/14/2024	1,300,000.00	Various 3.45%	1,292,725.50 1,298,174.50	99.10 5.15%	1,288,305.20 1,918.41	0.77% (9,869.30)	Aaa / AA+ NR	0.45 0.44
3130A1XJ2	FHLB Note 2.875% Due 6/14/2024	475,000.00	11/23/2022 4.78%	461,628.75 471,108.90	98.93 5.29%	469,912.28 644.88	0.28% (1,196.62)	Aaa / AA+ NR	0.45 0.44
3133ENP79	FFCB Note 4.25% Due 9/26/2024	1,500,000.00	09/22/2022 4.25%	1,499,880.00 1,499,955.84	99.45 5.01%	1,491,808.50 16,822.92	0.89% (8,147.34)	Aaa / AA+ AA+	0.74 0.71
3133ENP79	FFCB Note 4.25% Due 9/26/2024	1,250,000.00	09/22/2022 4.25%	1,249,900.00 1,249,963.20	99.45 5.01%	1,243,173.75 14,019.10	0.75% (6,789.45)	Aaa / AA+ AA+	0.74 0.71
3133ENP79	FFCB Note 4.25% Due 9/26/2024	400,000.00	09/22/2022 4.25%	399,968.00 399,988.22	99.45 5.01%	397,815.60 4,486.11	0.24% (2,172.62)	Aaa / AA+ AA+	0.74 0.71
3135G0W66	FNMA Note 1.625% Due 10/15/2024	390,000.00	10/17/2019 1.66%	389,333.10 389,894.70	97.45 4.96%	380,062.80 1,337.92	0.23% (9,831.90)	Aaa / AA+ AA+	0.79 0.77
3135G0W66	FNMA Note 1.625% Due 10/15/2024	1,220,000.00	10/17/2019 1.66%	1,217,913.80 1,219,670.60	97.45 4.96%	1,188,914.40 4,185.28	0.71% (30,756.20)	Aaa / AA+ AA+	0.79 0.77
3133ENEJ5	FFCB Note 0.875% Due 11/18/2024	850,000.00	11/16/2021 0.92%	848,920.50 849,682.85	96.55 4.92%	820,699.65 888.37	0.49% (28,983.20)	Aaa / AA+ AA+	0.88 0.86
3130A3GE8	FHLB Note 2.75% Due 12/13/2024	750,000.00	12/21/2021 0.95%	789,427.50 762,586.33	98.09 4.83%	735,680.25 1,031.25	0.44% (26,906.08)	Aaa / AA+ NR	0.95 0.92
3130AV7L0	FHLB Note 5% Due 2/28/2025	1,345,000.00	03/02/2023 5.07%	1,343,224.60 1,343,965.98	100.37 4.67%	1,349,936.15 22,977.08	0.81% 5,970.17	Aaa / AA+ NR	1.16 1.10
3130AWER7	FHLB Note 4.625% Due 6/6/2025	650,000.00	06/14/2023 4.69%	649,168.00 649,398.47	100.56 4.22%	653,627.00 2,087.67	0.39% 4,228.53	Aaa / AA+ NR	1.43 1.37

Holdings Report

As of December 31, 2023

CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
AGENCY									
3135G04Z3	FNMA Note 0.5% Due 6/17/2025	1,750,000.00	06/17/2020 0.54%	1,746,377.50 1,748,941.45	94.36 4.53%	1,651,361.25 340.28	0.98% (97,580.20)	Aaa / AA+ AA+	1.46 1.42
3135G04Z3	FNMA Note 0.5% Due 6/17/2025	655,000.00	06/17/2020 0.54%	653,644.15 654,603.80	94.36 4.53%	618,080.93 127.36	0.37% (36,522.87)	Aaa / AA+ AA+	1.46 1.42
3135G05X7	FNMA Note 0.375% Due 8/25/2025	395,000.00	08/25/2020 0.47%	393,151.40 394,389.88	93.49 4.51%	369,292.22 518.44	0.22% (25,097.66)	Aaa / AA+ AA+	1.65 1.61
3135G05X7	FNMA Note 0.375% Due 8/25/2025	1,050,000.00	08/25/2020 0.47%	1,045,086.00 1,048,378.16	93.49 4.51%	981,662.85 1,378.13	0.58% (66,715.31)	Aaa / AA+ AA+	1.65 1.61
3137EAEX3	FHLMC Note 0.375% Due 9/23/2025	1,350,000.00	09/23/2020 0.44%	1,345,936.50 1,348,594.26	93.33 4.43%	1,259,992.80 1,378.13	0.75% (88,601.46)	Aaa / AA+ AA+	1.73 1.68
3137EAEX3	FHLMC Note 0.375% Due 9/23/2025	505,000.00	09/23/2020 0.44%	503,479.95 504,474.15	93.33 4.43%	471,330.64 515.52	0.28% (33,143.51)	Aaa / AA+ AA+	1.73 1.68
3135G06G3	FNMA Note 0.5% Due 11/7/2025	545,000.00	11/09/2020 0.57%	543,048.90 544,275.70	93.15 4.40%	507,640.80 408.75	0.30% (36,634.90)	Aaa / AA+ AA+	1.85 1.80
3135G06G3	FNMA Note 0.5% Due 11/7/2025	1,455,000.00	11/09/2020 0.57%	1,449,791.10 1,453,066.33	93.15 4.40%	1,355,261.21 1,091.25	0.80% (97,805.12)	Aaa / AA+ AA+	1.85 1.80
3130ATUC9	FHLB Note 4.5% Due 12/12/2025	900,000.00	05/25/2023 4.37%	902,754.00 902,103.22	100.23 4.37%	902,112.30 2,137.50	0.54% 9.08	Aaa / AA+ NR	1.95 1.84
3133EPCR4	FFCB Note 4.75% Due 3/9/2026	1,400,000.00	03/27/2023 3.96%	1,430,534.00 1,422,624.08	101.18 4.18%	1,416,515.80 20,688.89	0.85% (6,108.28)	Aaa / AA+ AA+	2.19 2.03
3130AV6J6	FHLB Note 4.5% Due 3/13/2026	1,000,000.00	05/01/2023 4.02%	1,012,870.00 1,009,867.82	100.46 4.28%	1,004,556.00 13,500.00	0.60% (5,311.82)	Aaa / AA+ NR	2.20 2.05
3130AV6J6	FHLB Note 4.5% Due 3/13/2026	600,000.00	05/05/2023 3.78%	611,520.00 608,883.69	100.46 4.28%	602,733.60 8,100.00	0.36% (6,150.09)	Aaa / AA+ NR	2.20 2.05
3130AWLZ1	FHLB Note 4.75% Due 6/12/2026	650,000.00	08/28/2023 4.86%	648,147.50 648,371.77	101.25 4.20%	658,143.20 1,629.51	0.39% 9,771.43	Aaa / AA+ NR	2.45 2.29
3130AWLZ1	FHLB Note 4.75% Due 6/12/2026	1,000,000.00	08/28/2023 4.86%	997,150.00 997,495.03	101.25 4.20%	1,012,528.00 2,506.94	0.60% 15,032.97	Aaa / AA+ NR	2.45 2.29
3133EPNG6	FFCB Note 4.375% Due 6/23/2026	1,000,000.00	06/20/2023 4.39%	999,470.00 999,562.85	100.44 4.18%	1,004,442.00 972.22	0.60% 4,879.15	Aaa / AA+ AA+	2.48 2.32
3130AWTQ3	FHLB Note 4.625% Due 9/11/2026	500,000.00	09/27/2023 5.00%	494,865.00 495,299.68	101.29 4.11%	506,473.50 9,442.71	0.31% 11,173.82	Aaa / AA+ NR	2.70 2.47

Holdings Report

As of December 31, 2023

CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
AGENCY									
3130AXU63	Federal Home Loan Banks Note 4.625% Due 11/17/2026	1,100,000.00	11/29/2023 4.48%	1,104,400.00 1,104,285.82	101.41 4.10%	1,115,530.90 6,218.06	0.67% 11,245.08	Aaa / AA+ NR	2.88 2.66
3133EPH81	FFCB Note 4.5% Due 10/4/2027	600,000.00	12/07/2023 4.30%	604,302.00 604,228.04	101.74 4.00%	610,410.60 2,025.00	0.36% 6,182.56	Aaa / AA+ NR	3.76 3.42
3133EPH81	FFCB Note 4.5% Due 10/4/2027	1,200,000.00	12/07/2023 4.30%	1,208,604.00 1,208,456.08	101.74 4.00%	1,220,821.20 4,050.00	0.73% 12,365.12	Aaa / AA+ NR	3.76 3.42
3133EPC60	FFCB Note 4.625% Due 11/15/2027	1,650,000.00	11/09/2023 4.73%	1,643,878.50 1,644,075.43	102.24 3.99%	1,686,993.00 9,751.04	1.01% 42,917.57	Aaa / AA+ AA+	3.88 3.50
3133EPC60	FFCB Note 4.625% Due 11/15/2027	500,000.00	11/09/2023 4.73%	498,145.00 498,204.67	102.24 3.99%	511,210.00 2,954.86	0.30% 13,005.33	Aaa / AA+ AA+	3.88 3.50
3130ATUS4	FHLB Note 4.25% Due 12/10/2027	450,000.00	05/18/2023 3.82%	457,983.00 456,907.72	101.03 3.96%	454,631.40 1,115.63	0.27% (2,276.32)	Aaa / AA+ NR	3.95 3.59
3130ATS57	FHLB Note 4.5% Due 3/10/2028	600,000.00	04/20/2023 3.79%	618,726.00 616,050.86	102.36 3.88%	614,188.20 8,325.00	0.37% (1,862.66)	Aaa / AA+ NR	4.19 3.75
3130AWN63	FHLB Note 4% Due 6/30/2028	1,600,000.00	07/18/2023 4.09%	1,593,696.00 1,594,274.80	100.42 3.90%	1,606,713.60 177.78	0.95% 12,438.80	Aaa / AA+ NR	4.50 4.08
Total Agency		**36,195,000.00**	**3.11%**	**36,343,215.75** **36,259,313.79**	**4.52%**	**35,743,956.57** **189,474.74**	**21.31%** **(515,357.22)**	**Aaa / AA+** **AA+**	**1.91** **1.78**
CORPORATE									
89236TFS9	Toyota Motor Credit Corp Note 3.35% Due 1/8/2024	1,000,000.00	05/20/2019 2.69%	1,028,610.00 1,000,118.36	99.97 5.07%	999,651.00 16,098.61	0.60% (467.36)	A1 / A+ A+	0.02 0.02
24422EVN6	John Deere Capital Corp Note 0.45% Due 1/17/2024	705,000.00	03/01/2021 0.47%	704,499.45 704,992.37	99.79 5.10%	703,542.06 1,445.25	0.42% (1,450.31)	A2 / A A+	0.05 0.04
24422EVN6	John Deere Capital Corp Note 0.45% Due 1/17/2024	1,000,000.00	05/24/2021 0.42%	1,000,870.00 1,000,014.41	99.79 5.10%	997,932.00 2,050.00	0.59% (2,082.41)	A2 / A A+	0.05 0.04
78015K7L2	Royal Bank of Canada Note 0.425% Due 1/19/2024	1,250,000.00	06/22/2021 0.52%	1,246,975.00 1,249,942.01	99.75 5.48%	1,246,843.75 2,390.63	0.74% (3,098.26)	A1 / A AA-	0.05 0.05
78015K7L2	Royal Bank of Canada Note 0.425% Due 1/19/2024	450,000.00	06/22/2021 0.52%	448,911.00 449,979.12	99.75 5.48%	448,863.75 860.63	0.27% (1,115.37)	A1 / A AA-	0.05 0.05
46625HJT8	JP Morgan Chase Note 3.875% Due 2/1/2024	500,000.00	03/28/2019 2.89%	521,940.00 500,384.91	99.82 5.91%	499,116.50 8,072.92	0.30% (1,268.41)	A1 / A- AA-	0.09 0.08

Holdings Report

As of December 31, 2023

CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
CORPORATE									
808513AY1	Charles Schwab Corp Callable Note Cont 1/1/2024 3.55% Due 2/1/2024	1,000,000.00	05/19/2021 0.52%	1,080,950.00 1,002,545.08	99.80 5.87%	998,002.00 14,791.67	0.60% (4,543.08)	A2 / A- A	0.09 0.08
89114QCQ9	Toronto Dominion Bank Note 0.55% Due 3/4/2024	1,600,000.00	06/09/2021 0.42%	1,605,504.00 1,600,347.80	99.14 5.49%	1,586,280.00 2,860.00	0.94% (14,067.80)	A1 / A AA-	0.18 0.17
89114QCQ9	Toronto Dominion Bank Note 0.55% Due 3/4/2024	550,000.00	Various 0.49%	550,845.00 550,052.03	99.14 5.49%	545,283.75 983.13	0.32% (4,768.28)	A1 / A AA-	0.18 0.17
808513BN4	Charles Schwab Corp Callable Note Cont 2/18/2024 0.75% Due 3/18/2024	295,000.00	03/16/2021 0.77%	294,852.50 294,989.64	98.97 5.60%	291,970.06 633.02	0.17% (3,019.58)	A2 / A- A	0.21 0.21
808513BN4	Charles Schwab Corp Callable Note Cont 2/18/2024 0.75% Due 3/18/2024	110,000.00	03/16/2021 0.77%	109,945.00 109,996.14	98.97 5.60%	108,870.19 236.04	0.06% (1,125.95)	A2 / A- A	0.21 0.21
023135BW5	Amazon.com Inc Note 0.45% Due 5/12/2024	655,000.00	05/10/2021 0.50%	654,043.70 654,884.83	98.23 5.40%	643,424.84 401.19	0.38% (11,459.99)	A1 / AA AA-	0.36 0.36
023135BW5	Amazon.com Inc Note 0.45% Due 5/12/2024	245,000.00	05/10/2021 0.50%	244,642.30 244,956.92	98.23 5.40%	240,670.36 150.06	0.14% (4,286.56)	A1 / AA AA-	0.36 0.36
14913R2L0	Caterpillar Financial Service Note 0.45% Due 5/17/2024	390,000.00	05/10/2021 0.50%	389,477.40 389,934.68	98.16 5.41%	382,832.19 214.50	0.23% (7,102.49)	A2 / A A+	0.38 0.37
14913R2L0	Caterpillar Financial Service Note 0.45% Due 5/17/2024	1,040,000.00	05/10/2021 0.50%	1,038,606.40 1,039,825.80	98.16 5.41%	1,020,885.84 572.00	0.61% (18,939.96)	A2 / A A+	0.38 0.37
06051GJY6	Bank of America Corp Callable Note Cont 6/14/2023 5.72% Due 6/14/2024	525,000.00	06/07/2021 2.22%	525,035.20 525,005.30	99.86 6.07%	524,257.65 1,501.50	0.31% (747.65)	A1 / A- AA-	0.45 0.20
06051GJY6	Bank of America Corp Callable Note Cont 6/14/2023 5.72% Due 6/14/2024	195,000.00	06/07/2021 2.22%	195,012.80 195,001.93	99.86 6.07%	194,724.27 557.70	0.12% (277.66)	A1 / A- AA-	0.45 0.20
06367TQW3	Bank of Montreal Note 0.625% Due 7/9/2024	1,000,000.00	02/09/2022 1.89%	970,360.00 993,593.17	97.56 5.44%	975,557.00 2,986.11	0.58% (18,036.17)	A2 / A- AA-	0.52 0.51
79466LAG9	Salesforce.com Inc Callable Note Cont 7/15/2022 0.625% Due 7/15/2024	105,000.00	06/29/2021 0.64%	104,946.45 104,990.45	97.48 5.43%	102,353.16 302.60	0.06% (2,637.29)	A2 / A+ NR	0.54 0.52
79466LAG9	Salesforce.com Inc Callable Note Cont 7/15/2022 0.625% Due 7/15/2024	60,000.00	06/29/2021 0.64%	59,969.40 59,994.54	97.48 5.43%	58,487.52 172.92	0.03% (1,507.02)	A2 / A+ NR	0.54 0.52

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CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
CORPORATE									
79466LAG9	Salesforce.com Inc Callable Note Cont 7/15/2022 0.625% Due 7/15/2024	615,000.00	Various 0.84%	611,540.85 614,293.04	97.48 5.43%	599,497.08 1,772.40	0.36% (14,795.96)	A2 / A+ NR	0.54 0.52
78016EZU4	Royal Bank of Canada Note 0.65% Due 7/29/2024	400,000.00	10/06/2021 0.77%	398,680.00 399,729.56	97.36 5.35%	389,436.80 1,097.78	0.23% (10,292.76)	A1 / A AA-	0.58 0.56
78016EZU4	Royal Bank of Canada Note 0.65% Due 7/29/2024	100,000.00	10/06/2021 0.77%	99,670.00 99,932.39	97.36 5.35%	97,359.20 274.44	0.06% (2,573.19)	A1 / A AA-	0.58 0.56
69371RR40	Paccar Financial Corp Note 0.5% Due 8/9/2024	400,000.00	08/03/2021 0.52%	399,784.00 399,956.45	97.06 5.50%	388,246.00 788.89	0.23% (11,710.45)	A1 / A+ NR	0.61 0.59
69371RR40	Paccar Financial Corp Note 0.5% Due 8/9/2024	450,000.00	Various 0.53%	449,556.00 449,907.92	97.06 5.50%	436,776.75 887.50	0.26% (13,131.17)	A1 / A+ NR	0.61 0.59
023135AZ9	Amazon.com Inc Callable Note Cont 6/22/2024 2.8% Due 8/22/2024	225,000.00	06/10/2021 0.57%	240,853.50 228,184.31	98.45 5.28%	221,520.83 2,257.50	0.13% (6,663.48)	A1 / AA AA-	0.64 0.62
023135AZ9	Amazon.com Inc Callable Note Cont 6/22/2024 2.8% Due 8/22/2024	575,000.00	06/10/2021 0.57%	615,514.50 583,137.68	98.45 5.28%	566,108.78 5,769.17	0.34% (17,028.90)	A1 / AA AA-	0.64 0.62
023135AZ9	Amazon.com Inc Callable Note Cont 6/22/2024 2.8% Due 8/22/2024	950,000.00	06/10/2021 0.57%	1,016,937.00 963,444.86	98.45 5.28%	935,310.15 9,531.67	0.56% (28,134.71)	A1 / AA AA-	0.64 0.62
89236TJT3	Toyota Motor Credit Corp Note 1.45% Due 1/13/2025	455,000.00	01/10/2022 1.50%	454,390.30 454,789.72	96.50 4.96%	439,090.02 3,078.83	0.26% (15,699.70)	A1 / A+ A+	1.04 1.00
89236TJT3	Toyota Motor Credit Corp Note 1.45% Due 1/13/2025	270,000.00	01/10/2022 1.50%	269,638.20 269,875.22	96.50 4.96%	260,558.91 1,827.00	0.16% (9,316.31)	A1 / A+ A+	1.04 1.00
89236TJT3	Toyota Motor Credit Corp Note 1.45% Due 1/13/2025	715,000.00	01/10/2022 1.50%	714,041.90 714,669.56	96.50 4.96%	689,998.60 4,838.17	0.41% (24,670.96)	A1 / A+ A+	1.04 1.00
78016EYM3	Royal Bank of Canada Note 1.6% Due 1/21/2025	1,000,000.00	01/12/2022 1.60%	1,000,000.00 1,000,000.00	96.47 5.08%	964,651.00 7,111.11	0.58% (35,349.00)	A1 / A AA-	1.06 1.02
46625HKC3	JP Morgan Chase Callable Note Cont 10/23/2024 3.125% Due 1/23/2025	375,000.00	02/22/2021 0.92%	406,747.50 383,620.03	97.90 5.19%	367,114.88 5,143.23	0.22% (16,505.15)	A1 / A- AA-	1.07 1.01
46625HKC3	JP Morgan Chase Callable Note Cont 10/23/2024 3.125% Due 1/23/2025	500,000.00	02/22/2021 0.92%	542,330.00 511,493.38	97.90 5.19%	489,486.50 6,857.64	0.29% (22,006.88)	A1 / A- AA-	1.07 1.01

CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
CORPORATE									
00440EAS6	Chubb INA Holdings Inc Note 3.15% Due 3/15/2025	1,000,000.00	03/25/2021 1.06%	1,080,660.00 1,024,471.14	97.79 5.06%	977,875.00 9,275.00	0.59% (46,596.14)	A3 / A A	1.21 1.15
00440EAS6	Chubb INA Holdings Inc Note 3.15% Due 3/15/2025	360,000.00	03/25/2021 1.06%	389,037.60 368,809.61	97.79 5.06%	352,035.00 3,339.00	0.21% (16,774.61)	A3 / A A	1.21 1.15
06051GHR3	Bank of America Corp Callable Note 1X 3/15/2024 3.458% Due 3/15/2025	550,000.00	Various 2.14%	593,740.50 563,283.91	99.52 5.72%	547,376.50 5,600.04	0.33% (15,907.41)	A1 / A- AA-	1.21 0.20
06051GHR3	Bank of America Corp Callable Note 1X 3/15/2024 3.458% Due 3/15/2025	1,500,000.00	Various 2.14%	1,620,105.00 1,536,342.40	99.52 5.72%	1,492,845.00 15,272.83	0.89% (43,497.40)	A1 / A- AA-	1.21 0.20
87612EBL9	Target Corp Callable Note Cont 4/15/25 2.25% Due 4/15/2025	800,000.00	01/31/2022 1.76%	812,112.00 804,873.84	96.96 4.70%	775,692.00 3,800.00	0.46% (29,181.84)	A2 / A A	1.29 1.24
87612EBL9	Target Corp Callable Note Cont 4/15/25 2.25% Due 4/15/2025	300,000.00	01/31/2022 1.76%	304,542.00 301,827.69	96.96 4.70%	290,884.50 1,425.00	0.17% (10,943.19)	A2 / A A	1.29 1.24
87612EBL9	Target Corp Callable Note Cont 4/15/25 2.25% Due 4/15/2025	550,000.00	01/31/2022 1.76%	558,327.00 553,350.76	96.96 4.70%	533,288.25 2,612.50	0.32% (20,062.51)	A2 / A A	1.29 1.24
61747YEQ4	Morgan Stanley Callable Note S/A 4/17/2024 3.62% Due 4/17/2025	250,000.00	05/18/2022 4.81%	248,737.50 249,439.42	99.40 5.64%	248,488.75 1,860.28	0.15% (950.67)	A1 / A- A+	1.30 0.29
61747YEQ4	Morgan Stanley Callable Note S/A 4/17/2024 3.62% Due 4/17/2025	425,000.00	05/18/2022 4.81%	422,853.75 424,047.01	99.40 5.64%	422,430.88 3,162.47	0.25% (1,616.13)	A1 / A- A+	1.30 0.29
61747YEQ4	Morgan Stanley Callable Note S/A 4/17/2024 3.62% Due 4/17/2025	150,000.00	05/18/2022 4.81%	149,242.50 149,663.65	99.40 5.64%	149,093.25 1,116.17	0.09% (570.40)	A1 / A- A+	1.30 0.29
06051GJR1	Bank of America Corp Callable Note Cont 4/22/2024 0.976% Due 4/22/2025	500,000.00	01/20/2022 3.00%	492,645.00 497,036.88	98.40 6.15%	491,984.50 935.33	0.29% (5,052.38)	A1 / A- AA-	1.31 1.17
06367WB85	Bank of Montreal Note 1.85% Due 5/1/2025	450,000.00	Various 0.87%	466,155.00 455,783.93	95.88 5.09%	431,439.75 1,387.50	0.26% (24,344.18)	A2 / A- AA-	1.33 1.29
06367WB85	Bank of Montreal Note 1.85% Due 5/1/2025	1,200,000.00	Various 1.43%	1,220,400.00 1,206,569.84	95.88 5.09%	1,150,506.00 3,700.00	0.68% (56,063.84)	A2 / A- AA-	1.33 1.29
747525AF0	Qualcomm Inc Callable Note Cont 2/20/2025 3.45% Due 5/20/2025	800,000.00	03/09/2022 2.48%	823,608.00 810,224.73	98.18 4.82%	785,448.80 3,143.33	0.47% (24,775.93)	A2 / A NR	1.39 1.33

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CORPORATE									
747525AF0	Qualcomm Inc Callable Note Cont 2/20/2025 3.45% Due 5/20/2025	300,000.00	03/09/2022 2.48%	308,853.00 303,834.28	98.18 4.82%	294,543.30 1,178.75	0.18% (9,290.98)	A2 / A NR	1.39 1.33
747525AF0	Qualcomm Inc Callable Note Cont 2/20/2025 3.45% Due 5/20/2025	500,000.00	03/09/2022 2.48%	514,755.00 506,390.46	98.18 4.82%	490,905.50 1,964.58	0.29% (15,484.96)	A2 / A NR	1.39 1.33
438516CB0	Honeywell Intl Callable Note Cont 5/1/2025 1.35% Due 6/1/2025	500,000.00	03/09/2022 2.32%	485,020.00 493,425.59	95.46 4.70%	477,324.00 562.50	0.28% (16,101.59)	A2 / A A	1.42 1.37
438516CB0	Honeywell Intl Callable Note Cont 5/1/2025 1.35% Due 6/1/2025	300,000.00	03/09/2022 2.32%	291,012.00 296,055.35	95.46 4.70%	286,394.40 337.50	0.17% (9,660.95)	A2 / A A	1.42 1.37
438516CB0	Honeywell Intl Callable Note Cont 5/1/2025 1.35% Due 6/1/2025	800,000.00	03/09/2022 2.32%	776,032.00 789,480.94	95.46 4.70%	763,718.40 900.00	0.45% (25,762.54)	A2 / A A	1.42 1.37
06406RBF3	Bank of NY Mellon Corp Callable Note Cont 6/13/2024 3.43% Due 6/13/2025	470,000.00	06/08/2022 4.27%	470,000.00 470,000.00	98.97 5.75%	465,144.90 806.05	0.28% (4,855.10)	A1 / A AA-	1.45 0.44
46647PCK0	JP Morgan Chase & Co Callable Note Cont 6/23/2024 0.969% Due 6/23/2025	400,000.00	07/16/2021 2.19%	400,576.00 400,216.50	97.66 5.97%	390,646.80 86.13	0.23% (9,569.70)	A1 / A- AA-	1.48 0.47
46647PCK0	JP Morgan Chase & Co Callable Note Cont 6/23/2024 0.969% Due 6/23/2025	150,000.00	07/16/2021 2.19%	150,216.00 150,081.19	97.66 5.97%	146,492.55 32.30	0.09% (3,588.64)	A1 / A- AA-	1.48 0.47
46647PCK0	JP Morgan Chase & Co Callable Note Cont 6/23/2024 0.969% Due 6/23/2025	1,000,000.00	01/24/2022 2.96%	982,210.00 992,291.95	97.66 5.97%	976,617.00 215.33	0.58% (15,674.95)	A1 / A- AA-	1.48 0.47
89236TKC8	Toyota Motor Credit Corp Note 3.95% Due 6/30/2025	325,000.00	07/15/2022 3.75%	326,820.00 325,922.67	98.81 4.78%	321,117.55 35.66	0.19% (4,805.12)	A1 / A+ A+	1.50 1.44
69371RR99	Paccar Financial Corp Note 3.55% Due 8/11/2025	800,000.00	08/03/2022 3.51%	801,016.00 800,545.08	98.34 4.63%	786,731.20 11,044.44	0.47% (13,813.88)	A1 / A+ NR	1.61 1.52
69371RR99	Paccar Financial Corp Note 3.55% Due 8/11/2025	800,000.00	08/03/2022 3.51%	801,016.00 800,545.08	98.34 4.63%	786,731.20 11,044.44	0.47% (13,813.88)	A1 / A+ NR	1.61 1.52
24422EWJ4	John Deere Capital Corp Note 4.05% Due 9/8/2025	350,000.00	09/08/2022 3.99%	350,574.00 350,323.79	99.06 4.63%	346,707.55 4,449.38	0.21% (3,616.24)	A2 / A A+	1.69 1.59

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CORPORATE									
6174468R3	Morgan Stanley Callable Note Cont 10/21/24 0.864% Due 10/21/2025	500,000.00	08/11/2022 4.84%	465,355.00 480,368.83	96.06 5.93%	480,286.50 840.00	0.29% (82.33)	A1 / A- A+	1.81 0.78
63743HFF4	National Rural Utilities Note 5.45% Due 10/30/2025	350,000.00	10/21/2022 5.44%	350,080.50 350,049.11	101.00 4.87%	353,503.85 3,232.15	0.21% 3,454.74	A2 / A- A	1.83 1.71
89115A2K7	Toronto-Dominion Bank Note 5.103% Due 1/9/2026	280,000.00	07/07/2023 5.26%	278,958.40 279,156.91	100.69 4.74%	281,929.76 6,826.68	0.17% 2,772.85	A1 / A AA-	2.03 1.86
06051GHY8	Bank of America Corp Callable Note Cont 2/13/2025 2.015% Due 2/13/2026	300,000.00	08/11/2022 4.94%	283,263.00 289,863.51	96.09 5.66%	288,274.80 2,317.25	0.17% (1,588.71)	A1 / A- AA-	2.12 1.07
341081GR2	Florida Power and Light Callable Note Cont 4/15/2026 4.45% Due 5/15/2026	500,000.00	06/14/2023 4.83%	494,880.00 495,837.59	100.09 4.40%	500,430.50 2,843.06	0.30% 4,592.91	A1 / A A+	2.37 2.15
61747YET8	Morgan Stanley Callable Note Cont 7/17/2025 4.679% Due 7/17/2026	800,000.00	Various 5.11%	804,410.90 802,858.46	99.04 5.32%	792,322.41 17,052.36	0.48% (10,536.05)	A1 / A- A+	2.55 1.44
61747YET8	Morgan Stanley Callable Note Cont 7/17/2025 4.679% Due 7/17/2026	300,000.00	Various 5.11%	301,673.10 301,084.24	99.04 5.32%	297,120.91 6,394.64	0.18% (3,963.33)	A1 / A- A+	2.55 1.44
89115A2S0	Toronto-Dominion Bank Note 5.532% Due 7/17/2026	500,000.00	09/27/2023 5.81%	496,480.00 496,794.35	101.90 4.73%	509,499.50 12,600.67	0.31% 12,705.15	A1 / A AA-	2.55 2.30
69371RS56	Paccar Financial Corp Note 5.05% Due 8/10/2026	165,000.00	08/24/2023 5.09%	164,825.10 164,845.54	101.40 4.47%	167,317.26 3,263.56	0.10% 2,471.72	A1 / A+ NR	2.61 2.38
Total Corporate		**38,930,000.00**	**1.96%**	**39,475,871.20** **39,030,279.84**	**5.27%**	**38,267,851.41** **253,172.69**	**22.84%** **(762,428.43)**	**A1 / A** **A+**	**0.98** **0.76**
MONEY MARKET FUND									
192826303	Fidelity Institutional Govt Portfolio	122,014.91	Various 5.18%	122,014.91 122,014.91	1.00 5.18%	122,014.91 0.00	0.07% 0.00	Aaa / AAA NR	0.00 0.00
192826303	Fidelity Institutional Govt Portfolio	107,188.34	Various 5.18%	107,188.34 107,188.34	1.00 5.18%	107,188.34 0.00	0.06% 0.00	Aaa / AAA NR	0.00 0.00

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CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
MONEY MARKET FUND									
192826303	Fidelity Institutional Govt Portfolio	139,764.56	Various 5.18%	139,764.56 139,764.56	1.00 5.18%	139,764.56 0.00	0.08% 0.00	Aaa / AAA NR	0.00 0.00
Total Money Market Fund		**368,967.81**	**5.18%**	**368,967.81** **368,967.81**	**5.18%**	**368,967.81** **0.00**	**0.22%** **0.00**	**Aaa / AAA** **NR**	**0.00** **0.00**
SUPRANATIONAL									
459058GQ0	Intl. Bank Recon & Development Note 2.5% Due 3/19/2024	1,000,000.00	06/07/2021 0.32%	1,060,202.00 1,004,630.92	99.38 5.34%	993,845.00 7,083.33	0.59% (10,785.92)	Aaa / AAA AAA	0.22 0.21
4581X0DZ8	Inter-American Dev Bank Note 0.5% Due 9/23/2024	350,000.00	10/06/2021 0.58%	349,230.00 349,810.53	96.79 5.05%	338,755.20 476.39	0.20% (11,055.33)	Aaa / AAA NR	0.73 0.71
4581X0DZ8	Inter-American Dev Bank Note 0.5% Due 9/23/2024	1,100,000.00	Various 0.67%	1,094,861.00 1,098,672.52	96.79 5.05%	1,064,659.20 1,497.22	0.63% (34,013.32)	Aaa / AAA NR	0.73 0.71
4581X0DZ8	Inter-American Dev Bank Note 0.5% Due 9/23/2024	3,000,000.00	Various 0.77%	2,977,709.00 2,994,153.31	96.79 5.05%	2,903,616.00 4,083.33	1.72% (90,537.31)	Aaa / AAA NR	0.73 0.71
45950KCR9	International Finance Corp Note 1.375% Due 10/16/2024	2,000,000.00	Various 0.47%	2,060,490.00 2,014,190.87	97.20 5.02%	1,944,022.00 5,729.16	1.16% (70,168.87)	Aaa / AAA NR	0.79 0.77
45950KCR9	International Finance Corp Note 1.375% Due 10/16/2024	800,000.00	08/10/2021 0.53%	821,331.84 805,309.99	97.20 5.02%	777,608.80 2,291.66	0.46% (27,701.19)	Aaa / AAA NR	0.79 0.77
45950KCR9	International Finance Corp Note 1.375% Due 10/16/2024	300,000.00	08/10/2021 0.53%	307,999.16 301,991.18	97.20 5.02%	291,603.30 859.38	0.17% (10,387.88)	Aaa / AAA NR	0.79 0.77
459058JL8	Intl. Bank Recon & Development Note 0.5% Due 10/28/2025	1,255,000.00	Various 0.92%	1,234,726.85 1,245,505.81	93.19 4.42%	1,169,582.19 1,098.13	0.69% (75,923.62)	Aaa / AAA AAA	1.83 1.78
459058JL8	Intl. Bank Recon & Development Note 0.5% Due 10/28/2025	3,000,000.00	Various 0.89%	2,955,901.00 2,979,306.33	93.19 4.42%	2,795,814.00 2,625.00	1.66% (183,492.33)	Aaa / AAA AAA	1.83 1.78
459058KT9	Intl. Bank Recon & Development Note 3.5% Due 7/12/2028	950,000.00	07/07/2023 4.49%	908,333.00 912,278.48	97.91 4.01%	930,175.40 15,609.03	0.56% 17,896.92	Aaa / AAA NR	4.53 4.07
459058KT9	Intl. Bank Recon & Development Note 3.5% Due 7/12/2028	350,000.00	07/07/2023 4.49%	334,649.00 336,102.60	97.91 4.01%	342,696.20 5,750.69	0.21% 6,593.60	Aaa / AAA NR	4.53 4.07
45950KDD9	International Finance Corp Note 4.5% Due 7/13/2028	280,000.00	07/06/2023 4.53%	279,689.20 279,718.46	102.09 3.99%	285,856.20 5,880.00	0.17% 6,137.74	Aaa / AAA NR	4.54 3.99

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CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
SUPRANATIONAL									
45950KDD9	International Finance Corp Note 4.5% Due 7/13/2028	740,000.00	07/06/2023 4.53%	739,178.60 739,255.93	102.09 3.99%	755,477.10 15,540.00	0.46% 16,221.17	Aaa / AAA NR	4.54 3.99
Total Supranational		**15,125,000.00**	**1.27%**	**15,124,300.65** **15,060,926.93**	**4.73%**	**14,593,710.59** **68,523.32**	**8.69%** **(467,216.34)**	**Aaa / AAA** **AAA**	**1.62** **1.51**
US TREASURY									
91282CBE0	US Treasury Note 0.125% Due 1/15/2024	1,500,000.00	05/24/2021 0.25%	1,494,960.94 1,499,926.89	99.82 4.64%	1,497,241.50 866.17	0.89% (2,685.39)	Aaa / AA+ AA+	0.04 0.04
912828V80	US Treasury Note 2.25% Due 1/31/2024	600,000.00	03/03/2020 0.72%	635,273.44 600,741.04	99.75 5.17%	598,507.20 5,649.46	0.36% (2,233.84)	Aaa / AA+ AA+	0.08 0.08
912828V80	US Treasury Note 2.25% Due 1/31/2024	1,500,000.00	03/03/2020 0.72%	1,588,183.59 1,501,852.60	99.75 5.17%	1,496,268.00 14,123.64	0.90% (5,584.60)	Aaa / AA+ AA+	0.08 0.08
91282CDV0	US Treasury Note 0.875% Due 1/31/2024	500,000.00	02/14/2022 1.59%	493,125.00 499,711.54	99.65 5.08%	498,228.50 1,830.84	0.30% (1,483.04)	Aaa / AA+ AA+	0.08 0.08
912796Z28	US Treasury Bill 4.79% Due 2/22/2024	800,000.00	03/03/2023 5.03%	762,425.11 794,302.73	99.29 5.03%	794,302.73 0.00	0.47% 0.00	P-1 / A-1+ F-1+	0.15 0.14
912828W48	US Treasury Note 2.125% Due 2/29/2024	1,250,000.00	04/15/2019 2.37%	1,236,035.16 1,249,537.12	99.49 5.23%	1,243,587.50 8,975.79	0.74% (5,949.62)	Aaa / AA+ AA+	0.16 0.16
912828W48	US Treasury Note 2.125% Due 2/29/2024	600,000.00	Various 2.45%	594,003.91 599,701.99	99.49 5.23%	596,922.00 4,308.38	0.36% (2,779.99)	Aaa / AA+ AA+	0.16 0.16
91282CBR1	US Treasury Note 0.25% Due 3/15/2024	1,000,000.00	05/27/2021 0.26%	999,804.69 999,985.86	99.00 5.13%	990,039.00 741.76	0.59% (9,946.86)	Aaa / AA+ AA+	0.21 0.20
91282CEG2	US Treasury Note 2.25% Due 3/31/2024	800,000.00	04/28/2022 2.63%	794,406.25 799,282.85	99.25 5.26%	794,031.20 4,573.77	0.47% (5,251.65)	Aaa / AA+ AA+	0.25 0.25
912796CX5	US Treasury Bill 4.614% Due 4/18/2024	1,100,000.00	05/01/2023 4.84%	1,050,371.72 1,084,460.17	98.59 4.84%	1,084,460.17 0.00	0.64% 0.00	P-1 / A-1+ F-1+	0.30 0.29
912828X70	US Treasury Note 2% Due 4/30/2024	600,000.00	05/30/2019 2.09%	597,609.38 599,840.27	98.95 5.19%	593,718.60 2,043.96	0.35% (6,121.67)	Aaa / AA+ AA+	0.33 0.33
912828X70	US Treasury Note 2% Due 4/30/2024	1,250,000.00	11/14/2019 1.64%	1,269,384.77 1,251,428.85	98.95 5.19%	1,236,913.75 4,258.24	0.74% (14,515.10)	Aaa / AA+ AA+	0.33 0.33

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US TREASURY									
91282CEK3	US Treasury Note 2.5% Due 4/30/2024	1,000,000.00	06/10/2022 2.94%	991,953.13 998,594.43	99.09 5.28%	990,859.00 4,258.24	0.59% (7,735.43)	Aaa / AA+ AA+	0.33 0.33
91282CCC3	US Treasury Note 0.25% Due 5/15/2024	1,000,000.00	05/27/2021 0.31%	998,359.38 999,795.49	98.20 5.15%	982,031.00 322.80	0.58% (17,764.49)	Aaa / AA+ AA+	0.37 0.37
91282CCC3	US Treasury Note 0.25% Due 5/15/2024	1,600,000.00	01/18/2022 1.16%	1,566,750.00 1,594,700.41	98.20 5.15%	1,571,249.60 516.48	0.93% (23,450.81)	Aaa / AA+ AA+	0.37 0.37
91282CER8	US Treasury Note 2.5% Due 5/31/2024	1,000,000.00	06/01/2022 2.67%	996,796.88 999,336.53	98.88 5.24%	988,828.00 2,185.79	0.59% (10,508.53)	Aaa / AA+ AA+	0.42 0.41
91282CER8	US Treasury Note 2.5% Due 5/31/2024	500,000.00	06/01/2022 2.67%	498,398.43 499,668.26	98.88 5.24%	494,414.00 1,092.90	0.29% (5,254.26)	Aaa / AA+ AA+	0.42 0.41
91282CER8	US Treasury Note 2.5% Due 5/31/2024	600,000.00	Various 2.84%	596,070.31 599,176.85	98.88 5.24%	593,296.80 1,311.48	0.35% (5,880.05)	Aaa / AA+ AA+	0.42 0.41
91282CCG4	US Treasury Note 0.25% Due 6/15/2024	1,000,000.00	06/09/2021 0.31%	998,125.00 999,716.01	97.82 5.15%	978,164.00 116.12	0.58% (21,552.01)	Aaa / AA+ AA+	0.46 0.45
912828XX3	US Treasury Note 2% Due 6/30/2024	1,300,000.00	03/30/2021 0.42%	1,366,371.09 1,310,120.61	98.44 5.20%	1,279,738.20 71.43	0.76% (30,382.41)	Aaa / AA+ AA+	0.50 0.49
912828XX3	US Treasury Note 2% Due 6/30/2024	600,000.00	Various 1.10%	619,482.42 602,657.12	98.44 5.20%	590,648.40 32.97	0.35% (12,008.72)	Aaa / AA+ AA+	0.50 0.49
91282CEX5	US Treasury Note 3% Due 6/30/2024	300,000.00	06/28/2022 3.11%	299,343.75 299,837.51	98.95 5.15%	296,859.30 24.73	0.18% (2,978.21)	Aaa / AA+ AA+	0.50 0.49
91282CEX5	US Treasury Note 3% Due 6/30/2024	900,000.00	06/28/2022 3.11%	898,031.25 899,512.53	98.95 5.15%	890,577.90 74.18	0.53% (8,934.63)	Aaa / AA+ AA+	0.50 0.49
91282CEX5	US Treasury Note 3% Due 6/30/2024	900,000.00	Various 3.11%	898,031.25 899,512.52	98.95 5.15%	890,577.90 74.18	0.53% (8,934.62)	Aaa / AA+ AA+	0.50 0.49
91282CCL3	US Treasury Note 0.375% Due 7/15/2024	750,000.00	Various 0.39%	749,574.22 749,924.97	97.52 5.08%	731,425.50 1,299.25	0.43% (18,499.47)	Aaa / AA+ AA+	0.54 0.53
91282CFA4	US Treasury Note 3% Due 7/31/2024	500,000.00	08/04/2022 3.01%	499,882.81 499,965.78	98.82 5.07%	494,101.50 6,277.17	0.30% (5,864.28)	Aaa / AA+ AA+	0.58 0.56
91282CCX7	US Treasury Note 0.375% Due 9/15/2024	500,000.00	10/07/2021 0.56%	497,304.69 499,351.92	96.84 4.98%	484,219.00 556.32	0.29% (15,132.92)	Aaa / AA+ AA+	0.71 0.69
91282CCX7	US Treasury Note 0.375% Due 9/15/2024	300,000.00	10/07/2021 0.56%	298,382.81 299,611.15	96.84 4.98%	290,531.40 333.79	0.17% (9,079.75)	Aaa / AA+ AA+	0.71 0.69

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US TREASURY									
912828YH7	US Treasury Note 1.5% Due 9/30/2024	250,000.00	10/13/2021 0.61%	256,484.38 251,636.08	97.49 4.96%	243,720.75 952.87	0.15% (7,915.33)	Aaa / AA+ AA+	0.75 0.73
912828YH7	US Treasury Note 1.5% Due 9/30/2024	1,100,000.00	10/13/2021 0.61%	1,128,531.25 1,107,198.73	97.49 4.96%	1,072,371.30 4,192.62	0.64% (34,827.43)	Aaa / AA+ AA+	0.75 0.73
9128283D0	US Treasury Note 2.25% Due 10/31/2024	1,500,000.00	06/13/2022 3.29%	1,464,726.56 1,487,674.57	97.84 4.92%	1,467,657.00 5,748.63	0.87% (20,017.57)	Aaa / AA+ AA+	0.84 0.81
912828YY0	US Treasury Note 1.75% Due 12/31/2024	1,600,000.00	Various 1.11%	1,638,609.38 1,610,039.57	97.05 4.81%	1,552,777.60 76.93	0.92% (57,261.97)	Aaa / AA+ AA+	1.00 0.97
912828YY0	US Treasury Note 1.75% Due 12/31/2024	550,000.00	Various 1.11%	563,173.83 553,408.31	97.05 4.81%	533,767.30 26.45	0.32% (19,641.01)	Aaa / AA+ AA+	1.00 0.97
91282CGD7	US Treasury Note 4.25% Due 12/31/2024	1,000,000.00	01/12/2023 4.15%	1,001,796.88 1,000,918.57	99.47 4.80%	994,663.00 116.76	0.59% (6,255.57)	Aaa / AA+ AA+	1.00 0.97
91282CDS7	US Treasury Note 1.125% Due 1/15/2025	700,000.00	01/20/2022 1.33%	695,843.75 698,551.03	96.33 4.78%	674,312.80 3,637.91	0.40% (24,238.23)	Aaa / AA+ AA+	1.04 1.01
91282CDS7	US Treasury Note 1.125% Due 1/15/2025	250,000.00	04/12/2022 2.60%	240,263.67 246,329.56	96.33 4.78%	240,826.00 1,299.25	0.14% (5,503.56)	Aaa / AA+ AA+	1.04 1.01
912828Z52	US Treasury Note 1.375% Due 1/31/2025	550,000.00	01/27/2021 0.28%	574,019.53 556,497.09	96.48 4.74%	530,642.75 3,164.74	0.32% (25,854.34)	Aaa / AA+ AA+	1.09 1.05
912828Z52	US Treasury Note 1.375% Due 1/31/2025	790,000.00	01/27/2021 0.28%	824,500.78 799,332.18	96.48 4.74%	762,195.95 4,545.72	0.45% (37,136.23)	Aaa / AA+ AA+	1.09 1.05
912828Z52	US Treasury Note 1.375% Due 1/31/2025	750,000.00	Various 2.61%	724,894.53 740,353.64	96.48 4.74%	723,603.75 4,315.56	0.43% (16,749.89)	Aaa / AA+ AA+	1.09 1.05
91282CDZ1	US Treasury Note 1.5% Due 2/15/2025	1,000,000.00	Various 1.92%	988,222.66 995,402.64	96.50 4.73%	965,039.00 5,665.76	0.58% (30,363.64)	Aaa / AA+ AA+	1.13 1.09
91282CDZ1	US Treasury Note 1.5% Due 2/15/2025	1,600,000.00	Various 2.50%	1,555,968.75 1,582,737.22	96.50 4.73%	1,544,062.40 9,065.22	0.92% (38,674.82)	Aaa / AA+ AA+	1.13 1.09
91282CDZ1	US Treasury Note 1.5% Due 2/15/2025	600,000.00	Various 2.48%	583,771.49 593,648.16	96.50 4.73%	579,023.40 3,399.46	0.35% (14,624.76)	Aaa / AA+ AA+	1.13 1.09
91282CED9	US Treasury Note 1.75% Due 3/15/2025	600,000.00	Various 2.64%	584,953.13 593,857.93	96.63 4.65%	579,773.40 3,115.39	0.35% (14,084.53)	Aaa / AA+ AA+	1.21 1.17
91282CED9	US Treasury Note 1.75% Due 3/15/2025	2,000,000.00	Various 2.39%	1,963,703.13 1,985,227.43	96.63 4.65%	1,932,578.00 10,384.62	1.15% (52,649.43)	Aaa / AA+ AA+	1.21 1.17

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US TREASURY									
91282CED9	US Treasury Note 1.75% Due 3/15/2025	1,000,000.00	Various 2.46%	979,785.16 991,808.17	96.63 4.65%	966,289.00 5,192.31	0.58% (25,519.17)	Aaa / AA+ AA+	1.21 1.17
912828ZL7	US Treasury Note 0.375% Due 4/30/2025	1,700,000.00	Various 0.67%	1,681,007.82 1,693,423.41	94.63 4.57%	1,608,757.60 1,085.85	0.95% (84,665.81)	Aaa / AA+ AA+	1.33 1.30
912828ZL7	US Treasury Note 0.375% Due 4/30/2025	550,000.00	Various 0.67%	543,837.90 547,863.78	94.63 4.57%	520,480.40 351.30	0.31% (27,383.38)	Aaa / AA+ AA+	1.33 1.30
91282CEQ0	US Treasury Note 2.75% Due 5/15/2025	275,000.00	05/23/2022 2.80%	274,645.51 274,836.94	97.63 4.54%	268,490.20 976.48	0.16% (6,346.74)	Aaa / AA+ AA+	1.37 1.32
91282CEQ0	US Treasury Note 2.75% Due 5/15/2025	850,000.00	05/23/2022 2.80%	848,904.30 849,496.00	97.63 4.54%	829,878.80 3,018.20	0.49% (19,617.20)	Aaa / AA+ AA+	1.37 1.32
91282CEY3	US Treasury Note 3% Due 7/15/2025	400,000.00	07/13/2022 3.15%	398,343.75 399,152.23	97.82 4.48%	391,265.60 5,543.48	0.24% (7,886.63)	Aaa / AA+ AA+	1.54 1.46
91282CEY3	US Treasury Note 3% Due 7/15/2025	1,000,000.00	07/13/2022 3.15%	995,859.38 997,880.58	97.82 4.48%	978,164.00 13,858.70	0.59% (19,716.58)	Aaa / AA+ AA+	1.54 1.46
91282CEY3	US Treasury Note 3% Due 7/15/2025	475,000.00	07/19/2022 3.18%	472,569.34 473,750.14	97.82 4.48%	464,627.90 6,582.88	0.28% (9,122.24)	Aaa / AA+ AA+	1.54 1.46
91282CFE6	US Treasury Note 3.125% Due 8/15/2025	1,700,000.00	09/08/2022 3.54%	1,680,476.56 1,689,208.33	98.01 4.41%	1,666,132.60 20,066.24	1.00% (23,075.73)	Aaa / AA+ AA+	1.62 1.54
91282CFE6	US Treasury Note 3.125% Due 8/15/2025	375,000.00	09/08/2022 3.54%	370,693.36 372,619.49	98.01 4.41%	367,529.25 4,426.38	0.22% (5,090.24)	Aaa / AA+ AA+	1.62 1.54
91282CFK2	US Treasury Note 3.5% Due 9/15/2025	450,000.00	09/19/2022 3.90%	444,937.50 447,109.13	98.53 4.40%	443,372.85 4,673.08	0.27% (3,736.28)	Aaa / AA+ AA+	1.71 1.62
91282CFP1	US Treasury Note 4.25% Due 10/15/2025	500,000.00	10/19/2022 4.55%	495,859.38 497,521.70	99.81 4.36%	499,062.50 4,528.69	0.30% 1,540.80	Aaa / AA+ AA+	1.79 1.69
91282CFP1	US Treasury Note 4.25% Due 10/15/2025	1,500,000.00	10/19/2022 4.55%	1,487,578.13 1,492,565.10	99.81 4.36%	1,497,187.50 13,586.07	0.90% 4,622.40	Aaa / AA+ AA+	1.79 1.69
91282CFP1	US Treasury Note 4.25% Due 10/15/2025	1,050,000.00	Various 4.34%	1,047,398.44 1,048,496.68	99.81 4.36%	1,048,031.25 9,510.25	0.63% (465.43)	Aaa / AA+ AA+	1.79 1.69
91282CFW6	US Treasury Note 4.5% Due 11/15/2025	1,400,000.00	11/10/2022 4.27%	1,409,132.81 1,405,699.67	100.34 4.31%	1,404,702.60 8,134.62	0.84% (997.07)	Aaa / AA+ AA+	1.88 1.77
91282CGA3	US Treasury Note 4% Due 12/15/2025	500,000.00	12/29/2022 4.18%	497,578.13 498,394.41	99.46 4.29%	497,324.00 928.96	0.30% (1,070.41)	Aaa / AA+ AA+	1.96 1.86

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US TREASURY									
91282CGE5	US Treasury Note 3.875% Due 1/15/2026	1,600,000.00	01/20/2023 3.83%	1,601,812.50 1,601,241.10	99.24 4.27%	1,587,812.80 28,641.30	0.96% (13,428.30)	Aaa / AA+ AA+	2.04 1.91
91282CGE5	US Treasury Note 3.875% Due 1/15/2026	700,000.00	01/20/2023 3.83%	700,792.97 700,542.98	99.24 4.27%	694,668.10 12,530.57	0.42% (5,874.88)	Aaa / AA+ AA+	2.04 1.91
91282CGL9	US Treasury Note 4% Due 2/15/2026	1,000,000.00	02/08/2023 4.09%	997,460.94 998,202.27	99.54 4.23%	995,430.00 15,108.70	0.60% (2,772.27)	Aaa / AA+ AA+	2.13 1.99
91282CGL9	US Treasury Note 4% Due 2/15/2026	1,500,000.00	02/15/2023 4.34%	1,485,644.53 1,489,826.63	99.54 4.23%	1,493,145.00 22,663.04	0.90% 3,318.37	Aaa / AA+ AA+	2.13 1.99
91282CHB0	US Treasury Note 3.625% Due 5/15/2026	1,150,000.00	05/16/2023 3.71%	1,147,259.77 1,147,833.36	98.84 4.14%	1,136,657.70 5,382.73	0.68% (11,175.66)	Aaa / AA+ AA+	2.37 2.24
91282CJC6	US Treasury Note 4.625% Due 10/15/2026	1,700,000.00	10/30/2023 4.90%	1,687,382.81 1,688,107.13	101.48 4.05%	1,725,234.80 16,756.15	1.03% 37,127.67	Aaa / AA+ AA+	2.79 2.57
91282CJK8	US Treasury Note 4.625% Due 11/15/2026	275,000.00	11/29/2023 4.41%	276,589.84 276,542.78	101.58 4.04%	279,339.78 1,642.26	0.17% 2,797.00	Aaa / AA+ AA+	2.88 2.66
91282CEF4	US Treasury Note 2.5% Due 3/31/2027	1,400,000.00	02/15/2023 4.16%	1,312,718.75 1,331,231.20	95.57 3.96%	1,338,038.80 8,893.44	0.80% 6,807.60	Aaa / AA+ AA+	3.25 3.06
91282CEF4	US Treasury Note 2.5% Due 3/31/2027	900,000.00	02/15/2023 4.16%	843,890.63 855,791.49	95.57 3.96%	860,167.80 5,717.21	0.51% 4,376.31	Aaa / AA+ AA+	3.25 3.06
91282CEF4	US Treasury Note 2.5% Due 3/31/2027	1,000,000.00	10/04/2023 4.88%	924,531.25 929,748.26	95.57 3.96%	955,742.00 6,352.46	0.57% 25,993.74	Aaa / AA+ AA+	3.25 3.06
91282CET4	US Treasury Note 2.625% Due 5/31/2027	1,100,000.00	12/14/2023 4.00%	1,051,746.09 1,052,395.59	95.71 3.98%	1,052,819.90 2,524.59	0.63% 424.31	Aaa / AA+ AA+	3.42 3.21
91282CFU0	US Treasury Note 4.125% Due 10/31/2027	400,000.00	09/07/2023 4.52%	394,031.25 394,484.62	100.63 3.95%	402,515.60 2,810.44	0.24% 8,030.98	Aaa / AA+ AA+	3.84 3.49
91282CFU0	US Treasury Note 4.125% Due 10/31/2027	1,250,000.00	09/07/2023 4.52%	1,231,347.66 1,232,764.45	100.63 3.95%	1,257,861.25 8,782.62	0.75% 25,096.80	Aaa / AA+ AA+	3.84 3.49
91282CFZ9	US Treasury Note 3.875% Due 11/30/2027	1,650,000.00	12/05/2022 3.81%	1,655,156.25 1,654,048.51	99.79 3.93%	1,646,520.15 5,590.16	0.98% (7,528.36)	Aaa / AA+ AA+	3.92 3.59
91282CFZ9	US Treasury Note 3.875% Due 11/30/2027	670,000.00	12/06/2022 3.77%	673,245.31 672,552.31	99.79 3.93%	668,586.97 2,269.95	0.40% (3,965.34)	Aaa / AA+ AA+	3.92 3.59
91282CGC9	US Treasury Note 3.875% Due 12/31/2027	600,000.00	01/20/2023 3.56%	608,460.94 606,851.34	99.84 3.92%	599,015.40 63.87	0.36% (7,835.94)	Aaa / AA+ AA+	4.00 3.67

Holdings Report

As of December 31, 2023

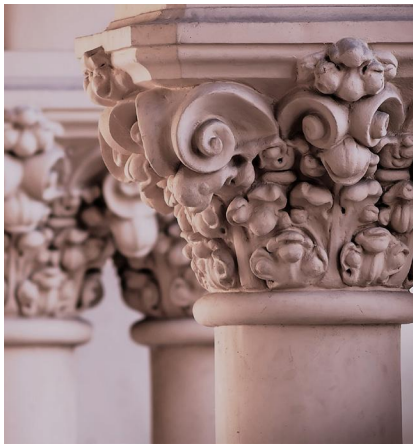
CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
US TREASURY									
91282CGC9	US Treasury Note 3.875% Due 12/31/2027	1,500,000.00	01/20/2023 3.56%	1,521,152.34 1,517,128.35	99.84 3.92%	1,497,538.50 159.68	0.89% (19,589.85)	Aaa / AA+ AA+	4.00 3.67
91282CGH8	US Treasury Note 3.5% Due 1/31/2028	1,700,000.00	05/18/2023 3.68%	1,686,785.16 1,688,511.18	98.42 3.92%	1,673,172.30 24,899.46	1.01% (15,338.88)	Aaa / AA+ AA+	4.09 3.71
91282CGP0	US Treasury Note 4% Due 2/29/2028	1,400,000.00	11/29/2023 4.26%	1,385,890.63 1,386,145.84	100.33 3.91%	1,404,593.40 18,923.08	0.84% 18,447.56	Aaa / AA+ AA+	4.17 3.76
91282CHA2	US Treasury Note 3.5% Due 4/30/2028	1,800,000.00	05/12/2023 3.44%	1,805,062.50 1,804,417.12	98.41 3.90%	1,771,383.60 10,730.77	1.06% (33,033.52)	Aaa / AA+ AA+	4.33 3.95
91282CHA2	US Treasury Note 3.5% Due 4/30/2028	600,000.00	05/12/2023 3.44%	601,687.50 601,472.37	98.41 3.90%	590,461.20 3,576.92	0.35% (11,011.17)	Aaa / AA+ AA+	4.33 3.95
91282CHX2	US Treasury Note 4.375% Due 8/31/2028	375,000.00	09/11/2023 4.40%	374,545.90 374,573.67	102.14 3.87%	383,027.25 5,543.87	0.23% 8,453.58	Aaa / AA+ AA+	4.67 4.14
91282CHX2	US Treasury Note 4.375% Due 8/31/2028	1,250,000.00	09/11/2023 4.40%	1,248,486.33 1,248,578.90	102.14 3.87%	1,276,757.50 18,479.57	0.77% 28,178.60	Aaa / AA+ AA+	4.67 4.14
91282CJN2	US Treasury Note 4.375% Due 11/30/2028	1,550,000.00	12/14/2023 3.86%	1,585,662.11 1,585,327.53	102.33 3.85%	1,586,085.55 5,928.96	0.94% 758.02	Aaa / AA+ AA+	4.92 4.38
Total US Treasury		**79,885,000.00**	**2.83%**	**79,507,856.51** **79,553,211.45**	**4.56%**	**78,696,627.45** **462,063.02**	**46.94%** **(856,584.00)**	**Aaa / AA+** **AA+**	**1.76** **1.64**
TOTAL PORTFOLIO		**170,503,967.81**	**2.56%**	**170,820,211.92** **170,272,699.82**	**4.73%**	**167,671,113.83** **973,233.77**	**100.00%** **(2,601,585.99)**	**Aa1 / AA** **AA**	**1.60** **1.45**
TOTAL MARKET VALUE PLUS ACCRUED						**168,644,347.60**			

CHANDLER ASSET MANAGEMENT

BOND MARKET REVIEW

A Monthly Review of Fixed Income Markets

DECEMBER 2023



Market Data

World Stock Market Indices
data as of 11/30/2023

	Change (10/31/2023)	%CHG
S&P 500		
4,567.80	374.00	8.92%
NASDAQ		
14,226.22	1,374.98	10.70%
DOW JONES		
35,950.89	2,898.02	8.77%
FTSE (UK)		
7,453.75	132.03	1.80%
DAX (Germany)		
16,215.43	1,405.09	9.49%
Hang Seng (Hong Kong)		
17,042.88	(69.60)	(0.41%)
Nikkei (Japan)		
33,486.89	2,628.04	8.52%

Source: Bloomberg. Please see descriptions of indices on Page 2.

CHANDLER ASSET MANAGEMENT

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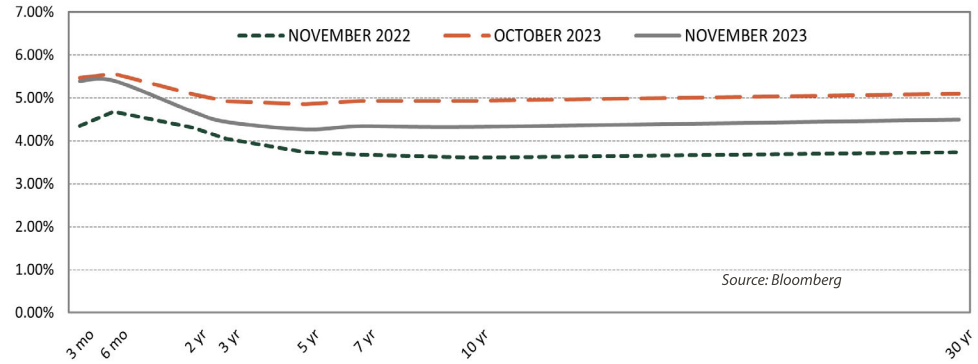
Market Summary

Recent economic data has shown above trend growth fueled by a rise in consumer spending and a continuing healthy US job market. Inflationary trends are subsiding, but core levels remain well above the Fed's 2% target. Given the cumulative effects of restrictive monetary policy and tighter financial conditions, we believe the economy will gradually soften and the Fed will remain data dependent as they tread cautiously going forward.

As expected at the November meeting, the Federal Open Market Committee voted unanimously to leave the Federal Funds rate unchanged at a target range of 5.25 - 5.50%. Market participants interpreted the FOMC statement as somewhat dovish, with the formal statement noting "tighter financial and credit conditions for households and businesses are likely to weigh on economic activity, hiring, and inflation." Federal Reserve Chair Jerome Powell also noted the stance of policy is restrictive, the full effects of the tightening have yet to be felt, and the process of getting inflation to 2% has a long way to go. We believe monetary policy will remain restrictive for longer, but further tightening will not be required for the Federal Reserve to eventually achieve their policy objectives.

US Treasury rates fell sharply across the yield curve in November due to decelerating inflation readings and a more dovish outlook from the Federal Reserve (Fed). In response, bond market participants began pricing in cuts to the federal funds rate by the Fed of 1.00-1.25% throughout 2024, as early as the second quarter of 2024, leading to lower interest rates. At the end of November, the 2-year Treasury yield declined by 41 basis points to 4.68%, and the 10-year Treasury yield decreased by 60 basis points to 4.33%. Recent market activity continues to highlight the complex interplay of fiscal and monetary policies, and investors may be overly optimistic in their pricing of both the level and timing of rate cuts by the Fed. Fed Chair Jerome Powell will have the opportunity to clarify the Fed's position on the future course of monetary policy at the meeting of the Federal Open Market Committee in December and potentially push back on market expectations when announcing its latest policy decision.

Treasury Yields Fell Across the Curve in October



At the end of November, the 2-year Treasury yield declined by 41 basis points to 4.68%, and the 10-year Treasury yield decreased by 60 basis points to 4.33%. The inversion between the 2-year Treasury yield and 10-year Treasury yield widened to -35 basis points at the end of November compared to -16 basis points at the end of October. The spread between the 2-year Treasury and 10-year Treasury yield one year ago was -71 basis points. The inversion between 3-month and 10-year Treasuries widened to -107 basis points in November from -54 basis points in October. The shape of the yield curve continues to indicate that the probability of a recession persists or potentially signals slower future economic growth.

TREASURY YIELDS	Trend (▲/▼)	11/30/2023	10/31/2023	Change
3-Month	▲	5.39	5.47	-0.08
2-Year	▲	4.68	5.09	-0.41
3-Year	▲	4.44	4.93	-0.48
5-Year	▲	4.27	4.86	-0.59
7-Year	▲	4.34	4.93	-0.59
10-Year	▲	4.33	4.93	-0.61
30-Year	▲	4.50	5.10	-0.60

Source: Bloomberg

BOND MARKET REVIEW

Since 1988, Chandler Asset Management has specialized in providing fixed income investment solutions to risk-averse public agencies and institutions. Chandler's mission is to provide fully customizable client-centered portfolio management that preserves principal, mitigates risk, and generates income in our clients' portfolios.

Credit Spreads Tightened in November

CREDIT SPREADS	Spread to Treasuries (%)	One Month Ago (%)	Change
3-month top rated commercial paper	5.53	5.62	(0.09)
2-year A corporate note	5.15	5.59	(0.44)
5-year A corporate note	4.98	5.64	(0.66)
5-year Agency note	4.43	4.94	(0.51)

Source: Bloomberg

Data as of 11/30/2023

Recent Inflation Data Ease

ECONOMIC INDICATOR	Current Release	Prior Release	One Year Ago
Trade Balance	(64.26) $Bln OCT 23	(58.66) $Bln SEP 23	(78.33) $Bln OCT 22
Gross Domestic Product	5.20% SEP 23	2.10% JUN 23	2.70% SEP 22
Unemployment Rate	3.70% NOV 23	3.80% OCT 23	3.60% NOV 22
Prime Rate	8.50% NOV 23	8.50% OCT 23	7.00% NOV 22
Refinitiv/CoreCommodity CRB Index	273.64 NOV 23	281.15 OCT 23	279.76 NOV 22
Oil (West Texas Int.)	$75.96 NOV 23	$81.02 OCT 23	$80.55 NOV 22
Consumer Price Index (y/o/y)	3.10% NOV 23	3.70% OCT 23	7.10% NOV 22
Producer Price Index (y/o/y)	(0.90%) NOV 23	2.10% OCT 23	10.50% NOV 22
Euro/Dollar	1.09 NOV 23	1.06 OCT 23	1.04 NOV 22

Source: Bloomberg

Economic Roundup

Consumer Prices

The Consumer Price Index (CPI) rose by +0.3% month-over-month and +3.1% year-over-year in November. This increase was driven by higher housing and service-sector costs. The Core CPI, excluding food and energy, also rose by +0.3% month-over-month and remained at +4.0% year-over-year, unchanged from the previous month. Rent, medical care, and motor-vehicle insurance costs increased, while used-car prices saw their first rise since May, offset by lower apparel and furniture costs. Shelter prices, a significant component of CPI, increased by +0.4%, offsetting declining gasoline prices. Conversely, core goods prices, excluding food and energy, fell for the sixth consecutive month. The Personal Consumption Expenditures (PCE) Index remained stable in October, with inflation unchanged month-over-month and a year-over-year increase of +3.0%, down from 3.4% in September. Core PCE, the Fed's preferred gauge, increased by +0.2% month-over-month and slowed to 3.5% year-over-year in October, compared to a +3.7% year-over-year increase in September. Inflation continues to exceed the Fed's 2% target.

Retail Sales

Retail Sales declined 0.1% in October after an upward revision to 0.9% in September, slightly exceeding the -0.3% consensus forecast. On a year-over-year basis, Retail Sales growth decelerated to 2.5% in October versus 4.1% in September. Food and beverage stores, along with health and personal care stores extended their gains in October while gasoline, furniture, car dealers and parts contributed to the month-over-month decline. E-commerce sales remain robust, rising 2.3% in the third quarter to represent 15.6% of total sales. The Conference Board's Consumer Confidence Index increased for the first time in four months in November, reaching an index level of 102.0, up from a downwardly revised 99.1 in October, despite concerns of rising prices and interest rates. While the consumer has been resilient, dwindling excess savings, rising credit card balances, and the resumption of student loan payments pose potential headwinds to future economic growth.

Labor Market

The U.S. economy added 199,000 jobs in November, exceeding consensus expectations of 185,000, with broad-based gains across industries. The trajectory of job creation is gradually moderating, with the three-month moving average payrolls at 204,000 and the six-month moving average at 186,000. The unemployment rate dropped to 3.7% from 3.9%, and the labor participation rate ticked up slightly to 62.8%. The U-6 underemployment rate, which includes those who are marginally attached to the labor force and employed part time for economic reasons fell to 7.0% from 7.2% last month. Average hourly earnings rose 4.0% year-over-year in November, consistent with the gradually decelerating trend this year. Employment remains strong by historical standards, but data are trending toward a less robust labor market outlook.

Housing Starts

Housing Starts decelerated month-over-month in October by 1.9% to an annual rate of 1.372 million units. Starts were up 4.9% for multi-family units and 0.2% for single-family. Total starts of new homes are down 4.2% year-over-year. According to Freddie Mac, average 30-year fixed rate mortgage rates declined to 6.80% as of December 7th, paralleling the 10-year US Treasury yields declining. According to the Case-Shiller 20-City Home Price Index, housing prices rose 3.9% year-over-year in September, improving from a 2.1% gain in August. Tight inventories and higher mortgage rates continue to impact affordability.

World Stock Market Index Descriptions

S&P 500– The S&P 500 is a market value-weighted index of 500 large-capitalization stocks. The 500 companies included in the index capture approximately 80% of available US market capitalization. NASDAQ–The NASDAQ Composite Index is the market capitalization-weighted index of over 3.300 common stocks listed on the NASDAQ stock exchange. Dow Jones–The Dow Jones Industrial Average is an index that tracks 30 large, publicly-owned companies trading on the New York Stock Exchange and the NASDAQ. The Financial Times Stock Exchange Group (FTSE)– The FTSE is a share index of the 100 companies listed on the London Stock Exchange with the highest market capitalization. DAX–The Deutscher Aktienindex (DAX) is a blue chip stock market index consisting of the 30 major German companies trading on the Frankfurt Stock Exchange. Hang Seng–The Hang Seng Index is a freefloat-adjusted market-capitalization-weighted stock market index in Hong Kong. It is used to record and monitor daily changes of the largest companies of the Hong Kong stock market and is the main indicator of overall market performance in Hong Kong. Nikkei–Japan's Nikkei 225 Stock Average is a price-weighted index composed of Japan's top 225 blue-chip companies traded on the Tokyo Stock Exchange.

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Data source: Bloomberg and the U.S. Department of Labor. This report is provided for informational purposes only and should not be construed as specific investment or legal advice. The information contained herein was obtained from sources believed to be reliable as of the date of publication, but may become outdated or superseded at any time without notice. Any opinions or views expressed are based on current market conditions and are subject to change. This report may contain forecasts and forward-looking statements which are inherently limited and should not be relied upon as an indicator of future results. Past performance is not indicative of future results. This report is not intended to constitute an offer, solicitation, recommendation or advice regarding any securities or investment strategy and should not be regarded by recipients as a substitute for the exercise of their own judgment. Fixed income investments are subject to interest, credit, and market risk. Interest rate risk: the value of fixed income investments will decline as interest rates rise. Credit risk: the possibility that the borrower may not be able to repay interest and principal. Low rated bonds generally have to pay higher interest rates to attract investors willing to take on greater risk. Market risk: the bond market in general could decline due to economic conditions, especially during periods of rising interest rates.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.5

DATE: February 5, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Comprehensive Check List with Delegated Check Approval Items for December 2023 - *Receive Report*

SUMMARY

Attached is a list of all checks and wire transfers written for the month of December 2023. Additional information is provided for checks over $50,000 and for delegated approval items.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

N/A

DISCUSSION

The attached report lists all checks and wire transfers which have been written during the month of December 2023. To provide the Board additional information, a description is included for all delegated approval item payments. Delegated approval items were authorized by the General Manager under his delegated approval authority and are marked “Delegated Approval”.

Items with delegated approval are generally items such as payroll taxes, Florida Retirement System, utilities, and so forth, which are approved by the board in the budget process but for which there is not a

specific approved contract or agenda item.

By policy, the General Manager is authorized to approve all expenditures of $100,000 or less. All contractual obligations or purchase orders issued in excess of $100,000 are approved by the Board through the contract approval, agenda approval, or budget approval processes. The comprehensive check list includes a description for all payments over $50,000 and identifies those items previously approved by the board with “Receive”.

Attachments (1)

DEC CHECK REGISTER

TAMPA BAY WATER

CHECK REGISTER - DEC 2023

CHECK#	CHECK DATE	VENDOR NAME	CHECK AMOUNT	DESCRIPTION	APPROVE/RECEIVE
WIRE	**12/01/2023**	**INTERNAL REVENUE SERVICE**	**146,134.25**	**FEDERAL PAYROLL TAX DEPOSIT**	**RECEIVE**
WIRE	**12/05/2023**	**FLORIDA DIV OF RETIREMENT CASHIER**	**321,247.33**	**FEDERAL PAYROLL TAX DEPOSIT**	**DELEGATED APPROVAL**
631267	12/07/2023	AIR MECHANICAL & SERVICE CORP.	955.50		
631268	12/07/2023	AIRGAS USA, LLC	7,427.75		
631269	12/07/2023	ALLIED UNIVERSAL CORPORATION	107,386.33	CHEMICAL - SODIUM HYDROXIDE	RECEIVE
631270	12/07/2023	ALLIED UNIVERSAL CORPORATION	19,110.49		
631271	12/07/2023	FINGER LAKES BUSINESS SERVICES, INC.	72.00		
631272	12/07/2023	APPLIED ECOLOGY, INC	16,187.33		
631273	12/07/2023	ARDURRA GROUP, INC	62,223.26	CLW ADMIN BLG PARKING LOT EXPANSION PROJ	RECEIVE
631274	12/07/2023	BLACK & VEATCH CORPORATION	61,715.00	I[PM WORK ASSIGNMENT #3 AMENDMENT #1 PROJ	RECEIVE
631275	12/07/2023	ZACKARY BROWN	325.00		
631276	12/07/2023	CALADESI CONSTRUCTION CO.	54,378.42	CLW BOARD ROM WALL CONSTRUCTION	RECEIVE
631277	12/07/2023	CARMEUSE LIME & STONE, INC.	11,442.16		
631278	12/07/2023	CINTAS CORPORATION	302.53		
631279	**12/07/2023**	**CITY OF CLEARWATER UTILITIES**	**2,588.13**	**UTILITY PAYMENT**	**DELEGATED APPROVAL**
631280	12/07/2023	DEWBERRY ENGINEERS, INC	8,025.28		
631281	12/07/2023	DIGITAL ASSURANCE CERTIFICATION, LLC	2,500.00		
631282	**12/07/2023**	**DUKE ENERGY CORPORATION**	**73,209.13**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
631283	12/07/2023	ELECTRICAL ENGINEERING ENTERPRISES INC	25,691.24		
631284	12/07/2023	ENVIRONMENTAL SCIENCE ASSOCIATES CORPORATION	1,000.00		
631285	12/07/2023	FEDERAL EXPRESS CORPORATION	119.29		
631286	12/07/2023	FISHER SCIENTIFIC COMPANY LLC	139.21		
631287	**12/07/2023**	**FRONTIER COMMUNICATIONS**	**269.15**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
631288	**12/07/2023**	**FRONTIER COMMUNICATIONS**	**120.98**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
631289	12/07/2023	GEOSYNTEC CONSULTANTS, INC.	41,800.75		
631290	12/07/2023	JEFF GEURINK	168.69		
631291	12/07/2023	GHD SERVICES, INC.	2,205.00		
631292	12/07/2023	GRAYBAR ELECTRIC COMPANY INC	10,655.68		
631293	12/07/2023	GREENMAN-PEDERSEN, INC.	2,210.11		
631294	12/07/2023	KENNETH GREGORY	125.00		
631295	12/07/2023	GSI ENVIRONMENTAL, INC.	3,412.50		
631296	12/07/2023	HACH COMPANY	11,584.90		
631297	12/07/2023	JAM 520 CONSTRUCTION LLC	24,424.83		
631298	12/07/2023	KAT CONSTRUCTION & MATERIALS, INC.	42,512.50		
631299	12/07/2023	NORTHERN SAFETY COMPANY INC	158.88		
631300	12/07/2023	OFFICE DEPOT	524.17		
631301	12/07/2023	ILIA PETROV	241.50		
631302	12/07/2023	PRITCHETT STEINBECK GROUP, INC.	7,264.32		

TAMPA BAY WATER

CHECK REGISTER - DEC 2023

CHECK#	CHECK DATE	VENDOR NAME	CHECK AMOUNT	DESCRIPTION	APPROVE/RECEIVE
631303	12/07/2023	RADIO ONE, INC.	57,613.94	DAS INSTALLATION AT CYP CRK	RECEIVE
631304	12/07/2023	RANDALL ENVIRONMENTAL, INC.	321,271.50	ELDRIDGE WILDE MOTOR & PUMPS REPLACEMENT PROJ	RECEIVE
631305	12/07/2023	REXEL USA, INC.	4,700.88		
631306	12/07/2023	RING POWER CORPORATION	937.86		
631307	12/07/2023	TOMAS RIO	125.00		
631308	12/07/2023	KIM ROBINSON	327.50		
631309	12/07/2023	STANTEC CONSULTING SERVICES, INC.	16,825.00		
631310	12/07/2023	VEOLIA WTS ANALYTICAL INSTRUMENTS, INC	0.00		
631311	**12/07/2023**	**TAMPA ELECTRIC CO**	**864,615.87**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
631312	**12/07/2023**	**TAMPA ELECTRIC CO**	**3,609.39**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
631313	12/07/2023	THATCHER CHEMICAL OF FLORIDA INC.	51,845.85	CHEMICAL - FERRIC SULFATE	RECEIVE
631314	12/07/2023	NICOLE THOMAS	1,184.50		
631315	12/07/2023	DEVON THOMPSON	257.69		
631316	12/07/2023	UNITED PARCEL SERVICE	493.95		
631317	**12/07/2023**	**VERIZON WIRELESS COMMUNICATIONS LLC**	**2,735.56**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
631318	**12/07/2023**	**VERIZON WIRELESS COMMUNICATIONS LLC**	**2,920.81**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
631319	**12/07/2023**	**VERIZON WIRELESS COMMUNICATIONS LLC**	**10.80**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
631320	12/07/2023	VITAL RECORDS HOLDINGS, LLC	1,172.77		
631321	**12/07/2023**	**WITHLACOOCHEE RIVER ELECTRIC**	**72,295.50**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
631322	12/07/2023	XTREMELY CLEAN JANITORIAL SERVICES, LLC.	35,197.02		
631323	12/14/2023	A.C. SCHULTES OF FLORIDA, INC.	44,057.00		
631324	12/14/2023	AIR MECHANICAL & SERVICE CORP.	19,487.28		
631325	12/14/2023	AIRGAS USA, LLC	71,691.04	CHEMICAL - CARBON DIOXIDE	RECEIVE
631326	12/14/2023	AIRGAS SPECIALTY PRODUCTS, INC.	24,634.86		
631327	12/14/2023	UNIVERSAL PROTECTION SERVICE LP	149,952.90	SECURITY SRV 10/27-11/30/23	RECEIVE
631328	12/14/2023	ALLIED UNIVERSAL CORPORATION	98,091.38	CHEMICAL - SODIUM HYDROXIDE	RECEIVE
631329	12/14/2023	J.C. EHRLICH CO.	233.39		
631330	12/14/2023	AMERICAN EXPRESS TRAVEL RELATED SERVICES CO INC	126.74		
631331	12/14/2023	APPLIED ECOLOGY, INC	8,060.99		
631332	12/14/2023	BAYVIEW PUBLIC RELATIONS INC.	134.00		
631333	12/14/2023	CATALYST COMMUNICATIONS GROUP LLC	8,350.00		
631334	12/14/2023	CHANDLER ASSET MANAGEMENT, INC.	5,795.02		
631335	12/14/2023	CITY OF CLEARWATER POLICE DEPT	260.00		
631336	12/14/2023	CLEAR CHANNEL OUTDOOR	13,050.00		
631337	12/14/2023	CONN & BUENAVENTURA, P.A.	18,162.47		
631338	12/14/2023	DG INVESTMENT INTERMEDIATE HOLDINGS 2, INC.	51,111.95	SAFETY SRV- REGIONAL FACILTIY CAMERA UPGRADE	RECEIVE
631339	12/14/2023	DIALOGUE PUBLIC RELATIONS, LLC	17,800.00		
631340	**12/14/2023**	**DUKE ENERGY CORPORATION**	**26,159.25**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
631341	12/14/2023	ECHOSAT, INC.	45.00		

TAMPA BAY WATER

CHECK REGISTER - DEC 2023

CHECK#	CHECK DATE	VENDOR NAME	CHECK AMOUNT	DESCRIPTION	APPROVE/RECEIVE
631342	12/14/2023	ENVIRONMENTAL SCIENCE ASSOCIATES CORPORATION	13,334.13		
631343	12/14/2023	EYEMED VISION CARE	1,277.66		
631344	12/14/2023	FEDERAL EXPRESS CORPORATION	78.32		
631345	12/14/2023	FISHER SCIENTIFIC COMPANY LLC	2,195.60		
631346	12/14/2023	FL DEPT OF ENVIRONMENTAL PROTECTION	9,200.00		
631347	12/14/2023	FL DEPT OF ENVIRONMENTAL PROTECTION	5,800.00		
631348	12/14/2023	WESLEY S. LIVERNOIS	17,956.50		
631349	12/14/2023	GHD SERVICES, INC.	7,415.00		
631350	12/14/2023	SAVANNAH GIBBS	75.00		
631351	12/14/2023	GINGER MILLS	1,625.00		
631352	12/14/2023	HAYS HOLDING CORPORATION	25,334.46		
631353	12/14/2023	HAZEN & SAWYER, P.C.	16,417.88		
631354	**12/14/2023**	**HILLSBOROUGH COUNTY**	**130.00**	**UTILITY PAYMENT**	**DELEGATED APPROVAL**
631355	**12/14/2023**	**HILLSBOROUGH COUNTY**	**106.01**	**UTILITY PAYMENT**	**DELEGATED APPROVAL**
631356	12/14/2023	JAM 520 CONSTRUCTION LLC	21,061.63		
631357	12/14/2023	LHOIST NORTH AMERICA OF ALABAMA, LLC	8,675.41		
631358	12/14/2023	MATHESON TRI-GAS INC.	23,766.87		
631359	12/14/2023	MGT OF AMERICA CONSULTING, LLC	600.00		
631360	**12/14/2023**	**MICHIGAN STATE DISBURSEMENT UNIT**	**368.51**	**CHILD SUPPORT**	**DELEGATED APPROVAL**
631361	12/14/2023	PASCO COUNTY SCHOOL SCHOOL DISTRICT	22,200.00		
631362	12/14/2023	PERISCOPE INTERMEDIATE CORP.	28,186.30		
631363	12/14/2023	PIPER FIRE PROTECTION, INC.	3,655.01		
631364	12/14/2023	PRITCHETT STEINBECK GROUP, INC.	7,217.01		
631365	12/14/2023	REGIONS BANK	90.00		
631366	12/14/2023	RICOH USA, INC.	660.06		
631367	12/14/2023	ROBERTS PRINTING INC.	360.00		
631368	12/14/2023	SHI INTERNATIONAL CORP	32,376.69		
631369	12/14/2023	SOUTHEAST DRILLING SERVICES INC	4,200.00		
631370	**12/14/2023**	**STATE OF FLORIDA DISBURSEMENT UNIT**	**466.79**	**CHILD SUPPORT**	**DELEGATED APPROVAL**
631371	12/14/2023	VEOLIA WTS ANALYTICAL INSTRUMENTS, INC	5,034.00		
631372	12/14/2023	SULPHURIC ACID TRADING CO. INC	60,430.10	CHEMICAL - SRULFURIC ACID	RECEIVE
631373	**12/14/2023**	**TAMPA ELECTRIC CO**	**87,753.24**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
631374	12/14/2023	THATCHER CHEMICAL OF FLORIDA INC.	85,534.05	CHEMICAL - FERRIC SULFATE	RECEIVE
631375	12/14/2023	TUCKER ENTERPRISE SERVICES, INC.	4,200.00		
631376	12/14/2023	UNIFIRST CORPORATION	648.08		
631377	12/14/2023	US WATER-ACCIONA SEAWATER DESLINATION PARTNERS	12,537.75		
631378	12/14/2023	V&A CONSULTING ENGINEERING, INC.	19,329.50		
631379	12/14/2023	VEOLIA WATER NORTH AMERICA	1,141,101.78	ANNUAL SETTLEMENT/TRUE UP, SWTP EXPAN PRJ & O&M - OCT	RECEIVE
631380	**12/14/2023**	**VERIZON FLORIDA INC**	**38,365.91**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**

TAMPA BAY WATER

CHECK REGISTER - DEC 2023

CHECK#	CHECK DATE	VENDOR NAME	CHECK AMOUNT	DESCRIPTION	APPROVE/RECEIVE
631381	**12/14/2023**	**VERIZON WIRELESS COMMUNICATIONS LLC**	**8,428.08**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
631382	**12/14/2023**	**VERIZON WIRELESS COMMUNICATIONS LLC**	**3,090.44**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
631383	**12/14/2023**	**VERIZON WIRELESS COMMUNICATIONS LLC**	**11,506.52**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
631384	12/14/2023	W W GRAINGER INC	1,466.44		
631385	12/14/2023	WASTE MANAGEMENT INC. OF FLORIDA	1,026.90		
631386	12/14/2023	WASTE MANAGEMENT INC. OF FLORIDA	2,119.04		
631387	**12/14/2023**	**WITHLACOOCHEE RIVER ELECTRIC**	**37,965.78**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
631388	12/14/2023	WRIGHT EXPRESS CORPORATION	10,050.40		
WIRE	**12/15/2023**	**INTERNAL REVENUE SERVICE**	**137,340.19**	**FEDERAL PAYROLL TAX DEPOSIT**	**RECEIVE**
WIRE	**12/15/2023**	**INTERNAL REVENUE SERVICE**	**28,215.98**	**FEDERAL PAYROLL TAX DEPOSIT**	**RECEIVE**
631389	12/21/2023	AMERICAN FAMILY LIFE ASSURANCE COMPANY OF COLUME	1,378.80		
631390	12/21/2023	AIR MECHANICAL & SERVICE CORP.	2,608.10		
631391	12/21/2023	AIRGAS USA, LLC	7,709.20		
631392	12/21/2023	AIRGAS SOUTH, INC.	435.79		
631393	12/21/2023	AIRGAS SPECIALTY PRODUCTS, INC.	3,117.46		
631394	12/21/2023	ALLIED UNIVERSAL CORPORATION	123,087.81	CHEMICAL - SODIUM HYDROXIDE	RECEIVE
631395	12/21/2023	ALLIED UNIVERSAL CORPORATION	117,194.61	CHEMICAL - SODIUM HYDROXIDE	RECEIVE
631396	12/21/2023	ALLIED UNIVERSAL CORPORATION	65,673.44	CHEMICAL - SODIUM HYDROXIDE	RECEIVE
631397	12/21/2023	ALLIED UNIVERSAL CORPORATION	46,973.07		
631398	12/21/2023	AMERICAN WATER ACCIONA AGUA LLC	96,451.33	DESAL O&M ANNUAL 2023 SETTLEMENT	RECEIVE
631399	12/21/2023	ARCHER WESTERN CONSTRUCTION LLC	716,062.50	DESAL INTAKE CONNECTION IMPROVEMENT PROJ	RECEIVE
631400	**12/21/2023**	**AT&T MOBILITY II, LLC**	**72.48**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
631401	12/21/2023	CHEMICAL SYSTEMS OF ORLANDO, INC.	22,074.00		
631402	12/21/2023	INTERNATIONAL CHEMTEX CORPORATION	900.00		
631403	12/21/2023	DEAN, MEAD, EGERTON, BLOODWORTH, CAPOUANO, &	0.00		
631404	12/21/2023	ECOHYDROLOGIX LLC	2,052.50		
631405	12/21/2023	EDDIE VISION INC.	800.00		
631406	12/21/2023	ELECTRICAL ENGINEERING ENTERPRISES INC	1,940.00		
631407	12/21/2023	ENVIRONMENTAL SCIENCE ASSOCIATES CORPORATION	62,873.08	SOURCE WATER IMPLEMENTATION OF HBMP	RECEIVE
631408	12/21/2023	FEDERAL EXPRESS CORPORATION	94.36		
631409	12/21/2023	FISHER SCIENTIFIC COMPANY LLC	894.41		
631410	12/21/2023	FLATWOODS CONSULTING GROUP, INC.	2,825.00		
631411	12/21/2023	FLORIDA DEPT OF MANAGEMENT SERVICES	21,546.51		
631412	**12/21/2023**	**FRONTIER COMMUNICATIONS**	**155.80**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
631413	**12/21/2023**	**FRONTIER COMMUNICATIONS**	**140.98**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
631414	**12/21/2023**	**FRONTIER COMMUNICATIONS**	**125.98**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
631415	12/21/2023	FS/AWWA	2,850.00		
631416	12/21/2023	GEOPOINT SURVEYING, INC.	15,822.08		
631417	12/21/2023	GEOSYNTEC CONSULTANTS, INC.	578.25		

TAMPA BAY WATER

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CHECK#	CHECK DATE	VENDOR NAME	CHECK AMOUNT	DESCRIPTION	APPROVE/RECEIVE
631418	12/21/2023	JEFF GEURINK	341.00		
631419	12/21/2023	SAVANNAH GIBBS	51.20		
631420	12/21/2023	GEOGRAPHIC INFORMATION SERVICES, INC.	15,051.58		
631421	12/21/2023	GSI ENVIRONMENTAL, INC.	2,911.64		
631422	12/21/2023	HACH COMPANY	14,096.14		
631423	12/21/2023	BILLY HAVEE	25.00		
631424	12/21/2023	HAWKINS, INC.	3,239.85		
631425	12/21/2023	HAYS HOLDING CORPORATION	9,022.91		
631426	**12/21/2023**	**HILLSBOROUGH COUNTY**	**73.73**	**UTILITY PAYMENT**	**DELEGATED APPROVAL**
631427	**12/21/2023**	**HILLSBOROUGH COUNTY**	**17.73**	**UTILITY PAYMENT**	**DELEGATED APPROVAL**
631428	12/21/2023	ARROW EXTERMINATORS	77.00		
631429	12/21/2023	ARROW EXTERMINATORS	195.00		
631430	12/21/2023	JAM 520 CONSTRUCTION LLC	21,061.63		
631431	12/21/2023	KAT CONSTRUCTION & MATERIALS, INC.	48,165.00		
631432	12/21/2023	MATHESON TRI-GAS INC.	9,244.89		
631433	12/21/2023	MILLER BUILDING & REPAIR SERVICES, INC.	4,078.00		
631434	12/21/2023	MUTUAL OF OMAHA COMPANY	18,687.31		
631435	12/21/2023	NETWRIX CORPORATION	2,331.00		
631436	12/21/2023	ODYSSEY MANUFACTURING COMPANY	11,896.20		
631437	12/21/2023	OHLIN SALES INC.	180.27		
631438	12/21/2023	PCL CONSTRUCTION, INC.	63,102.80	BRANDON BOOSTER STA GMP 6 CONSTRUCTION	RECEIVE
631439	12/21/2023	PRITCHETT STEINBECK GROUP, INC.	59,674.34	CYP CRK, CROSS BAR WELLFIELD MONITORING	RECEIVE
631440	12/21/2023	RANDALL ENVIRONMENTAL, INC.	77,215.84	ELDRIDGE WILDE WF IMPROVEMENTS PROJ	RECEIVE
631441	12/21/2023	RICK RICHARDS, INC.	88,650.00	GROUNDS MAINTENANCE	RECEIVE
631442	12/21/2023	RICOH USA, INC.	2,890.80		
631443	12/21/2023	RING POWER CORPORATION	14,009.26		
631444	12/21/2023	RS AMERICAS, INC	4,010.24		
631445	12/21/2023	SMITH INDUSTRIES INC	3,536.00		
631446	12/21/2023	SULPHURIC ACID TRADING CO. INC	99,486.33	CHEMICAL - SULFURIC ACID	RECEIVE
631447	12/21/2023	SUNSHINE STATE ONE CALL OF FLORIDA INC	936.38		
631448	**12/21/2023**	**CITY OF TAMPA OFFICES**	**18.75**	**UTILITY PAYMENT**	**DELEGATED APPROVAL**
631449	**12/21/2023**	**TAMPA ELECTRIC CO**	**25,294.38**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
631450	12/21/2023	MAINZER MANAGEMENT INC	6,968.00		
631451	12/21/2023	THATCHER CHEMICAL OF FLORIDA INC.	108,334.14	CHEMICAL - FERRIC SULFATE	RECEIVE
631452	12/21/2023	THATCHER CHEMICAL OF FLORIDA INC.	104,250.80	CHEMICAL - FERRIC SULFATE	RECEIVE
631453	12/21/2023	THATCHER CHEMICAL OF FLORIDA INC.	13,720.71		
631454	12/21/2023	SYLINT GROUP INC	14,592.00		
631455	12/21/2023	TRINOVA INC.	585.40		
631456	12/21/2023	UNIVERSITY OF CENTRAL FLORIDA	8,947.00		

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CHECK#	CHECK DATE	VENDOR NAME	CHECK AMOUNT	DESCRIPTION	APPROVE/RECEIVE
631457	12/21/2023	US WATER-ACCIONA SEAWATER DESLINATION PARTNERS	637,365.29	DESAL NOVEMBER O&M	RECEIVE
631458	12/21/2023	V&A CONSULTING ENGINEERING, INC.	1,135.00		
631459	12/21/2023	NATIONAL EC SERVICES, INC.	26,882.24		
631460	12/21/2023	VITAL RECORDS HOLDINGS, LLC	192.66		
631461	12/21/2023	W W GRAINGER INC	153.60		
631462	12/21/2023	WATER & AIR RESEARCH, INC.	2,315.00		
631463	**12/21/2023**	**WITHLACOOCHEE RIVER ELECTRIC**	**2,658.15**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
WIRE	**12/21/2023**	**BOOKY OREN GLOBAL WATER TECH**	**12,464.00**		
631464	12/21/2023	WSP USA INC	1,865.00		
631465	12/28/2023	ACLARIAN LLC	2,755.00		
631466	12/28/2023	AIR MECHANICAL & SERVICE CORP.	1,458.99		
631467	12/28/2023	AIRGAS USA, LLC	111,409.05	CHEMICAL - CARBON DIOXIDE	RECEIVE
631468	12/28/2023	AIRGAS USA, LLC	29,195.48		
631469	12/28/2023	AIRGAS SPECIALTY PRODUCTS, INC.	20,038.78		
631470	12/28/2023	ALLIED UNIVERSAL CORPORATION	121,374.58	CHEMICAL - SODIUM HYDROXIDE	RECEIVE
631471	12/28/2023	ALLIED UNIVERSAL CORPORATION	69,628.45	CHEMICAL - SODIUM HYDROXIDE	RECEIVE
631472	12/28/2023	ALLIED UNIVERSAL CORPORATION	0.00		
631473	12/28/2023	ARROYO PROCESS EQUIPMENT INC	1,513.42		
631474	12/28/2023	BLACK & VEATCH CORPORATION	59,760.01	INTEGRATED PROG MGMT PRJ ASSIGNMENT 11	RECEIVE
631475	**12/28/2023**	**BRIGHT HOUSE NETWORKS LLC**	**1,095.84**	**UTILITIES - INTERNET**	**DELEGATED APPROVAL**
631476	12/28/2023	BUSH GRAZIANO RICE & PLATTER, P.A.	742.50		
631477	12/28/2023	CARMEUSE LIME & STONE, INC.	117,733.26	CHEMICAL - QUICKLIME	RECEIVE
631478	12/28/2023	CARMEUSE LIME & STONE, INC.	11,063.53		
631479	12/28/2023	CARMEUSE LIME & STONE, INC.	10,706.64		
631480	12/28/2023	CHEMICAL SYSTEMS OF ORLANDO, INC.	710.00		
631481	12/28/2023	DILLARD CATTLE COMPANY	8,641.86		
631482	**12/28/2023**	**DUKE ENERGY CORPORATION**	**12,617.68**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
631483	12/28/2023	EDDIE'S PAINT AND BODY	6,595.95		
631484	12/28/2023	ELECTRIC GAS INDUSTRIES ASSOCIATION	85,443.58	DEMAND MGMT SUPPORT	RECEIVE
631485	12/28/2023	ELECTRICAL ENGINEERING ENTERPRISES INC	4,650.00		
631486	12/28/2023	ENVIRONMENTAL SCIENCE ASSOCIATES CORPORATION	5,007.24		
631487	12/28/2023	FIVE12 PAINTING & REMODELING LLC	42,285.00		
631488	12/28/2023	GOVCONNECTIONS, INC.	22,828.47		
631489	12/28/2023	GRAY ROBINSON, P.A.	440.00		
631490	12/28/2023	HACH COMPANY	58.17		
631491	12/28/2023	HAWKINS, INC.	1,795.45		
631492	12/28/2023	HAYS HOLDING CORPORATION	8,637.94		
631493	12/28/2023	HERC RENTALS, INC.	1,720.00		
631494	12/28/2023	TENCARVA MACHINERY COMPANY	4,866.00		

TAMPA BAY WATER

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CHECK#	CHECK DATE	VENDOR NAME	CHECK AMOUNT	DESCRIPTION	APPROVE/RECEIVE
631495	12/28/2023	INFOARMOR, INC.	304.95		
631496	12/28/2023	KONECRANES INC	4,207.84		
631497	12/28/2023	MATHESON TRI-GAS INC.	38,359.02		
631498	12/28/2023	MATHESON TRI-GAS INC.	6,205.51		
631499	**12/28/2023**	**MICHIGAN STATE DISBURSEMENT UNIT**	**368.51**	**CHILD SUPPORT**	**DELEGATED APPROVAL**
631500	12/28/2023	NABORS, GIBLIN, & NICKERSON P.A.	1,635.00		
631501	12/28/2023	ODYSSEY MANUFACTURING COMPANY	96,628.95	CHEMICAL - SODIUM HYPOCHLORITE	RECEIVE
631502	12/28/2023	ODYSSEY MANUFACTURING COMPANY	93,456.45	CHEMICAL - SODIUM HYPOCHLORITE	RECEIVE
631503	12/28/2023	ODYSSEY MANUFACTURING COMPANY	70,973.55	CHEMICAL - SODIUM HYPOCHLORITE	RECEIVE
631504	12/28/2023	PCL CONSTRUCTION, INC.	138,984.40	BRANDON BOOSTER STATION GMP 6 CONSTUCTION PRJ	RECEIVE
631505	12/28/2023	POLYDYNE INC	76,230.00	CHEMICAL - COAGULATION Aid & RESIDUALS POLYMER	RECEIVE
631506	12/28/2023	PRITCHETT STEINBECK GROUP, INC.	3,994.06		
631507	12/28/2023	RING POWER CORPORATION	10,564.37		
631508	12/28/2023	RING POWER CORPORATION	2,471.70		
631509	12/28/2023	ALBERT E ROLLER	4,775.00		
631510	12/28/2023	SAFE SOFTWARE	670.00		
631511	12/28/2023	SHI INTERNATIONAL CORP	8,123.16		
631512	**12/28/2023**	**STATE OF FLORIDA DISBURSEMENT UNIT**	**466.79**	**CHILD SUPPORT**	**DELEGATED APPROVAL**
631513	**12/28/2023**	**TAMPA ELECTRIC CO**	**92,465.59**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
631514	**12/28/2023**	**TAMPA ELECTRIC CO**	**999.73**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
631515	12/28/2023	TEAM TECHNICAL SERVICES	1,653.64		
631516	12/28/2023	TEXTRON SPECIALIZED VEHICLES INC	18,666.00		
631517	12/28/2023	THATCHER CHEMICAL OF FLORIDA INC.	81,379.20	CHEMICAL - FERRIC SULFATE	RECEIVE
631518	12/28/2023	THYSSENKRUPP ELEVATOR	678.75		
631519	12/28/2023	TIMES PUBLISHING CO	574.00		
631520	12/28/2023	TUCKER ENTERPRISE SERVICES, INC.	4,725.00		
631521	12/28/2023	UNITED PARCEL SERVICE	152.49		
WIRE	**12/29/2023**	**INTERNAL REVENUE SERVICE**	**135,234.99**	**FEDERAL PAYROLL TAX DEPOSIT**	**RECEIVE**
261 CHECKS			9,534,337.52		

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.6

DATE: February 5, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Disposition of Fixed Assets through December 2023 - *Receive Report*

SUMMARY

Attached is a list of fixed assets and minor equipment removed from service and approved by the General Manager for disposal in accordance with agency policy.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

N/A

DISCUSSION

Reasons for disposal of the equipment:

- The miscellaneous surplus computer equipment was obsolete and replaced with newer units.
- The vehicle disposed no longer met agency needs and was replaced with a newer unit in accordance with agency policy.
- The New Holland Skid Steer was no longer cost-efficient to maintain and no longer needed by the agency
- The Caterpillar generator set was no longer cost-efficient to maintain and has been replaced with a newer unit

- The Cisco IP phones were no longer needed due to converting to Microsoft Teams for our agency's phone needs
- The Canon scanner/plotter was no longer needed by the agency and was surplus
- The Palo Alto firewall was no longer in full-operational condition and was replaced with a newer unit

Attachments (1)

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TAMPA BAY WATER
SURPLUS ITEMS APPROVED FOR DISPOSITION BY THE GENERAL MANAGER
UNDER DELEGATION OF AUTHORITY FROM THE BOARD PER POLICY 650-08
MONTH OF DECEMBER 2023

ASSET#	ASSET DESCRIPTION	SERIAL NUMBER	ACQ DATE	ACQ COST	ACCUM DEPR	BOOK VALUE	CLASS	ASSET TYPE
4797	SKID STEER,NEW HOLLAND	819854	09/24/92	13,699.00	13,699.00	-	16	TOOLS/MAINT EQUIP.
9417	GENERATOR,CATERPILLAR 300KW/TRAILER	TCBX00851-6C	09/22/05	79,961.13	72,298.11	7,663.02	16	TOOLS/MAINT EQUIP.
10880	2011 CHEV SILVERADO 4X4(#141)	1GC2KXCG5BZ410859	07/25/11	32,480.50	32,480.50	-	07	VEHICLES
11144	SCANNER/PLOTTER, CANON 825MFP	AADH1145/DN208288	03/07/13	10,495.00	10,495.00	-	11	COMPUTER EQUIP
11669	FIREWALL, PALO ALTO PA-3020 SECURITY	1801030296	02/04/16	34,649.82	34,649.82	-	11	COMPUTER EQUIP
na	(135) CISCO IP PHONES	-	-	-	-	-		#N/A
na	MISC SURPLUS COMPUTER EQUIPT	-	-	-	-	-		#N/A
	Total			-	-	7,663.02		

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.7

DATE: February 1, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Vendor's Status Report for December 2023 - *Receive Report*

SUMMARY

The attached is a status report of As-Needed Professional Service Contractors and Vendors utilized by Tampa Bay Water through December 2023.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

N/A

DISCUSSION

Attached is a summary of the as-needed contracted services being utilized by the agency through December 2023. This report shows total contract values, cumulative purchase orders issued against the contracts, and actual expenditures made under the contracts.

Attachment (1)

December 2023

Contract Summary

Monthly Status Report of Vendors

December 1, 2023 thru December 31, 2023

Vendor Name and Contract Dates	Contract Amount Authorized	Current Period PO Amount Issued	Previous PO Amount Issued	Total PO Issued To Date	Total Expended To Date	Outstanding PO Balance
A. J. LANDSCAPING LLC 04/20/20 thru 05/01/22 2020041	$365,652.95		$450,974.63	$450,974.63	$242,493.17	$208,481.46
A.C. SCHULTES OF FLORIDA, INC. 08/19/19 thru 09/30/22 2019053	$800,000.00		$700,000.00	$700,000.00	$436,180.00	$263,820.00
A.C. SCHULTES OF FLORIDA, INC. 08/19/19 thru 09/30/22 2019055	$1,306,290.00		$1,185,710.00	$1,185,710.00	$945,259.00	$240,451.00
ACLARIAN LLC 10/20/22 thru 05/25/25 2023702	$80,000.00		$80,000.00	$80,000.00	$42,960.60	$37,039.40
ADVANCED ENVIRONMENTAL LABORATORIES, 03/21/22 thru 02/28/23 2022036	$100,000.00		$115,000.00	$115,000.00	$80,330.10	$34,669.90
ADVANCED ROOFING, INC. 11/22/23 thru 11/30/24 2024012	$600,000.00		$0.00	$0.00	$0.00	$0.00
AECOM TECHNICAL SERVICES, INC. 09/20/21 thru 09/01/26 2021038	$2,000,000.99		$525,297.00	$525,297.00	$30,566.00	$494,731.00
AGILENT TECHNOLOGIES, INC. 01/14/21 thru 01/14/24 2021902	$39,000.00		$17,142.48	$17,142.48	$17,142.48	$0.00
AIR MECHANICAL & SERVICE CORP. 10/01/22 thru 02/02/23 2023701	$1,067,000.00		$945,048.65	$945,048.65	$463,505.45	$481,543.20
AIRGAS SPECIALTY PRODUCTS, INC. 01/01/23 thru 12/31/23 2023016V	$1,353,259.00		$1,008,362.00	$1,008,362.00	$654,026.42	$354,335.58
AIRGAS USA, LLC 12/13/21 thru 09/30/22 2022012	$7,810,416.00		$3,855,028.00	$3,855,028.00	$3,155,227.35	$699,800.65
AJAX PAVING INDUSTRIES OF FLORIDA LLC 10/18/21 thru 09/02/23 2022701	$800,000.00		$136,263.00	$136,263.00	$136,263.00	$0.00
ALAN PLUMMER AND ASSOCIATES, INC. 05/09/22 thru 09/01/26 2021036V	$2,001,205.65		$189,376.00	$189,376.00	$124,416.73	$64,959.27
ALLIED UNIVERSAL CORPORATION 01/01/20 thru 09/30/20 2020024	$30,890,669.84		$13,843,329.00	$13,843,329.00	$10,524,187.39	$3,319,141.61

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ALLIED UNIVERSAL CORPORATION 10/01/23 thru 09/30/24 2024006	$7,403,646.00		$7,403,646.00	$7,403,646.00	$1,598,059.91	$5,805,586.09
AMERICAN WATER ACCIONA AGUA LLC 11/15/04 thru 2005062	$37,381,932.15		$30,283,041.89	$30,283,041.89	$28,300,029.48	$1,983,012.41
AMICI ENGINEERING CONTRACTORS, LLC 08/16/21 thru 09/30/25 2021046	$2,000,000.00		$750,000.00	$750,000.00	$504,025.49	$245,974.51
APPLIED ECOLOGY, INC 03/15/22 thru 03/31/25 2022035	$500,000.00		$69,438.28	$69,438.28	$13,959.49	$55,478.79
APPLIED ECOLOGY, INC 10/01/22 thru 09/30/26 2022054	$364,150.83		$188,641.75	$188,641.75	$52,916.03	$135,725.72
AQUATIC INFORMATICS, INC. 08/19/22 thru 09/30/23 2022067	$42,930.00		$42,930.00	$42,930.00	$42,930.00	$0.00
ARCADIS US INC. 05/11/17 thru 05/11/22 2017020	$1,084,764.79		$1,129,899.63	$1,129,899.63	$1,044,182.16	$85,717.47
ARCADIS US INC. 03/21/22 thru 05/01/27 2022019	$750,000.00		$0.00	$0.00	$0.00	$0.00
ARCHER WESTERN CONSTRUCTION LLC 12/16/21 thru 06/30/23 2022010	$6,449,468.15		$5,878,100.00	$5,878,100.00	$4,057,600.10	$1,820,499.90
ARCHER WESTERN CONSTRUCTION LLC 11/14/22 thru 11/14/24 2023001	$22,450,100.00		$22,450,100.00	$22,450,100.00	$2,350,157.50	$20,099,942.50
ARDURRA GROUP, INC 10/01/19 thru 09/30/24 2020003	$400,000.00		$19,150.00	$19,150.00	$19,050.00	$100.00
ARDURRA GROUP, INC 09/20/21 thru 09/01/26 2021030	$2,000,001.00		$341,505.00	$341,505.00	$132,815.87	$208,689.13
B & I CONTRACTORS, INC. 09/19/22 thru 09/30/23 2022059V	$368,984.50		$354,871.26	$354,871.26	$0.00	$354,871.26
BAL ENGINEERING, INC. 02/14/19 thru 2019700	$90,000.00		$87,400.00	$87,400.00	$71,945.00	$15,455.00

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BAL ENGINEERING, INC. 09/18/23 thru 12/10/25 2024701	$200,000.00		$45,000.00	$45,000.00	$0.00	$45,000.00
BAYVIEW PUBLIC RELATIONS INC. 10/01/22 thru 09/30/25 2023024	$525,000.00		$36,950.00	$36,950.00	$33,514.50	$3,435.50
BIG SEA, INC. 10/01/22 thru 09/30/24 2023011	$320,000.00		$47,325.00	$47,325.00	$47,325.00	$0.00
BLACK & VEATCH CORPORATION 09/01/16 thru 10/26/22 2016031	$3,023,313.05		$2,997,744.00	$2,997,744.00	$2,655,999.76	$341,744.24
BLACK & VEATCH CORPORATION 09/20/21 thru 09/30/29 2022001	$24,024,246.92		$9,007,271.80	$9,007,271.80	$5,821,682.41	$3,185,589.39
BUSACK LAW FIRM, P.A. 12/17/18 thru 09/30/19 2019037	$120,000.00		$70,000.00	$70,000.00	$0.00	$70,000.00
BUSH GRAZIANO RICE & PLATTER, P.A. 10/16/23 thru 10/16/24 2024014	$100,000.00		$30,000.00	$30,000.00	$3,245.00	$26,755.00
CAMPBELL SCIENTIFIC 05/19/22 thru 05/19/23 2022514	$123,750.00		$0.00	$0.00	$0.00	$0.00
CARMEUSE LIME & STONE, INC. 08/15/22 thru 09/30/23 2023018	$4,000,000.00		$3,684,087.00	$3,684,087.00	$2,566,785.41	$1,117,301.59
CAROLLO ENGINEERS INC 09/20/21 thru 09/01/26 2021029	$2,000,000.00		$91,656.00	$91,656.00	$84,819.44	$6,836.56
CATALYST COMMUNICATIONS GROUP LLC 10/01/22 thru 09/30/25 2023010	$945,000.00		$160,000.00	$160,000.00	$123,671.80	$36,328.20
CDM SMITH INC 09/20/21 thru 09/01/26 2021033	$2,000,001.00		$529,678.98	$529,678.98	$469,272.00	$60,406.98
CEC MOTOR & UTILITY SERVICES LLC 04/17/23 thru 04/30/27 2023032	$1,000,000.00		$100,000.00	$100,000.00	$0.00	$100,000.00
CENTURION PROJECT MANAGEMENT LLC 02/15/21 thru 02/28/23 2021020	$600,000.00		$56,055.00	$56,055.00	$56,055.00	$0.00

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CHA CONSULTING INC 07/19/21 thru 01/31/24 2020032V	$1,535,511.11		$1,410,511.11	$1,410,511.11	$1,106,323.97	$304,187.14
CHANDLER ASSET MANAGEMENT, INC. 08/17/20 thru 12/13/22 2021700	$354,000.00		$269,451.30	$269,451.30	$218,354.09	$51,097.21
CHEMICAL SYSTEMS OF ORLANDO, INC. 10/01/20 thru 09/30/21 2021007	$1,335,552.40		$1,080,933.00	$1,080,933.00	$852,022.89	$228,910.11
CLEAN SPRAY CORPORATION 05/16/22 thru 08/03/25 2022708	$300,000.00		$0.00	$0.00	$0.00	$0.00
CONN & BUENAVENTURA, P.A. 03/15/21 thru 12/31/23 2021049	$736,585.25		$651,996.97	$651,996.97	$553,475.10	$98,521.87
CONN & BUENAVENTURA, P.A. 11/13/23 thru 12/31/24 2024025	$75,000.00	$67,000.00	$0.00	$67,000.00	$0.00	$67,000.00
CORCORAN & ASSOCIATES, INC. 08/18/20 thru 08/18/23 2021004	$876,430.00		$563,930.00	$563,930.00	$449,200.00	$114,730.00
CORRPRO COMPANIES, INC. 01/01/22 thru 12/31/26 2022011	$750,000.00	$250,000.00	$366,153.00	$616,153.00	$317,327.98	$298,825.02
CUMBEY & FAIR, INC. 10/01/19 thru 09/30/24 2020007	$1,021,090.00		$736,927.00	$736,927.00	$609,918.20	$127,008.80
DEAN, MEAD, EGERTON, BLOODWORTH, 12/17/18 thru 09/30/19 2019038	$485,000.00		$440,787.07	$440,787.07	$262,823.37	$177,963.70
DESIGNER AT LARGE 10/01/22 thru 09/30/24 2023012	$160,000.00		$37,589.00	$37,589.00	$37,589.00	$0.00
DEWBERRY ENGINEERS, INC 05/17/21 thru 12/31/22 2017026V	$566,095.97		$197,920.00	$197,920.00	$133,150.82	$64,769.18
DEWBERRY ENGINEERS, INC 10/01/19 thru 09/30/24 2020009	$400,000.00	23845	$104,330.00	$128,175.00	$89,330.00	$38,845.00
DEWBERRY ENGINEERS, INC 09/20/21 thru 09/01/26 2021034	$2,000,001.00		$25,000.00	$25,000.00	$20,570.13	$4,429.87

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DIALOGUE PUBLIC RELATIONS, LLC 10/01/22 thru 09/30/25 2023009	$945,000.00		$340,337.50	$340,337.50	$217,472.54	$122,864.96
DIGITAL AERIAL SOLUTIONS, LLC 08/16/21 thru 09/30/24 2022002	$669,856.96		$504,780.52	$504,780.52	$324,955.36	$179,825.16
DONALD J POLMANN 04/17/23 thru 04/30/26 2023509	$150,000.00		$625.00	$625.00	$625.00	$0.00
EARTH RESOURCES, INC. 03/15/22 thru 03/31/25 2022027	$500,000.00		$7,389.24	$7,389.24	$7,389.24	$0.00
EARTH RESOURCES, INC. 10/03/22 thru 09/30/26 2022053	$417,406.07		$246,083.87	$246,083.87	$148,125.49	$97,958.38
EARTHBALANCE 03/29/22 thru 03/31/25 2022041	$500,000.00		$0.00	$0.00	$0.00	$0.00
ECO-LAND DESIGN, LLC 10/21/21 thru 09/30/24 2022018	$93,775.00		$2,000.00	$2,000.00	$0.00	$2,000.00
ECOHYDROLOGIX LLC 03/15/22 thru 03/31/25 2022032	$500,000.00		$29,750.00	$29,750.00	$8,167.50	$21,582.50
ECOHYDROLOGIX LLC 10/03/22 thru 09/30/26 2022055	$655,976.00		$343,861.00	$343,861.00	$162,605.53	$181,255.47
ELECTRIC GAS INDUSTRIES ASSOCIATION 10/21/19 thru 10/31/24 2020010	$17,455,354.00		$5,164,089.00	$5,164,089.00	$1,988,692.02	$3,175,396.98
ELECTRICAL ENGINEERING ENTERPRISES INC 12/14/20 thru 12/14/22 2021014	$1,200,000.00		$826,850.00	$826,850.00	$639,026.49	$187,823.51
ENERGY CAP, LLC 02/18/19 thru 2019030	$148,662.25		$148,662.25	$148,662.25	$142,187.15	$6,475.10
ENTERPRISE FM TRUST 02/19/18 thru 2018704	$2,382,257.82		$2,265,904.49	$2,265,904.49	$2,150,867.80	$115,036.69
ENVIRONMENTAL SCIENCE ASSOCIATES 06/15/20 thru 02/11/24 2020709	$1,520,000.00		$1,614,104.96	$1,614,104.96	$1,318,457.66	$295,647.30

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ENVIRONMENTAL SCIENCE ASSOCIATES 08/17/20 thru 09/30/25 2021001	$2,739,331.00		$2,222,731.00	$2,222,731.00	$1,648,654.40	$574,076.60
ENVIRONMENTAL SCIENCE ASSOCIATES 04/14/22 thru 03/31/25 2022030	$500,000.00	$34,878.00	$214,716.00	$249,594.00	$127,037.00	$122,557.00
F.H. BLACK AND COMPANY INC. 08/17/20 thru 12/21/22 2021701	$100,000.00		$68,150.00	$68,150.00	$54,456.25	$13,693.75
FIVE12 PAINTING & REMODELING LLC 10/01/22 thru 09/30/23 2023014	$300,000.00		$104,280.00	$104,280.00	$93,278.00	$11,002.00
FLATWOODS CONSULTING GROUP, INC. 03/15/22 thru 03/31/25 2022029	$500,000.00		$11,300.00	$11,300.00	$2,825.00	$8,475.00
FLORIDA JETCLEAN 10/01/20 thru 09/30/21 2021006	$587,620.00		$188,310.00	$188,310.00	$170,720.00	$17,590.00
FLOW PARTNERS SERVICES, LLC 05/31/23 thru 05/30/24 2023033	$99,968.00		$99,968.00	$99,968.00	$0.00	$99,968.00
GANNETT FLEMING, INC 08/17/20 thru 2020020	$2,499,999.10		$1,282,982.60	$1,282,982.60	$881,923.10	$401,059.50
GARNEY COMPANIES, INC. 11/13/23 thru 12/31/27 2023027	$5,209,793.00	5209793	$0.00	$5,209,793.00	$0.00	$5,209,793.00
GEOPOINT SURVEYING, INC. 09/20/21 thru 09/30/25 2021043	$598,281.60		$340,272.24	$340,272.24	$215,573.76	$124,698.48
GEORGE F YOUNG INC 10/01/19 thru 09/30/24 2020002	$400,000.00		$12,350.00	$12,350.00	$12,350.00	$0.00
GEOSYNTEC CONSULTANTS, INC. 10/17/22 thru 09/30/25 2023007	$600,000.00		$146,735.00	$146,735.00	$85,527.00	$61,208.00
GHD SERVICES, INC. 09/20/21 thru 09/30/24 2022007	$450,000.00		$199,275.77	$199,275.77	$116,243.18	$83,032.59
GRAY ROBINSON, P.A. 12/17/18 thru 09/30/19 2019039	$655,000.00		$566,975.11	$566,975.11	$154,200.73	$412,774.38

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GREENMAN-PEDERSEN, INC. 08/20/18 thru 08/20/23 2018047	$323,611.32		$322,507.91	$322,507.91	$307,624.83	$14,883.08
GREENMAN-PEDERSEN, INC. 02/18/19 thru 02/19/22 2019017	$300,000.00		$274,835.75	$274,835.75	$267,367.09	$7,468.66
GSI ENVIRONMENTAL, INC. 10/21/19 thru 10/31/24 2020017	$1,250,000.00	41867.4	$1,139,786.56	$1,181,653.96	$867,109.06	$314,544.90
HANNA RESOURCE GROUP, LLC 12/27/23 thru 12/31/24 2024904	$27,900.00		$0.00	$0.00	$0.00	$0.00
HAWKINS, INC. 08/15/22 thru 09/30/23 2023019	$1,251,100.00		$527,503.00	$527,503.00	$283,784.05	$243,718.95
HAZEN & SAWYER, P.C. 10/21/19 thru 10/30/22 2020013	$400,000.00		$359,650.83	$359,650.83	$332,950.83	$26,700.00
HAZEN & SAWYER, P.C. 10/21/19 thru 10/31/24 2020018	$800,000.00		$210,000.00	$210,000.00	$149,243.00	$60,757.00
HAZEN & SAWYER, P.C. 09/20/21 thru 09/01/26 2021032	$2,000,001.00		$0.00	$0.00	$0.00	$0.00
HAZEN & SAWYER, P.C. 03/21/22 thru 05/01/27 2022020	$750,000.00		$277,033.00	$277,033.00	$214,699.54	$62,333.46
HAZEN & SAWYER, P.C. 11/08/22 thru 12/31/25 2022060	$1,089,370.10		$819,965.00	$819,965.00	$415,565.80	$404,399.20
HAZEN & SAWYER, P.C. 10/17/22 thru 09/30/25 2023006	$600,000.00		$66,200.00	$66,200.00	$0.00	$66,200.00
HILLSBOROUGH COUNTY 10/01/22 thru 09/30/23 AGR2023001	$194,412.48		$194,412.00	$194,412.00	$184,081.61	$10,330.39
HILLSBOROUGH COUNTY 10/01/23 thru 09/30/24 AGR2024001	$194,412.00		$194,412.00	$194,412.00	$0.00	$194,412.00
HSW CONSULTING LLC 09/20/21 thru 09/30/24 2022006	$450,000.00		$34,500.00	$34,500.00	$14,339.25	$20,160.75

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IN DEPTH INC. 10/16/23 thru 03/30/25 2024008	$200,000.00		$0.00	$0.00	$0.00	$0.00
INTERA, INC. 11/05/13 thru 12/31/22 2014020	$500,000.00		$513,977.96	$513,977.96	$447,405.46	$66,572.50
INTERA, INC. 10/21/19 thru 10/31/24 2020019	$749,999.90		$303,400.58	$303,400.58	$167,758.48	$135,642.10
JACOBS ENGINEERING GROUP INC 09/20/21 thru 09/01/26 2021037	$1,999,001.00		$548,793.24	$548,793.24	$440,819.42	$107,973.82
JACOBS ENGINEERING GROUP INC 08/21/23 thru 05/30/27 2023026	$836,348.00		$836,348.00	$836,348.00	$0.00	$836,348.00
JAM 520 CONSTRUCTION LLC 10/01/22 thru 09/30/23 2023015	$400,000.00		$400,000.00	$400,000.00	$312,429.71	$87,570.29
JANICKI ENVIRONMENTAL, INC. 03/21/22 thru 03/31/25 2022034	$500,000.00		$0.00	$0.00	$0.00	$0.00
JOHN H GRANGER MAINTENANCE & 08/16/21 thru 09/30/25 2021044	$2,000,000.00		$1,176,004.00	$1,176,004.00	$697,319.57	$478,684.43
KAT CONSTRUCTION & MATERIALS, INC. 06/20/22 thru 05/30/23 2022026	$1,151,100.00		$1,151,100.00	$1,151,100.00	$1,021,882.99	$129,217.01
KAT CONSTRUCTION & MATERIALS, INC. 12/01/23 thru 03/31/25 2024011	$1,335,340.00	$1,335,340.00	$0.00	$1,335,340.00	$0.00	$1,335,340.00
KELLER AMERICA, INC 11/15/21 thru 11/14/23 2022022	$511,556.78		$125,186.49	$125,186.49	$125,341.61	($155.12)
LHOIST NORTH AMERICA OF ALABAMA, LLC 10/01/20 thru 09/30/21 2021011	$1,342,180.80		$641,179.75	$641,179.75	$444,170.52	$197,009.23
LOCHER ENVIRONMENTAL TECHNOLOGY LLC 01/05/22 thru 12/01/27 2022704	$143,673.00		$80,000.00	$80,000.00	$16,328.00	$63,672.00
MAINZER MANAGEMENT INC 04/20/20 thru 09/30/22 2020045	$621,570.00		$319,460.00	$319,460.00	$34,575.00	$284,885.00

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MAINZER MANAGEMENT INC 10/01/23 thru 09/30/25 2024004	$185,800.00		$185,800.00	$185,800.00	$14,992.00	$170,808.00
MATHESON TRI-GAS INC. 10/01/20 thru 09/30/21 2021008	$4,115,334.79		$3,378,336.00	$3,378,336.00	$2,583,942.30	$794,393.70
MATHESON TRI-GAS INC. 10/01/22 thru 09/30/23 2023900	$30,000.00		$0.00	$0.00	$0.00	$0.00
MAULDIN & JENKINS, LLC 04/18/22 thru 02/29/24 2022900	$352,000.00		$288,000.00	$288,000.00	$217,000.00	$71,000.00
MCKIM & CREED PA 05/11/17 thru 05/11/22 2017028	$900,000.00		$731,875.33	$731,875.33	$456,106.70	$275,768.63
MCKIM & CREED PA 09/20/21 thru 09/01/26 2021035	$2,000,001.01		$171,995.00	$171,995.00	$66,451.90	$105,543.10
MONTROSE ENVIRONMENTAL SOLUTIONS, INC. 09/20/21 thru 09/30/24 2022008	$450,000.00	13623	$58,482.00	$72,105.00	$58,471.50	$13,633.50
NABORS, GIBLIN, & NICKERSON P.A. 12/17/18 thru 09/17/19 2019040	$100,000.00		$106,292.14	$106,292.14	$34,688.93	$71,603.21
NATIONAL EC SERVICES, INC. 10/17/22 thru 09/30/25 2023005	$600,000.00		$322,610.00	$322,610.00	$215,990.68	$106,619.32
ODYSSEY MANUFACTURING COMPANY 10/01/21 thru 09/30/22 2022016	$9,848,361.60		$8,005,350.00	$8,005,350.00	$6,387,165.14	$1,618,184.86
PACE ANALYTICAL SERVICES, LLC. 03/21/22 thru 02/28/23 2022037	$50,000.00		$25,000.00	$25,000.00	$0.00	$25,000.00
PAFF TREE SERVICE, LLC 03/29/22 thru 03/31/23 2022046	$259,302.00	$50,000.00	$193,609.00	$243,609.00	$184,312.00	$59,297.00
PASCO COUNTY OFFICES 10/01/22 thru 12/31/23 AGR2023002	$177,309.00		$177,309.00	$177,309.00	$177,309.00	$0.00
PASCO COUNTY OFFICES 10/01/23 thru 09/30/24 AGR2024002	$182,628.00		$182,628.00	$182,628.00	$0.00	$182,628.00

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December 1, 2023 thru December 31, 2023

Vendor Name and Contract Dates	Contract Amount Authorized	Current Period PO Amount Issued	Previous PO Amount Issued	Total PO Issued To Date	Total Expended To Date	Outstanding PO Balance
PATHOGEN DETECTION SYSTEMS, INC 02/02/21 thru 02/28/24 2021903	$32,130.00		$0.00	$0.00	$0.00	$0.00
PCL CONSTRUCTION, INC. 12/14/20 thru 08/31/24 2021012	$334,556.00		$334,556.00	$334,556.00	$237,409.82	$97,146.18
PCL CONSTRUCTION, INC. 09/02/21 thru 02/28/23 2021012GP1	$263,049.60		$315,382.60	$315,382.60	$235,267.70	$80,114.90
PCL CONSTRUCTION, INC. 09/02/21 thru 02/28/23 2021012GP2	$3,865,758.57		$5,588,671.01	$5,588,671.01	$3,192,445.53	$2,396,225.48
PCL CONSTRUCTION, INC. 11/15/21 thru 04/30/23 2021012GP3	$1,719,635.64		$1,719,635.64	$1,719,635.64	$1,445,184.22	$274,451.42
PCL CONSTRUCTION, INC. 11/15/21 thru 04/30/23 2021012GP4	$1,506,874.37		$1,411,101.70	$1,411,101.70	$1,205,687.53	$205,414.17
PCL CONSTRUCTION, INC. 04/01/22 thru 06/30/23 2021012GP5	$919,009.85		$719,009.85	$719,009.85	$182,269.24	$536,740.61
PCL CONSTRUCTION, INC. 02/21/22 thru 02/09/23 2021012GP6	$8,304,305.00		$7,304,305.00	$7,304,305.00	$6,211,359.42	$1,092,945.58
PCL CONSTRUCTION, INC. 07/29/21 thru 12/31/23 2021703	$1,502,335.71		$1,302,335.71	$1,302,335.71	$1,272,532.30	$29,803.41
PCL CONSTRUCTION, INC. 08/21/23 thru 07/01/24 2023028	$1,504,600.00		$1,504,600.00	$1,504,600.00	$0.00	$1,504,600.00
PCL CONSTRUCTION, INC. 08/21/23 thru 05/30/27 2023029	$147,958.00		$147,958.00	$147,958.00	$0.00	$147,958.00
PERSONNEL SOLUTIONS PLUS LLC 05/17/21 thru 03/31/23 2021704	$100,000.00		$88,406.40	$88,406.40	$29,580.59	$58,825.81
PERSONNEL SOLUTIONS PLUS LLC 05/15/23 thru 04/02/28 2023705	$200,000.00		$0.00	$0.00	$0.00	$0.00
PFM ASSET MANAGEMENT LLC 06/09/06 thru 09/30/17 2006067	$500,000.00		$235,915.00	$235,915.00	$185,032.50	$50,882.50

Contract Summary

Monthly Status Report of Vendors

December 1, 2023 thru December 31, 2023

Vendor Name and Contract Dates	Contract Amount Authorized	Current Period PO Amount Issued	Previous PO Amount Issued	Total PO Issued To Date	Total Expended To Date	Outstanding PO Balance
PFM FINANCIAL ADVISORS LLC 05/15/23 thru 03/21/26 2023703	$144,000.00		$16,000.00	$16,000.00	$2,500.00	$13,500.00
PINELLAS COUNTY BOARD OF COUNTY 10/01/22 thru 09/30/23 AGR2023003	$177,309.00		$177,309.00	$177,309.00	$168,000.97	$9,308.03
PINELLAS COUNTY BOARD OF COUNTY 10/01/23 thru 09/30/24 AGR2024003	$182,628.00		$182,628.00	$182,628.00	$0.00	$182,628.00
PIPER FIRE PROTECTION, INC. 10/01/22 thru 09/30/23 2023020	$400,000.00		$211,101.92	$211,101.92	$121,248.89	$89,853.03
POLYDYNE INC 10/01/23 thru 09/30/24 2024005	$677,448.00		$541,699.00	$541,699.00	$133,155.00	$408,544.00
POND & COMPANY 12/14/20 thru 12/14/25 2021017	$682,000.00	$158,096.00	$393,253.98	$551,349.98	$393,131.39	$158,218.59
PRITCHETT STEINBECK GROUP, INC. 10/01/18 thru 09/30/23 2018046	$541,310.60		$613,483.12	$613,483.12	$507,454.29	$106,028.83
PRITCHETT STEINBECK GROUP, INC. 02/18/19 thru 02/28/22 2019018	$300,000.00		$204,552.25	$204,552.25	$143,052.25	$61,500.00
PRITCHETT STEINBECK GROUP, INC. 08/16/21 thru 09/30/26 2022003	$788,415.00		$524,349.00	$524,349.00	$313,805.50	$210,543.50
PRITCHETT STEINBECK GROUP, INC. 03/15/22 thru 03/31/25 2022028	$570,000.00		$319,511.98	$319,511.98	$146,655.93	$172,856.05
PRITCHETT STEINBECK GROUP, INC. 10/03/22 thru 09/30/26 2022052	$616,926.00		$299,049.00	$299,049.00	$147,233.13	$151,815.87
PROJECT MANAGEMENT SOLUTIONS, INC. 02/15/21 thru 02/28/23 2021019	$600,000.00		$382,225.00	$382,225.00	$357,225.00	$25,000.00
PVS TECHNOLOGIES, INC. 10/01/21 thru 09/30/22 2022013	$8,716,063.68		$564,196.00	$564,196.00	$125,109.17	$439,086.83
QUEST ECOLOGY INC 03/29/22 thru 03/31/25 2022043	$500,000.00	$116,635.05	$141,101.50	$257,736.55	$55,267.64	$202,468.91

Contract Summary

Monthly Status Report of Vendors

December 1, 2023 thru December 31, 2023

Vendor Name and Contract Dates	Contract Amount Authorized	Current Period PO Amount Issued	Previous PO Amount Issued	Total PO Issued To Date	Total Expended To Date	Outstanding PO Balance
RADIO ONE, INC. 09/29/21 thru 02/28/24 2021710	$684,300.00		$394,175.57	$394,175.57	$284,271.91	$109,903.66
RAFTELIS FINANCIAL CONSULTANTS, INC. 03/21/22 thru 05/01/27 2022021	$750,000.00		$105,850.00	$105,850.00	$81,500.00	$24,350.00
RANDALL ENVIRONMENTAL, INC. 11/17/20 thru 10/31/22 2020044	$19,246,783.19		$13,321,866.00	$13,321,866.00	$7,170,407.75	$6,151,458.25
RAZORBACK LLC 10/16/23 thru 03/30/25 2024009	$400,000.00		$0.00	$0.00	$0.00	$0.00
RICK RICHARDS, INC. 04/05/22 thru 03/31/25 2022045	$954,700.00		$45,300.00	$45,300.00	$45,300.00	$0.00
RICK RICHARDS, INC. 03/21/22 thru 03/31/23 2022047	$239,349.00		$200,000.00	$200,000.00	$196,824.00	$3,176.00
ROWLAND (DE), LLC 08/16/21 thru 09/30/25 2021045	$2,000,000.00		$358,610.00	$358,610.00	$116,482.70	$242,127.30
ROWLAND (DE), LLC 08/16/21 thru 09/30/25 2021047	$2,000,000.00		$1,400,000.00	$1,400,000.00	$1,026,406.72	$373,593.28
RYMAN CONSTRUCTION INC. 10/03/22 thru 11/19/23 2023700	$150,000.00	8571.57	$65,000.00	$73,571.57	$73,571.57	$0.00
SEAN J PALMER 10/01/22 thru 09/30/24 2023023	$160,000.00		$9,862.80	$9,862.80	$5,681.40	$4,181.40
SMITH INDUSTRIES INC 03/21/22 thru 03/31/23 2022049	$800,000.00		$213,976.90	$213,976.90	$156,122.90	$57,854.00
SOUTHEAST DRILLING SERVICES INC 08/19/19 thru 09/30/22 2019054	$960,734.00		$925,000.00	$925,000.00	$759,156.00	$165,844.00
SOUTHEAST DRILLING SERVICES INC 08/19/19 thru 09/30/22 2019056	$800,000.00		$155,150.00	$155,150.00	$141,150.00	$14,000.00
SOUTHEASTERN SURVEYING AND MAPPING 10/01/19 thru 09/30/24 2020006	$1,226,746.70		$191,157.65	$191,157.65	$186,626.65	$4,531.00

Contract Summary

Monthly Status Report of Vendors

December 1, 2023 thru December 31, 2023

Vendor Name and Contract Dates	Contract Amount Authorized	Current Period PO Amount Issued	Previous PO Amount Issued	Total PO Issued To Date	Total Expended To Date	Outstanding PO Balance
SOUTHWEST FLORIDA WATER MANAGEMENT 10/01/20 thru 08/01/24 AGR2021005	$2,864,476.00		$0.00	$0.00	$0.00	$0.00
STANTEC CONSULTING SERVICES, INC. 02/17/20 thru 08/31/23 2020026	$1,479,296.62		$1,319,903.50	$1,319,903.50	$948,626.58	$371,276.92
STANTEC CONSULTING SERVICES, INC. 10/27/20 thru 09/30/26 2021002	$2,497,571.00		$2,297,571.00	$2,297,571.00	$1,329,133.01	$968,437.99
STANTEC CONSULTING SERVICES, INC. 08/16/21 thru 02/28/29 2021025	$15,070,883.14		$14,069,090.00	$14,069,090.00	$2,965,968.92	$11,103,121.08
STANTEC CONSULTING SERVICES, INC. 09/20/21 thru 09/01/26 2021028	$2,000,001.00		$84,601.00	$84,601.00	$26,052.75	$58,548.25
STANTEC CONSULTING SERVICES, INC. 09/20/21 thru 09/30/24 2022009V	$450,000.00		$0.00	$0.00	$0.00	$0.00
STANTEC CONSULTING SERVICES, INC. 03/21/22 thru 03/31/25 2022040V	$399,435.00		$269,740.00	$269,740.00	$121,884.67	$147,855.33
STEARNS WEAVER MILLER WEISSLER 12/17/18 thru 09/30/19 2019041	$80,000.00		$82,080.50	$82,080.50	$5,129.50	$76,951.00
SULPHURIC ACID TRADING CO. INC 10/01/21 thru 09/30/22 2022014	$7,616,452.12		$6,747,566.00	$6,747,566.00	$4,940,227.75	$1,807,338.25
SURVTECH SOLUTIONS, INC. 10/01/19 thru 09/30/24 2020008	$400,000.00		$14,756.00	$14,756.00	$9,756.00	$5,000.00
TAMCO ELECTRIC INC 12/14/20 thru 12/14/22 2021013	$1,200,000.00		$651,000.00	$651,000.00	$427,557.93	$223,442.07
TAMPA ARMATURE WORKS INC 05/11/23 thru 04/30/27 2023031	$1,500,000.00		$135,000.00	$135,000.00	$16,506.84	$118,493.16
TAMPA BAY ESTUARY PROGRAM 07/19/21 thru 12/31/26 AGR2021010	$60,000.00		$0.00	$0.00	$0.00	$0.00
TAMPA BAY ESTUARY PROGRAM 02/21/22 thru 09/30/24 AGR2022006	$282,776.00		$0.00	$0.00	$0.00	$0.00

Contract Summary

Monthly Status Report of Vendors

December 1, 2023 thru December 31, 2023

Vendor Name and Contract Dates	Contract Amount Authorized	Current Period PO Amount Issued	Previous PO Amount Issued	Total PO Issued To Date	Total Expended To Date	Outstanding PO Balance
THATCHER CHEMICAL OF FLORIDA INC. 10/01/20 thru 09/30/21 2021009	$943,378.12		$533,182.00	$533,182.00	$382,395.02	$150,786.98
THATCHER CHEMICAL OF FLORIDA INC. 08/15/22 thru 09/30/23 2023017	$13,402,901.96		$9,612,220.00	$9,612,220.00	$5,999,623.98	$3,612,596.02
THE GORDIAN GROUP 07/29/21 thru 12/31/23 2021707	$250,000.00		$65,117.29	$65,117.29	$65,116.79	$0.50
THE VALERIN GROUP, INC. 10/01/22 thru 09/30/24 2023013	$160,000.00		$1,500.00	$1,500.00	$1,500.00	$0.00
TUCKER ENTERPRISE SERVICES, INC. 03/21/22 thru 03/31/23 2022048	$164,550.00		$80,000.00	$80,000.00	$37,650.00	$42,350.00
UNIVERSAL PROTECTION SERVICE LP 06/15/20 thru 03/09/25 2020707	$5,588,611.65		$4,840,393.84	$4,840,393.84	$4,192,713.96	$647,679.88
UNIVERSITY OF CENTRAL FLORIDA 08/30/22 thru 08/31/24 2022024	$73,823.00		$73,823.00	$73,823.00	$46,139.40	$27,683.60
UNIVERSITY OF CENTRAL FLORIDA 02/18/21 thru 06/30/24 AGR2021008	$89,470.00		$89,470.00	$89,470.00	$71,576.00	$17,894.00
UNIVERSITY OF FLORIDA 08/19/19 thru 09/30/21 2020037	$78,859.00		$0.00	$0.00	$0.00	$0.00
UNIVERSITY OF FLORIDA 10/01/23 thru 09/30/24 2024010	$80,780.00		$0.00	$0.00	$0.00	$0.00
UNIVERSITY OF FLORIDA 10/01/20 thru 08/30/23 AGR2021007	$90,000.00		$90,000.00	$90,000.00	$75,000.00	$15,000.00
UNIVERSITY OF FLORIDA RESEARCH 09/19/22 thru 12/31/23 2022056	$30,000.00		$30,000.00	$30,000.00	$24,000.00	$6,000.00
UNIVERSITY OF FLORIDA RESEARCH 10/01/22 thru 09/30/23 2023002	$80,780.00		$80,780.00	$80,780.00	$80,780.00	$0.00
UNIVERSITY OF FLORIDA RESEARCH 08/26/21 thru 03/31/24 AGR2021011	$98,112.00		$0.00	$0.00	$0.00	$0.00

Contract Summary

Monthly Status Report of Vendors

December 1, 2023 thru December 31, 2023

Vendor Name and Contract Dates	Contract Amount Authorized	Current Period PO Amount Issued	Previous PO Amount Issued	Total PO Issued To Date	Total Expended To Date	Outstanding PO Balance
UNIVERSITY OF SOUTH FLORIDA 04/03/20 thru 06/30/24 2020048	$190,220.19		$143,499.00	$143,499.00	$99,903.00	$43,596.00
UNIVERSITY OF SOUTH FLORIDA 06/01/21 thru 06/30/24 2021051	$126,162.00		$126,162.00	$126,162.00	$99,693.00	$26,469.00
UNIVERSITY OF SOUTH FLORIDA 09/19/22 thru 09/30/24 2022066	$80,000.00		$80,000.00	$80,000.00	$0.00	$80,000.00
UNIVERSITY OF SOUTH FLORIDA 11/01/22 thru 09/30/24 2023008	$89,996.00		$89,996.00	$89,996.00	$59,996.00	$30,000.00
US WATER-ACCIONA SEAWATER DESLINATION 07/17/23 thru 11/15/29 2005062V	$9,005,422.42		$8,818,779.00	$8,818,779.00	$1,441,778.77	$7,377,000.23
USGS 10/01/23 thru 09/30/24 2024003	$134,900.00	$134,900.00	$0.00	$134,900.00	$0.00	$134,900.00
V&A CONSULTING ENGINEERING, INC. 08/17/22 thru 09/01/26 2021027V	$2,000,000.00		$253,992.13	$253,992.13	$83,109.17	$170,882.96
VANASSE HANGEN BRUSTLIN INC 04/05/22 thru 03/31/25 2022033	$500,000.00		$67,600.00	$67,600.00	$62,600.00	$5,000.00
VEOLIA WATER NORTH AMERICA 04/10/00 thru 01/15/28 2000028	$26,036,298.04	56052.87	$23,550,674.26	$23,606,727.13	$11,870,647.13	$11,736,080.00
VERIZON FLORIDA INC 08/25/20 thru 12/29/23 2020054	$1,350,000.00		$1,225,000.00	$1,225,000.00	$767,890.52	$457,109.48
WADE-TRIM INC 08/16/21 thru 02/28/29 2021024	$30,883,703.00		$27,006,082.00	$27,006,082.00	$3,814,674.38	$23,191,407.62
WADE-TRIM INC 09/20/21 thru 09/01/26 2021031	$2,000,001.00		$289,766.00	$289,766.00	$20,030.80	$269,735.20
WANTMAN GROUP, INC 10/01/19 thru 09/30/24 2020005	$400,000.00		$94,480.00	$94,480.00	$84,480.00	$10,000.00
WATER & AIR RESEARCH, INC. 02/18/19 thru 02/18/22 2019019	$300,000.00		$303,213.58	$303,213.58	$291,402.84	$11,810.74

Contract Summary

Monthly Status Report of Vendors

December 1, 2023 thru December 31, 2023

Vendor Name and Contract Dates	Contract Amount Authorized	Current Period PO Amount Issued	Previous PO Amount Issued	Total PO Issued To Date	Total Expended To Date	Outstanding PO Balance
WATER & AIR RESEARCH, INC. 04/19/19 thru 04/30/22 2019025	$300,000.00		$348,691.75	$348,691.75	$292,744.75	$55,947.00
WATER & AIR RESEARCH, INC. 03/21/22 thru 03/31/25 2022042	$500,000.00		$121,075.50	$121,075.50	$87,961.75	$33,113.75
WESLEY S. LIVERNOIS 01/01/23 thru 12/31/23 2023025	$824,420.75		$420,000.00	$420,000.00	$318,181.00	$101,819.00
WILDLANDS CONSERVATION, INC. 03/21/22 thru 03/31/25 2022044	$1,817,758.06		$178,043.83	$178,043.83	$93,636.31	$84,407.52
WISE CONSULTING GROUP 08/16/21 thru 09/30/26 2022004	$450,960.00		$304,407.00	$304,407.00	$163,599.00	$140,808.00
WSP USA ENVIRONMENT & INFRASTRUCTURE 10/01/19 thru 09/30/24 2020004	$1,553,612.74		$23,193.63	$23,193.63	$23,193.63	$0.00
WSP USA ENVIRONMENT & INFRASTRUCTURE 03/21/22 thru 03/31/25 2022031	$500,000.00		$39,339.50	$39,339.50	$39,339.50	$0.00
WSP USA INC 12/14/20 thru 12/31/24 2017043V	$653,999.00		$282,453.00	$282,453.00	$254,400.08	$28,052.92
WSP USA INC 09/20/21 thru 09/30/24 2022005	$481,520.00		$87,245.00	$87,245.00	$39,475.00	$47,770.00
WSP USA INC 03/21/22 thru 05/01/27 2022051	$750,000.00	$10,112.00	$67,448.37	$77,560.37	$5,089.50	$72,470.87
XTREMELY CLEAN JANITORIAL SERVICES, LLC. 07/01/23 thru 10/31/23 2023704	$250,000.00		$212,059.14	$212,059.14	$106,093.06	$105,966.08

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.8

DATE: January 31, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Management Statistics Report with Aged Accounts Receivable as of December 31, 2023 - *Receive Report*

SUMMARY

The Management Statistics Reports with Aged Accounts Receivable for December 2023 are attached for the Board's information.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

N/A

DISCUSSION

The Management Statistics report provides a summary of Aged Receivables, Operations and Maintenance (O&M) labor as a percentage of controllable O&M costs and Inventory Turnover fiscal year to date through December 31, 2023.

Attachments (1)

MgmtStats Dec 2023

Management Statistics with Aged Accounts Receivable
Based on Information Available Month Ending 12/31/2023

1. Aged Accounts Receivable as of December 31, 2023

Acct. Receivable Balance 12/31/23	Current	Past Due Over 30 Days
$15,627,017.21	$14,384,246.89	$1,242,770.32

2. O&M Labor as a percentage of Controllable O&M costs through December 31, 2023 = 60.99%

3. Inventory Turnover Fiscal Year to Date = 3.7%

Inventory at 10/1/2023	$1,099,076.19
Inventory at 12/31/2023	1,110,021.83
Average	1,104,549.01
Cost of Inventory Used	40,901.64
Inventory Turnover Year to Date	3.7%

4. Uniform Rate / 1,000 gallons FY 2024 = $ 2.5989

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.9

DATE: February 5, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: True Up of Fixed Costs between Member Governments for December 2023 - *Receive Report*

SUMMARY

The attached reports are the true up of fixed costs between Member Governments as of December 31, 2023.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

N/A

DISCUSSION

To assist our Members in their planning and budgeting, we present a monthly schedule that shows the projected true-up adjustment due each September based on the water production to date for the current fiscal year. This is done to ensure that each member is aware of the up-coming true-up billing and that the member government will have time to take appropriate planning measures for the September 2024 year-end closeout. At the end of the fiscal year, we provide our members with the actual true-up of fixed charges.

Each member is billed for fixed charges through the year based upon their respective pro-rata share of the prior year's production.

BACKGROUND

As required by the Master Water Supply Contract, each member's actual contributions are adjusted at year-end to the current year's budgeted fixed costs, based upon their pro-rata portion of current year production. This adjustment is called the true-up. This true-up adjustment results in potential amounts due to/from each member with no net revenue impact to the agency. It is calculated at the conclusion of each fiscal year, resulting in a potential invoice or credit to each member in October of each year.

Attachments (1)

Potential True Up DEC-31-2023

MEMBER WATER DEMAND OCTOBER 1, 2023 THROUGH SEPTEMBER 30, 2024
ACTUAL vs. BUDGETED

	MONTHLY DEMAND							
	ST PETE	PINELLAS	TAMPA (Morris Br)	HILLSBOROUGH	PASCO	NEW PORT RICHEY	TOTALS	
Oct-22	903.50	1,645.72	340.14	2,548.62	1,179.48	116.84	6,734.30	
Nov-22	856.94	1,557.90	72.53	2,431.56	1,132.65	108.51	6,160.09	
Dec-22	836.42	1,510.57	213.44	2,196.76	1,069.81	98.74	5,925.74	
Jan-23							-	
Feb-23							-	
Mar-23							-	
Apr-23							-	
May-23							-	
Jun-23							-	
Jul-23							-	
Aug-23							-	
Sep-23							-	
FY 23 FYE	10,420.34	18,517.30	1,699.18	29,139.71	12,908.00	1,119.76	73,804.29	202.20 MGD
FY 24 YTD	2,596.86	4,714.19	626.11	7,176.94	3,381.94	324.09	18,820.13	204.57 MGD
+ / -	(7,823.48)	(13,803.11)	(1,073.07)	(21,962.77)	(9,526.06)	(795.67)	(54,984.16)	(2.36) MGD

FY24 YTD MGD	28.23	51.24	6.81	78.01	36.76	3.52	204.57
% of YTD	13.80%	25.05%	3.33%	38.13%	17.97%	1.72%	100.00%
FY 23 MGD	28.55	50.73	4.66	79.83	35.36	3.07	202.20
% of FY 23	14.12%	25.09%	2.30%	39.48%	17.49%	1.52%	100.00%
Fixed billed FY24	21,330,667.17	37,902,092.67	3,481,643.05	59,643,683.38	26,418,647.68	2,293,700.46	151,070,434.41
Actual fixed based on % of ytd	$ 20,845,167.82	$ 37,841,116.46	$ 5,025,826.59	$ 57,609,774.40	$ 27,147,057.16	$ 2,601,491.97	$ 151,070,434.41
Potential True-up	$ (485,499.35)	$ (60,976.21)	$ 1,544,183.54	$ (2,033,908.98)	$ 728,409.48	$ 307,791.51	$ (0.00)

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.10

DATE: February 8, 2024

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Financial Statement - December 2023 - *Receive Report*

SUMMARY

The attached Statement of Revenues and Expenditures summarizes the Agency's uniform rate basis financial activity for December 2023.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

N/A

DISCUSSION

Financial Statement - Summary of Major Points:

Revenues – Operating revenue consists of water sales (fixed and variable components), sales from the Tampa Bypass Canal to the City of Tampa, operating grants, other additional surcharges revenue and the board-approved balance carried forward from the previous year through the Rate Stabilization Fund. Fixed rate revenue is earned in level monthly increments and only catches up to the expenditures at year end. Non-Operating Income consists of investment income, miscellaneous income, litigation recoveries and capital contributions.

Expenditures - Throughout the year, actual expenditures normally lag behind by at least one to two months. This is due to the fact that vendor bills and the subsequent payment of those bills generally lag behind the actual performance of the services by 30 to 45 days. When the fiscal year end approaches, the books are held open to allow for all fiscal year activity to be accounted for and shown in the appropriate fiscal year. Variable rate expenditures will have seasonal peaks as the agency enters the dry season and adjusts the supply sources.

The “Encumbrance” balance shown on the bottom of the financial statements represents the amount of open purchase orders (committed funds and blanket purchase orders) as of the end of the month, including purchase orders carried forward from the previous year. Although the encumbrance is presented for informational purposes, it gives a projected contractual commitment against current year funds. There are many purchase orders established at the beginning of the year that will be spent through the year and monthly revenue will be collected through the year to offset that expense, some of the categories with larger encumbrances at the beginning of the year include Water Treatment Chemicals, Power, and Professional Services. Professional service tasks frequently carry over beyond the end of a fiscal year, in which case the applicable open purchase orders and the associated budget dollars are carried into the next fiscal year to allow for completion of those tasks as mentioned above.

Attachments (1)

Financial Statements 12.2023

TAMPA BAY WATER - UNIFORM RATE BASIS
Statement of Revenues and Expenditures
December 31, 2023

	Current Month Actual	Original Budget	Revised Budget	Year to Date (YTD) Actual	YTD Actual % of Revised Budget
OPERATING REVENUE:					
Operating Grant - SWFWMD	106,139	398,000	398,000	106,139	26.67%
Water Sales - Fixed	12,589,203	151,070,434	151,070,434	37,767,609	25.00%
Water Sales - Variable	3,028,646	36,983,172	36,983,172	9,618,968	26.01%
Water Sales - Other	3,500	42,000	42,000	10,500	25.00%
Water Sales - Tampa By-Pass Canal	38,813	392,000	392,000	255,107	65.08%
Rate Stabilization (Note 1)	464,619	5,575,433	23,348,989	19,167,415	82.09%
TOTAL OPERATING REVENUE	16,230,919	194,461,039	212,234,595	66,925,737	31.53%
OPERATING EXPENSES:					
FIXED OPERATING EXPENSE:					
Personnel Services	1,727,977	25,377,300	25,377,300	5,003,962	19.72%
Materials & Supplies	165,208	3,279,648	3,569,620	749,656	21.00%
Members Water Quality costs	4,000	48,000	48,000	12,000	25.00%
Legal Services	28,795	750,000	750,000	70,411	9.39%
Professional Services	3,083,992	34,387,652	46,061,147	5,308,843	11.53%
Repairs & Other Services	783,400	8,204,458	9,826,190	1,775,191	18.07%
Rent, Lease & Insurance	11,715	3,311,226	3,363,107	2,840,701	84.47%
TOTAL FIXED OPERATING EXPENSE	5,805,088	75,358,284	88,995,364	15,760,764	17.71%
VARIABLE OPERATING EXPENSE:					
Water Treatment Chemicals	2,582,351	23,431,064	24,070,700	6,194,852	25.74%
Electricity	1,348,619	12,911,320	15,037,242	3,940,338	26.20%
Water for Resale	48,553	640,788	640,788	143,843	22.45%
TOTAL VARIABLE OPERATING EXPENSE	3,979,523	36,983,172	39,748,730	10,279,033	25.86%
NON-OPERATING INCOME:					
Investment Income (Note 2)	295,629	5,135,727	5,135,727	1,734,764	33.78%
Investment Income-Unrealized Gain/(Loss)	1,309,022	0	0	2,949,991	0.00%
Miscellaneous	129,799	0	0	187,704	0.00%
Litigation Recoveries	0	0	0	6,158	0.00%
Capital Contributions (Grants)	0	0	0	0	0.00%
TOTAL NON-OPERATING INCOME	1,734,450	5,135,727	5,135,727	4,878,617	94.99%
NON-OPERATING EXPENSES:					
Bond Issue Cost	0	0	0	0	0.00%
Interest - Acquisition Credits	185,526	2,226,307	2,226,307	556,577	25.00%
Interest - Bonds	2,614,383	31,381,443	31,381,443	7,843,148	0.00%
TOTAL NON-OPERATING EXPENSES	2,799,908	33,607,750	33,607,750	8,399,724	24.99%
Excess of Revenues over Expenditures before Capital Transactions and Reserve Funding	5,380,849	53,647,560	55,018,478	37,364,833	67.91%
OTHER EXPENDITURES:					
Principal - Acquisition Credits	667,104	8,005,250	8,005,250	2,001,313	25.00%
Principal - Bonds	3,709,083	44,509,000	44,509,000	11,127,250	25.00%
Capital Expenditures	117,103	1,133,310	2,504,227	443,649	17.72%
TOTAL OTHER EXPENDITURES	4,493,291	53,647,560	55,018,477	13,572,212	24.67%
RESERVE FUNDING:					
Renewal & Replacement Reserve Funding (Note 3)	0	0	0	0	0.00%
Rate Stabilization Funding (Note 3)	0	0	0	0	0.00%
Capital Improvement Funding (Note 3)	0	0	0	0	0.00%
Energy Fund Funding (Note 4)	0	0	0	0	0.00%
TOTAL RESERVE FUNDING	0	0	0	0	0.00%
Excess Revenue over Expenditures/(Expenditures over Revenue)	**887,558**			**23,792,621**	
Encumbrances as of 12/31/2023					**68,046,484**

Note 1 - Rate stabilization year to date actual reflects 3/12th of the approved budget transfer of $5,575,4335, plus the carried forward purchase orders of $14,705,256 and $3,068,300 of FY23 unencumbered funds carried forward into FY24, as approved by the Board.
Note 2 - Investment income actuals includes revenue earned and realized gains/losses on investments. Unrealized gains/losses are reflected separately.
Note 3 - Represents Board approved funding reflected in FY24 Budget.
Note 4 - Energy rebates received and transferred to Energy Fund.

TAMPA BAY WATER - UNIFORM RATE BASIS
Statement of Revenues and Expenditures
December 31, 2023

		From Munis Sht ACT CURRENT MONTH YTD TOTAL
OPERATING REVENUE:		
Operating Grant - SWFWMD	(-)33401	106,138.51
Water Sales - Fixed	(-)34300	37,767,608.61
Water Sales - Variable	(-)34301	9,618,968.41
Water Sales - Other	(-)34310	10,500.00
Water Sales - Tampa By-Pass Canal	(-)34330	255,106.80
Rate Stabilization (Note 1)	(-)34305	19,167,414.75
TOTAL OPERATING REVENUE		66,925,737.08
OPERATING EXPENSES:		
FIXED OPERATING EXPENSE:		
Personnel Services	41000-42995	5,003,961.81
Materials & Supplies	55100/55200/55260/55400/55500	749,655.68
Members Water Quality costs	55250	12,000.00
Legal Services	63110	70,410.61
Professional Services	63120-63410	5,308,843.38
Repairs & Other Services	64000/05/64100/64120/64320/64600-64996	1,775,190.62
Rent, Lease & Insurance	64400-64500	2,840,701.46
TOTAL FIXED OPERATING EXPENSE		15,760,763.56
VARIABLE OPERATING EXPENSE:		
Water Treatment Chemicals	55210	6,194,851.86
Electricity	64310	3,940,337.68
Water for Resale	64380	143,843.20
TOTAL VARIABLE OPERATING EXPENSE		10,279,032.74
NON-OPERATING INCOME:		
Investment Income (Note 2)	(-)36007-36192/(-)38900/(-)38902-38919	1,734,763.83
Investment Income-Unrealized Gain/(Loss)	(-)38901	2,949,990.81
Miscellaneous	(-)36200-36961	187,703.76
Litigation Recoveries	(-)36981	6,158.46
Capital Contributions (Grants)	(-)38951-38974	0.00
TOTAL NON-OPERATING INCOME		4,878,616.86
NON-OPERATING EXPENSES:		
Bond Issue Cost	77310	0.00
Interest - Acquisition Credits	77250	556,576.83
Interest - Bonds	77210	7,843,147.50
TOTAL NON-OPERATING EXPENSES		8,399,724.33
Excess of Revenues over Expenditures before Capital Transactions and Reserve Funding		37,364,833.31
OTHER EXPENDITURES:		
Principal - Acquisition Credits	87125	2,001,312.60
Principal - Bonds	87109-87119, 87140-87152	11,127,249.99
Capital Expenditures	86100-86610	443,649.30
TOTAL OTHER EXPENDITURES		13,572,211.89
RESERVE FUNDING:		
Renewal & Replacement Reserve Funding (Note 3)	82820	0.00
Rate Stabilization Funding (Note 3)	82830	0.00
Capital Improvement Funding (Note 3)	82870	0.00
Energy Fund Funding (Note 4)	82844	0.00
TOTAL RESERVE FUNDING		0.00
Excess Revenue over Expenditures/(Expenditures over Revenue)		**23,792,621**

Encumbrances as of 12/31/2023

Note 1 - Rate stabilization year to date actual reflects 3/12th of the $14,705,256 and $3,068,300 of FY23 unencumbered funds carried	Actual Revenues	71,804,353.94
Note 2 - Investment income actuals includes revenue earned and re	Actual Expenses	48,011,732.52
Note 3 - Represents Board approved funding reflected in FY24 Bu		
Note 4 - Energy rebates received and transferred to Energy Fund.		23,792,621.42

TAMPA BAY WATER - UNIFORM RATE BASIS
Statement of Revenues and Expenditures
December 31, 2023

	From Munis Sht UALS CURRENT MONTH TOTAL	From Munis Sht CURRENT MTH REVISED BDGT
OPERATING REVENUE:		
Operating Grant - SWFWMD	106,138.51	398,000
Water Sales - Fixed	12,589,202.87	151,070,434
Water Sales - Variable	3,028,645.69	36,983,172
Water Sales - Other	3,500.00	42,000
Water Sales - Tampa By-Pass Canal	38,812.80	392,000
Rate Stabilization (Note 1)	464,619.42	23,348,989
TOTAL OPERATING REVENUE	16,230,919.29	212,234,595
OPERATING EXPENSES:		
FIXED OPERATING EXPENSE:		
Personnel Services	1,727,977.47	25,377,300.00
Materials & Supplies	165,208.07	3,569,620.00
Members Water Quality costs	4,000.00	48,000.00
Legal Services	28,795.49	750,000.00
Professional Services	3,083,992.21	46,061,147.00
Repairs & Other Services	783,399.92	9,826,190.00
Rent, Lease & Insurance	11,715.30	3,363,107.00
TOTAL FIXED OPERATING EXPENSE	5,805,088.46	88,995,364.00
VARIABLE OPERATING EXPENSE:		
Water Treatment Chemicals	2,582,351.00	24,070,700.00
Electricity	1,348,619.06	15,037,242.00
Water for Resale	48,553.40	640,788.00
TOTAL VARIABLE OPERATING EXPENSE	3,979,523.46	39,748,730.00
NON-OPERATING INCOME:		
Investment Income (Note 2)	295,629.15	5,135,727.00
Investment Income-Unrealized Gain/(Loss)	1,309,021.85	0.00
Miscellaneous	129,798.88	0.00
Litigation Recoveries	0.00	0.00
Capital Contributions (Grants)	0.00	0.00
TOTAL NON-OPERATING INCOME	1,734,449.88	5,135,727.00
NON-OPERATING EXPENSES:		
Bond Issue Cost	0.00	0.00
Interest - Acquisition Credits	185,525.61	2,226,307.00
Interest - Bonds	2,614,382.50	31,381,443.00
TOTAL NON-OPERATING EXPENSES	2,799,908.11	33,607,750.00
Excess of Revenues over Expenditures before Capital Transactions and Reserve Funding	5,380,849.14	55,018,478
OTHER EXPENDITURES:		
Principal - Acquisition Credits	667,104.20	8,005,250.00
Principal - Bonds	3,709,083.33	44,509,000.00
Capital Expenditures	117,103.42	2,504,227.00
TOTAL OTHER EXPENDITURES	4,493,290.95	55,018,477.00
RESERVE FUNDING:		
Renewal & Replacement Reserve Funding (Note 3)	0.00	0.00
Rate Stabilization Funding (Note 3)	0.00	0.00
Capital Improvement Funding (Note 3)	0.00	0.00
Energy Fund Funding (Note 4)	0.00	0.00
TOTAL RESERVE FUNDING	0.00	0.00
Excess Revenue over Expenditures/(Expenditures over Revenue)	**887,558**	**1**

Encumbrances as of 12/31/2023

Note 1 - Rate stabilization year to date actual reflects 3/12th of the	17,965,369.17
$14,705,256 and $3,068,300 of FY23 unencumbered funds carried	
Note 2 - Investment income actuals includes revenue earned and re	17,077,810.98
Note 3 - Represents Board approved funding reflected in FY24 Bu	
Note 4 - Energy rebates received and transferred to Energy Fund.	887,558.19