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

BOARD AGENDA

September 18, 2023 – 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 September 15, 2023. 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, October 16, 2023 at 9:30 a.m. An Executive Committee Meeting will immediately follow the Regular Board Meeting.

ACCOMMODATIONS

Anyone requiring reasonable accommodations for this meeting as provided for in the Americans With Disabilities Act should contact the Records Department at 727-796-2355 x2401 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, SEPTEMBER 18, 2023 – 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 August 21, 2023 - Regular Meeting - Draft Agenda Minutes - *Approve*

A.2 August 21, 2023 - Executive Committee Meeting - Draft Agenda Minutes - *Receive Report*

A.3 Tampa Bay Water Performance Dashboard Update - *Receive Report*

A.4 2020 Management and Performance Audit Task Update - *Receive Report*

A.5 Legislative and Grant Funding Program Update - *Receive Report*

A.6 2023-2024 Regulatory Plan - *Approve*

A.7 2023 Long-term Master Water Plan Update: Project 09016, Shortlisting of Water Supply Concepts - *Receive Report*

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

A.9 Capital Improvement Program - Projects Closeout - *Approve*

A.10 South Hillsborough Pipeline, Project Nos.01610 and 01616, Contract No. 2022-001 Work Assignment Amendment and Increase Authorization - *Approve*

A.11 Cypress Creek Wellfield Surface Water Permit for Individual Environmental Resource Permit Program and Individual FDEP State 404 Program Permit for the Cypress Creek Wellfield Surface Water Improvements - Phase 3, Project No. 09108 - *Approve*

A.12 Surface Water Treatment Plant Expansion, Project No. 01014 Update - *Receive Report*

A.13 Mechanical/Plumbing/Fire Protection Services - Agreement 2024-701 with BAL Engineering, Inc. - Approve - *Approve*

A.14 Fiscal Year 2024 Insurance Program for Liability, Auto, Property, Workers' Compensation and Other Coverages - *Approve*

A.15 Procurement Exceptions Vendor Limits - *Approve*

A.16 Fiscal Year 2023 Carry Forward and Transfers of Encumbered and Unencumbered Funds - *Approve*

A.17 Special Counsel Current Assignments and Purchase Orders - *Approve*

REGULAR AGENDA

B. GENERAL MANAGER & GENERAL COUNSEL

B.1 General Manager's Report - *Receive Report*

C. ACTION ITEMS

C.1 Fiscal Year 2025 Agency Funding Request from Southwest Florida Water Management District Grant Funding Program - *Approve*

C.2 Tampa Bay Water Strategic Plan - 2022-2027 - Updated 2023 - *Approve*

D. PRESENTATIONS & REPORTS

D.1 Member Government Report - Hillsborough County - *Presentation*

D.2 Water Quality Update - *Presentation*

D.3 South-Central Hillsborough County Program Update - *Presentation*

D.4 Regional Water Supplies, Member Demands and Environmental Conditions - *Presentation*

E. OTHER ADMINISTRATIVE MATTERS AND OLD BUSINESS

No items to report.

F. RECEIVE & FILE

F.1 Agency Division Activity Reports for August 2023 - *Receive Report*

F.2 Legal Services Activity Report for August 2023 - *Receive Report*

F.3 Legal Services Budget Report for August 2023 - *Receive Report*

F.4 Disposition of Fixed Assets through July 2023 - *Receive Report*

F.5 Comprehensive Check List with Delegated Check Approval Items for July 2023 - *Receive Report*

F.6 Management Statistic Report with Aged Accounts Receivable as of July 31, 2023 - *Receive Report*

F.7 Vendor's Status Reports for July 2023 - *Receive Report*

F.8 Financial Statement - July 2023 - *Receive Report*

F.9 Potential True Up of Fixed Costs between Member Governments for July 2023 - *Receive Report*

F.10 Investment Schedule for July 2023 - *Receive Report*

ADJOURNMENT

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.1

DATE: September 1, 2023

TO: Board of Directors

FROM: Charles H. Carden, General Manager

SUBJECT: August 21, 2023 - Regular Meeting - Draft Agenda Minutes - *Approve*

SUMMARY

On August 21, 2023, 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)

August 2023 Meeting Minutes - DRAFT

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.1

Tampa Bay Water

Regular Meeting

August 21, 2023 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
Councilman Charlie Miranda, City of Tampa
Commissioner Kathleen Peters, Pinellas County
Commissioner Seth Weightman, Pasco County
Commissioner Joshua Wostal, Hillsborough County

Staff: Chuck Carden, General Manager

Presenters: Chuck Carden, General Manager
Justin Fox, Engineering & Construction Senior Manager
Warren Hogg, Chief Science
Danielle Keirsey, Project Manager III
Tommy Brown, Continuous Improvement Director
Amanda Schwerman, Black & Veatch
Michelle Robinson, Dialogue PR

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.

Chairman Oakley called the meeting to order at 9:30 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. All Board Member were 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.
Mark Klutho

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

AGENDA

A) CONSENT ITEMS

A.1 July 17, 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 Legislative and Grant Funding Program Update
Receive Status Report.

A.5 K2i Program Renewal
Approve renewal of program participation and subscription.

A.6 2023 Agency Compensation Study
Approve

A.7 Regional Water Supplies, Member Demands and Environmental Conditions
Receive Status Report.

A.8 Water Quality Update
Receive Status Report.

A.9 Tampa Bay Water Fiscal Year 2024 Employee Insurance Program
Approve all lines of coverage for the agency's Employee Insurance Program for Fiscal Year 2024, not to exceed the budgeted amounts.

A.10 Capital Improvements Program - Task Order Authorization
Approve Task Orders

A.11 Capital Improvements Program Executive Quarterly Report
Receive Fiscal Year 2023 Third Quarter Capital Improvements Program Executive Report.

A.12 Tampa Bay Desalination Facility Intake Connection Improvements-Phase 2, Project No. 07033 - Temporary Construction Easement and Seventh Amendment to the Pick-up Easement Agreement with Tampa Electric Company
Delegate authority to the General Manager to execute the Temporary Construction Easement and Seventh Amendment modifying the legal description of the permanent non-exclusive Pick-up Easement area and obtain a Temporary Construction Easement from Tampa Electric Company. The easement agreements being in substantially the form attached hereto.

A.13 Surface Water Treatment Plant Expansion, Project No. 01014 Update
Receive Report.

A.14 Liquid Oxygen Supply Services, Contract No. 2021-008 with Matheson Tri-Gas, Inc. - Price Escalation and Option Year Three
Approve Third Amendment to Contract No. 2021-008 with Matheson Tri-Gas, Inc. to include increase to the unit price shown below and to exercise renewal option year three.

A.15 Sodium Bisulfite Services, Contract No. 2021-009 with Thatcher Chemical of Florida, Inc. - Price Escalation and Option Year Three
Approve Third Amendment to Contract No. 2021-009 with Thatcher Chemical of Florida, Inc. to include increase to the unit price shown below and to exercise renewal option year three.

A.16 Calcium Hydroxide Supply Services, Contract No. 2021-011 with Lhoist North America of Alabama, LLC - Price Escalation and Option Year Three

Approve Third Amendment to Contract No. 2021-011 with Lhoist North America of Alabama, LLC to include increase to the unit price shown below and to exercise renewal option year three.

A.17 Liquid Carbon Dioxide Supply Services, Contract No. 2022-012 with Airgas USA, LLC - Price Escalation and Option Year Two
Approve Second Amendment to Contract No. 2022-012 with Airgas USA, LLC to include increase to the unit price shown below and to exercise renewal option year two.

A.18 Ferric Chloride Supply Services, Contract No. 2022-013 with PVS Technologies, Inc. - Price Escalation and Option Year Two
Approve Second Amendment to Contract No. 2022-013 with PVS Technologies, Inc. to include increase to the unit price shown below and to exercise renewal option year two.

A.19 Sulfuric Acid Supply Services, Contract No. 2022-014 with Sulphuric Acid Trading Company, Inc. - Price De-Escalation and Option Year Two
Approve Second Amendment to Contract No. 2022-014 with Sulphuric Acid Trading Company, Inc. to include a decrease to the unit price shown in the table below and to exercise renewal option year two.

A.20 Sodium Hypochlorite Services, Contract No. 2022-016 with Odyssey Manufacturing Co. - Price Escalation and Option Year Two
Approve Second Amendment to Contract No. 2022-016 with Odyssey Manufacturing Co. to include increase to the unit price shown in the table below and to exercise renewal option year two.

A.21 Ferric Sulfate Services, Contract No. 2023-017 with Thatcher Chemical of Florida, Inc. - Price De-Escalation and Option Year One
Approve First Amendment to Contract No. 2023-017 with Thatcher Chemical of Florida, Inc. to include decrease to the unit price shown in the table below and to exercise renewal option year one.

A.22 Quicklime Supply Services, Contract No. 2023-018 with Carmeuse Lime & Stone, Inc. - Price Escalation and Option Year One
Approve First Amendment to Contract No. 2023-018 with Carmeuse Lime & Stone, Inc. to include increase to the unit price shown in the table below and to exercise renewal option year one.

A.23 Polymer Supply Services, Contract No. 2024-005 to the sole, responsive, responsible Bidder
Approve Contract No. 2024-005 to the sole, responsive, responsible bidder, Polydyne Inc.

A.24 Sodium Hydroxide Supply Services, Contract No. 2024-006 to the lowest, responsive, responsible Bidder
Approve Contract No. 2024-006 to the lowest, responsive, responsible bidder, Allied Universal Corp.

A.25 Fire Alarm, Life Safety & Fire Suppression System Services, Contract No. 2023-020 with Piper Fire Protection, LLC - Price Escalation, corporate status change and Option Year One
Approve First Amendment to Contract No. 2023-020 with Piper Fire Protection, LLC to include cost increase, corporate status change and to exercise renewal option year one.

A.26 Painting Services, Contract No. 2023-015 with JAM 520 Construction LLC - Price Escalation, Contract Total Value Increase and Option Year One
Approve First Amendment to Contract No. 2023-015 with JAM 520 Construction LLC to include price increase, contract total value increase and to exercise renewal option year one.

A.27 Cypress Creek Water Treatment Plant 72-Inch Valve, Project No. 50073 - Professional Engineering Services for Design, Permitting, and Bidding services, Contract No. 2023-026
Approve negotiated contract with top-ranked firm, Jacobs Engineering Group, Inc., for the Cypress Creek Water Treatment Plant 72-Inch Valve, Project No. 50073, under Contract No. 2023-026 in the amount of $836,348.

A.28 Cypress Creek Water Treatment Plant 72-Inch Valve, Project No. 50073 - Construction Manager at Risk (CMAR) for pre-construction services during the design phase under Contract No. 2023-029
Approve negotiated contract with top-ranked firm, PCL Construction, Inc., for the Cypress Creek Water Treatment Plant 72-Inch Valve, Project No. 50073, under Contract No. 2023-029 in the amount of $147,958.

A.29 Fiscal Year 2024 U.S. Geological Survey Joint Funding Agreement for Hydrologic Monitoring Services
Approve the Fiscal Year 2024 Joint Funding Agreement with the U.S. Geological Survey for Hydrologic Monitoring Services in the amount of $134,900.

A.30 Second Amendment to the Surplus Water Agreement with the City of Tampa
Approve the Second Amendment to the Surplus Water Agreement with the City of Tampa.

A.31 Contract Renewals
Approve contract renewals.

A.32 General Manager's Quarterly Travel Report
Approve Report.

Motion: Councilman Miranda moved to Approve CONSENT ITEMS. Vice Chairman Cohen seconded the motion.

Vote: The motion CARRIED by a vote of 9 - 0.

REGULAR AGENDA

B) GENERAL MANAGER & GENERAL COUNSEL

B.1 General Manager's Report
Receive Status Report.

Chuck Carden, General Manager, provided an update on current agency operations. The agency's total average delivery from October 2022 through July 2023 was 201.62 million gallons per day (mgd). The Consolidated Wellfield Permit had a 12-month running average of 86.70 mgd, and the South-Central Hillsborough Regional Wellfield 12-month average was approximately 26.36 mgd. The Surface Water Treatment Plant averaged 67.56 mgd in July, the regional reservoir is currently at 11.37 billion gallons, and the Hillsborough and Alafia rivers are experiencing above-average flow conditions. Mr. Carden stated the agency's revenue received through July was $169,091,387 (versus $140,437,213 expended).

Mr. Carden announced he will be speaking before each member government commission and council in the coming months to provide the short-list of projects from the 2023 Long-term Master Water Plan. The presentations are scheduled for late August to early October. An inaugural meeting of the regional water authorities is being planned in mid-September to discuss similar issues and areas where Tampa Bay Water can be of assistance. The bi-annual meeting locations will rotate amongst the various organizations. Tampa Bay Water and Hillsborough County continue to work together to convert a test well from the South Hillsborough Wellfield feasibility study to a production well which can bring up to 2.3 mgd to that fast-growing area. Tampa Bay Water recently received a letter from Hillsborough County requesting some changes to the treatment options and location of treatment. Staff are working together to get the well online and possibly add additional wells. Next, Mr. Carden updated the Board on recent agency outreach activities.

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 High Service Pump Station Chemical Piping Replacement, Project No. 50049 - Award Construction Contract No. 2023-028
Approve Contract No. 2023-028 to the lowest responsive, responsible bidder, PCL Construction, Inc., in the amount of $1,504,600.00 inclusive of $125,100 of Owner's Allowance and indemnification for construction of Project No. 50049.

Justin Fox, Engineering & Construction Senior Manager, provided a presentation on the High Service Pump Station Chemical Piping Replacement, Project No. 50049 - Award Construction Contract. Mr. Fox stated the High Service Pump Station chemical system can add chemicals to adjust the water quality received from the Desalination Plant and Surface Water Treatment Plant. He stated the project replaces the existing chemical feed pumps, piping, and tanks in the chemical system by providing sodium hypochlorite (NaOCl) for free chlorine disinfection, and ammonium hydroxide (NH_3) to form chloramines in the chlorinated stream.

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

Motion: Commissioner Eggers moved to Approve award of Construction Contract No. 2023-028 to PCL Construction, Inc. Council Member Hanewicz seconded the motion.

Vote: The motion CARRIED by a vote of 9 - 0.

C.2 Tampa Bay Water Wise Program Update and Inspection Services for Rebated Toilets, Urinals, Showerheads and Faucet Aerators, Contract No. 2024-004 with Mainzer Management, Inc.
Receive status update presentation on the Tampa Bay Water Wise program and approve Contract No. 2024-004 with the lowest responsive responsible bidder, Mainzer Management, Inc., d/b/a Techstaff, in the amount of $185,800.00. This contract includes a $5,000 Owner's Allowance for other similar inspection services that may be issued separately via task order.

Warren Hogg, Chief Science Officer, provided an update presentation on the Tampa Bay Water Wise Program and a new Inspection Services Contract for Rebated Toilets, Urinals, Showerheads and Faucet Aerators. Mr. Hogg stated the program offers water saving rebates to homeowners, multi-family building owners and non-residential building owners and could save up to 3.8 mgd of water by 2030. Mr. Hogg stated an important component of the rebate program is the inspection of the devices to make sure the replaced and new fixtures comply with the program requirements and save water. Currently, the agency has a contractor who performs these inspections; however, its contract expires at the end of this fiscal year. The incumbent contractor, Mainzer Management, submitted the only response to the request to bid. Staff analyzed the details of its bid and found it to be responsive and cost effective. A new two-year contract was developed for the inspection services with two, one-year renewal options. Staff recommends approval of the contract to Mainzer Management, Inc. d/b/a Techstaff.

Commissioner Weightman asked if it would be possible to expand the program into all types of multi-family rental properties, not just multi-story apartment buildings. Mr. Hogg responded yes. The agency consultant has reached out to multi-family communities in Hillsborough County and will soon reach out to property managers in both Pinellas and Pasco counties. The consultant will be accompanied by a contractor to answer question about the program and will incorporate all styles of multi-family communities into our outreach. Commissioner Wostal asked the agency to look for ways to support legislative changes in the upcoming session to reduce homeowner association rules that require use of high-water St. Augustine grass on lawns.

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

Motion: Council Member Hanewicz moved to Approve award of Inspection Services for Rebated Toilets, Urinals, Showerheads and Faucet Aerators Contract No. 2024-004 to Mainzer Management, Inc., d/b/a Techstaff. Vice Chairman Cohen seconded the motion.

Vote: The motion CARRIED by a vote of 9 - 0.

C.3 Florida Friendly Landscaping Program - One-year Funding Agreements with Hillsborough, Pasco, and Pinellas Counties
Approve Funding Agreements No. 2024-001, No. 2024-002, and No. 2024-003 with Hillsborough, Pasco, and Pinellas Counties, respectively, at a total cost of $559,668.

Warren Hogg, Chief Science Officer, provided an update presentation on the Florida-Friendly Landscaping Program - One-year Funding Agreements with Hillsborough, Pasco, and Pinellas Counties. Mr. Hogg explained the program is a great way to work with homeowners and property managers to encourage Florida-Friendly landscaping principles and outdoor water conservation as well as helping to improve water quality. Next, Mr. Hogg reviewed the 2022 program highlights and benefits.

Commissioner Wostal asked what is being evaluated with homeowners' associations. Mr. Hogg stated they can look at the efficiency of the irrigation system and the landscaping in place and offer advice if they are looking to make changes. The program agents help them understand which plants are more Florida-friendly which require less water and less fertilizer. The agents can discuss which herbicides and fertilizers to use and the quantity. The agency can educate, but it is up to the homeowner's associations to take the step to provide the information to their landscape contractors.

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

Motion: Commissioner Eggers moved to Approve Florida-Friendly Landscaping Program - One-year Funding Agreements No. 2024-001, No. 2024-002, and No. 2024-003 with Hillsborough, Pasco, and Pinellas Counties, respectively. Councilman Miranda seconded the motion.

Vote: The motion CARRIED by a vote of 9 - 0.

D) PRESENTATIONS & REPORTS

D.1 2023 Long-term Master Water Plan Update: Project 09016, Shortlisting of Water Supply Concepts
Receive Presentation.

Danielle Keirsey, Project Manager III, Amanda Schwerman, Black & Veatch, and Michelle Robinson, Dialogue Public Relations, provided a presentation on the 2023 Long-term Master Water Plan Update: Project 09016, Shortlisting of Water Supply Concepts. Ms. Keirsey stated the Long-term Master Water Plan is one piece of the process in implementing the next water supply source for the region. She reviewed the water supply expansion process and an update on the agency's progress. She turned the presentation over to Amanda Schwerman.

Ms. Schwerman reviewed the projected water supply needs through 2043 noting the trigger for expansion is when the demands exceed 75% of the Authority's aggregate permitted capacity which could be as early as 2033. Approximately 25 million gallons per day (mgd) will be needed over the next 20-year planning horizon which would allow Tampa Bay Water to build future water supply to be in line with the growing demand projections. Ms. Schwerman reviewed the short list's screening evaluation criteria, concepts, and provided details on each of the seven short-list projects. The next step is to enter into the feasibility study phase, where a more detailed technical and economic analysis will be completed to increase the level of certainty regarding yield, water quality and costs, and determine if there are any roadblocks that may remove the project from consideration. The feasibility phase, which is anticipated to take two years to complete, will begin at the completion and approval of the Long-term Master Water Plan. After the feasibility studies are completed, the viable projects enter the Water Supply Selection process. Ms. Schwerman stated the first step will be to create several configurations of multiple projects that can meet the water supply requirements.

The agency will also be evaluating potential potable reuse projects for future consideration as Developmental Alternatives. Developmental Alternatives are projects that require longer feasibility studies, additional investigation or need time for regulations to be implemented. The process will yield a short list of potable reuse projects for more detailed analysis. Ms. Schwerman turned the presentation over to Michelle Robinson.

Ms. Robinson reviewed the public engagement process noting staff have already received good input from a variety of stakeholders. All of the input will be documented in the Long-term Master Water Plan. She gave a brief synopsis of input received to date, and stated Tampa Bay residents have a strong environmental ethic and expressed concern about any activity that could harm the aquifer, lakes, wetlands, rivers or springs. She turned the presentation back to Ms. Keirsey. Ms. Keirsey reviewed next steps in the process stating the next Long-term Master Water Plan update needs to be approved by 2028. Staff will provide an update to the Board in October and bring the 2023 Long-term Master Water Plan and proposed short list of projects back to the Board in November for consideration and approval.

Vice Chairman Cohen asked how Option B (Consolidated Water Use Permit) is considered a viable option. Ms. Schwerman explained that the team looks at environmental factors, cost and reliability. The feasibility study will start with groundwater modeling to see if more water can be withdrawn without impacting the environment. Continuing environmental monitoring is important to make sure that there are no impacts. She said this option could also be phased, so incremental increases can be monitored to ensure environmental recovery is sustained.

Vice Chairman Cohen asked if it is feasible to increase the Consolidated Water Use Permit. Mr. Hogg stated staff presented the idea to the member governments and received their feedback. The District has deemed the northern Tampa Bay area to have recovered, however, their regulations do not allow any impacts to the aquifer or environmental features. The agency has been in discussions with the District on how to evaluate this potential increase in a feasibility study. The agency continues to collect groundwater and environmental monitoring data to make sure we maintain the recovery achieved and determine if any additional quantity can be withdrawn from the existing wellfields without causing any impact to the environment. Mr. Carden stated, unlike in the past, the system is now interconnected, and the agency rotates production among the ten wellfields, providing more flexibility and diversity than we did in the past.

Commissioner Eggers asked if we are looking at closer to 20 mgd through the 2033 project. Ms. Schwerman responded that the decision can be made by the Board as part of the water supply selection process. It could be 10 mgd, but up to 20 mgd depending on population projections at the time; 10-20 mgd is recommended to provide flexibility. Mr. Carden stated 25 mgd is needed by 2043 with a minimum of 10 mgd by 2033. Commissioner Eggers suggested starting to talk about 15 mgd by 2033. Commissioner Eggers asked how many millions of gallons were pumped years ago in the Pasco County area that caused the water crisis and how it relates to Option A (Eastern Pasco Wellfield). Mr. Hogg explained there were 11 wellfields that were ultimately combined into the Consolidated Permit. The highest annual pumping rate from those 11 wellfields was 160 mgd which included Pasco, Northwest and North Hillsborough County, and Northeast Pinellas County and the average pumping rate has now been reduced to a limit of 90 mgd. The Cypress Creek Wellfield, in Pasco County, ran at 30 mgd every day for years. It is now averaging 12 mgd or 13 mgd. The Cross Bar Ranch Wellfield ran at 25-28 mgd per day and is now running at about 12 mgd. The Starkey Wellfield was running at 15 mgd and now it is running at 5.5mgd. The scale of reduction and recovery in Pasco County has been tremendous.

Council Member Hanewicz asked how growth in Florida is being addressed. Ms. Schwerman explained Tampa Bay Water looks at growth on a yearly basis utilizing population growth externally as well as with the member governments to ensure it is gathering all of the necessary information. A population growth report and demand management projections are generated yearly in December. Ms. Schwerman stated the decision on how large the next expansion is impacts when the subsequent expansion will occur. If you only build 10 mgd by 2033, the next supply (based on this current population), would need to be in 2038. If you build 20 mgd, the next expansion would need to occur by 2043.

Council Member Hanewicz asked how you forecast project costs and how do you time them. Ms. Schwerman stated cost estimates are projected through the mid-year of construction and taking into account the current interest rates and including escalations. We are expanding all of that information including interest rate and growth through that mid-year of construction and to make sure we are gathering all of the information.

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 South-Central Hillsborough County Program Update
Receive Status Report and Presentation.

Warren Hogg, Chief Science Officer, provided an update presentation on the South-Central Hillsborough County Program. Mr. Hogg provided a status update on the Brandon Booster Pump Station which should be on-line this year and deliver up to 2 million gallons per day (mgd) of additional regional water to the service area. Mr. Hogg stated the Water Use Permit application for the new South Hillsborough production well is almost complete and should be issued by October 2023. The new well will be permitted for an average withdrawal of 2.3 mgd using an agreement with Hillsborough County for short-term use of aquifer recharge credits. The South-Central Hillsborough Regional Wellfield Water Use Permit has already been increased by 0.85 mgd until the new pipeline is completed. Agency staff, county staff and Florida Friendly Landscape agents meet quarterly to coordinate demand management activities in this service area. The Tampa Bay Water Wise program currently has three multi-family projects in south Hillsborough County that have all gone through pre-inspection. The County has been promoting watering restrictions, rain sensor requirements and Tampa Bay

Water Wise rebates directly to customers. Mr. Hogg stated that demands in South Hillsborough County have been steadily increasing over the past several years. The average 12-month demand in this service area was 56.6 mgd through July 2023; an increase of about 5 mgd during the past 12 months. Tampa Bay Water continues to deliver the maximum flow from the regional system through the temporary pumps at the Brandon Booster Station. The County has been able to sustain their increased delivery at the Central Point of Connection from 10 mgd to 13-14 mgd over the past two months. Sustained water delivery at this higher rate will help to bring down the wellfield pumping rate. The agency will continue discussions with the County on maximizing their delivery of water at the Central Point of Connection, potential additional water supply wells, and all other water supply and infrastructure options.

Commissioner Eggers asked if the permanent pumps at the Brandon Booster Station will deliver an additional 2 mgd on top of the 5 mgd from the temporary pumps to total an additional 7 mgd. Mr. Hogg responded once the permanent booster station is operational, we expect to deliver up to 2 mgd of additional water above the 5 mgd the temporary pumps have been delivering. Only when it is fully operational will we know the new delivery rate, but it will be up to a total of 7 mgd of additional regional water flow. Commissioner Eggers asked about the new south Hillsborough production well and how we could increase the quantity from 2.3 mgd to 6 mgd for a full wellfield. Mr. Hogg stated that in the feasibility study of 2021, groundwater modeling showed that if Hillsborough County recharges the aquifer with an average of 10 mgd, Tampa Bay Water could withdraw about 6.3 million gallons of water from a new wellfield on the AgMart property. The 2.3 mgd average quantity that we are permitting now for the single production well would be included in that wellfield total of 6.3 mgd. We can convert the existing Water Use Permit quantities on the Ag-Mart property and acquire other nearby permit quantities as they retire, potentially increasing the total quantity from a new wellfield to 8 or 9 mgd over time.

Commissioner Wostal asked with the new booster station coming online, does Hillsborough County need its proposed new water plant at the AgMart site to facilitate the water needs of its current residents. Lisa Rhea, Hillsborough County Director of Water Resources, stated it is still needed to bring more water into one location so that it can be blended since the water supplies are coming from multiple sources, to make sure the County is removing hydrogen sulfide from the new production well or wellfield and to allow the County to provide a sustained pressure going out into the distribution system. The new pipeline being built in southern Hillsborough County will end at the Ag-Mart property. The County will need the facility in order to take the water and blend it for use within their distribution system. Otherwise, it would be difficult to connect a water transmission pipeline to the County's distribution system; this could cause substantial issues within the distribution system. The agency is always planning for both the average and the maximum flow rates to meet the long-term and instantaneous demands. We also have to increase the average supply capacity because the growth in this service area has been so high that we have been pumping the South-Central Hillsborough Wellfield in excess of its permitted quantity for more than a year. Ms. Rhea added irrigation causes water pressure declines in the morning, but not it is not as bad as a few years ago. Chairman Oakley asked if the pipe can go both ways and is designed to flow either direction for additional redundancy. Mr. Hogg responded that is correct.

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

No Board action was required on this item.

D.3 Agency Strategic Plan Update
Receive the report.

Tommy Brown, Continuous Improvement Director, provided an update presentation on the Agency Strategic Plan. Mr. Brown stated the Plan is a critical component of the Agency's Continuous Improvement framework. It is used to energize staff and provide direction for future actions by focusing on the areas of change needed to complete our objectives and attain our goals. Mr. Brown reviewed the Strategic Plan structure and the annual review and process status noting that, overall, staff are ahead of schedule. Next, Mr. Brown reviewed proposed Plan changes.

Comm. Eggers asked about one of the areas described as being behind. Mr. Brown stated the agency is not behind in securing the agency's cyber assets and physical assets but the agency may be behind in developing specific tactics to enhance that area.

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

No Board action was required on this item.

E) OTHER ADMINISTRATIVE MATTERS AND OLD BUSINESS

There were no items listed for discussion.

F) RECEIVE & FILE

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

F.2 Legal Services Activity Report for July 2023
Receive and File.

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

F.4 Vendor's Status Reports for June 2023
Receive and File.

F.5 Disposition of Fixed Assets through June 2023
Receive and File.

F.6 Comprehensive Check List with Delegated Check Approval Items for June 2023
Receive and File.

F.7 Investment Schedule for June 2023
Receive and File.

F.8 Management Statistic Report with Aged Accounts Receivable as of June 30, 2023
Receive and File.

F.9 Potential True Up of Fixed Costs between Member Governments for June 2023
Receive and File.

F.10 Financial Statement - June 2023
Receive and File.

Motion: Councilman Miranda moved to Approve RECEIVE & FILE. Council Member Hanewicz seconded the motion.

Vote: The motion CARRIED by a vote of 9 - 0.

ADJOURNMENT

The meeting adjourned at 11:16 a.m.

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

Date: ______________________________

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.2

DATE: September 1, 2023

TO: Board of Directors

FROM: Charles H. Carden, General Manager

SUBJECT: August 21, 2023 - Executive Committee Meeting - Draft Agenda Minutes - *Receive Report*

SUMMARY

On August 21, 2023, Tampa Bay Water's Executive Committee held its Regular Meeting. A quorum of the Executive Committee of Tampa Bay Water met in person at the Clearwater Administrative Offices.

SUGGESTED ACTION

Receive Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

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

Attachment (1)

August Executive Comm 2023 Meeting Minutes - DRAFT

AGENDA ITEM A.1

Tampa Bay Water

Executive Committee Meeting

August 21, 2023 Minutes

11:30 AM - CALL TO ORDER

Present: Chairman - Commissioner Ron Oakley, Pasco County
Vice Chairman – Commissioner Harry Cohen, Hillsborough County
Commissioner Dave Eggers, Pinellas County
Council Member Lisset Hanewicz, City of St. Petersburg

Staff: Chuck Carden, General Manager

General Counsel: Barrie Buenaventura, General Counsel

Chairman Oakley called the meeting to order at 11:28 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

PUBLIC COMMENT - (3 Minutes per speaker)

Chairman Oakley opened the Executive Committee meeting to public comment. There were no public comments.

A) AGENDA

A.1 General Counsel Services Selection (RFP # 2024-002) - Pre-Scoring Discussion - *Discussion*

Mr. Carden stated each Executive Committee member was provided with a Selection Committee booklet which included the written submittals by each proposer. The Executive Committee briefly discussed the selection process going forward.

Ms. Buenaventura addressed Sunshine Law and conflict of interest matters.

At the request of committee members, agency staff will ask member governments if the proposers are currently representing them and provide that information to the Executive Committee.

The Executive Committee will reconvene following the September 18, 2023, Regular Board meeting to discuss the submittals and select proposers for interviews.

ADJOURNMENT

The meeting adjourned at 11:49 a.m.

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

Date: ______________________________________

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.3

DATE: September 4, 2023

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 2022 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

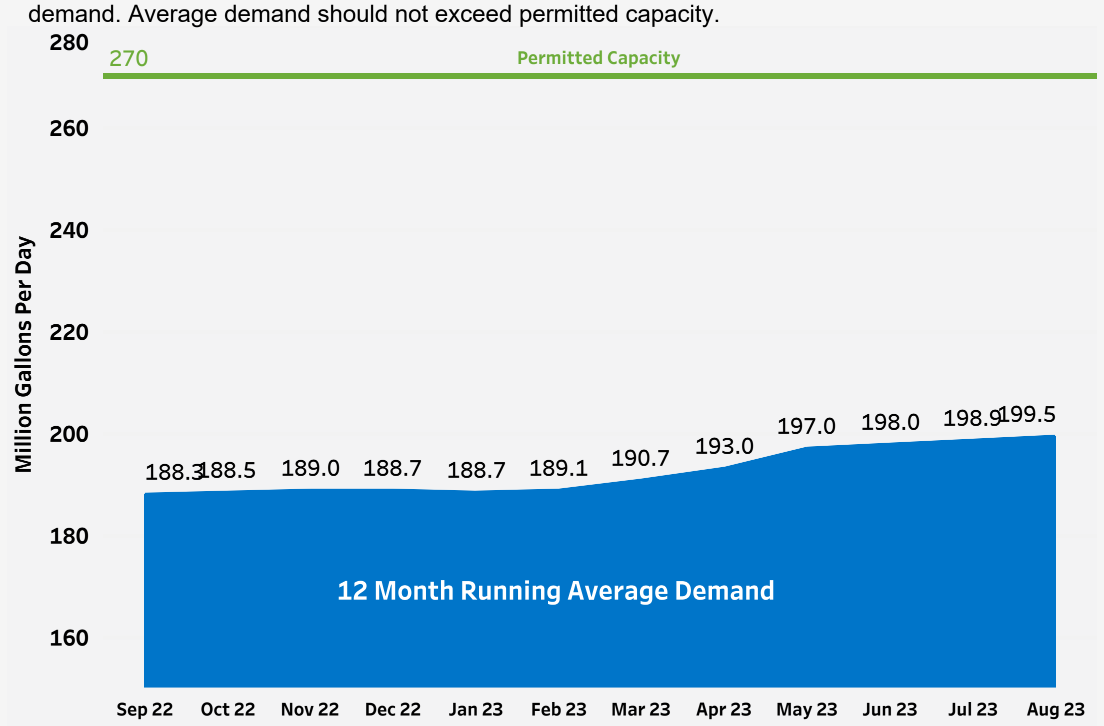
Tampa Bay Water strives to continually improve and become more efficient in operating and maintaining the water supply system and planning for the region's future drinking water needs. In 2022, the Agency's Board of Directors approved the current Strategic Plan. The Agency assigned new key performance 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 2022 update to the strategic plan.

Tampa Bay Water Overall Performance Dashboard September 2023.pdf

Tampa Bay Water Overall Performance Dashboard

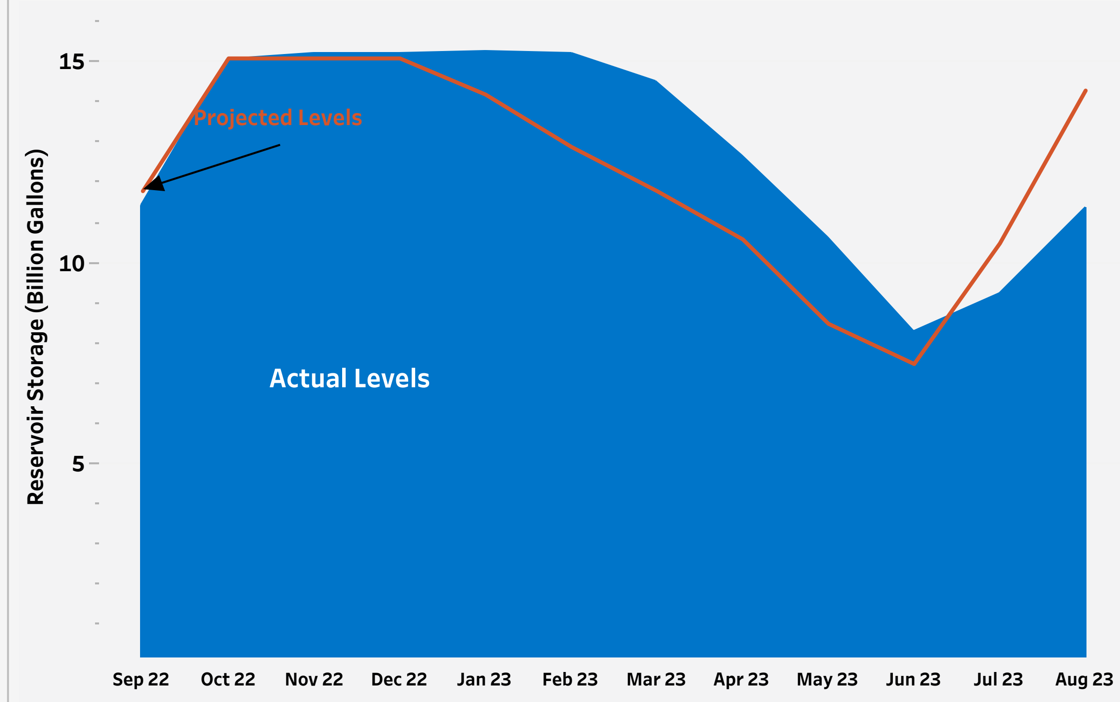
Available Capacity

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.



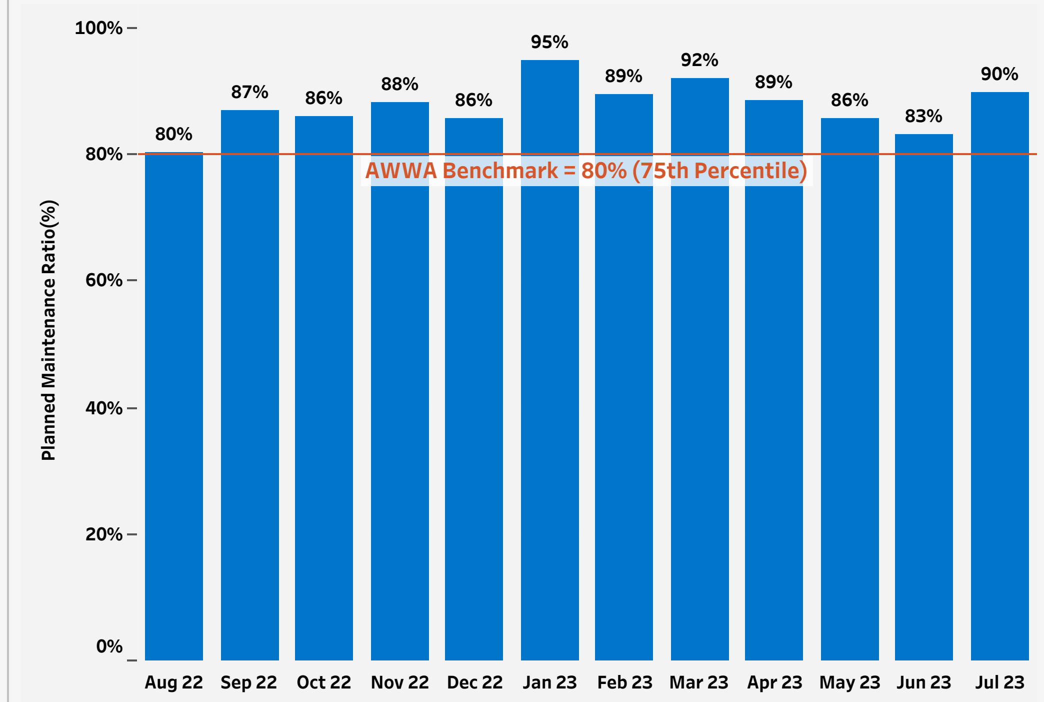
Meeting Projected Reservoir Storage Volume

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



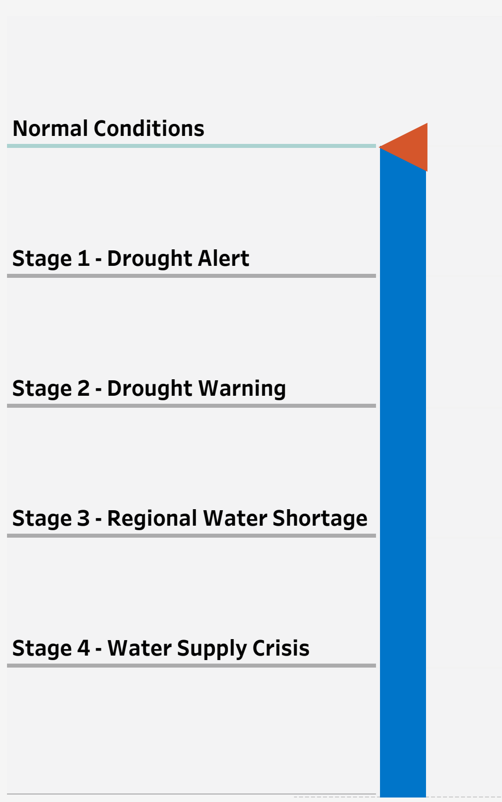
Planned Maintenance Time

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

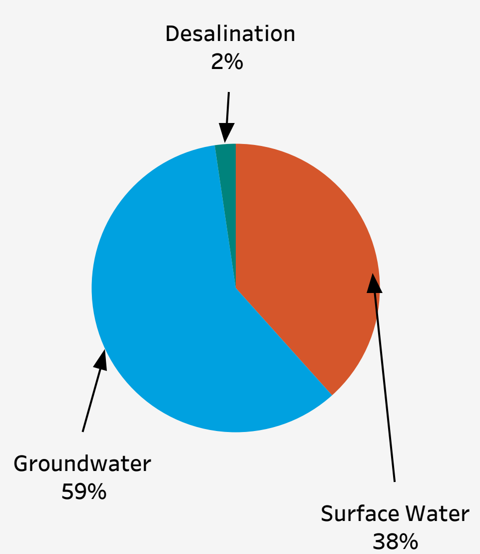
This chart highlights the current stage of Water Shortage Mitigation Plan of Tampa Bay Water.



Water Sources / Water Use Permits / Water Quality

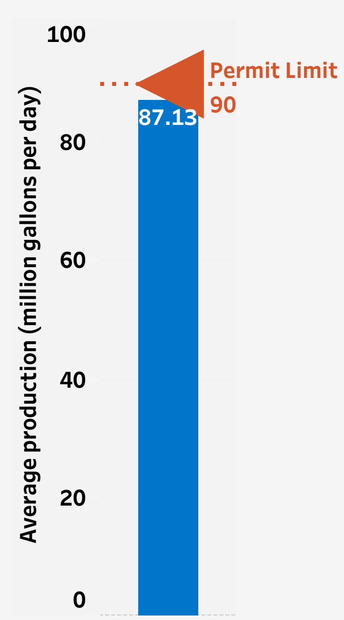
Total Production by Sources Fiscal Year To Date

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



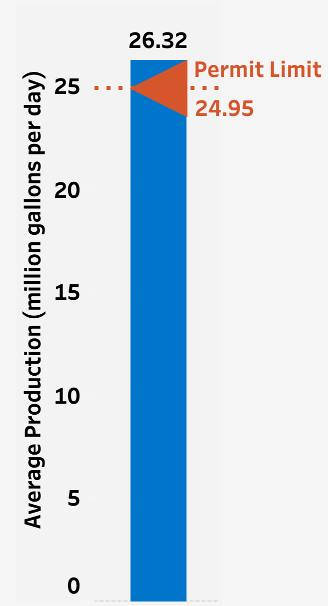
Consolidated Water Use Permit

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



South-Central Hillsborough Wellfield Permit

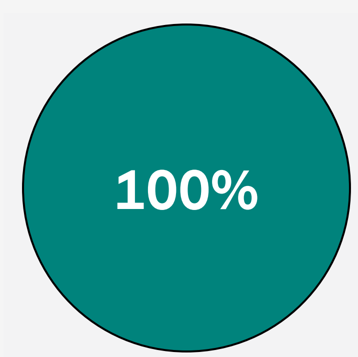
This indicator provides the 12-month running average for groundwater pumping rate for the South-Central Hillsborough Wellfield against its approved pumping limit.



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.

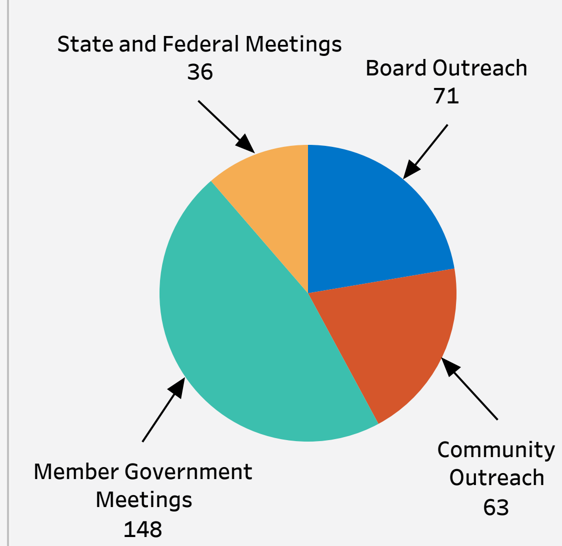
AWWA Benchmark: **100%**



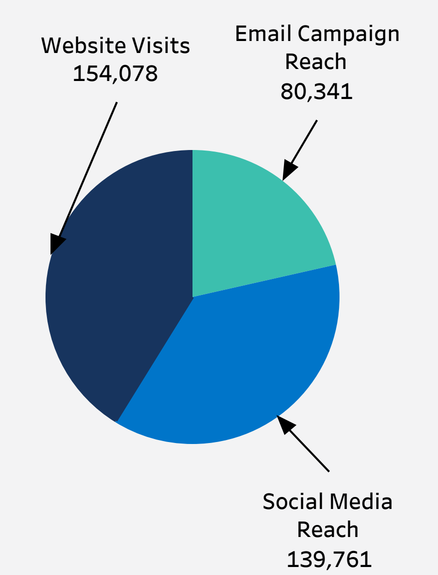
Stakeholder Outreach Fiscal Year To Date

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

Engagement and Outreach



Digital Reach

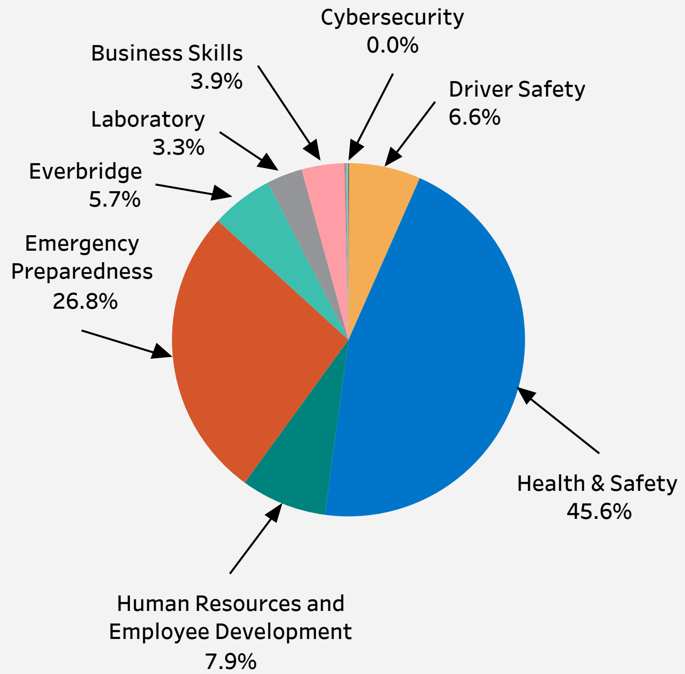


American Water Works Association (AWWA) benchmarks are based on results from participating utilities in the 2022 Utility Benchmarking Study. Participating utilities include retail entities with factors not relevant to wholesale utilities like Tampa Bay Water. **[Dashboard Updated September 7, 20..**

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).

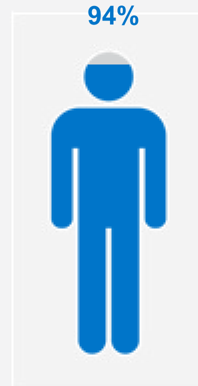


Optimized Staffing Levels

Current Filled Positions

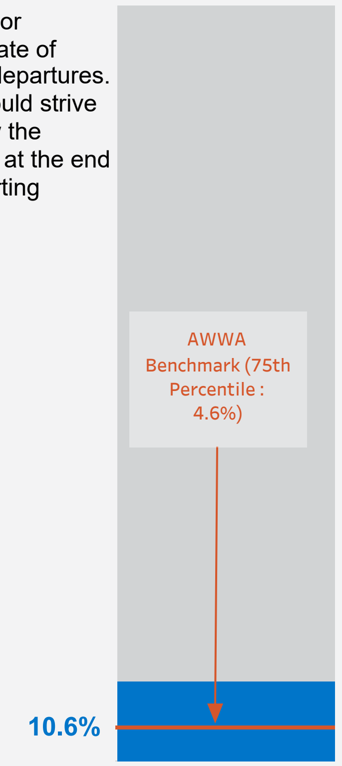
This indicator provides a measure of filled, full-time positions shown as a percentage of total positions for the fiscal year to date.

Current Filled Positions (FTE)	Current Staff Level(FTE)
150	160



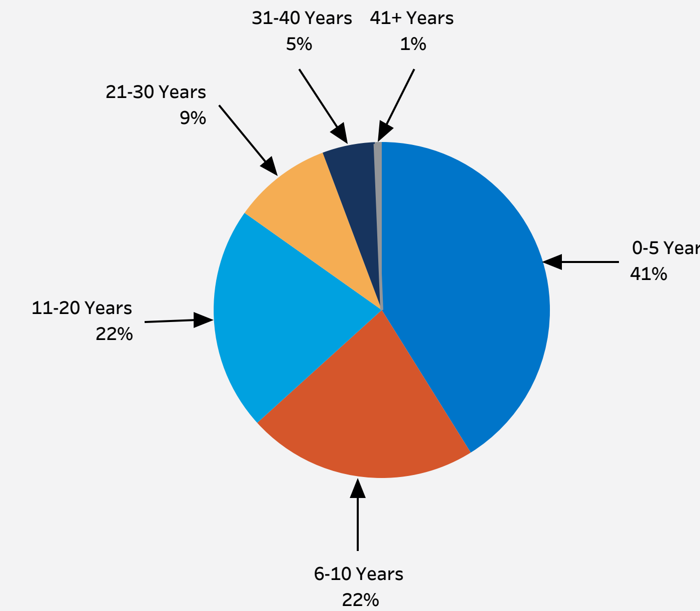
Employee Turnover Fiscal Year To Date

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

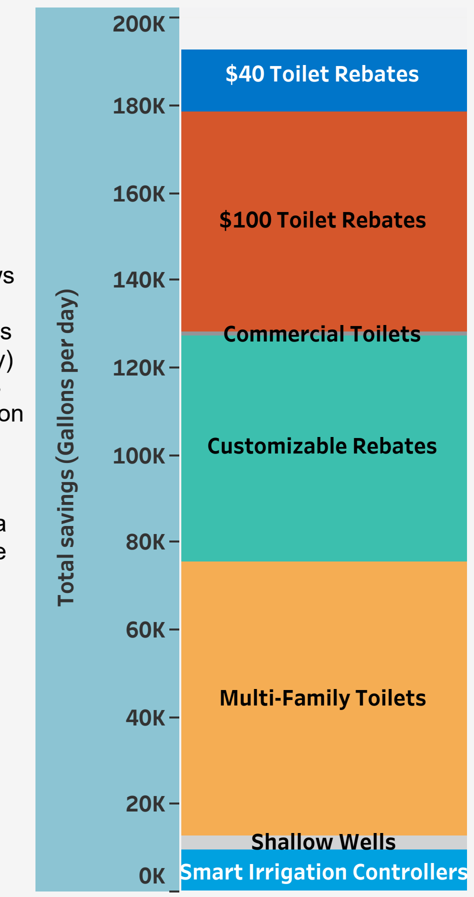
This chart shows relative distribution (percentage) of number of employees based on their total years of experience across all departments for fiscal year to date (Source: Munis).



Tampa Bay Water Wise Program Savings

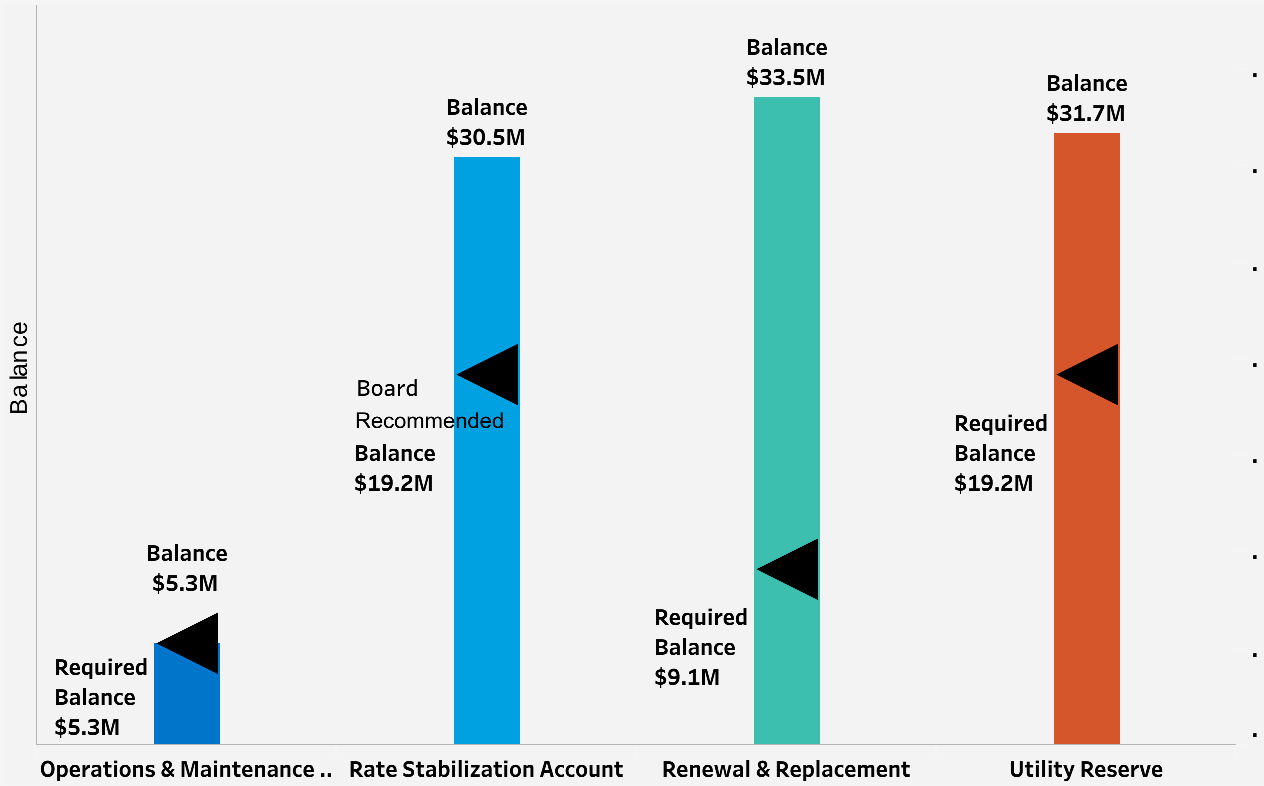
This chart shows the rebate program savings (gallons per day) for all programs since its inception on March 30, 2020.

(Source: Tampa Bay Water Wise Dashboard)



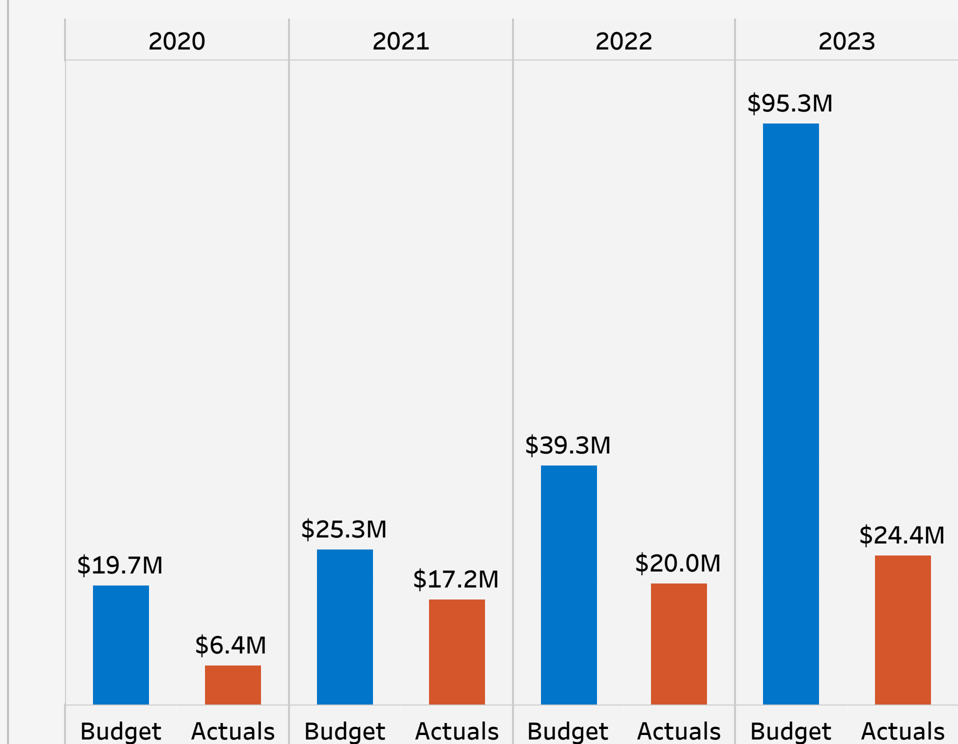
Reserve Funds Balance

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 July 2023).



Capital Improvement Program

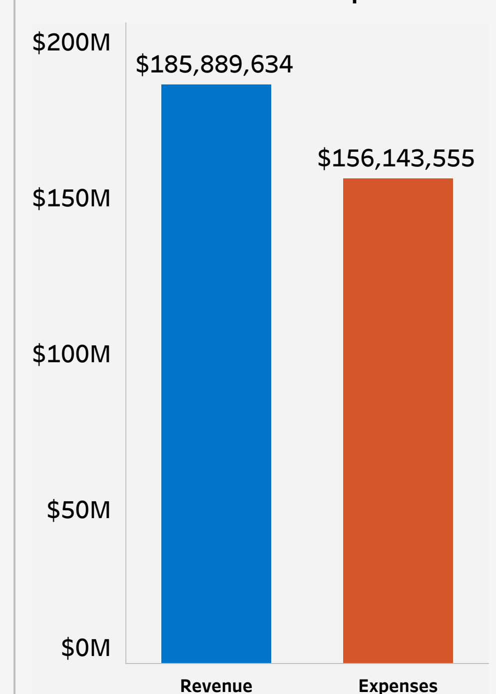
This chart shows the approved budget of the Capital Improvement Program against actual expenditures over fiscal years including fiscal year to date (Source: Masterworks/Munis).



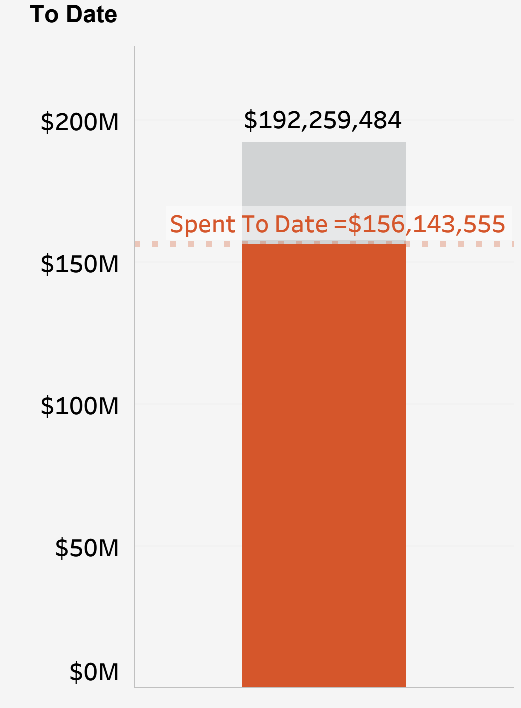
Operating Within Budgets As Forecasted

This indicator provides a measure of the utility's ability to operate within budget forecasts (data current as of July 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 September 7, 2023]**

AGENDA ITEM A.4

DATE: September 4, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Tommy Brown, Continuous Improvement Director

SUBJECT: 2020 Management and Performance Audit Task Update - *Receive Report*

SUMMARY

The attached report details the status of the task-related recommendations from the 2020 Management and Performance Audit.

SUGGESTED ACTION

Receive Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

A tracking process for the task-related recommendations of the 2020 Management and Performance Audit that facilitates verification and promotes accountability is a priority for the Agency. The attached report includes the task description, status, timing and status notes or final outcome for the completed tasks.

BACKGROUND

At the August 2020 Board meeting, the Board was presented the results of the 2020 Management and

Performance Audit, performed by CliftonLarsonAllen, LLP and management's initial response to the 38 main and sub-part recommendations. The Board received a presentation on follow-up activities from the Board's three workshops and a plan for tracking and reporting on the 2020 Management and Performance Audit recommendations to the Board monthly.

2020 Management and Performance Audit Tasks - September 2023 Board

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 and document agency's Disaster Recovery Plan	-	31	In-Progress	Jun-22	Casey LaLomia		The agency's disaster recovery plan was utilized in a table top exercise 3/28/2022. The plan has been revised based on this exercise, and has also been updated to accommodate new off site DR capabilities for the enterprise and for SCADA specific plans. An additional exercise will be scheduled after completion of changes to the disaster recovery architecture scheduled in the fall of 2023.
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.
Evaluate inventory of custom applications versus off the shelf applications	-	29	In-Progress	Dec-22	Casey LaLomia		Custom applications have been reduced by 61% over the past five years. A Standard Operating Procedure is being developed and includes an annual evaluation of the agency's custom applications and will include conducting a cost-benefit analysis 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	In-Progress	Dec-22	Casey LaLomia		We continue to utilize an IT technical writer to draft policy, process, and Standard Operating Procedures (SOPs) according to a prioritized list. We are focused on development of agency policy and procedures that have been identified as part of our most recent NIST Cybersecurity Framework mapping.
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. This initiative will be managed by the new Organizational Development and Training Program Manager. Plan in draft form as of 7/27/23.
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 is being done on this recommendation 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 Teresa Collins		The agency is in the process of implementing Bonfire, an e-procurement system. In the contracts module of Bonfire there is a mechanism to track contractor's performance, however the contracts module is the final piece of the Bonfire implementation, so tracking contractor's performance will not start until FY24.
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.

AGENDA ITEM A.5

DATE: August 2, 2023

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 2023 Legislative Program Goals and Priorities approved by the Board at its December 2022 meeting. This item provides an update on current legislative efforts.

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 2023 State of Florida session concluded on May 5th.

At the federal level, the agency's consultants and staff continue to monitor and track federal legislation and regulations that could impact Tampa Bay Water. The agency's consultants and staff also continue to monitor for grant funding opportunities. The agency is currently pursuing a NOAA grant for the Surface Water Treatment Expansion Project and Resilient Florida grants for the Surface Water Treatment Expansion Project and the Cypress Creek Wellfield Improvements Project Phase III. Staff will keep the board informed if grant funds are awarded for these projects.

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.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.6

DATE: September 1, 2023

TO: Board of Directors

FROM: Barrie Buenaventura, General Counsel

SUBJECT: 2023-2024 Regulatory Plan - *Approve*

SUMMARY

Tampa Bay Water must prepare and submit its annual regulatory plan by October 1, 2023. As reflected in the proposed 2023-2024 Regulatory Plan, the agency does not intend to engage in rulemaking activities in the coming year.

SUGGESTED ACTION

Approve 2023-2024 Regulatory Plan for submittal in compliance with Section 120.74, F.S.

COST/FUNDING SOURCE

Uniform Rate

DISCUSSION

Chapter 120, F.S., requires Tampa Bay Water to prepare and submit a regulatory plan annually by October 1. The regulatory plan must identify laws enacted or amended during the previous 12 months that affect the duties or authority of the agency, and for each such law, the agency must state whether it must adopt rules to implement the law and provide details about the proposed schedule for rulemaking. If rulemaking is not necessary to implement the identified laws, the agency must provide a concise written explanation of why that is so. Regulatory plans must also include a listing of other laws the agency expects to implement by rulemaking in the coming year and it may include an update or supplement to prior regulatory plans. Finally, the regulatory plan must include certifications by the presiding officer and principal legal advisor to the agency.

As shown in the attached proposed 2023-2024 Regulatory Plan, Tampa Bay Water does not intend to adopt or amend any rules in the coming fiscal year. Upon approval by the Board, Tampa Bay Water will timely submit the agency's 2023-2024 Regulatory Plan and publish it on the agency's website.

It is recommended that the Board approve the agency's proposed 2023-2024 Regulatory Plan.

Attachment (1)

Regulatory Plan 2023-2024

2023-2024 REGULATORY PLAN OF
TAMPA BAY WATER, A REGIONAL WATER SUPPLY AUTHORITY

A. RULEMAKING TO IMPLEMENT NEW LAWS
List laws enacted or amended during the previous 12 months which create or modify the duties or authority of Tampa Bay Water:

Chapter 2023-028, Laws of Florida	Government and Corporate Activism
Chapter 2023-033, Laws of Florida	Interests of Foreign Countries
Chapter 2023-043, Laws of Florida	Protection from Discrimination Based on Health Care Choices
Chapter 2023-106, Laws of Florida	Facility Requirements Based on Sex
Chapter 2023-134, Laws of Florida	Public Construction
Chapter 2023-193, Laws of Florida	Retirement
Chapter 2023-201, Laws of Florida	Technology Transparency
Chapter 2023-231, Laws of Florida	Flooding and Sea Level Rise Vulnerability Studies

The laws enacted or amended during the previous 12 months do not require Tampa Bay Water to adopt new rules or amend existing rules in order to implement them.

B. OTHER RULEMAKING
List each law not otherwise listed under A., which Tampa Bay Water expects to implement by rulemaking before July 1, 2024, except emergency rulemaking: None.

C. UPDATE OF PRIOR YEAR'S REGULATORY PLAN OR SUPPLEMENT
No update or supplement of any prior year's regulatory plan is needed.

D. CERTIFICATIONS

Certification of Chairman of Tampa Bay Water Board of Directors:
As Chairman of the Board of Directors, I certify that I have reviewed Tampa Bay Water's 2022-2023 Regulatory Plan and that Tampa Bay Water regularly reviews all of its rules. As of September 18, 2023, Tampa Bay Water reviewed all of its rules and determined that they remain consistent with the agency's rulemaking authority and the law implemented.

____
Ron Oakley
Chair
Date: ______________________

Certification of Tampa Bay Water General Counsel:
As General Counsel to Tampa Bay Water, I certify that I have reviewed Tampa Bay Water's 2023-2024 Regulatory Plan and that Tampa Bay Water regularly reviews all of its rules. As of September 18, 2023, Tampa Bay Water reviewed all of its rules and determined that they remain consistent with the agency's rulemaking authority and the law implemented.

____

Barrie S. Buenaventura
General Counsel
Date: _____________________

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.7

DATE: August 29, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Maribel Medina, Planning and Projects Director

SUBJECT: 2023 Long-term Master Water Plan Update: Project 09016, Shortlisting of Water Supply Concepts - *Receive Report*

SUMMARY

Tampa Bay Water is required to update its Long-term Master Water Plan every five years. Integrated Program Management Consultant, Black and Veatch, is assisting staff with the 2023 Long-term Master Water Plan Update which will be completed by December 2023. This item provides an update on the status of project activities and identifies the short-listed water supply projects recommended for further feasibility. The updated Long-term Master Water Plan including next steps, will be recommended to the Board for approval in November 2023.

SUGGESTED ACTION

Receive Report.

COST/FUNDING SOURCE

N/A

DISCUSSION

In August 2022, Tampa Bay Water kicked off the update of the 2023 Long-term Master Water Plan (Plan) with the assistance of Black and Veatch, retained under the Integrated Program Manager

Consultant Contract No. 2022-001, to provide professional services. The 2023 Plan Update process includes an updated assessment of Tampa Bay Water's demand projections versus the current and expanded 2028 water supply capacity to define the timing and capacity requirements for the next water supply projects to be implemented by Tampa Bay Water to keep up with the projected growth.

It is anticipated that additional water supply and treatment capacity may be needed as early as Fiscal Year 2033, therefore, the 2023 Plan Update will include the development of a list or Universe of Options of potential water supply projects based on previous and new ideas for water supply sources and concepts based on input from numerous stakeholders (including Tampa Bay Water, Member Governments, Southwest Florida Water Management District and the public) and the evaluation and short-listing of potential new water supply concepts. The short-listed concepts will be further evaluated in the Feasibility Program. The Long-term Master Water Plan will also include several developmental alternatives that will be studied concurrently with the water supply concepts short-listed for further feasibility.

Short-listed Water Supply Concepts and Feasibility Program

The purpose of the Feasibility Program is to further assess the feasibility of the individual project concepts, including a more detailed analysis of the potential yields and water quality, as well as modeling, analyzing of regulatory and permitting requirements, conducting pilot studies, identification of potential properties, public engagement, preparation of conceptual design and defining capital and operating costs. The information gathered during the feasibility studies will be used to develop water supply configurations to meet future demands. A project or configuration of multiple projects will then be selected to move forward into design and construction.

The Feasibility Program will include the evaluation of seven projects which are listed below. The approximate location of each project is indicated by the designated letters on the Attachment.

Long-term Master Water Plan Short-list Concepts/Projects

A. Eastern Pasco Wellfield - A new brackish and/or fresh groundwater wellfield located in northeast Pasco County with an estimated yield of 9 million gallons per day (mgd).
B. Consolidated Water Use Permit Increase - This concept consists of increasing the permitted capacity of the existing Consolidated Water Use Permit by an estimated 10 mgd.
C. North Pinellas Surface Water Treatment Plant and Reservoir - This concept includes withdrawing water from the outfall canal downstream of Lake Tarpon and has an estimated yield of 4 mgd.
D. Tampa Bay Seawater Desalination Expansion - The expansion of the existing Desalination Plant considers expansion with either seawater or brackish groundwater with an estimated yield of 11 mgd. The study will evaluate the expansion with brackish groundwater only as the seawater expansion was evaluated in 2021.
E. Surface Water Treatment Plant at the C.W. Bill Young Regional Reservoir - This project consists of a new surface water treatment plant at the existing C.W. Bill Young Regional Reservoir using increased withdrawals from the Alafia River with an estimated yield of 6 mgd.
F. South Hillsborough Surface Water Treatment Plant and Reservoir - This project consists of a new

surface water treatment plant and reservoir withdrawing water from the Little Manatee River and Bull Frog Creek. The estimated yield is 4 mgd.

G. South Hillsborough Wellfield - This project consists of a new wellfield in Southern Hillsborough County via aquifer recharge with an estimated yield of 6 mgd. This concept doesn't require additional study as it was evaluated in 2021.

Developmental Alternatives

Developmental alternatives are water supply options that may require sophisticated technologies, that do not have a current regulatory framework for permitting, or that require more long-term analysis and study. As technology advances and processes develop, the cost of an alternative may decline or permitting uncertainties may be resolved.

As concepts were developed and evaluated for the 2023 Long-term Master Water Plan update, and potable reuse was considered as a source, it was determined that potable reuse was a candidate for becoming a Developmental Alternative. Through the water supply concept coarse screening process, four reuse options scored highly for environmental sustainability, system integration and expansion potential, yield reliability, and regional system impacts, but did not advance to fine screening due to uncertainties related to regulation, permitting, public reception, lifecycle costs and cost risk factors.

While these options did not receive high enough rankings to move forward to fine screening and feasibility assessments, with further development, their viability could increase, making them more feasible for consideration as future water supply options.

By adding reclaimed water project options to the current Long-term Master Water Plan as developmental alternatives, Tampa Bay Water can continue studying these options to meet future potable water demands. The agency and its consultants will continue to explore possible implementation strategies, which may include conducting pilot studies to further understand and confirm treatment requirements and water quality. This also allows time for new rules to be promulgated, so the current uncertainty surrounding options involving direct and indirect potable reuse can be resolved.

2023 Long-term Master Water Plan Update

Black and Veatch and staff continues the activities to update the 2023 Long-term Master Water Plan. The Final 2023 Report, including the final short-list of projects and developmental alternatives will be presented to Tampa Bay Water's Board of Directors in October for discussion and again in November 2023 for approval. The below is a summary of work completed to date, future activities and schedule of project deliverables.

Work Completed to Date:

- Submitted Draft Long-term Master Water Plan Report to Tampa Bay Water staff for review.
- Conducted additional public engagement activities including Ad-Hoc Committee Meetings and Telephone Townhall.

Work In Progress and Upcoming Work:

- Conduct final public engagement activities including Ad-Hoc Economic and Environmental Committee Meetings
- Submit Draft Long-term Master Water Plan Report to Member Governments

Overall Schedule (remaining activities):

- Conduct Ad-Hoc Committee Meetings - January through August 2023
- Draft Long-Term Master Water Plan Report - September 2023
- Present Long-term Master Water Plan and Project Short-list to Board - October 2023
- Submit Final Long-Term Master Water Plan Report - October 2023
- Final Long-Term Master Water Plan Report Board Approval - November 2023

BACKGROUND

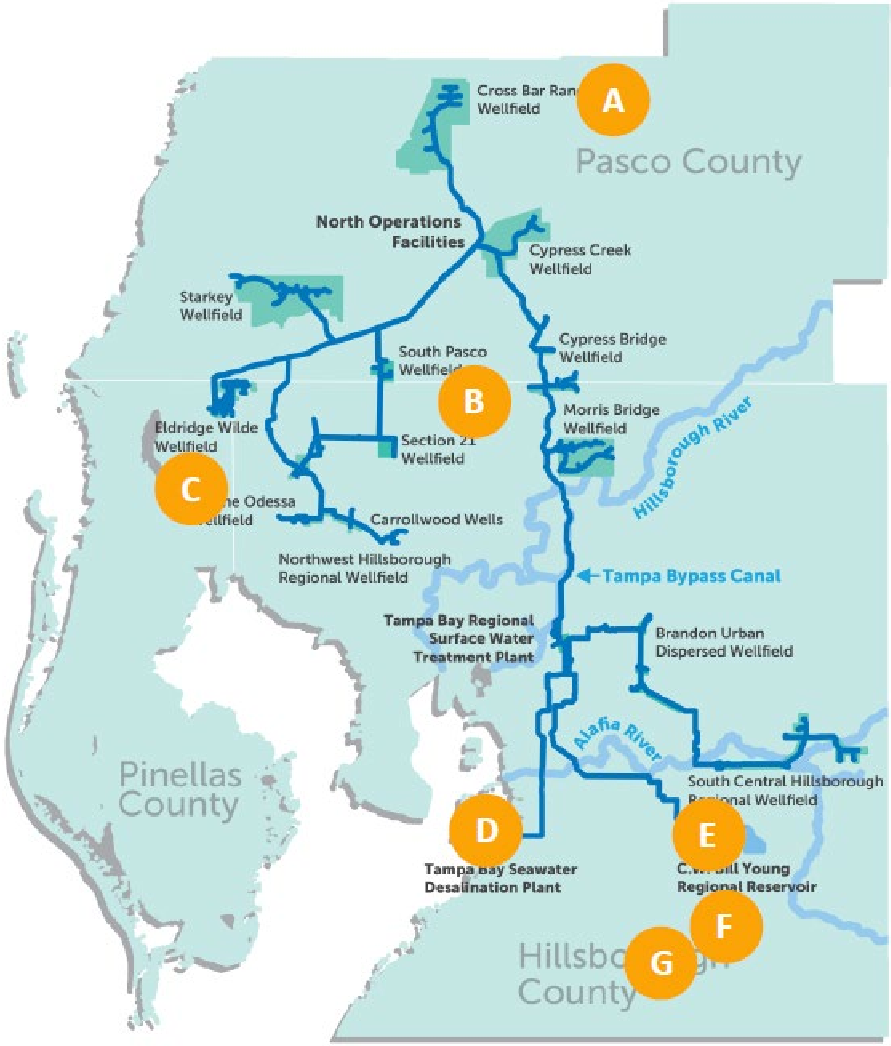
Section 2.09 of the Amended and Restated Interlocal Agreement requires that the Long-term Master Water Plan be updated every five years. The most recent Long-term Master Water Plan was completed and approved by the Board in December 2018. Following the 2018 Plan Update, Tampa Bay Water completed Feasibility Studies for the shortlisted potential new water supply concepts. In August 2022, Tampa Bay Water's Board of Directors selected the Surface Water Treatment Plant Expansion project as the next new water supply configuration for implementation by the year 2028.

Now that the next new water supply configuration has been selected, staff are working on activities for the next planning horizon which includes the 2023 Long-term Master Water Plan Update. Black and Veatch, retained under the Integrated Program Manager Consultant Contract 2022-001, is providing professional services for the 2023 Long-term Master Water Plan Update. Black and Veatch's scope of services was approved by Tampa Bay Water's Board of Directors at the August 2022 Board Meeting.

Attachment (1)

Short-list Water Supply Concepts Map

2023 Long-term Master Water Plan Short-listed Water Supply Projects Map



A. Eastern Pasco Wellfield
B. Consolidated Water User Permit Increase
C. North Pinellas Surface Water Treatment and Reservoir
D. Tampa Bay Seawater Desalination Expansion
E. Surface Water Treatment Plant at the C.W. Bill Young Regional Reservoir
F. South Hillsborough Surface Water Treatment Plant and Reservoir
G. South Hillsborough Wellfield via Aquifer Recharge

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.8

DATE: August 28, 2023

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 attached table lists upcoming task authorizations that staff is recommending be assigned to the vendors identified.

SUGGESTED ACTION

Approve Task Orders.

COST/FUNDING SOURCE

$350,500, FY 2023 Uniform Rate Funds

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 September 2023 through October 2023.

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)

CIP Task Authorizations September 2023

TAMPA BAY WATER
Supplying Water To The Region

CIP Projects Tasks Authorizations

Project Number	Project Name	Task Description	Vendor Name	Contract Number	Task Cost	Funding Source
11005	Integrated Program Manager Consultant Services	WA-020-Surface Water Treatment Plant Contract and Performance Audit	Black & Veatch Corporation	2022001	$100,500	Uniform Rate Funds
11005	Integrated Program Manager Consultant Services	WA-021-Systems Engineer Services	Black & Veatch Corporation	2022001	$250,000	Uniform Rate Funds

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TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.9

DATE: August 25, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Maribel Medina, Planning and Projects Director

SUBJECT: Capital Improvement Program - Projects Closeout - *Approve*

SUMMARY

The Board accepted the Fiscal Years 2024-2033 Capital Improvements Program (CIP) in May 2023. In accordance with the Agency's Project Management Methodology, a final Board item is required to closeout capital projects. This item provides details for two recently completed capital projects.

SUGGESTED ACTION

Approve Projects Closeout.

COST/FUNDING SOURCE

N/A

DISCUSSION

This item provides individual reports for completed capital projects. Each report includes the final project schedule, projects description, funding sources and spent amounts, unspent budget, list of purchase orders/contracts and actual expenditures, and a final closeout summary. Staff recommends the Board approve closeout of the following capital projects:

- 07072: Tampa Bypass Canal Gates Automation
- 50067: Tampa Bypass Canal Transmission Main and Off-stream Reservoir Pump Station Cathodic Protection

BACKGROUND

Tampa Bay Water's Capital Improvements Program 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 the Board approves individual projects.

Attachment (2)

07072 Tampa Bypass Canal Gates Automation Closeout Report
50067 Tampa Bypass Canal Transmission Main and Off-Stream Pump Station Cathodic Protection Closeout Report

Project Closeout Report - July 2023

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 - July 2023

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 - July 2023

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	2017020	Engineering Services	ARCADIS US INC.	$123,100.00
20200548	2017034	Professional Services	AREHNA ENGINEERING, INC.	$19,194.00
20230171	2021044	Construction	JOHN H GRANGER MAINTENANCE & CONSTRUCTION, INC.	$70,000.00
20230263	2019056	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.

TAMPA BAY WATER
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Project Closeout Report - July 2023

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.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.10

DATE: August 28, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Maribel Medina, Planning and Projects Director

SUBJECT: South Hillsborough Pipeline, Project Nos.01610 and 01616, Contract No. 2022-001 Work Assignment Amendment and Increase 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 provide program management services for the South Hillsborough Pipeline (Project Nos. 01610 and 01616) in the amount of $999,700.

SUGGESTED ACTION

Approve amendment to Work Assignment No. 003 under Contract No. 2022-001

COST/FUNDING SOURCE

$249,925/Revenue Bonds; $499,850/SWFWMD Co-funding; $249,925/Hillsborough County

DISCUSSION

In October 2021, the Board approved Work Assignment No. 003 (WA-003) with Black and Veatch, retained under the Integrated Program Manager Consultant Contract 2022-001, to provide program management services for the South Hillsborough Pipeline (Projects Nos. 01610 and 01616). The initial scope under WA-003 included program management services through the completion of the Basis of

Design Report.

Additional program management services are required for this project to support staff during property acquisition, final design, and construction manager-at-risk (CMAR) bidding phases.

Staff negotiated a scope and fee to amend and increase WA-003 for Program Management services which include:

1. Support project management and controls over the duration of the project.
2. Participation in project coordination and progress meetings with Tampa Bay Water, design firms, CMAR, and stakeholders to enhance collaboration and consistency in meeting the key project success factors.
3. Support staff during initial CMAR contract negotiation and the integration of the CMAR team with the project team to support consistency and continuity.
4. Support design teams and CMAR with the development, updates and communication of potential risks and proposed risk management strategies, including updates to the project risk register.
5. Coordination with the Tampa Bay Water Capital Improvements Program (CIP) ongoing and planned projects and coordination with the Long-term Master Water Planning efforts.
6. Support design firms in understanding and incorporating design requirements and features that consider potential impacts and effective integration of the new pipeline segments into the overall Regional Supply and Transmission System. This includes consideration of hydraulics, transient/surge pressures, water quality, operations, maintenance, future conditions, and emergency scenarios.
7. Support the review of design firm deliverables for consistency with Tampa Bay Water standards for equipment and material specifications, cost estimating, and constructability.
8. Coordination to maintain compliance with Southwest Florida Water Management District (SWFWMD) Co-funding Requirements, including quarterly reporting and reimbursement support.
9. Support to maintain compliance with the requirements of the Joint Project Agreement between Hillsborough County and Tampa Bay Water for Segment B.

Additional services to support future project phases (including Construction and continued Public Outreach services) will be negotiated and requested in future board meetings.

Staff requests Board approval of the amendment and increase of Work Assignment No. 003 under Contract 2022-001 with Black and Veatch by $999,700. The scope and fee for this first amendment are attached.

BACKGROUND

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. A new pipeline system is needed to provide the increased capacity required. The new system will expand delivery of water supplies to both the County's existing Lithia Point of Connection and a new Point of Connection farther south. The new Southern Hillsborough County Pipeline system will be constructed in two segments. Segment A will convey alternative water supplies from the existing High Service Pump Station to Hillsborough County's Lithia Water Treatment facility. Pipeline Segment B will connect to Segment A and provide alternate water supplies to the new Hillsborough County Point of Connection (POC) south of Hillsborough County's Lithia Water Treatment facility as approved by the Hillsborough County Board of County Commissioners in June 2021 and by the Tampa Bay Water Board of Directors in July 2021. Both segments will be planned, designed, and constructed by Tampa Bay Water and partially funded by the SWFWMD for eligible capital costs. The remaining share of capital costs for Segment A is the responsibility of Tampa Bay Water and the remaining share of capital costs for Segment B is the responsibility of Hillsborough County through a Joint Project Agreement.

Attachment (1)

WA-003 South Hillsborough Pipeline Black and Veatch Scope and Fee

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

Black & Veatch Work Assignment #003
Program Management Services for South Hillsborough
Pipeline (Projects 01610 and 01616)
Amendment No. 1 – Program Management Services for Task 2 Property
Acquisition, Task 3 Final Design and Task 4 Bidding
Scope of Services (Date August 24, 2023)

I. BACKGROUND

Tampa Bay Water has entered into a Memorandum of Understanding (MOU) with Hillsborough County to provide 65 million gallons per day (MGD) of additional water supply to southern Hillsborough County. The new supply pipeline will be constructed in two segments: Segment A from the Tampa Bay Water Regional Surface Water Treatment Plant (2301 Regional Water Lane) to the Lithia Water Treatment Plant site (5402 Lithia Pinecrest Rd) where both Hillsborough County and Tampa Bay Water have treatment facilities; and Segment B to connect the Tampa Bay Water transmission system to a new Point Of Connection with Hillsborough County at its Water Resources Ag-Mart parcel in the Balm-Riverview area. Tampa Bay Water has contracted with Wade Trim to design Pipeline Segment A and with Stantec to design Pipeline Segment B (design firms).

As part of the Integrated Program Management Consultant (IPMC) contract, Tampa Bay Water requested Black & Veatch (CONSULTANT) to provide program management services for the South Hillsborough Pipeline Project, inclusive of both Segments A and B (Project). Contract and Project history to date is summarized below.

- September 20, 2021: Tampa Bay Water Board approved the IPMC Professional Services Agreement, Contract No.: 2022-001
- October 18, 2021: Tampa Bay Water Board approved a CIP task authorization for Work Assignment #003, for CONSULTANT to provide Task 1 Preliminary Design services for the South Hillsborough Pipeline project, through development of the Basis of Design Report.
- November 14, 2021: Tampa Bay Water issued a Purchase Order and Notice to Proceed to CONSULTANT to initiate WA-003 support for Task 1.

Tampa Bay Water has requested an amendment to WA-003 to continue providing services for this project through the property acquisition, final design and CMAR bidding phase. The scope of services described in this document will be completed by CONSULTANT as an amendment to the existing Work Assignment #003 under the IPMC Professional Services Agreement, Contract No.: 2022-001.

Since the South Hillsborough Pipeline project has been initiated, the Tampa Bay Water Board has approved the route for both Segments A and B, and the design firms have completed the draft preliminary design efforts and will be progressing towards final design in the future. Additionally, a Construction Manager at Risk (CMAR) is being selected for pre-construction and construction services for this project. As Program Manager, CONSULTANT is providing a variety of services to facilitate communication and coordination among the multiple parties involved. The services include:

1. Program Management Services - to support Project Management and controls over the duration of the Project, including maintenance of the Project Schedule and maximizing the use of Masterworks throughout.
2. Participation in Project Coordination and Progress Meetings – with Tampa Bay Water, design firms, CMAR, and stakeholders to enhance collaboration and consistency in meeting the key Project success factors.
3. CMAR Coordination – support for bringing on the CMAR firm, including providing support to Tampa Bay Water during the initial contract negotiation phase along with the integration of the CMAR with the project team to support consistency/continuity across the multiple project stakeholders.
4. Risk Management/Mitigation – to support design teams and CMAR with the development, updates and communication of potential risks and proposed risk management strategies, including updates to the project risk register in Masterworks.
5. Coordination with the Tampa Bay Water Capital Improvements Program (CIP) – including coordination with the Long-Term Master Water Planning efforts.
6. System Engineering Services – to support the design firms in understanding and incorporating design requirements and features that consider potential impacts and effective integration of the new pipeline segments into the overall Regional Supply and Transmission System. This includes consideration of hydraulics, transient/surge pressures, water quality, operations, maintenance, future conditions, emergency scenarios, etc.
7. Peer Review Services – to support the review of design firm deliverables for consistency with Tampa Bay Water standards for equipment and material specifications, cost estimating, and constructability.
8. Coordination to Maintain Compliance with SWFWMD Co-funding Requirements – including quarterly reporting and reimbursement support.
9. Support to Maintain Compliance with the Requirements of the Joint Project Agreement between Hillsborough County and Tampa Bay Water for Segment B.

CONSULTANT's program management support scope of services associated with this Amendment No. 1 to the existing WA-003 is described in the remainder of this document. These services include program management support for the following South Hillsborough Pipeline Project tasks for both Pipeline Segments A and B:

- Task 2 Property Acquisition
- Task 3 Final Design
- Task 4 CMAR Support Services

It is anticipated that CONSULTANT's program management services to support future Project phases (including Construction and continued Public Outreach services) will be defined and authorized through a subsequent amendment to Work Assignment #003.

II. SCOPE OF SERVICES

TASK 2 – Property Acquisition Services

2.1. Property Acquisition Support Services

CONSULTANT will provide support services for property acquisition efforts for Segment A and Segment B, including tracking property acquisitions in GIS and providing maps, sketches, and presentation slides when requested to support the Real estate team activities.

CONSULTANT will be available, when requested, to participate in coordination meetings and calls between the Tampa Bay Water and design firms' Project Managers, Real Estate staff and legal team.

TASK 3 – Final Design Services

3.1. Program Management, Coordination Meetings, and Scheduling

3.1.1. Program Management Support

CONSULTANT will support management of the Project as a cohesive Pipeline Program, with several internal and external stakeholders. Continued and reoccurring Program Management tasks CONSULTANT will support include:

- Development of and continued updates to Segment A and Segment B combined project schedule, including monthly coordination meetings. A working copy of the schedule will be maintained in Masterworks.
- Assistance with reviewing monthly progress reports, costs, and schedule information.
- Support Project budget updates at key milestones to ensure consistency with Tampa Bay Water's CIP, approved Project budget and funding sources, and consistency with the PM Methodology/Masterworks activities to support budget tracking.
- Support for tracking Project budget used vs. progress for pipeline projects.
- Use of Masterworks to support Project 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.
- Coordination to support holistic considerations of how the Project will be integrated into the overall regional water supply and transmission system.

3.1.2. Final Design Kickoff Meeting

A kickoff meeting for the final design services for the project will be held with members of Tampa Bay Water, design firms and key members of the CONSULTANT team to identify critical Project issues, establish performance objectives, set priorities, and establish critical success factors with regards to the Project. In addition, Tampa Bay Water will provide input relative to external stakeholders and the perceived issues that stakeholders may have related to the Project.

3.1.3. Monthly Status and Coordination Meetings

CONSULTANT will participate in the design firms' monthly Project coordination and progress update meetings with Tampa Bay Water and stakeholders. CONSULTANT will review meeting minutes provided by the design firms and follow up on action items identified from each meeting to confirm the completion of each.

Additionally, CONSULTANT will facilitate bi-weekly Project Management/small group meetings amongst all parties. CONSULTANT will prepare meeting minutes to document discussions.

Coordination meetings are anticipated to span a 30-month Project duration.

3.1.4. Coordination Meetings with External Stakeholders

Attend coordination meetings with external agencies including but not limited to various Hillsborough County Departments; meet and coordinate with the Florida Department of Transportation (FDOT); meet and coordinate with environmental agencies such as Florida Fish and Wildlife. These coordination meetings are separate from those specified in the above Task 3.1.3. Meetings will be attended by up to 2 team members; thirty (30) coordination meetings are assumed by the design firms, CONSULTANT's participation is estimated in 80% or twenty four (24) meetings. CONSULTANT will support Tampa Bay Water in tracking meeting occurrences, distribution of meeting correspondence and following-up on action items from all project stakeholders.

3.1.5. Board Presentations

CONSULTANT will support preparation for Board presentations as-needed for key project milestones. This includes review of or support to develop Board presentation timeline, Board Agenda Items, presentation materials, participation in Board Dry-Runs, and monthly Board meetings. Board presentations will generally focus on project status including schedule, budget, public outreach, primary permit approvals and any potential deviations to the route or property acquisitions.

3.1.6. Risk Management

A Risk Management Plan was initiated in the initial phases of this project to properly identify, assess, and manage Program risks. The plan includes the following:

- Risk identification, risk assessment, and the different techniques that can be used to maximize the benefits of those processes.
- Risk allocation and risk mitigation strategies.
- Preparation of a project risk register that identifies program risks and potential mitigation strategies.
- The plan to coordinate risk register updates with design/construction teams in terms of additional risk identification and risk mitigation strategy implementation.

CONSULTANT will support design firms with feedback on risk assessment, Masterworks tips and tricks to support proper documentation and reporting of risks, and maintaining up to date Risk Status and Mitigation Plans. Risk register will be updated in Masterworks on a monthly basis.

CONSULTANT will facilitate support for risk management with the CMAR firm, including debrief of Tampa Bay Water's Risk Management Plan, Masterworks Risk Register Tool, and coordination of periodic updates, as it relates to execution of the design and preparation for construction phase.

3.1.7. SWFWMD Co-Funding and Hillsborough Joint Project Agreement Support

CONSULTANT will support Tampa Bay Water, the design firms and the CMAR in the compliance with the requirements the SWFMWD Cooperative Funding (Co-Funding) Agreement (for combined Segments A and B) and Joint Project Agreement (JPA) with Hillsborough County (for Segment B).

Examples of the SWFWMD Co-Funding support tasks may include: supporting preparation Tampa Bay Water's quarterly SWFWMD funding reports; and developing reimbursement packages to submit to the SWFWMD. Tasks to support Tampa Bay Water, the design firms, and the CMAR with maintaining adherence with the JPA requirements will be defined and supported by CONSULTANT, as requested.

3.1.8. Project Management & Administration

CONSULTANT will perform general administrative duties associated with the Work Assignment, including resource management, progress monitoring, scheduling and regularly communicate and coordinate with the Tampa Bay Water Program Manager (Planning & Projects Director) and Project Manager for Pipeline Segments A and B.

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

CONSULTANT will maintain project schedule and budget tracking systems throughout the project. CONSULTANT will also prepare monthly project status reports that summarize the work completed by CONSULTANT 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.

3.2. CMAR Engagement

Tampa Bay Water is delivering this project using the Construction Manager at Risk (CMAR) approach. During the Pre-Construction/Design Phase, the CMAR shall assist Tampa Bay Water and the design firms in developing an optimum, minimum risk, and buildable design for the Project.

3.2.1. CMAR Coordination

CONSULTANT will schedule, attend, and lead coordination meetings with Tampa Bay Water, the CMAR, the design firms, and key members of the CONSULTANT team. Anticipated meetings include:

- CMAR Kickoff Meeting
- Reoccurring Coordination Meetings
- Value Engineering Workshops

CONSULTANT will serve as a technical consultant to Tampa Bay Water during contract development and review. As an Engineering, Procurement and Construction firm, CONSULTANT does not provide legal services, and review comments shall be based strictly on CONSULTANT's technical experience supporting engineering and construction projects. CONSULTANT will support contract negotiation for CMAR Pre-Construction Services, to include scope, fee and markup for construction phase services. Examples of tasks that CONSULTANT may support Tampa Bay Water with as part of this process include:

a. Coordination meeting(s) with Tampa Bay Water staff, design teams and other project stakeholders.
b. Development of a detailed schedule for procurement activities proposed from July to November 2023, which is the current estimate for the Board approval of the CMAR Preconstruction Services contract.
c. Review of the proposed CMAR's Pre-Construction services scope and budget for consistency with the project needs.
d. Support with defining an appropriate owner's allowance budget for the contract.
e. Support for determining strategy and approach for early material procurement.
f. Support with defining how sole-source items will be handled and the potential addition of related language in the contract.
g. Support for working with CMAR to develop GMP structure, including definition or determination of open-book approach for GMP pricing.
h. Determination of specific requirements for organizing and tracking project costs and assets.
i. Coordination with co-funding requirements, if needed.

3.2.2. Assistance During GMP Preparation and Preparation of Early Procurement Package
CONSULTANT shall assist Tampa Bay Water with the planning and review of early material procurement package(s) that may be proposed.

CONSULTANT will support Tampa Bay Water by serving as an Independent Cost Estimator (ICE) and preparing a second estimate produced by an independent estimator removed from the construction/contractor. This allows for validation of the overall offering, particularly where the CMAR intends to self-perform the work. CONSULTANT assumes two estimates will be developed, an independent estimate of the baseline construction cost (to be initiated upon CMAR NTP) and at the 60% design milestones. CONSULTANT will also support the review of guaranteed maximum price (GMP) packages being prepared by the CMAR.

3.3. Public Engagement
Community outreach will continue through design, permitting, and construction. Tampa Bay Water's CMAR will include community engagement and construction information services in its scope of services, which will begin in the design phase. CONSULTANT will participate in and support Public Engagement Project Coordination with the design teams and the CMAR. This includes review of public engagement materials, attend public meetings or provide technical support to respond to public inquiries as needed.

A subsequent amendment is anticipated for CONSUTLANT's project team (Catalyst Communications Group and Playbook Public Relations) to provide support to Tampa Bay Water in coordinating the public engagement strategy and efforts of the CMAR team. CONSULTANT's project team's efforts are anticipated to begin in final design, to overlap with the design firms' Public Engagement team (Dialogue Public Relations) to ensure consistency, ensure stakeholders are informed throughout the design phase, and through construction, and eliminate redundancy. The scope and budget for these services will be defined separately.

3.4. Peer Review Technical Support

3.4.1. As-Needed Technical Support

CONSULTANT will review and track a variety of information and documents created as part of the sub-tasks that will be completed by the design firms as part of the final design, which includes: geotechnical investigations, subsurface utility engineering, survey, phase I cultural resource assessment survey, corrosion protection and design coordination services.

3.4.2. Final Hydraulic Modeling

CONSULTANT will provide system engineering support to assist with the design firms' refined hydraulic analysis for the 60%, 90% and issued for construction submittals. CONSULTANT will also review the results of the hydraulic analysis and provide comments. Specific tasks may include:

- Providing input and background data to support the refinement of the hydraulic model and assumptions regarding the anticipated range of conditions that can be expected at the locations where the new pipeline segments will tie into the existing transmission system (or future points of connection). Current system conditions under normal and emergency type operating scenarios will be considered, along with projected short and long-term changes that may occur in the future as the Regional System is expanded.
- Support consideration of operational hydraulic and water quality/age issues with respect to the transmission of water through the alternative pipeline routes for Segments A and B.
- Support the consideration of different system piping configurations, sizing, modifications, or other improvements which may be necessary to achieve desired (or consistent) hydraulic and water quality/age performance for the pipeline route alternatives being considered.
- Perform peer reviews of the hydraulic models used for the hydraulic analysis of the pipeline and the model output and reports summarizing the results and conclusions of the hydraulic analysis.
- Evaluate potential system wide benefits or impacts that the implementation and integration of the new pipelines may result in and determine if the benefits or impacts are more significant for the different pipeline route alternatives being considered.
- Participate in calls and meetings with Tampa Bay Water and the design firms to support the preliminary hydraulic analyses of the route alternatives and share feedback and comments on the results.

3.4.3. Transient Analysis

CONSULTANT will provide system engineering support to assist the design firms' refined transient analysis model for the 60%, 90% and issued for construction submittals. CONSULTANT will also review the results of the hydraulic analysis and provide comments. Specific tasks may include:

- Providing input and background data to support the refinement of the transient pressure analysis model and assumptions regarding the anticipated range of conditions that can be expected at the locations where the new pipeline segments will tie into the existing transmission system and future points of connection. Current system conditions under normal and emergency type operating scenarios will be considered, along with projected short and long-term changes that may occur in the future as the Regional System is expanded.

- Perform peer reviews of the transient pressure models used for the analysis of the pipeline design and the model output and reports summarizing the results and conclusions of the transient analyses.
- Assess the transient pressure analysis results and recommendations for consistency with Tampa Bay Water's standards and preferences for mitigating transient pressures in its system.
- Support consideration for the potential need for surge mitigation/suppression at the High Service Pump Station located at Tampa Bay Water Regional Facilities Site and/or at the Lithia Water Treatment Facility
- Participate in calls and meetings with Tampa Bay Water and the design firms to support the transient pressure analyses and provide feedback and comments on the results and draft reports.

3.4.4. Related System Engineering Support

CONSULTANT will provide additional system engineering support during the pipeline design phase to address questions and comments from Tampa Bay Water, the design firms, CMAR and stakeholders related to integrating the new pipeline into the existing Tampa Bay Water Regional Transmission System and the operations and controls of the new water supply delivery system. Tasks will include developing or confirming design criteria and design details for the improvements needed to operate and control the new water supply delivery system under anticipated normal operating conditions as well as emergency scenarios and projected long term future conditions. This includes consideration of the system operations and controls improvements that will be required at the following locations:

- Regional High Service Pump Station
- Lithia WTP
- South Hillsborough Pipeline Balm POC

3.4.5. 60% Design Support

Perform peer review of the 60% design submittal, which includes connection details at the Regional Facilities Site, the Lithia Water Treatment Facility, Segment A/Segment B connection point at Fishawk Blvd, and a point of terminus at a new South Hillsborough County point of connection. At the Regional Facilities Site, the CONSULTANT will review and support details regarding new configuration of the Alkalinity Adjustment Facility (AAF) Injection Point near the High Service Pump Station. Alternative configuration will provide more accessible way to maintain the AAF injection point.

CONSULTANT will prepare written comments on the Project deliverables. CONSULTANT will also assess the Project deliverables and review processes for conformance with the Quality Management Plan defined for the Project and overall Tampa Bay Water Capital Improvements Program.

CONSULTANT will support cohesive design review process with Segment A and Segment B design firms, as well as CMAR feedback on the deliverable. CONSULTANT will facilitate 60% design review workshop with Tampa Bay Water, design firms, CMAR, and external stakeholders (Hillsborough County, Legal) as appropriate.

3.4.6. 90% Design Support

Perform peer review of the 90% design submittal, which includes complete plan and profile views for the transmission main, utility relocations, and miscellaneous details for interconnections, line stops, special crossing details, stormwater pollution prevention plans, and details for facilities to assist in the placement of the water transmission main into service.

CONSULTANT will prepare written comments on the Project deliverables. CONSULTANT will also assess the Project deliverables and review processes for conformance with the Quality Management Plan defined for the Project and overall Tampa Bay Water Capital Improvements Program.

CONSULTANT will support cohesive design review process with Segment A and Segment B design firms, as well as CMAR feedback on the deliverable. CONSULTANT will facilitate 90% design review workshop with Tampa Bay Water, design firms, CMAR, and external stakeholders (Hillsborough County, Legal) as appropriate.

3.4.7. Issued for Construction Submittal

CONSULTANT will support backchecking all comments and issues were coordinated with appropriate parties, addressed and closed out for issuance of the final construction submittal.

3.5. Permitting Assistance

CONSUTLANT will support Tampa Bay Water's Project Manager and stakeholders and design firms with tracking all required permits in Masterworks Permits & Registration log. CONSULTANT will support preparation amongst internal stakeholders for pre-application meetings and development of supporting documentation for environmental permitting efforts (including routing amongst required Tampa Bay Water stakeholders or Board approvals. CONSULTANT will provide peer review services for permitting efforts as requested.

<u>TASK 4 – CMAR Bidding Support</u>

The CMAR will pre-quality subcontractors and then advertise/solicit for qualified bids for the various bid packages (maximum of four bid packages is assumed) and obtain a minimum of three quantified bids for each bid package.

CONSULTANT will assist Tampa Bay Water with review of Subcontractor pre-qualification list provided by the CMAR. CONSULTANT and Tampa Bay Water will be allowed to be present during all bid openings.

During the bidding phase, CONSULTANT shall support Tampa Bay Water in reviewing Design Engineer's work in providing clarifications for each bidding package to bidder questions; responses to request for information (RFI); and addenda prior to final bid submission.

III. COMPENSATION

A not-to-exceed budget of $999,700 is reserved for CONSULTANT to provide the program management services described in Tasks 2 through 4. Of this total budget, $499,850 is reserved for supporting the Pipeline Segment A Project and $499,850 is reserved for supporting the pipeline Segment B Project. Tampa Bay Water agrees to compensate CONSULTANT on a time and materials basis, consistent with the Hourly Rate Schedule and terms of the agreement for Tampa Bay Water Contract No. 2022-001. Due to the duration of this assignment, it is assumed that rates will be escalated in 2024, as detailed in the contract Hourly Rate Schedule.

The table below provides a breakdown of the estimated budget by task described in the scope of services.

Budget Summary by Pipeline Segment and Task		
Scope Item	Budget	
	Segment A	Segment B
Task 2 - Property Acquisition	$24,070	$24,070
Task 3 – Final Design Services	$450,700	$450,700
Task 4 – CMAR Bidding Support	$25,080	$25,080
Totals	**$499,850**	**$499,850**

IV. PROJECT SCHEDULE

This scope of services includes CONSULTANT providing program management services for the Project through Property Acquisition, Final Design, and CMAR Bidding Support by the design firms for Segments A and B, which is scheduled to occur by January 2026. Additional preliminary Project milestone dates are listed below:

- 60% Design Submittal: July 17, 2024
- 90% Design Submittal: March 19, 2025
- CMAR's Final GMP for Board Approval (pending CMAR GMP strategy development): August 18, 2025
- Construction NTP: September 1, 2025
- Receive ERP / FDEP 404 Permit: January 30, 2026

AGENDA ITEM A.11

DATE: August 29, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Maribel Medina, Planning & Projects Director

SUBJECT: Cypress Creek Wellfield Surface Water Permit for Individual Environmental Resource Permit Program and Individual FDEP State 404 Program Permit for the Cypress Creek Wellfield Surface Water Improvements - Phase 3, Project No. 09108 - *Approve*

SUMMARY

An Environmental Resource Permit and State 404 Program Permit is required for the Cypress Creek Wellfield Surface Water Improvements- Phase 3, Project 09108. The permit is the State of Florida's requirement to meet its delegated authority for compliance with the Federal and State regulations.

SUGGESTED ACTION

Approve submittal of the Individual Environmental Resource Permit - Florida Department of Environmental Protection Section 404 Program Permit Application for the Cypress Creek Wellfield Surface Water Improvements - Phase 3, Project No. 09108.

COST/FUNDING SOURCE

$2,491.50 permit fee/Uniform Rate Funds

DISCUSSION

Cypress Creek Wellfield (CCWF) surface water management improvements (Phase 1) were constructed in 2007. Phase 1 was a multi-objective wetland restoration and surface water management project. The primary objective was to modify surface water drainage patterns resulting in improved wetland hydrology at sites in the eastern portion of the CCWF that were previously identified as "candidate mitigation sites" in the Phase 1 Mitigation Plan - Candidate Sites Evaluation Study (CSES), June 2000. The secondary objective was to reduce nuisance flooding in Saddlewood Estates, located east of the CCWF, and Quail Hollow, located to the southeast of the CCWF.

Additional CCWF surface water management improvements (Phase 2) were constructed in 2015. The goal of Phase 2 was to provide additional rehydration to wetlands from the first phase of the project, and further refine the project based on monitoring results from the previous seven years.

Cypress Creek Wellfield (CCWF) Surface Water Improvements (Phase 3), Project 09108, includes additional modifications within existing wetlands not previously permitted and modified under the first two phases. Phase 3 includes four wetlands targeted for rehydration through improved connections via culverts, swales and berms to maintain water within the CCWF. Phase 3 improvements require Tampa Bay Water to obtain an Individual Environmental Resource Permit (ERP)/Florida Department of Environmental Protection Section 404 Program Permit from the Southwest Florida Water Management District and the Florida Department of Environmental Protection (FDEP).

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, Pasco County. As a Primary Environmental Permit, Board approval is required for submittal of this permit application. Given Board approval, the application will be submitted any time after October 18, 2023, 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.

On February 28, 2023, a pre-application meeting was held with the Southwest Florida Water Management District (SWFWMD). The meeting was noticed to the Host Member Government (Pasco County) on January 12, 2023. This meeting was attended by representatives of SWFWMD, Tampa Bay Water staff and its consultant, PSG. At the meeting, SWFWMD determined an individual permit is necessary and that a Florida Department of Environmental Protection Section 404 permit will be part of the individual permit application. SWFWMD will file the joint application with FDEP and handle all coordination between agencies. The request for State 4040 Program Permit is required by FDEP for any project proposing dredge or fill activities within State assumed waters.

Staff recommends approval to submit the ERP permit application to the SWFWMD. Copies of the ERP permit application and attachments can be reviewed by requesting copies from the agency Records Department.

BACKGROUND

The Cypress Creek Wellfield Surface Water Improvements - Phase 3, Project 09108. is included in

Tampa Bay Water's Capital Improvements Program Plan which is a comprehensive ten-year plan of approved and proposed capital projects.

Above-normal rainfall 1998 and 2004 resulted in flooding of the adjacent residential neighborhoods. Meetings were held in late 2003 and early 2004 with Tampa Bay Water, the SWFWMD, Pasco County, and residents from the neighborhoods to discuss the issues. The SWFWMD prepared a Preliminary Design Report "Interim Flood Mitigation Project for Dye's Crossing", dated January 2004 (Storm Water Resources of Florida, 2004) that evaluated several potential short-term solutions to move water from the east side of the Dye's Crossing Floodplain toward the Cypress Creek Floodplain. A unique opportunity existed to utilize excess surface water to rehydrate wetlands that had been identified as "candidate mitigation sites" in the Phase I Mitigation Plan - Candidate Sites Evaluation Study (Berryman and Henigar, Inc., 2000). The wetlands were not expected to fully recover from hydrologic impacts, despite reductions in groundwater pumping. In 2004, Tampa Bay Water initiated another feasibility study to expand on the SWFWMD report and to develop the mitigation alternatives which eventually became part of the dual-objective flood mitigation and wetland restoration project known as the CCWF Surface Water Management (SWM) Project. This Feasibility and Basis of Design Report provides an overview of the previously constructed surface water improvements, describes the new target wetlands, and identifies potential additional surface water improvements.

Wetland enhancements were previously constructed within the Cypress Creek Wellfield in 2007 and 2015. The original project aimed to change surface water drainage patterns 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.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.12

DATE: August 28, 2023

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 Update - *Receive Report*

SUMMARY

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

SUGGESTED ACTION

Receive 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 2000-028. This report provides a status of completed, on-going, and future activities for this project.

Work Completed to Date:

- Held final Alternatives Evaluation Workshop.

Work In Progress and Upcoming Work:

- Draft Basis of Design Report.

Overall Schedule (remaining activities):

- Complete Basis of Design Report – October 2023
- Updated construction cost estimates – November 2023 and June 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.13

DATE: August 30, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Paul Stanek, Chief Operating Officer

SUBJECT: Mechanical/Plumbing/Fire Protection Services - Agreement 2024-701 with BAL Engineering, Inc. - *Approve* - *Approve*

SUMMARY

Each year, a number of short-term Mechanical, Plumbing, and Fire Protection Services Engineering needs arise which require Tampa Bay Water to respond in a timely manner. Award of a contract for these services will allow staff to quickly address these issues on an as-needed basis.

SUGGESTED ACTION

Approve Contract No. 2024-701 with BAL Engineering, Inc., in the amount of $200,000.00.

COST/FUNDING SOURCE

Not to Exceed $200,000.00 - Uniform Rate. Fiscal Year 2024-2026 budgeted funds.

DISCUSSION

The Board of Directors adopted Tampa Bay Water's Purchasing Procedures Manual on April 21, 2014 which allows the purchase of commodities and contractual services from the purchasing agreements of other special districts, municipalities, or counties ("piggyback"). Tampa Bay Water desires to piggyback on the contract between BAL Engineering, Inc. and Hillsborough County Public Schools for

Mechanical/Plumbing/Fire Protection Engineering Services. The contract expires on December 10, 2025.

Agency staff has evaluated the contract and found that it accurately meets the requirements of Tampa Bay Water and pricing is fair and reasonable. In order to evaluate the qualifications of BAL Engineering, Inc., agency staff performed reference checks, verified company information on sunbiz.org, and confirmed past performance.

The proposed agreement has been approved as to form by Tampa Bay Water General Counsel's Office.

BACKGROUND

Each year, Tampa Bay Water staff analyze mechanical, plumbing, and fire protection systems in need of replacement. The replacement of larger and/or more complicated systems require engineering design and specification work to be performed. The award of this contract allows for quick access to a qualified engineering firm to complete those tasks.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.14

DATE: August 30, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Fiscal Year 2024 Insurance Program for Liability, Auto, Property, Workers' Compensation and Other Coverages - *Approve*

SUMMARY

Tampa Bay Water's insurance policies for Liability, Auto, Property, Workers' Compensation and Other listed coverages will expire on September 30, 2023. This item will bind coverage for these coverages for Fiscal Year 2024.

SUGGESTED ACTION

Approve binding coverage and rates for the Fiscal Year 2024 Tampa Bay Water Insurance Program.

COST/FUNDING SOURCE

Uniform Rate

DISCUSSION

The Fiscal Year 2023 insurance actuals were $2,253,174 . The quoted premiums for Fiscal Year 2024 total $2,784,501 as shown below. The Fiscal Year 2024 budget is $2,935,563. Staff recommends approval for the General Manager to bind coverage and approval of the coverage amounts and rates for the Fiscal Year 2024 Tampa Bay Water Insurance Program.

Type of Insurance	FY 2023 Costs	FY 2024 Costs
Property, Wind and Inland Marine	$1,801,528	$2,315,310
Workers' Compensation and Vehicle Liability**	$184,231	$198,568
Commercial Liability, Public Official Liability, Employment Practice Liability, Government Crimes, Hull & Watercraft	$208,268	$211,197
Fuel Storage Tanks*	$8,832	$8,793
Cyber Liability	$50,315	$50,633
TOTALS	$2,253,174	$2,784,501

* This policy does not expire until November. Premium is an estimate.

**If there are additional costs for workers' compensation when the annual audit is performed, there will be a year-end adjustment. This adjustment is not anticipated to be beyond the approved annual budget amount. If any future billing should exceed the approved budget, staff will present the proposed cost for Board consideration.

BACKGROUND

The Board approved a piggyback contract with PRIA in July 2023, to select a single insurance broker/consultant. The change to a single broker/consultant allows for more flexibility in going to the markets to acquire the various types of coverage for the agency.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.15

DATE: August 29, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Procurement Exceptions Vendor Limits - *Approve*

SUMMARY

Tampa Bay Water's Purchasing Policy, Resolution 2014-002, provides procurement exceptions to the utilization of the sealed competitive bid procedure or request for competitive sealed proposals and delegates authority to the General Manager for acquiring equipment, supplies and services less than or equal to $100,000. Throughout the past 25 years, the Agency has procured equipment, supplies and services from the attached list of vendors through these procurement exceptions. The total amount per vendor spent since the Agency began has reached or will reach the $100,000 maximum approval amount of the General Manager and requires Board approval.

SUGGESTED ACTION

Approve, continuing procurement through the various procurement exceptions, with each listed vendor, and exceeding $100,000 in total spend, limited to the Board-approved fiscal year 2023 budget amounts.

COST/FUNDING SOURCE

Fiscal Year 2023 Approved Budget

DISCUSSION

Tampa Bay Water's Purchasing Policy, Resolution 2014-002, provides procurement exceptions to the utilization of the sealed competitive bid procedure or request for competitive sealed proposals and delegates authority to the General Manager for acquiring equipment, supplies and services less than or equal to $100,000. General Counsel's interpretation of this delegated amount, is the total amount spent with a vendor, from the beginning of Tampa Bay Water to date, and not per procurement or fiscal year.

Throughout the past 25 years, the Agency has used the attached list of vendors to provide equipment, supplies and services procured through the various procurement exceptions approved in the purchasing policy. The total amount per vendor spent since the Agency began has reached or will reach the $100,000 maximum approval amount of the General Manager and requires Board approval.

Staff recommends continuing procurement through the various procurement exceptions, with each listed vendor on the attachment, and Board approval to exceed $100,000 in total spending, limited to the Board approved fiscal year 2024 budget amounts.

BACKGROUND

Tampa Bay Water's preferred method for acquiring equipment, supplies and services costing more than the existing bid limit, $35,000, is by sealed competitive bidding or by request for competitive sealed proposals.

Exceptions to the utilization of the sealed competitive bid procedure or request for competitive sealed proposals for those purchases above the existing bid limit are:

1. Emergency Purchases
2. Sole Source Purchases
3. Cooperative Purchases
4. Direct Purchase of Construction Material
5. Interlocal/Intergovernmental Agreements
6. Grants
7. Labor and Employment Agreements
8. Insurance Agreements and Policies
9. Public Art
10. Judgements, settlements and opposing party's legal fees and reimbursed costs
11. Software support agreements
12. Mitigation reimbursement to complainants
13. Florida Retirement System
14. Payroll Taxes
15. Real Estate
16. Real Estate Appraisers
17. Outside Legal Services
18. Expert Witness Services
19. Securities, Financing and Bond Agreements

20. Principal and Interest Payments on debt instruments and all associated issuance costs (all issuance of debt are approved by the Board of Directors)
21. Banking Services
22. Postage
23. Telephone Services
24. Advertising
25. Dues and Memberships
26. Books and Subscriptions
27. Transportation and Travel
28. Employee Attendance at Education and Training Seminars
29. Disbursements from Petty Cash
30. Mandatory fees to government agencies (vehicle registrations, permit fees, professional and occupational licenses, trash and sewer assessments, etc.)
31. Utility Services
32. Negotiated Procurements after Rejection of All Bids/Proposals
33. Contracts for professional services pursuant to Section 287.055 FS (CCNA)
34. Other instances where exceptions are provided State or local law

Purchases more than $100,000 require the approval of the Board.

Attachment (1)

FY24 Vendor List over $100K

Vendor Name	Vndr #
Acacia Consulting Inc.	3996
Aclarian LLC	6890
Air Centers Of Florida, Inc.	4070
Ajax Paving Industries Inc.	27
All American Tree Service	4235
Alliance For Water Efficiency	4634
Allied Electronics Inc.	40
Amazon	6205
American Government Services Corp.	3986
American Society Of Civil Engineers	1547
American Water Works Association	100
Anixter, Inc.	891
Aquatic Informatics, Inc.	4516
Archimedes Systems Inc.	4293
Asphalt Paving Systems, Inc.	6162
Association Of Metropolitan Water Agencies	1383
Audio Visual Innovations Inc.	98
Aurigo Software Technologies, Inc.	5770
Automation Direct.com Inc.	636
Ayres Associates Inc.	101
Beamex Inc.	4025
Beaux Arts Group	5804
Blue Planet Environmental	3903
Booky Oren Global Water Technologies Ltd.	6757
Brown & Caldwell	4985
C & G Containers and Supply	156
Cablexpress Corporation	5690
Campbell Scientific	3374
Carahsoft Technology Corp.	6531
CDW Government Inc.	177
Ced/Raybro Electric	1769
Certified Records Management	3141
Certified Slings Inc.	1120
Chalmers & Kubeck	3172
Chandler Asset Management, Inc.	6042
Cintas Corporation	189
City Electric Supply Company	1348
Classic Controls Inc.	1837
Clutch Solutions, LLC	6627
Cohesive Solutions, Inc.	5857
Computers At Work Inc.	6006
Core & Main LP	3508

Vendor Name	Vndr #
Corona Environmental Consulting, LLC	5870
Databank Holdings Ltd.	6685
Dave Dorsey Enterprises, Inc.	1525
Dell Marketing LP	1244
Digital Intelligence Systems LLC	5741
Discountcell, Inc.	6219
DLT Solutions, LLC	2153
Duo Security, Inc.	5550
Duval Ford	281
Electro Battery, Inc.	295
Electro Mechanical South, Inc.	3167
EMA, Inc.	296
Environmental Science Associates Corp.	6007
Epic Engineering & Consulting Group	5585
ESRI	899
F.H. Black And Company, Inc.	6236
Fedex Office And Print Services	503
Ferman Motor Car Company	4782
Fisher Scientific Company, LLC	336
Florida Dept. Of Management Services	1392
Florida Jetclean	4474
Florida Level & Transit Co. Inc.	356
Fluid Control Specialties, Inc.	3738
FPA, Inc	6172
Garber Chevrolet, Inc.	4007
Garber Ford, Inc.	5066
Genuine Auto Parts/NAPA	989
Geographic Information Services, Inc.	6210
Governmentjobs.com, Inc.	6138
Graybar Electric Company, Inc.	401
Gurobi Optimization, Inc.	5106
Hach Company	405
Harcros Chemical, Inc.	408
Harris, Mackessy & Brennan, Inc.	6171
Home Depot	442
Horiba Instruments Incorporated	6867
Hydrologic Data Collection, Inc.	3030
Hydrological Services America	5237
IBM	5088
Icon Technologies	3973
Idexx Laboratories, Inc.	1057
Information First	6139

Vendor Name	Vndr #
Innovyze, Inc.	5351
Insight Public Sector	3674
Iron Mountain	152
J&J Equipment, Inc.	485
Jacobs Air Water Systems	2541
Joseph Pennington Construction	2186
Konecranes, Inc.	233
Locher Environmental Technology, LLC	3322
Lowe's Companies, Inc.	3420
Luke Brothers, Inc.	5925
Mac Papers, Inc.	3956
Mako Group LLC	5827
Manley Solutions	6057
Maxpoint Interactive	6166
McMaster-Carr	543
Measurement Specialties, Inc.	5270
Merediths Tire & Auto Care Center	548
Metropolitan Water	5168
Mettler-Toledo Int. Inc.	6168
Miller Building & Repair Services, Inc.	6070
Mitsubishi Electric Power Products, Inc.	5295
Newark Corporation	590
North Carolina State University	6613
Northside Tire, Inc.	592
Office Depot	600
Periscope Intermediate Corp.	6898
Perkin Elmer Health Sciences Inc.	629
Peterson & Associates, Inc.	1526
PFM Asset Management LLC	4370
PFM Financial Advisors LLC	6206
Phenova, Inc.	4577
Presidio Networked Solutions, Inc.	5137
Princeton Information Ltd.	5545
Proc Step Inc	6048
Promium LLC	5868
Randstad North America, L.P.	5578
Randy Boyette Tractor & Trucking, Inc.	134
Ridge Equipment Co.	6728
Ring Power Corp.	3774
Ryan Herco Products Corp.	5469
Sanders Company Inc	2644
Securance LLC	6250
SHI International Co	2151
Siemens Industry, Inc.	2817

Vendor Name	Vndr #
Siemens Industry, Inc.	4172
Skillsoft Corporation	6180
Southern Computer Supplies, Inc.	1687
Spivey Utility Construction Co. Inc.	736
Standard Sand and Silica Co.	1781
Sunbelt Rentals Inc	1228
Sunshine State One Call of Florida, Inc.	761
Survalent Technology, Inc.	6194
Swan Analytical USA, Inc.	5729
Sylint Group Inc	6121
Synapse Networks Inc	5807
Tampa Bay Estuary Program	2544
Tampa Bay System Sales	934
Team Technical Services	1576
Technology Integration Group	4429
Teledyne Tekmar	784
Tencarva Machinery Company	1571
Testamerica Laboratories, Inc.	2575
The Avanti Company Inc.	1641
The Greentree Group, Inc.	5911
The Mathworks, Inc.	3227
The Tire Choice	5208
Thermo Electron North America LLC	3638
Trinova Inc.	5644
Tyler Technologies, Inc.	213
Universal Protection Service LP	6116
University Of Florida (868/4497/867)	866
University of South Florida	869
Valco Instruments Co. Inc.	4549
Venatore, LLC	6788
Veredus/Hays Holding	5877
Verizon	427
W W Grainger Inc	398
Water Research Foundation	1468
Water Treatment & Controls Co.	836
Watereuse Foundation	4042
Waterford Technologies, Inc.	5100
WFTS-TV	1423
World Wide Technology, LLC	6512
Wright Express Corp	5294
Xylem Water Solutions	6176

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM A.16

DATE: September 1, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Fiscal Year 2023 Carry Forward and Transfers of Encumbered and Unencumbered Funds - *Approve*

SUMMARY

Transfers of estimated unexpended funds from the current fiscal year's Gross Revenues, both encumbered and unencumbered, are being requested to either be moved forward to the next fiscal year or transferred into other Agency funds. The requested fiscal year 2023 transfers are detailed below and include their stated purpose and amount. Some of the requested transfer amounts are estimates based upon the agency's activity through end of July 2023 and final calculations will be done upon completion of the annual financial audit. Final amounts for all estimated transfer requests will be reported to the Board together with the Comprehensive Annual Financial Report and the Independent Auditor's report.

SUGGESTED ACTION

Approve Fiscal Year 2023 requested carry forward funds and fund transfers.

COST/FUNDING SOURCE

Fiscal Year 2023 Gross Revenues. Transfers do not require additional funding and do not impact the approved 2023 or 2024 Uniform Rate.

DISCUSSION

Transfers of estimated unexpended funds from the current fiscal year's Gross Revenues, both encumbered and unencumbered, are being requested to either be moved forward to the next fiscal year or transferred into other Agency funds. Transfers being requested to carry forward to the next fiscal year must be recorded through the Rate Stabilization Account and then moved to the appropriate budget category at the beginning of the next fiscal year. The Agency is contractually required to complete the transfers within 90 days of the agency's fiscal year-end. To facilitate a timely year-end close, staff is recommending board-approval of the requested year-end carry forward transfers and estimated fund transfers, estimates have been provided for transfers where final calculation cannot be done until completion of the annual financial audit. The estimated amounts presented reflect our best estimates of what the final numbers will be based upon the agency's activity through the end of July 2023. This advance approval by the Board allows staff to make the required journal entries when the final numbers are calculated and insures the 90-day contractual requirement is met.

ENCUMBERED FUNDS: To provide funding for purchase orders that carryover to fiscal year 2024, an amount of funds equal to the open purchase orders, estimated at $14,870,224, will be placed into the Rate Stabilization Account at 9/30/23 and then will be moved back to the Operating Fund as of 10/1/23 to pay the actual costs incurred in fiscal year 2024. The purchase orders being carried forward represent board-approved activities that were budgeted and encumbered in fiscal year 2023 but could not be completed prior to the fiscal year-end.

UNENCUMBERED FUNDS: The estimated unencumbered funds of $13.7 million, results from higher interest income, higher water sales, cost savings realized on various fixed and variable costs and delays in procurement of goods and services due to supply chain issues. Below is the recommended fund transfers and requests to carry forward funds into fiscal year 2024. The carry forward requests listed below are totaled by object code; a detailed breakdown of the carry forward requests is provided in the attachment.

Operating Fund – Transfer unencumbered funds in the amount of $5,575,433 into the Rate Stabilization Account as of 9/30/23 and moved back to the Operating Fund in fiscal year 2024, to meet the costs of the Fiscal Year 2024 Operating Budget, as approved by the Board in May 2023.

Rate Stabilization Account/Materials & Operating Supplies - Carry forward unencumbered funds into fiscal year 2024 budget totaling $114,750 to cover procurement of water quality sensors and supplies for operations.

Rate Stabilization Account/Training – Carry forward unencumbered funds into the fiscal year 2024 budget in the amount of $25,000 to cover training for the operations and maintenance departments.

Rate Stabilization Account/Engineering Services – Carry forward unencumbered funds into the fiscal year 2024 budget totaling $1,310,000 for pipeline inspections and water quality assessments and water treatment processes tasks.

Rate Stabilization Account/Hydrological Services – Carry forward unencumbered funds into the fiscal year 2024 budget in the amount of $90,000 for a code development project.

Rate Stabilization Account/Other Professional Services – Carry forward unencumbered funds into the fiscal year 2024 budget in the amount of $84,000 for as-needed other professional services.

Rate Stabilization Account/Other Services – Carry forward unencumbered funds into the fiscal year 2024 budget in the amount of $85,000 for as-needed generator maintenance and repairs.

Rate Stabilization Account/Repair & Maintenance – Carry forward unencumbered funds into the fiscal year 2024 budget totaling $516,000 for HVAC repairs, paving, elevator repairs, painting, tree removal and moving fences.

Rate Stabilization Account/Facility Capital Improvements – Carry forward unencumbered funds into the fiscal year 2024 budget totaling $250,000 for board room improvements and connecting the lab/administration building to the main generator and Cypress Creek Pump Station.

Rate Stabilization Account/Machine & Equipment – Carry forward unencumbered funds into the fiscal year 2024 budget totaling $593,550 for procurement of water quality instruments, Ion Chromatography Tandem Mass Spectrometry, analyzer and digestion equipment for nutrients and a metal storage building.

Capital Improvement Fund – Transfer unencumbered funds up to $5,000,000, plus retention of interest earned by the fund, into the Capital Improvement Fund to be used for funding of board approved projects, if excess funds are available as estimated. This will assist in lowering the amount of future debt issuance needed. The retention of the interest in the fund is consistent with bond covenants and contractual requirements.

Renewal and Replacement Fund – Retain the interest earned by the fund, into the Renewal & Replacement Fund to be used for funding board approved projects. The Agency is currently devoting significant resources on our comprehensive Renewal and Replacement Program to enhance system reliability in the future. Adequate funding will be key to successful program implementation. As Agency assets age, the cost associated with the Renewal and Replacement Program will increase.

Utility Reserve – Transfer unencumbered funds up to $100,000, plus retention of interested earned by the fund into the Utility Reserve to improve meeting the bond covenant requirements.

Rate Stabilization - After moving forward funds and funding the preceding accounts and reserves any unencumbered funds available will be transferred into the Rate Stabilization Account to be available for use in 2024 or thereafter, as subsequently approved by the Board. Rate Stabilization Account funds may be used by the Board for future rate leveling in subsequent budget years or for such other purposes as the Board may deem appropriate. In addition to the application of any new funds collected in fiscal year 2023, Rate Stabilization funds approved by the Board in prior years remain in place to be used in subsequent years.

The attached table reflects the details of the requested carry forward transfer amounts and the estimated fund transfers to close fiscal year 2023. The actual finalized fund transfer amounts, as determined at year-end close, will be reported to the Board with the Comprehensive Annual Financial Report and the Independent Auditors' report.

BACKGROUND

As part of the year-end closing process, Tampa Bay Water is required to account for unexpended funds in accordance with its contractual requirements. The Agency's Bond Covenants require all Gross Revenues, other than Capital Improvement charges and Renewal and Replacement charges, be deposited promptly into the Revenue Account. Monies in the Revenue Account shall first be used to fund the Operations and Maintenance Reserve, the Sinking Funds and the Renewal and Replacement Fund as needed to meet governance balance requirements. The balance of any Gross Revenues remaining in the Revenue Account are to be transferred into the Utility Reserve Fund. The Bond Covenants further permit the creation of a Rate Stabilization Account and the funding as it deems appropriate. The Master Water Supply Contract requires any unencumbered moneys remaining at the end of the fiscal year be budgeted for the succeeding fiscal year and be used for the same purposes for which rates are charged to the members.

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 transfers of unencumbered amounts be brought to the Board for approval.

Attachment (1)

Transfer Table - Estimates

Fiscal Year 2023 Transfers to Fiscal Year 2024

Estimated Encumbered Funds at Year-end

Fund Destination	Transfer Description	Estimated Amounts
FY23-Rate Stabilization/FY24-Operating Fund	Open/Available Purchase Orders at year-end	$ 14,870,224 [1]

Unencumbered Funds at Year-end

Fund Destination	Transfer Description	Estimated Amounts
FY23-Rate Stabilization/FY24-Operating Fund	Approved FY24 budgeted unencumbered funds from FY23	$ 5,575,433
FY23-Rate Stabilization/FY24-Operating Fund	Materials & Operating Supplies - Xylem/YSI water quality sensors	$ 39,750
FY23-Rate Stabilization/FY24-Operating Fund	Materials & Operating Supplies - Operations	$ 75,000
FY23-Rate Stabilization/FY24-Operating Fund	Training - Operations and Maintenance	$ 25,000
FY23-Rate Stabilization/FY24-Operating Fund	Engineering Services - Reservoir embankment pipeline inspection	$ 60,000
FY23-Rate Stabilization/FY24-Operating Fund	Engineering Services - Reservoir & Surface Water algae removal study	$ 500,000
FY23-Rate Stabilization/FY24-Operating Fund	Engineering Services - Water quality assessment/water treatment tasks	$ 125,000
FY23-Rate Stabilization/FY24-Operating Fund	Engineering Services - Regional water quality study	$ 500,000
FY23-Rate Stabilization/FY24-Operating Fund	Engineering Services - Water quality Operations support	$ 125,000
FY23-Rate Stabilization/FY24-Operating Fund	Hyrdrological Services - Code development project	$ 90,000
FY23-Rate Stabilization/FY24-Operating Fund	Other Professional Services - As-needed services	$ 84,000
FY23-Rate Stabilization/FY24-Operating Fund	Other Services - Generator maintenance & repair	$ 85,000
FY23-Rate Stabilization/FY24-Operating Fund	Repair & Maintenance - Installation of materials and supplies	$ 75,000
FY23-Rate Stabilization/FY24-Operating Fund	Repair & Maintenance - HVAC repairs	$ 21,000
FY23-Rate Stabilization/FY24-Operating Fund	Repair & Maintenance - As-needed paving repairs	$ 200,000
FY23-Rate Stabilization/FY24-Operating Fund	Repair & Maintenance - Clearwater elevator door internals replacement	$ 45,000
FY23-Rate Stabilization/FY24-Operating Fund	Repair & Maintenance - Paint NCHI aerial crossing over TBC	$ 100,000
FY23-Rate Stabilization/FY24-Operating Fund	Repair & Maintenance - Brandon Booster facility-remove trees & move fence	$ 75,000
FY23-Rate Stabilization/FY24-Operating Fund	Facility Capital Imp. - Moveable Board room desks - Officers	$ 100,000
FY23-Rate Stabilization/FY24-Operating Fund	Facility Capital Imp. - Lab/Admin Bldg connection to main CCPS generator	$ 150,000
FY23-Rate Stabilization/FY24-Operating Fund	Machine & Equipment - New Badger Meter/S:CAN water quality instruments	$ 88,050
FY23-Rate Stabilization/FY24-Operating Fund	Machine & Equipment - Ion Chromatography Tandem Mass Spectrometry	$ 305,500
FY23-Rate Stabilization/FY24-Operating Fund	Machine & Equipment - Analyzer & digestion equipment for nutrients	$ 50,000
FY23-Rate Stabilization/FY24-Operating Fund	Machine & Equipment - Metal storage building	$ 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]
Renewal & Replacement Fund	Retain 2023 interest earnings within fund	Interest Earned [2]
Utility Reserve Fund	Retain 2023 interest earnings within fund and increase fund up to $200,000	Interest Earned Plus, up to $100,000 [2]
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

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.17

DATE: September 1, 2021

TO: Board of Directors

FROM: Barrie Buenaventura, General Counsel

SUBJECT: Special Counsel Current Assignments and Purchase Orders - *Approve*

SUMMARY

It is necessary to issue purchase orders to continue special counsel assignments beyond October 1, 2023, which is the start of Fiscal Year 2024.

SUGGESTED ACTION

Approve initial purchase orders for Fiscal Year 2024 to continue special counsel assignments and authorize adjustments to these purchase orders within the approved legal services budget to accommodate changes in assignment activities and workload.

COST/FUNDING SOURCE

Uniform Rate

DISCUSSION

This item deals solely with the continuation of legal assignments to special counsel law firms previously selected and approved by the Board.

The General Counsel recommends that the law firms indicated on the attached list continue to represent Tampa Bay Water in current and new assignments. Assignments being handled by special counsel and payments to each law firm are reported to the Board in the legal services activity report and legal services budget reports included with agenda materials for each Board meeting.

Further, it is recommended that initial purchase orders for Fiscal Year 2024 for each of these firms be established, as shown on Exhibit A.

If the Board approves this recommendation, special counsel assignments and purchase orders will be continued under the terms of current legal services contracts, with adjustments based on changes in assignment activities and workload. Any such adjustments will be made within the Board-approved budget for legal services and will not result in the transfer of any additional funding to the legal services budget without Board approval.

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EXHIBIT A

LAW FIRM	INITIAL PURCHASE ORDER AMOUNT TO BE PAID FROM UNIFORM RATE
Busack Law Firm **Assignments**: Real Property and Eminent Domain	$10,000
Conn & Buenaventura, P.A. **Assignments**: Special Assignments Outside the Scope of General Counsel Services Contract	$20,000
Dean Mead Egerton Bloodworth Capouano & Bozarth, P.A. **Assignments**: Legislative Representation and Governmental Affairs; Administrative Law; Environmental Law	$120,000
Gray Robinson, P.A. **Assignments:** Administrative Law; Construction Law; Contracts; Defense of Civil Claims; Eminent Domain; Real Property; Bankruptcy; Labor and Employment Law; Water Law	$50,000
Nabors, Giblin, & Nickerson, P.A. **Assignments:** Administrative Law; Construction Law; Contracts; Defense of Civil Claims; Eminent Domain; Real Property; Labor and Employment Law; Water Law	$20,000

Stearns Weaver **Assignments:** Administrative Law, Construction Law; Defense of Civil Claims; Eminent Domain; Real Property; Bankruptcy; Labor and Employment Law; Water Law	$20,000

Legal Services Not Addressed Above

- Tampa Bay Water utilizes **Nabors, Giblin & Nickerson** as bond counsel, and **Gray Robinson** as disclosure counsel. Payment for these services is made from bond proceeds and, therefore, purchase orders for these services are not established since they are not paid from funds in the legal services budget.
- Tampa Bay Water utilizes Gray Robinson for property acquisition services pertaining to the South Hillsborough Pipeline. Payment for these services is made from bond funds and is reported to the Board in the legal budget agenda item and monthly budget reports.
- Tampa Bay Water currently utilizes Conn & Buenaventura, P.A. for General Counsel services under Contract 2021-049. The term of Contract 2021-049 will expire on December 31, 2023, unless extended. It is anticipated that contract arrangements will be made with another firm to provide General Counsel services thereafter. Expenditures pursuant to Contract 2021-049 and any future contract(s) for General Counsel services will be paid for out of the FY 2024 General Counsel budget and will be reported to the Board in the legal budget agenda item and monthly budget reports.

AGENDA ITEM B.1

DATE: September 1, 2023

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

Agency Status and Outlook

From October 1 through August 31, the agency delivered an average of 201.57 million gallons per day (mgd) which is 6.4% higher than the same period as last year.

- Consolidated Wellfield Permit 12-month-running-average – 87.13 mgd (limit 90 mgd)
- South-Central Hillsborough Regional Wellfield 12-month-running-average – 26.32 mgd (limit 24.95 mgd)
- Regional Surface Water Treatment Plant averaged 87.78 mgd in August
- Regional Reservoir – Volume: 12.63 billion gallons or 82% full

- Received 8.3 inches of rainfall in August
- Water Shortage Mitigation Stage - Normal
- 150 full-time equivalent positions filled (160 positions budgeted)
- $185,889,634 received in revenue vs. $156,143,555 expended through the end of July

Hurricane Idalia Preparations and System Status Post Storm

The agency fared very well before, during and after Hurricane Idalia passed the area on August 29-30. The regional water supply system was on-line during storm conditions with only minor effects from power outages. We activated our Incident Command Structure and Emergency Operations Center at our Cypress Creek location and had it staffed throughout the storm event. The agency took several operational steps prior to the storm per our Hurricane Preparedness Plan, including:

- Shutting down the Keller H2S Facility
- Moving critical facilities to generator power
- Lowering the flow to the Surface Water Treatment Plant to use only gravity fed reservoir water
- Worked with the District and the City of Tampa to manage Tampa Bypass Canal and Hillsborough River levels

Welcoming New Partner at Tampa Bay Seawater Desalination Facility

On September 1, 2023, Tampa Bay Water welcomed a new partner to the Tampa Bay Seawater Desalination Facility – U.S. Water Services Corporation. U.S. Water Services Corporation bought out American Water Enterprises, LLC's 50% ownership in the facility. Under this new arrangement, Acciona Agua, LLC, continues as 50% partner in the facility's operations and the operating entity was renamed U.S. Water – Acciona Seawater Desalination Partners, LLC. In addition, the operating contract previously slated to end in November 2024 was extended through November 2029. All previous American Water personnel were retained by the new entity.

Continuous Improvement and Strategic Planning

A critical part of the agency's vision to be a leader in supplying sustainable, quality water is to develop a continuous improvement culture. The agency's executive team recently approved a continuous improvement framework for the agency and is beginning the first steps of implementation including change management training and holding an executive-level workshop to develop tactics for continuous improvement implementation to incorporate into the agency's strategic plan. Main components of the agency's new continuous improvement framework include: 1) agency wide effort to document critical policies, procedures and processes, 2) development of comprehensive training program, 3) creation and implementation of an agency wide corrective and preventative action program to identify and find solutions for problems as they arise or before they arise.

Upcoming Items of Note

October (Board Meeting October 16, 2023)

- October 1 - New Fiscal Year Begins
- Executive/Selection Committee conducts interviews of general counsel firms following Board meeting and selection of top-ranked firm
- Construction Update
- Draft 2023 Long-term Master Water Plan Update presentation

November (Board Meeting November 13, 2023)

- Board approval of 2023 Long-term Master Water Plan Update
- Member Government Presentation from City of St. Petersburg
- Executive/Selection Committee recommends top-ranked general counsel firm for Board approval
- Water Quality Update

December (No Board Meeting)

B.1 General Manager's Report Presentation

General Manager’s Report

Agenda Item B.1

September 18, 2023

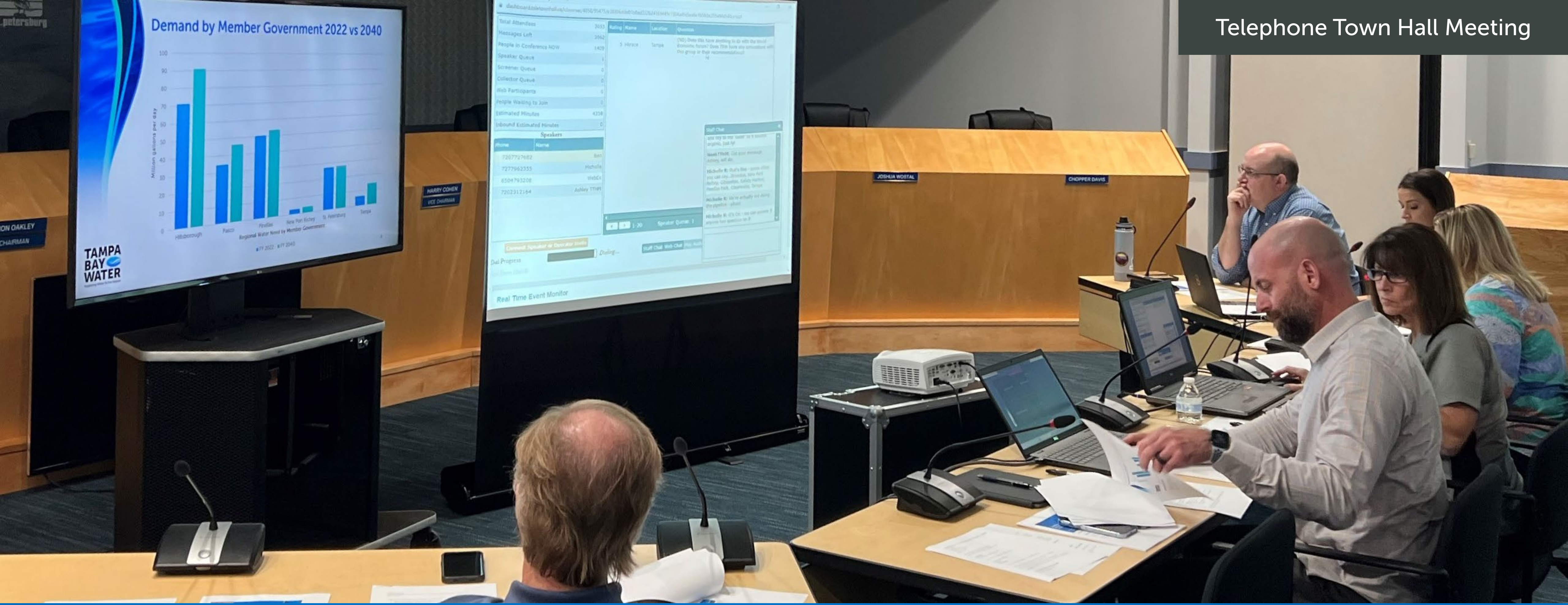
Chuck Carden
General Manager
Tampa Bay Water

TAMPA BAY WATER
Supplying Water To The Region

City of Tampa Council – 8/31

Pinellas County Board of County Commissioners – 9/7

Telephone Town Hall Meeting



BLOOMINGDALE

AMPLIFY
CLEARWATER

Rotary
Club of Dade City Sunrise

Long-term Master Water Plan Community Outreach Meetings

Building Owners and Managers Association (BOMA)
Sustainability Committee

AGENDA ITEM C.1

DATE: August 25, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Maribel Medina, Planning and Projects Director

SUBJECT: Fiscal Year 2025 Agency Funding Request from Southwest Florida Water Management District Grant Funding Program - *Approve*

SUMMARY

Tampa Bay Water has successfully received co-funding from the Southwest Florida Water Management District since the first configuration of Master Water Plan projects. The Agency continues its efforts to secure District, state and federal grant funding for agency projects and programs. This item provides an update on the projects that will be submitted for the Fiscal Year 2025 District co-funding program.

SUGGESTED ACTION

Approve.

COST/FUNDING SOURCE

N/A

DISCUSSION

Since 1998, the Agency has received more than $316 million in co-funding from the Southwest Florida

Water Management District (District) for Master Water Plan and Capital Improvements Program Projects. The District's application deadline for the Fiscal Year 2025 co-funding program is October 6, 2023. Tampa Bay Water is reapplying for two projects described below which have been previously funded by the District. Reapplication is required by the District to continue to receive funding on a Fiscal Year basis.

South Hillsborough Pipeline (Project Nos. 01610 and 01616): This project is needed to address the long-term water supply needs of Southern Hillsborough County and includes approximately 26 miles of approximately 42-inch to 66-inch diameter pipeline to convey treated water from the Regional Facilities Site to two Hillsborough County Points of Connection. The first delivery location will be at the existing Hillsborough County Lithia Water Treatment Plant and the second delivery will be at a new Point of Connection located south of the Lithia Water Treatment Plant, which has been identified by Hillsborough County as the AgMart property that was acquired by the Hillsborough County Water Resources Department. The project when completed, will increase capacity to Southern Hillsborough County by 65 million gallons per day (mgd). The pipeline will be designed and built in two segments and qualifies for co-funding up to $145,054,000. The total requested funds in previous fiscal years is $12,359,207. Tampa Bay Water will be requesting $3,500,000 million in co-funding for Fiscal Year 2025. In future years an additional total amount of $129,194,793 will be requested.

Tampa Bay Water Wise: Tampa Bay Water Wise is the regional water conservation rebate program, with 12 rebate types that save water in the residential and commercial sectors, across all members' service areas. The program's development is guided by the members through a Working Group, and the program is administered by a third-party contractor, EGIA. The Agency has secured cooperative funding for fiscal years 2020 through 2023. The agency is preparing an application for the Fiscal Year 2025 funding and is also exploring the concept with the District of extending the existing agreement as an alternative to cover the needed costs for Fiscal Year 2025. Fiscal Year 2025 project costs are projected to be $1,082,916. Tampa Bay Water is applying for funding for eligible costs which is projected to be $541,458. Ineligible costs are associated with the shallow well rebate as well as the customizable rebate program, the latter of which is funded separately by the District through their WISE program.

No new projects have been identified for District co-funding for Fiscal Year 2025.

BACKGROUND

The Agency secured $183 million through the Partnership Agreement with the District to assist in the development of eligible projects for System Configuration I. The District, State and Federal sources have provided funding for planning and design of alternative water supply projects. The District funded $11.25 million for design and construction of the West Pasco Infrastructure Project. The District and the Northern Tampa Bay Basin Boards co-funded $122,029,149 of System Configuration II. The Agency plans to seek co-funding for future water supply facilities.

C.1 2025 Funding Request form Southwest Florida Water Management District Presentation

Fiscal Year 2025 Funding Request from Southwest Florida Water Management District

Agenda Item C.1

September 18, 2023

Maribel Medina, P.E., PMP
Planning and Projects Director

TAMPA BAY WATER
Supplying Water To The Region

Partnership and Funding History

- Configuration I: $183 million
- Configuration II: $122 million
- West Pasco Infrastructure Project: $11.25 million
- Brandon Booster Station: $5.3 million
- South Hillsborough Pipeline: $145 million
- Other Projects: $5.8 million

~$473 million received or committed for funding

Southwest Florida Water Management District

Cooperative Funding Initiative Funding Requests

Due October 6, 2023

Submitted Each Year

Based on Planned Expenditures per Fiscal Year

TAMPA BAY
water wise

Save up to 3.8 million gallons per day by 2030

Previous requests: $1,982,013

Lower cost than developing new supplies

Fiscal year 2025 funding request: $541,458

TAMPA BAY WATER
Supplying Water To The Region

South Hillsborough Pipeline

26 miles long

Allowable co-funding: $145,054,000

Up to 66-inch diameter

Previous requests: $12,359,207

Lithia and Balm points of connections

Fiscal year 2025 funding request: $3,500,000

Recommendation

Approve fiscal year 2025 District co-funding requests for both the South Hillsborough Pipeline and Tampa Bay Water Wise.

Questions

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM C.2

DATE: September 4, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Tommy Brown, Continuous Improvement Director

SUBJECT: Tampa Bay Water Strategic Plan - 2022-2027 - Updated 2023 - *Approve*

SUMMARY

In July 2023, staff completed a review of the 2022-2027 Tampa Bay Water Strategic Plan. At the August 2023 Board meeting, staff proposed changes to the Strategic Plan for Board consideration. At the September 2023 Board meeting, staff requests approval of the 2022-2027 Tampa Bay Water Strategic Plan - Updated 2023.

SUGGESTED ACTION

Approve plan revisions.

COST/FUNDING SOURCE

N/A

DISCUSSION

At the August 2023 Board Meeting, staff proposed six changes to the 2022-2027 Tampa Bay Water Strategic Plan. The proposed changes were developed by staff after:

- Reviewing the continued relevancy of each of the existing 100 tactics
- Reviewing the progress of the 85 relevant tactics
- Reviewing and discussing the results of the Business Environment Scan completed by the

Leadership team, identifying new internal and external factors needing consideration in the Plan.

The following changes have been proposed and incorporated into a draft 2022-2027 Tampa Bay Water Strategic Plan Version 2:

Proposed Change	**Current**	**Proposed**
Restate Goal 1	Water Supply – Goal 1 Deliver Quality Water and Enhance System Reliability and Sustainability	Water Supply – Goal 1 Enhance System Reliability and Sustainability
Restate Goal 3	Financial Management – Goal 3 Optimize Financial Stability and Sustainability	Financial Management – Goal 3 Optimize Future Financial Stability
Restate Goal 4	Stakeholder and Regional Collaboration – Goal 4 Promote Open, Collaborative Relationships with Stakeholders	Stakeholder and Regional Collaboration – Goal 4 Enhance Our Relationships with Stakeholders
Restate Goal 3, Objective 2	Preserve strong bond rating	Optimize our future debt structure
Restate Goal 5, Objective 3	Prioritize employee safety	Enhance our safety program
Board Approves Goals and Objectives	Board Approves Goals, Objectives, and Strategies	Board Approves Goals and Objectives

BACKGROUND

In response to the 2020 Management and Performance Audit recommendations 6 and 7 to create a new agency strategic plan and to create an agency performance measurement system, the agency engaged WSP USA, Inc., to facilitate and lead staff through a strategic planning and performance measurement process that kicked off in March 2021. Ten workshops were held with agency managers, senior managers and executive team members from March through December 2021 to update the agency's strategic plan components. At its July 2021 board meeting, the Tampa Bay Water Board of Directors affirmed the agency's revised vision statement and six strategic goals. Staff then completed the plan objectives, and strategies and presented them to the Board of Directors at its January 2022 meeting. At that meeting the Board approved the 2022-2027 Tampa Bay Water Strategic Plan. Since then, staff has identified key performance measures that are reported at each board meeting in the Tampa Bay Water Performance Dashboard, and staff have developed 100 unique tactical efforts to implement the 44 strategies in the plan. Staff has also developed a process for periodically reviewing and reporting implementation progress on these tactical efforts.

In July 2023, staff completed its initial progress reporting. In summary, the Agency is executing its plan well, as evidenced by:

- Only 15% of tactics developed have been abandoned or deemed no longer relevant
- 26% of relevant tactics have been completed

- 34% of relevant tactics are in-progress, with 52% of tactics in-progress greater than 50% complete
- 83% of goals have an average percent complete for relevant tactics ahead of the benchmark
- 72% of objectives have an average percent complete for relevant tactics ahead of the benchmark
- 73% of relevant tactics are on or ahead of schedule
- 92% of relevant tactics are characterized as going as-expected or better

Tampa Bay Water Strategic Plan - 2022-2027 - Updated 2023
C.2 Tampa Bay Water Strategic Plan 2022-2027 Update 2023 Presentation

Tampa Bay Water Strategic Plan – 2022-2027 Version 2 – Introduction

The Tampa Bay Water Strategic Plan describes the six strategic goals, objectives, strategies, and tactics and key performance indicators necessary to carry out the policies set forth by the agency's board of directors and the strategic direction laid out in the Amended and Restated Interlocal and Master Water Supply agreements. Based on a five-year horizon, the Strategic Plan is updated annually in accordance with guiding policies and principles, related planning documents, and an analysis of current business trends.

The agency's member governments are represented through a nine-member board of directors. Tampa Bay Water was formed by the Florida Legislature under Sections 373.1962 and 163.01, Florida Statutes, which established the board of directors as the agency's governing body. This enabling legislation and the Amended and Restated Interlocal Agreement authorize Tampa Bay Water as the sole and exclusive supplier of Quality Water for its member governments; to meet its member government's water demands though implementing its master water planning process; to design, permit, construct, operate, and maintain water production and wholesale distribution facilities; and to incur bonded indebtedness and charge its customers a uniform wholesale rate.

In addition to the mandates in the agency's enacting legislation, the Amended and Restated Interlocal Agreement and the Master Water Supply Agreement, Tampa Bay Water's board of directors have adopted policies and principles consistent with those documents to guide the strategic direction of the agency. Those policies and procedures, as well as the strategic issues identified in three board of directors' workshops in 2020 and 2021, have been used in drafting the Tampa Bay Water Strategic Plan – 2022-2027.

The Strategic Plan is divided into six Strategic Goal areas that each recognize a key focus area of the agency. Each Strategic Goal area is then divided into Objectives that contain the management Strategies and Tactics necessary to achieve Tampa Bay Water's mission and vision.

Strategic Planning Process

Tampa Bay Water pursued a strategic planning update process that followed the book, *The Art of Strategic Leadership*, as recommended by the facilitator, WSP USA, Inc. This process uses skill and innovation to lead an organization to define and achieve a shared strategic direction. The process is proven to create a sustainable, programmatic approach to the development of an organization's strategy and leadership. It includes specific and intentional approaches that ensure implementation of the strategic plan will occur.

A key component of the process is the selection of a Core Planning Team. Tampa Bay Water's Core Planning Team was made up of agency managers, senior managers and executive team members. This team met in a series of ten workshops over ten months from March 2021 to December 2021 to develop the agency's new vision, and strategic goals, objectives, strategies and tactics to meet that vision. The Core Planning Team members gathered input and endorsement from all agency staff throughout the strategic planning process.

The role of the Core Planning Team was to be diverse and include existing and emergent agency leaders, to bring a wide range of perspectives to the strategic planning process and ultimately to build agency-wide acceptance for the strategic plan. During the workshops, team members were introduced to key performance indicators, understanding and working with different communications styles, using active listening skills, gaining staff endorsement, aligning everyday activities with the agency's mission and vision, and other tips for work prioritization.

In addition, Tampa Bay Water used several inputs to create the strategic plan including:

- Strengths, weaknesses, opportunities and threats and board-identified organizational issues from the board's three workshops throughout 2020 and the beginning of 2021.
- Recommendations and input from the agency's 2020 Performance and Management Audit by CliftonLarsonAllen.
- An internal Gap Analysis performed by the Core Planning Team to identify key organizational issues.

Each of these inputs provided the group with direction for creating the strategic goals, objectives, strategies and tactics.

The final products from the Core Planning Team effort include:

- The **Tampa Bay Water Strategic Plan – 2022-2027** that includes the agency's Mission, Vision, Strategic Goals, Objectives and Strategies.

- A one-year Strategic Tactical Plan that includes the most urgent and top-ranked strategies and tactics for staff implementation. This plan will be updated annually, and the priorities will be included in the agency's annual budget. In addition, these activities will be monitored closely on a quarterly basis by the agency's Strategic Leadership Team and Executive Management Team.

- Finally, the remaining strategies and tactics were consolidated into a Strategic Leadership Plan for the agency's Executive Management Team to prioritize annually.

In the spring of 2023, Tampa Bay Water staff developed a process to periodically review each strategic tactic for continued relevancy and to report its completion or progress towards its completion for Leadership and Board review ensuring accountability. Staff also developed a process to annually review the strategic plan's goals and objectives and provide recommendations to the Board for any proposed changes. This process includes completing a Business Environment Scan to identify any new internal or external factors that need consideration in the Strategic Plan. This process ensures the Strategic Plan remains a relevant tool that drives staff behavior and decision-making. Finally, staff developed an annual process for tactic planning and assignment. This process allows tactics to be assigned to staff as part of their annual individual performance management goal setting for the new fiscal year and provides input into the budget preparation process for the next fiscal year.

The following includes the agency's mission, vision, strategic goals, objectives and strategies for board consideration and approval.

Mission

Tampa Bay Water's mission is to reliably provide clean, safe water to the region now and for future generations.

Vision

Tampa Bay Water's vision is to be the leader in supplying sustainable, quality water.

Water Supply – Goal 1 – Enhance System Reliability and Sustainability

The Water Supply Strategic Goal consists of four Objectives that meet the agency's commitments and mandates.

1. **Achieve 100% compliance with regional contract requirements and permit limitations.**
   The Compliance Objective was developed to guide implementation of the agency's core mandates and responsibilities and to ensure a reliable, high-quality water supply.

2. **Continually evaluate options to enhance water quality and public health protection.**
   The Water Quality objective focuses on meeting current and future challenges and ensures delivery of high-quality water meeting Board of Director's policies and the Interlocal Agreement's water quality standard.

3. **Ensure resilience of infrastructure and supplies due to climate change and sea level rise.**
   The Resilience Objective focuses on the agency's preparedness for Climate Change threats.

4. **Conserve an additional 3.8 million gallons per day regionally by 2030.**
   The Conservation Objective contains one Strategy that focuses on modifying the agency's demand on the most cost-effective basis to minimize or defer future capital costs.

Continuous Improvement – Goal 2 – Continuously Improve Agency Operations

To meet its commitments to its member governments and achieve Tampa Bay Water's vision requires agency leadership to commit to being a learning organization and to seek continuous improvement. The Continuous Improvement goal supports the agency's ability to adapt, be innovative and systematically enhance targeted management and operational performance.

1. **Develop continuous improvement organizational program.**
   The Organizational Continuous Improvement Program objective helps the Agency meet future challenges and identifies new skills and business processes needed to improve knowledge retention and training and optimizes operational responsiveness and efficiency.

2. **Strengthen Information Technology and Data Management programs.**
   Moving Tampa Bay Water master planning systems onto GIS platforms, increasing the usage of the agency's Computer Maintenance Management System and optimizing asset management practices improves agency performance.

Financial Management – Goal 3 – Optimize Future Financial Stability

The Financial Management goal includes three Objectives that maintain and enhance the predictability and sustainability of Tampa Bay Water's uniform rate.

1. **Maintain uniform rate predictability.**
   Predicting and optimizing future Uniform Rates is dependent on multi-variate operations and maintenance and capital project cost data and income inputs. Adopting financial tools and procedures and conducting cost-benefit evaluations aid in ensuring reliable agency rate projections.

2. **Optimize our future debt structure.**
   The Agency's cost of future capital funds is to the size and structure of our debt. Optimizing our debt structure helps us reduce variability of our future uniform rates and supports our future financial stability.

3. **Pursue outside funding.**
   Tampa Bay Water can reduce its costs and minimize Uniform Rate increases by securing federal, state, or local appropriations, grants and cooperative research funding.

Stakeholder and Regional Collaboration – Goal 4 – Enhance Our Relationships with Stakeholders

Promoting Tampa Bay Water's interests as a regional water leader and creating a culture based on collaborative engagement with board members, member government utility leadership, staff and community partners enhances the level of service Tampa Bay Water provides to the regional community. Awareness of regional leadership at the local, state, and federal level ensures that member government interests are heard and known. The Stakeholder Relationship goal ensures effective communications throughout the Tampa Bay community.

1. **Increase awareness of agency as water leader.**
   Tampa Bay Water emerged from the Water Wars of the eighties and nineties as a model of regional cooperation for cost-effectively providing critical infrastructure for the region's water supply. This Objective is about creating a pathway for policy leaders to find optimal regional solutions.

2. **Increase collaboration with member governments.**
   Providing water supply services requires addressing challenges due to the constantly changing demands of growth, increasing customer satisfaction and education, understanding regulatory changes to protect public health, understanding local levels of service, and collaborating with member government staff towards common interests.

3. **Increase awareness of agency projects and initiatives.**
   Today, one of the greatest challenges to water agencies is having customers understand the value of the water delivered to their taps and instilling and maintaining trust. This Objective continues the agency's proactive and positive community presence to underscore the value of having a regional solution for water supply.

Workforce Learning and Growth – Goal 5 – Ensure an Engaged, Skilled and Adaptable Workforce

Tampa Bay Water is committed to its mission and to promoting the agency's collective interests as a regional water leader. To achieve these, the agency must maintain sustainability with an unprecedented number of retiring employees, shifting demographics, and a declining number of science and technical students receiving water-related degrees and/or technical training. Central to meeting this challenge is developing agency leaders, training staff, developing skills, promoting employee engagement and communication, and managing for retention. In addition, employee safety is at the forefront for the agency.

1. **Promote Workforce Training and Development**
   The Training and Development objective enhances the Agency's workforce leadership skills to promote sustainable management and develops agency training to improve employee skills and adaptability.

2. **Recruit and Retain an Engaged and Skilled Workforce**
   The Recruiting and Retention objective focuses on employee engagement and conducts collaborative workforce communications to provide feedback for Agency continuous improvement efforts.

3. **Enhance our Safety Program**
   The Safety program objective creates a safety-first agency culture and creates tools that promote safe work environments.

Security and Readiness – Goal 6 – Safeguard Agency Infrastructure

Tampa Bay Water must be prepared to overcome many significant threats and challenges – both physical and cyber. In this digital age, information has intrinsic value and is shared and leveraged within an organization to support personnel and optimize working processes. One of the greater challenges a water agency faces is cyber threats. This goal addresses both physical assets and information technology systems including preparedness, risk and resiliency, security, and the organization's ability to recover from emergencies.

1. **Improve agency risk and resiliency program.**
   The Risk and Resiliency objective tests the organization's emergency readiness and focuses on Comprehensive Continuity of Operations to ensure the ability to deliver on our commitments to our members.

2. **Secure agency physical assets.**
   The Secure Agency Physical Assets Objective includes implementing a transformative Safety and Security Field Assessment Program that is critical to operationalize safety and security performance standards agencywide and advancing the Information Technology Asset Management Program to ensure the security of organizational resources.

3. **Enhance comprehensive cyber security program.**
   As critical infrastructure, it's imperative the agency has a comprehensive cybersecurity program to guard the agency and water system against cyber threats.

2022-2027 Strategic Plan - Updated 2023

Agenda Item C.2

September 18, 2023

Tommy Brown, CPIM, SSBB, CCP
Continuous Improvement Director
Tampa Bay Water

TAMPA BAY WATER
Supplying Water To The Region

TAMPA BAY WATER
Supplying Water To The Region

Proposed Changes

Proposed Change	Current	Proposed
Restate Goal 1	Water Supply – Goal 1 Deliver Quality Water and Enhance System Reliability and Sustainability	Water Supply – Goal 1 Enhance System Reliability and Sustainability
Restate Goal 3	Financial Management – Goal 3 Optimize Financial Stability and Sustainability	Financial Management – Goal 3 Optimize Future Financial Stability
Restate Goal 4	Stakeholder and Regional Collaboration – Goal 4 Promote Open, Collaborative Relationships with Stakeholders	Stakeholder and Regional Collaboration – Goal 4 Enhance Our Relationships with Stakeholders

TAMPA BAY WATER

Proposed Changes

Proposed Change	Current	Proposed
Restate Goal 3, Objective 2	Preserve strong bond rating	Optimize our future debt structure
Restate Goal 5, Objective 3	Prioritize employee safety	Enhance our safety program
Board approves goals and objectives	Board approves goals, objectives and strategies	Board approves goals and objectives

Tampa Bay Water Strategic Plan 2022-2027 - Updated 2023

Goal 1 – Enhance System Reliability and Sustainability

Objective 1 - Achieve 100% compliance with regional contract requirements and permit limitations

- The Compliance Objective was developed to guide implementation of the agency's core mandates and responsibilities and to ensure a reliable, high-quality water supply.

Objective 2 - Continually evaluate options to enhance water quality and public health protection

- The Water Quality Objective focuses on meeting current and future challenges and ensures delivery of high-quality water meeting Board of Director's policies and the Interlocal Agreement's water quality standard.

Goal 1 – Enhance System Reliability and Sustainability

Objective 3 - Ensure resilience of infrastructure and supplies due to climate change and sea level rise

- The Resilience Objective focuses on the agency's preparedness for climate change threats.

Objective 4 - Conserve an additional 3.8 million gallons per day regionally by 2030

- The Conservation Objective contains one strategy that focuses on modifying the agency's demand on the most cost-effective basis to minimize or defer future capital costs.

Goal 2 – Continuously Improve Agency Operations

Objective 1 - Develop a continuous improvement organizational program.

- The Organizational Continuous Improvement Program Objective helps the agency meet future challenges and identifies new skills and business processes needed to improve knowledge retention and training and optimizes operational responsiveness and efficiency.

Objective 2 - Strengthen information technology and data management programs

- Moving Tampa Bay Water master planning systems onto geographic information system platforms, increasing the usage of the agency's Computer Maintenance Management System and optimizing asset management practices improves agency performance.

Goal 3 – Optimize Future Financial Stability

Objective 1 - Maintain uniform rate predictability

- Predicting and optimizing future uniform rates is dependent on multi-variate operations and maintenance and capital project cost data and income inputs. Adopting financial tools and procedures and conducting cost-benefit evaluations aid in ensuring reliable agency rate projections.

Objective 2 - Optimize our future debt structure

- The agency's cost of future capital funds is tied to the size and structure of our debt. Optimizing our debt structure helps us reduce variability of our future uniform rates and supports our future financial stability.

Goal 3 – Optimize Future Financial Stability

Objective 3 - Pursue outside funding

- Tampa Bay Water can reduce its costs and minimize Uniform Rate increases by securing federal, state, or local appropriations, grants and cooperative research funding.

Goal 4 – Enhance Our Relationships with Stakeholders

Objective 1 - Increase awareness of agency as a water leader

- Tampa Bay Water emerged from the Water Wars of the eighties and nineties as a model of regional cooperation for cost-effectively providing critical infrastructure for the region's water supply. This objective is about creating a pathway for policy leaders to find optimal regional solutions.

Objective 2 - Increase collaboration with member governments

- Providing water supply services requires addressing challenges due to the constantly changing demands of growth, increasing customer satisfaction and education, understanding regulatory changes to protect public health, understanding local levels of service, and collaborating with member government staff towards common interests.

Goal 4 – Enhance Our Relationships with Stakeholders

Objective 3 - Increase awareness of agency projects and initiatives

- Today, one of the greatest challenges to water agencies is having customers understand the value of the water delivered to their taps and instilling and maintaining trust. This objective continues the agency's proactive and positive community presence to underscore the value of having a regional solution for water supply.

Goal 5 – Ensure an Engaged, Skilled and Adaptable Workforce

Objective 1 - Promote workforce training and development

- The Training and Development Objective enhances the agency's workforce leadership skills to promote sustainable management and develops agency training to improve employee skills and adaptability.

Objective 2 - Recruit and retain an engaged and skilled workforce

- The Recruiting and Retention Objective focuses on employee engagement and conducts collaborative workforce communications to provide feedback for agency continuous improvement efforts.

Goal 5 – Ensure an Engaged, Skilled and Adaptable Workforce

Objective 3 - Enhance our safety program

- The Safety Program Objective creates a safety-first agency culture and creates tools that promote safe work environments.

Goal 6 – Safeguard Agency Infrastructure

Objective 1 - Improve agency risk and resiliency program

- The Risk and Resiliency Objective tests the organization's emergency readiness and focuses on comprehensive continuity of operations to ensure the ability to deliver on our commitments to our members.

Objective 2 - Secure agency physical assets

- The Secure Agency Physical Assets Objective includes implementing a transformative safety and security field assessment program that is critical to operationalize safety and security performance standards agencywide and advancing the information technology asset management program to ensure the security of organizational resources.

Goal 6 – Safeguard Agency Infrastructure

Objective 3 - Enhance comprehensive cyber security program

- As critical infrastructure, it's imperative the agency has a comprehensive cybersecurity program to guard the agency and water system against cyber threats.

Recommendation

Approve the Tampa Bay Water Strategic Plan 2022-2027 - Updated 2023.

Questions

AGENDA ITEM D.1

DATE: September 1, 2023

TO: Board of Directors

FROM: Charles H. Carden, General Manager

SUBJECT: Member Government Report - Hillsborough County - *Presentation*

SUMMARY

Hillsborough County will provide a presentation on its water supply system and current topics of interest.

SUGGESTED ACTION

Receive Presentation.

COST/FUNDING SOURCE

N/A

DISCUSSION

As requested by the Board of Directors, each member government utility will be given the opportunity to present its current water operations and any other topics that may be of interest to the member governments. Lisa Rhea, Hillsborough County Water Resource Director, will give the presentation.

D.1 Member Government Report - Hillsborough County Presentation

D-1: Member Government Report
Hillsborough County
Water Resources Department

Tampa Bay Water Board Meeting
September 18, 2023

Presented by:
Lisa R. Rhea, PE
Director of Water Resources

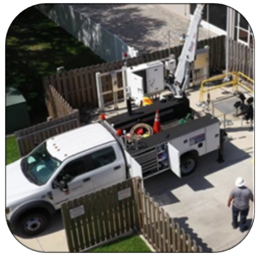
Hillsborough County Florida

Department Vision and Mission

We are innovative water industry leaders who think, imagine, advocate, and improve; building prosperity for our community

We reliably and efficiently provide safe drinking water, wastewater treatment, and reclaimed water services in a fiscally and environmentally responsible manner.

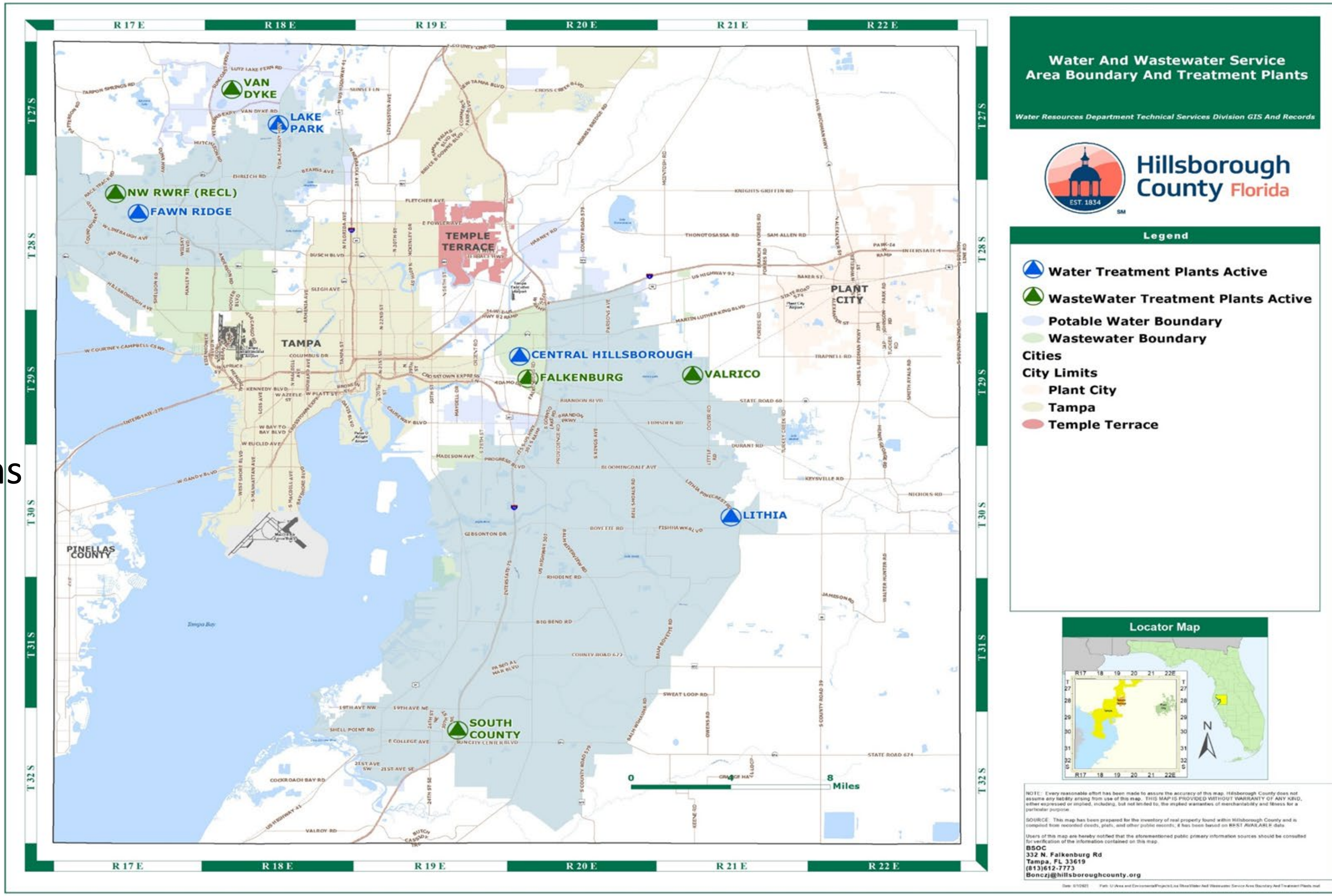
We protect the health, safety, and infrastructure entrusted to us.



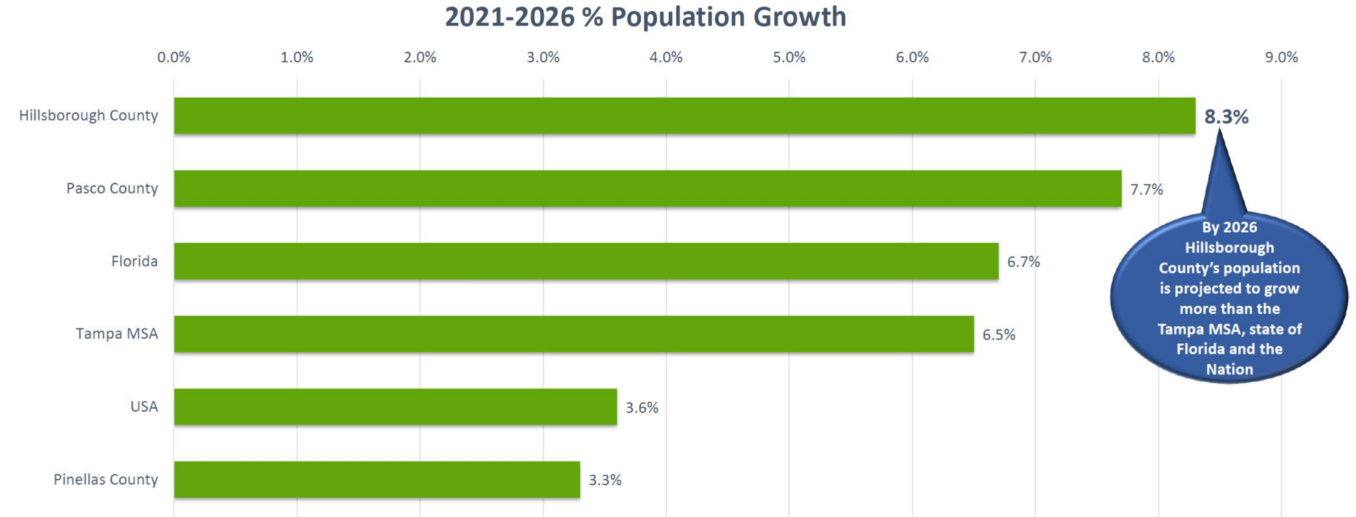
We plan, build, sustain, and improve.

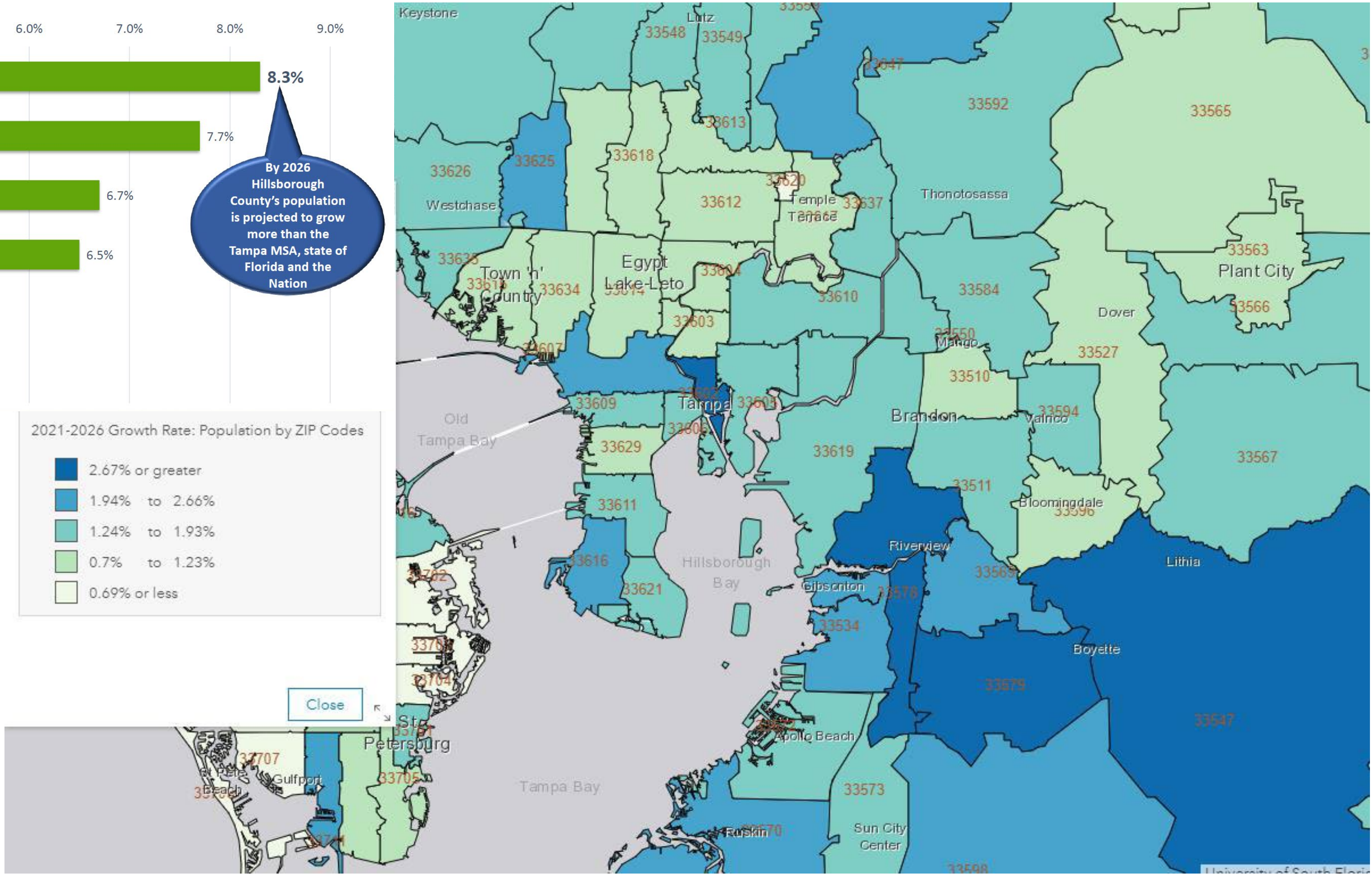
System Overview

- Potable Water
  - 4 Water Treatment Plants
  - 2 Water Booster Pump Stations
  - 2,897 Miles of Pipe
- Wastewater
  - 5 Regional WW Treatment Plants
  - 869 Public Lift Stations
  - 1,353 Low-Pressure Sewer Stations
  - 39,309 Manholes
  - 2,800 Miles of Pipe
- Reclaimed Water
  - 4 Recharge Wells
  - 273 Miles of Pipe



System Growth



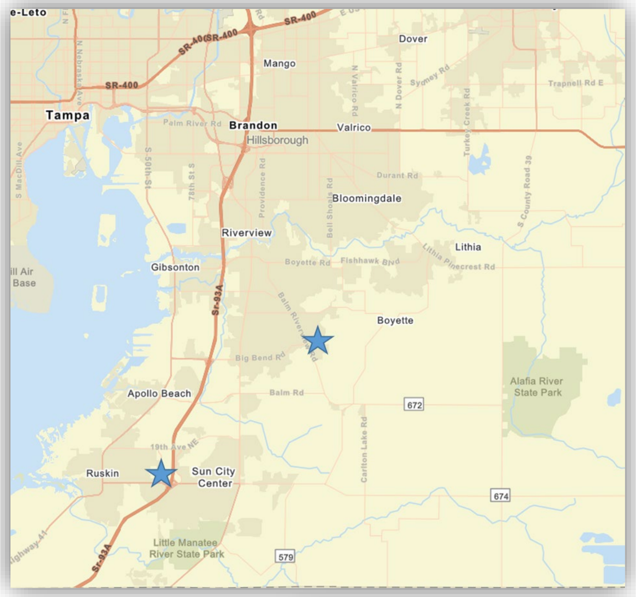


- 10th fastest growing county in the nation
- By 2040 over 165,000 new residents with 90% in the South-Central service area

Tampa Bay Economic Development Council, July 2021

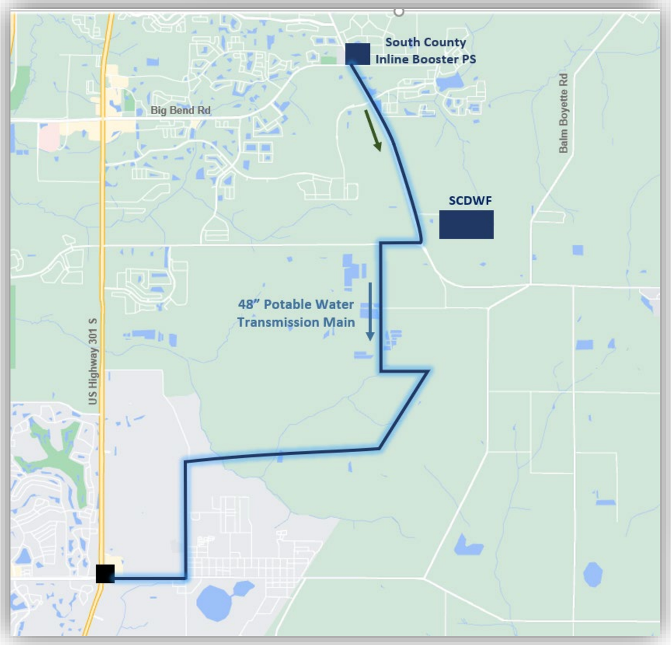
Completed Projects in South County

- Potable Water Repump Station
  - Completed March 2022
  - 31.25 MGD total pumping capacity
  - 3 MG new storage
  - 6 MG total storage
- Potable Water In-Line Booster Pump Station
  - Completed October 2022
  - 50 MGD peak pumping capacity
  - Maintain 40 psi minimum pressure



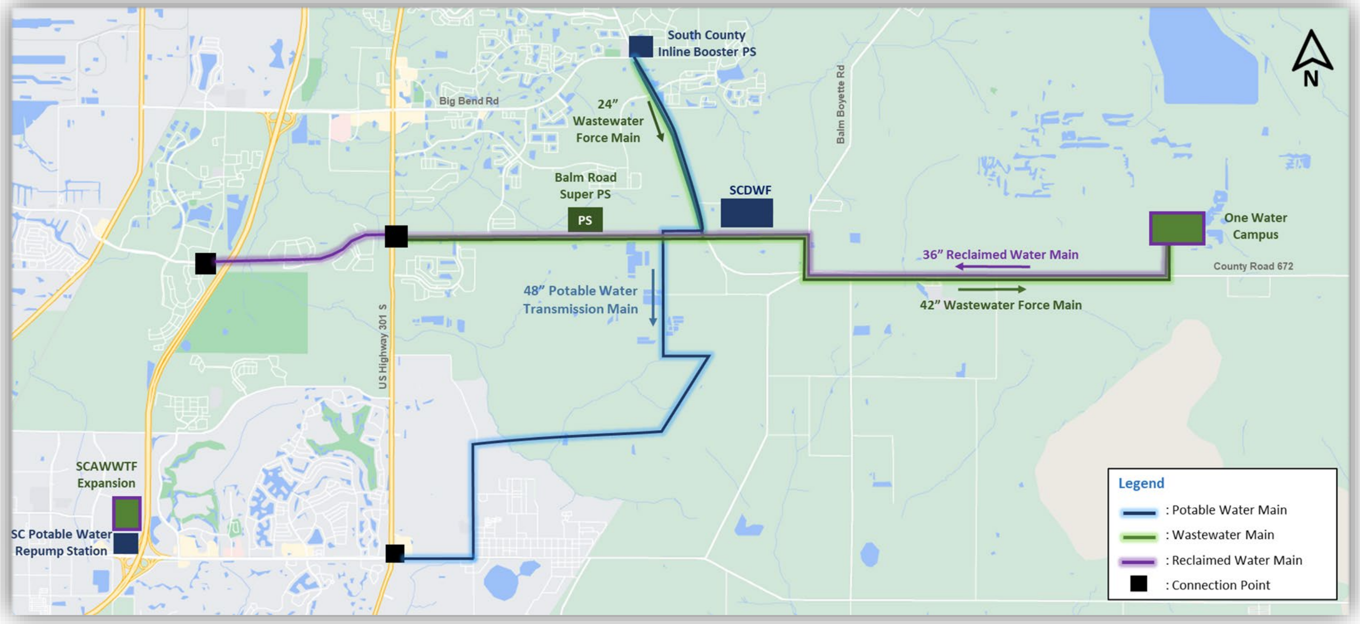
On Going Projects In South County

- Drinking Water Transmission Main
  - 10.7 miles of 42” and 48” pipe
  - Up to 100 MGD at peak flow
  - Fall 2024 scheduled completion
- South County AWWTF Modular Expansion
  - Phased capacity increases:
  - 11 MGD – Summer 2024
  - 13 MGD – Summer 2025
  - 14 MGD – Under consideration
- South Hillsborough Aquifer Recharge
  - 6 Wells planned
  - 3 Wells completed



Future Projects in South County

- One Water Campus – Potable Water Treatment Plant
  - Test well pipeline, temporary treatment, permanent 25 MGD treatment plant
  - Interim milestone Q4 FY26
  - Anticipated final completion Q3 FY28
- One Water Campus – Wastewater Conveyance and Treatment
  - Super pump station, wastewater and reclaimed water pipelines and minimum 18.5 MGD advanced WWTF
  - Progressive Design Build
  - Anticipated completion Q3 FY28
- Falkenburg AWWTF Capacity Upgrade
- On Going System R&R



Thank you!

Hillsborough County Florida

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM D.2

DATE: September 1, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Warren Hogg, Chief Science Officer

SUBJECT: Water Quality Update - *Presentation*

SUMMARY

The Water Quality Update summarizes agency water quality compliance and studies through August 2023 and member government distribution systems performance through July 2023.

SUGGESTED ACTION

Receive Presentation.

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 except turbidity at the point of connection with the Cosme Water Treatment Plant. Turbidity slightly above the 1 NTU running annual average requirement at this location has been discussed with the City of St. Petersburg. This is not a drinking water concern because turbidity is removed by the Cosme Water Treatment Plant's lime-softening process.

Proposed PFAS National Primary Drinking Water Regulation

The Environmental Protection Agency (EPA) announced proposed Maximum Contaminant Limits (MCLs) for six polyfluoroalkyl substances (PFAS) in March 2023. The proposed MCLs are for two individual PFAS substances, perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS); and a mixture of four PFAS substances, perfluorononanoic acid (PFNA), perfluorohexane sulfonic acid (PFHxS), perfluorobutane sulfonic acid (PFBS), and hexafluoropropylene oxide dimer acid (HFPO-DA, commonly referred to as GenX Chemicals). The EPA is currently reviewing public comments and plans to finalize the MCLs in January 2024. These MCLs potentially 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. The City of Tampa performed UCMR5 sampling in January 2023 and April 2023. All other member governments began sampling in July 2023. Tampa Bay Water worked with these members to voluntarily perform supplemental sampling and analysis that will provide additional PFAS data to benefit the region. The first of four quarterly sampling events was completed July 17-19, 2023. Data from Tampa Bay Water's laboratory for this first sampling event is currently being reviewed by staff. Data from members' contractor laboratories for this first sampling event are expected in September 2023. These data could potentially affect the Regional Water Quality Study recommendations, as discussed below. **Staff will summarize all available data at the September 18, 2023 Board Meeting.**

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 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.

The EPA's proposed PFAS MCLs, which will be used to identify if PFAS treatment may be necessary, are not expected to become final until January 2024, possibly later. Public comment and future litigation could delay and possibly alter the currently proposed MCLs. 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 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. This analysis cannot begin until sufficient PFAS data are available for review. 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.

Lastly, if PFAS treatment is not required (i.e., after review of UCMR5 data), 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 byproducts formation potential in members' distribution systems, as requested by some members. Work was completed in June 2023 and these data were discussed with members at the Water Quality Working Group/Operations Coordination meeting on July 13, 2023. The data showed that in the absence of TOC reduction, disinfection byproducts would exceed MCLs during prolonged free chlorine contact periods that represent water ages in some members' distribution systems. These findings will be further discussed with Utility Directors to develop a recommended approach to regional free chlorine maintenance.

Regional Transmission System - Chloramines and Nitrites

Chloramine stability and lower nitrites continue to be observed in the regional transmission system; however, some decay has been observed with the recent record summer temperatures. Staff is studying potential causes for chloramine decay and elevated nitrites in parts of the regional delivery system during summer months, particularly in the northwest service area. The Water Research Foundation (WRF) recently performed a literature search of utility systems with similar observations. Discussion with the WRF and staff literature reviews continue. Status reports are presented at the Water Quality Working Group/Operations Coordination monthly meetings. During the most recent meeting, members expressed interest in exploring potential options for continuous monitoring of nitrites in the regional transmission system. These will be evaluated by members and staff and presented to management.

Northwest Hillsborough Wellfield and Regional Blends

Work continued 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.

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.

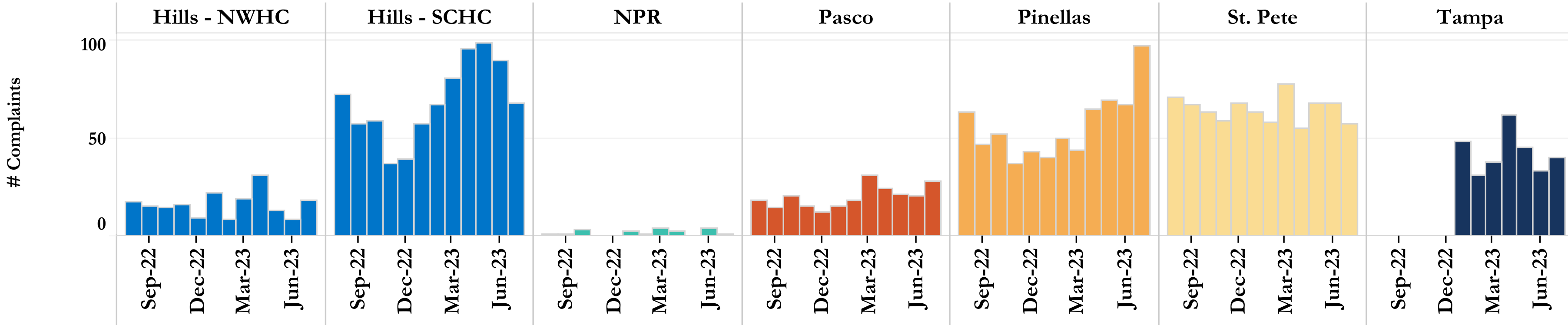
Water Quality Working Group/Operations Coordination Committee

The Water Quality Working Group/Operations Coordination Committee (WQWG/OCC) meeting was held on August 10, 2023. 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 August 2022 through July 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).

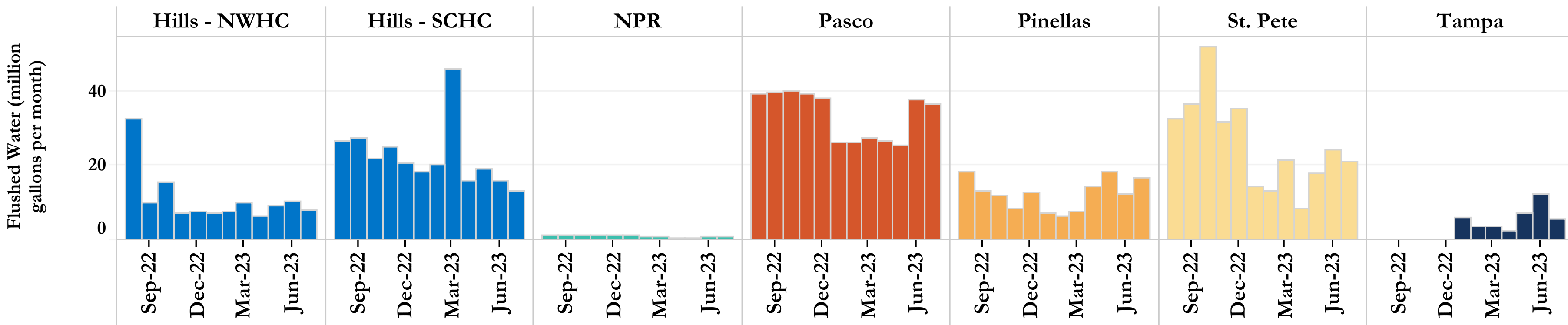
Attachments (2)

Water Quality Exhibits
Water Quality Working Group - Operations Coordination Committee - Meeting Minutes
D.2 Water Quality Update Presentation

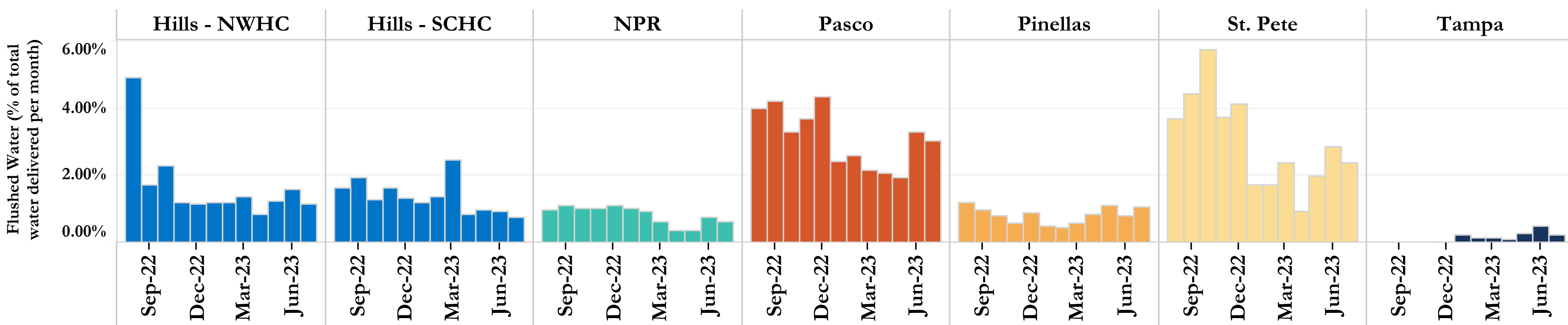
Customer Water Quality Complaints by Member Government (data not normalized for population served)



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					
	Hills - SCHC	57	67	81	96	99	90	68					
	NPR	2	1	4	2	0	4	1					
	Pasco	15	18	31	24	21	20	28					
	Pinellas	40	50	44	65	69	67	97					
	St. Pete	63	58	78	55	68	68	57					
	Tampa	48	31	38	62	45	33	40					
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					
	Hills - SCHC	18.2	20.4	45.9	15.8	18.9	15.8	13.1					
	NPR	1.1	0.9	0.7	0.4	0.4	0.8	0.7					
	Pasco	26.1	26.1	27.3	26.5	25.3	37.6	36.3					
	Pinellas	7.2	6.3	7.4	14.1	18.2	12.1	16.8					
	St. Pete	14.2	13.2	21.3	8.1	17.9	24.2	20.9					
	Tampa	5.8	3.4	3.7	2.6	6.9	12.1	5.6					
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%					
	Hills - SCHC	1.18%	1.35%	2.44%	0.84%	0.97%	0.91%	0.73%					
	NPR	1.00%	0.91%	0.63%	0.34%	0.35%	0.76%	0.60%					
	Pasco	2.42%	2.57%	2.14%	2.06%	1.91%	3.29%	3.03%					
	Pinellas	0.49%	0.45%	0.56%	0.84%	1.10%	0.80%	1.05%					
	St. Pete	1.69%	1.70%	2.37%	0.91%	1.98%	2.84%	2.35%					
	Tampa	0.22%	0.14%	0.14%	0.10%	0.25%	0.47%	0.21%					
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%					
	Hills - SCHC	0.00%	0.00%	0.89%	0.00%	1.32%	0.00%	0.45%					
	NPR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%					
	Pasco	0.64%	0.64%	0.64%	0.00%	0.64%	0.64%	0.63%					
	Pinellas	0.00%	0.00%	0.47%	0.47%	0.93%	1.80%	0.00%					
	St. Pete	0.00%	1.08%	0.55%	0.00%	0.00%	1.08%	2.56%					
	Tampa	0.00%	0.00%	0.00%	0.00%	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 - Reported

Meeting Minutes

Water Quality Working Group/ Operations Coordination Committee

August 10, 2023 GoToMeeting

HANDOUTS - sent by email prior to meeting

a. Member Government monthly data

b. August 2023 WQWG/OCC Agenda Packet

A. WATER DELIVERY

1. SYSTEM UPDATES

a. Reservoir – slowly filling, there has not been much rain.

b. Desal – shut down in mid-May until late this year. TECO has work projects scheduled.

c. RSWTP – 90 MGD, source water has been from Tampa Bypass Canal only in recent weeks.

d. Groundwater – Well Fields are in service, ongoing construction projects at Eldridge-Wilde, Lake Bridge, and South Pasco.

e. Transmission Mains Regional System water quality – increased chloramines decay and nitrites experienced this past month (compared to last). Water temperatures were higher this past month, in the range of 86 °F to 91.5 °F.

2. UPDATES FROM MEMBER GOVERNMENTS

a. **Hillsborough County**

i. July 2023 TCR Reporting North Service Area – 2 TCP out of 136 samples – 1.47%

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

iii. July 2023 Complaint Report North Service Area – 18 complaints; mostly odor and color

iv. July 2023 Complaint Report South Service Area – 68 complaints; mostly odor and pressure

v. July 2023 Flushing Report North Service Area – 7.77 MG (2.00 MG from auto flushers)

vi. July 2023 Flushing Report South Service Area – 13.13 MG (6.96 MG from auto flushers)

vii. July 2023 Total Delivered Water Report North Service Area – 674.37 MG, 1.2% flushed

viii. July 2023 Total Delivered Water Report South Service Area – 1,802.72 MG, 0.7% flushed

b. **City of New Port Richey**

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

ii. July 2023 Complaint Report – 1 complaint, sand

iii. July 2023 Flushing Report – 0.674 MG (0.390 MG from auto flushers)

iv. July 2023 Total Delivered Water Report – 112.11 MG, 0.60% flushed

c. **Pinellas County**

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

ii. July 2023 Complaint Report – 97 complaints, mostly premise issues and rusty water

iii. July 2023 Flushing Report – 16.76 MG (8.65 MG from auto flushers)

iv. July 2023 Total Delivered Water Report – 1,595.02 MG, 1.05% flushed

v. Pinellas completed their two-week chlorine maintenance event this past month. TTHM concentrations were lower than past events, which was attributed to lower TOC levels.

d. **Pasco County**

i. July 2023 TCR Reporting – 1 TCP and 1 *E. coli* positive out of 159 samples – 1.26%

ii. July 2023 Complaint Report – 28 complaints, mostly odor and color

iii. July 2023 Flushing Report – 36.30 MG (33.16 MG from auto flushers)

iv. July 2023 Total Delivered Water Report – 1,199.77 MG, 3.03% flushed

v. Pasco noted that they were using more auto flushers in new housing developments. Lower water consumption at these locations results in lower chloramine residuals/higher nitrite levels.

e. **City of St. Petersburg**

   i. July 2023 TCR Reporting – 5 TCP out of 195 samples – 2.56%

   ii. July 2032 Complaint Report – 57 complaints, mostly premise issues and rusty water

   iii. July 2023 Flushing Report – 20.86 MG (14.12 MG from auto flushers)

   iv. July 2023 Flushing Report – 887.44 MG, 2.35% flushed

f. **City of Tampa**

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

   ii. July 2023 Complaint Report – 40 complaints, mostly color, odor and pressure

   iii. July 2023 Flushing Report – 5.56 MG (3.35 MG from auto flushers)

   iv. July 2023 Total Delivered Water Report – 2,589.74 MG, 0.21% flushed

   v. The City of Tampa purchased water from Tampa Bay Water.

   vi. The City of Tampa completed their free chlorine maintenance event.

B. WATER QUALITY MONITORING/TREATMENT

1. EXHIBIT D PERFORMANCE

a. Exhibit D performance met requirements at all locations, except COSMEINF, which reported a turbidity level of 1.28 NTU for the Running Annual Average (RAA).

b. The July turbidity result was 0.93 NTU, less than the 1 NTU limit.

2. UCMR5 COORDINATION and EPA's PROPOSED PFAS MCLs

a. The first quarter sampling event on July 17 to July 19 went smoothly with sample kits delivered to members and samples collected as planned.

b. New Port Richey will be resampling because of a temperature issue with samples that arrived at their commercial lab.

c. EPA advised New Port Richey that they can keep with the region's schedule for all subsequent sampling events.

d. Tampa Bay Water laboratory data is expected to be available in September. Although the lab does not have UCMR5 EPA certification, it does have Florida DOH certification for both E533 and E537.1.

e. The EPA regulatory agenda identifies final MCLs to be posted in January 2024.

f. EPA finalized Method 1633 (v.4) for raw water in July 2023.

3. REGIONAL WATER QUALITY STUDY (RWQS)

As reported last month, at the request of the Utility Directors, Carollo Engineers final report recommendations for TOC and related treatment were placed on temporary hold, pending the availability and review of UCMR5/PFAS quarterly sampling data and EPA finalizing PFAS MCLs.

4. Regional Chlorine Maintenance Evaluation

a. As reported last month, supplemental DBP formation potential testing using free chlorine was conducted in July 2023 by the Tampa Bay Water Laboratory. Blended source waters were used to represent regional water delivery to member government distribution systems.

b. Through lab benchtop simulations, TTHMs were found at concentrations greater than the MCLs at contact times representing maximum travel times in member government systems.

c. The Agency will be developing recommendations based on this work in the next couple of months.

d. Members requested that a focus group type meeting be set up to review and discuss the DBP data.

C. OTHER TOPICS

1. FSAWWA Updates

The "WaterBugs" monthly meeting on September 6 will be about Potable Reuse at Plant City, focusing on a pilot study by Hazen and Sawyer.

2. Additional Discussion

a. Members discussed whether it would be possible to add nitrites to the daily operations report. Laila responded that the water quality data in the daily operations reports are directly obtained from online continuous monitors and there are no online continuous monitors for nitrites. Operations collects weekly grab samples.

b. Members asked if there was a way for them to request continuous monitors for nitrites. Steve explained we would first need to work on the technical details of a nitrites continuous monitoring system (e.g., technical feasibility and estimated costs). This information would then be shared by members with their Utility Directors and Tampa Bay Water staff with Executive Management for decision making and potential presentation to the Tampa Bay Water Board of Directors.

D. FUTURE MEETINGS

Next WQWG/OCC Meeting is online September 14th, at 1:30 p.m.

WQWG/OCC August 2023 Meeting Attendees

Luke Mulford, Hillsborough County
David Lundberg, Hillsborough County
Greg Wikholm, City of New Port Richey
Colin Eichenmuller, New Port Richey
Paula Lashuay, City of Tampa
Kevin Jenkins, Pasco County
Candia Mulhern, Pasco County
Stephanie Summerbell, Pasco County
David Allen, Pasco County
Mike Ward, Pasco County
Kendra Phillips, Pasco County
Carissa Dennison, Pasco County
Jim Kaplan, Pasco County
Mike Avila, Pasco County
Micah Minaberry, Pasco County
Adolfo Gonzalez, Pasco County
Nina Cudahy, Pinellas County
Matt Wotowiec, Pinellas County
Michele Duggan, Pinellas County
Haxhi Muharemi, Pinellas County
Patti Holowecky, Pinellas County
Trevor Bridge, Pinellas County
Royce Rarick, Pinellas County
Jim Kramer, 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
Phil Matthews, Tampa Bay Water
Bob McConnell, Tampa Bay Water
Shawn Jones, Tampa Bay Water
Stephen Cantin, Tampa Bay Water
Laila Martin, Tampa Bay Water
Hulya Comert, Tampa Bay Water
Jack Thornburgh, Tampa Bay Water
Mike Gilliam, Tampa Bay Water

Water Quality Update

Agenda Item D.2

September 18, 2023

Stephen J. Fleischacker, P.E., BCEE
Water Quality Services Senior Manager

TAMPA BAY WATER
Supplying Water To The Region

Water Quality Compliance

- Meets or is better than state and federal drinking water requirements
  - Safe Drinking Water Act National Drinking Water Standards
  - 62-550, Florida Administrative Code

Per- and Polyfluoroalkyl Substances (PFAS)

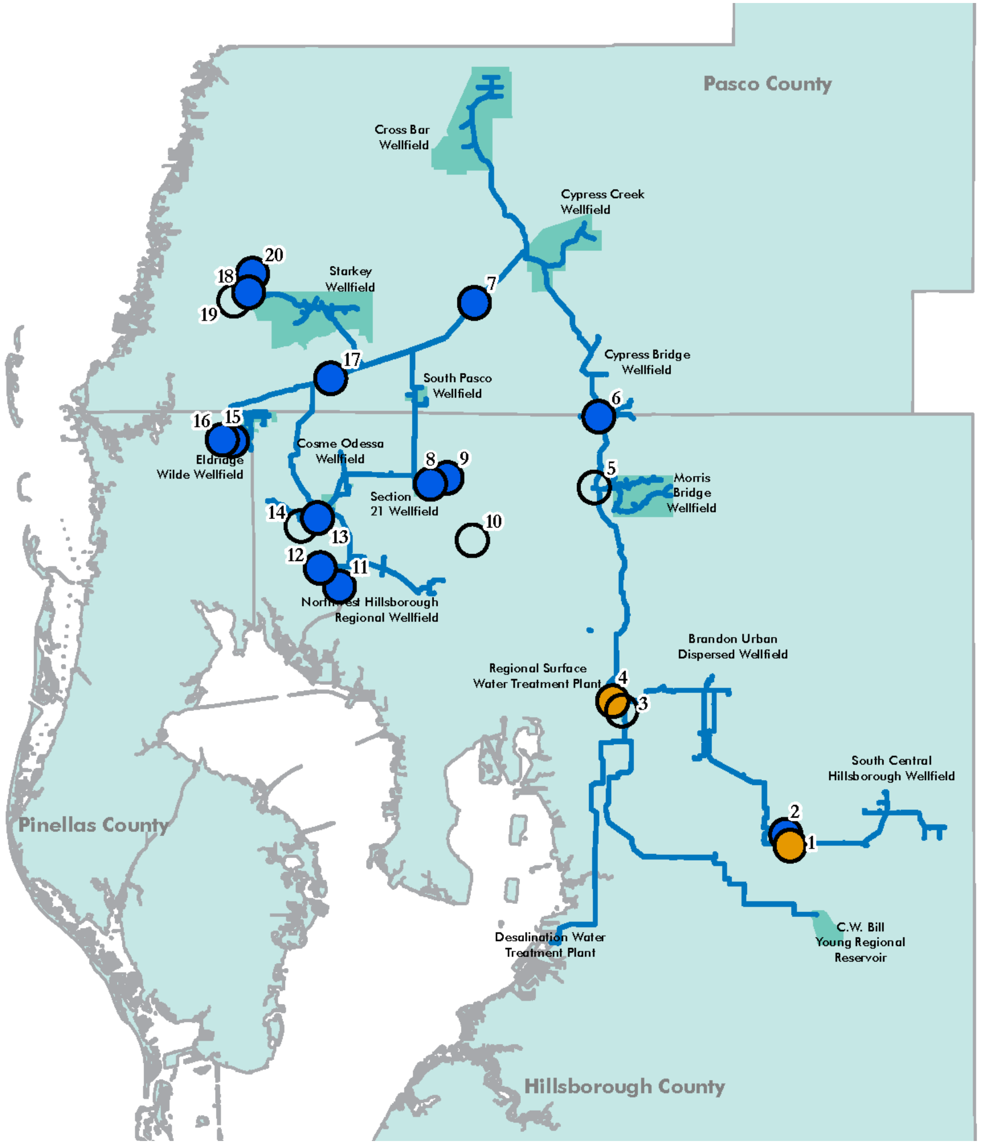
- PFAS are not regulated
- PFAS are man-made substances
- Widely used since the 1940's
- PFAS do not originate in drinking water supplies
- When products with PFAS are used or discarded, they can enter the environment

EPA Study and PFAS

- EPA continually studies unregulated parameters
- Unregulated Contaminant Monitoring Rule (UCMR)
- 12 months of testing for four quarters
- Sampling delivery points
- First testing event completed

Results – July 2023

- Two locations slightly above EPA's proposed PFOS limit of **4 parts per trillion**
  - Regional Water to Hillsborough's Central Water Treatment Plant **4.1 parts per trillion**
  - Regional Water to Hillsborough's Lithia Water Treatment Plant **4.3 parts per trillion**
- All others below EPA proposed limit or not detectable



TAMPA BAY WATER
Supplying Water To The Region

Results – July 2023

Delivery point sampled	Member utility served	PFOA	PFOS	4 PFAS in Hazard Index: PFBS	PFHxS	PFNA	HFPO-DA	Hazard Index
Regional Water to Central Water Treatment Plant	Hillsborough County	2.70	4.30	5.00	2.40	0.80	ND	0.42
Groundwater to Lithia Water Treatment Plant	Hillsborough County	ND	ND	ND	ND	ND	ND	0.18
Groundwater to Lake Park Water Treatment Plant	Hillsborough County	ND	ND	ND	ND	ND	ND	0.18
Regional Water to Lake Park Water Treatment Plant	Hillsborough County	ND	ND	ND	ND	ND	ND	0.18
Groundwater to Fawn Ridge Water Treatment Plant	Hillsborough County	ND	1.40	1.80	0.70	ND	ND	0.21
Regional Water to Fawn Ridge Water Treatment Plant	Hillsborough County	ND	1.30	ND	ND	ND	ND	0.18
Regional Water to Lithia Water Treatment Plant	Hillsborough County	2.10	4.10	5.00	2.20	0.60	ND	0.37
Regional Water to Odessa Intertie	Pasco County	1.20	1.40	1.40	0.80	ND	ND	0.22
Regional Water to Little Road Water Treatment Plant	Pasco County	ND	1.20	1.40	0.60	ND	ND	0.19
Regional Water to Lake Bridge Connection	Pasco County	2.00	2.90	3.70	1.90	ND	ND	0.34
Regional Water to US 41 Intertie	Pasco County	ND	1.40	1.60	0.80	ND	ND	0.22
Regional Water to Keller Water Treatment Plant	Pinellas County	1.30	0.80	1.70	ND	ND	ND	0.18
Groundwater to Keller Water Treatment Plant	Pinellas County	1.50	ND	ND	ND	ND	ND	0.18
Groundwater to Maytum Water Treatment Plant	New Port Richey	ND	ND	ND	ND	ND	ND	0.18
Regional Water to Cosme Water Treatment Plant	St. Petersburg	ND	0.60	0.60	ND	ND	ND	0.18

ND Non-detect (No detectable levels of PFAS found) using EPA Methods 533 and 537.1.

Detectable levels of PFAS found above EPA proposed regulations.

TAMPA BAY WATER
Supplying Water To The Region

Next Steps

- Compare regional and member utility data when available
- Continue testing points of connection
- Remaining Schedule:
  - October 2023
  - January 2024
  - April 2024
- Treatment recommendations made after EPA final regulations

TAMPA BAY WATER
Supplying Water To The Region

Questions

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM D.3

DATE: September 1, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Warren Hogg, Chief Science Officer

SUBJECT: South-Central Hillsborough County Program Update - *Presentation*

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 Status Report and Presentation.

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 supply well to deliver an average of 2.3 mgd of water supply to south Hillsborough County. At the September 18 meeting, staff will present an update on the infrastructure 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.
- Issued Notices to Proceed for all six Guaranteed Maximum Price (GMP) Packages.
- Temporary Booster Station became operational in August 2022. Pump Station now delivering more than 20 million gallons a day through the Brandon transmission main. Construction of the permanent Booster Station is on-going with all components installed. The contractor is working through the start-up process.

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:

- Completed the Weighting Criteria Technical Memorandum.
- Identified potential routes.
- Developed cost estimates of each potential route.
- Shortlisted top three pipeline routes.
- Completed Public Outreach and Engagement for the top three shortlisted routes.
- Completed final route report.
- Received Board approval for Segment A route in September 2022.
- Started work on obtaining parcels of opportunity for Blue Route A and targeted survey areas.
- Received Board approval for Segment B route in January 2023.
- Basis of Design Reports received for both Segments in July and their review is ongoing.
- Construction Manager at Risk negotiations ongoing with top-ranked contractor. Scope and Fee approval expected later this fall.
- Segment A Tasks 2-4 (final design, property acquisition, and CMAR Bidding support) scope of

services approved at March 2023 Board meeting.

- Segment B Tasks 2-4 (final design, property acquisition, and CMAR Bidding support) scope of services approved at May 2023 Board 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 executed on April 5, 2023.
- Water Use Permit application for the new production well submitted to the District on April 7, 2023.
- Additional information submitted to the District on August 4, 2023 responding to questions on the Water Use Permit application.
- Approval of the Water Use Permit is expected at the October 24, 2023 Governing Board meeting of the District.
- Design for the production well infrastructure is ongoing.

Demand Management

Tampa Bay Water and Hillsborough County continue to coordinate activities for demand management in the South Hillsborough County area. Agency and County staff currently meet quarterly now that the peak spring demand season has passed. 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. Three multi-family communities are currently in the rebate process under the Tampa Bay Water Wise Program. An email was being sent by the County to Hillsborough County customers promoting outdoor water wise practices and the Tampa Bay Water Wise rebate program. A letter mailing campaign will occur this fall to customers in this service area who are pre-qualified for the outdoor irrigation-related rebates through Tampa Bay Water Wise.

Short-Term Plan for Additional Water Supply

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. 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 implemented a one-day-per-week watering restriction in the South Hillsborough Service Area in January 2021 and that watering restriction ended on December 31, 2022. Given the recent increase in water use in the service area, Tampa Bay Water continues to work with Hillsborough County to explore options 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.

Development of an additional water supply, such as the use of the existing test well using short-term reclaimed water injection credits from Hillsborough County, will help to remain in compliance with the new South-Central Hillsborough Regional Wellfield Water Use Permit limit until the new pipeline to South Hillsborough can be completed. 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 which would support compliance with Agency permits in both the short and long-term. Staff continue to meet with property owners in this area to determine if any permitted withdrawal quantities are available as their properties transition from agricultural to residential land use. Any additional permitted quantities could be transferred to new wells constructed and operated by Tampa Bay Water on the AgMart property.

BACKGROUND

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. 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 (SCHRWF), 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.

D.3 South-Central Hillsborough County Program Update Presentation

South-Central Hillsborough County Program Update

Agenda Item D.3

September 18, 2023

Warren Hogg, P.G.
Chief Science Officer
Tampa Bay Water

TAMPA BAY WATER
Supplying Water To The Region

Brandon Booster Pump Station

- Temporarily increases delivery while the permanent booster station is built
  - Operational August 2022

- Permanent Brandon Booster Station
  - Start-up checks and electrical testing on-going

New Water Supplies

- Water Use Permit application – 2.3 million gallons per day
- Evaluate additional well(s)
- South-Central Wellfield permit increased to 24.95 million gallons per day
- Permit transitions – agricultural to residential
- Central Point of Connection

TAMPA BAY WATER
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TAMPA BAY WATER

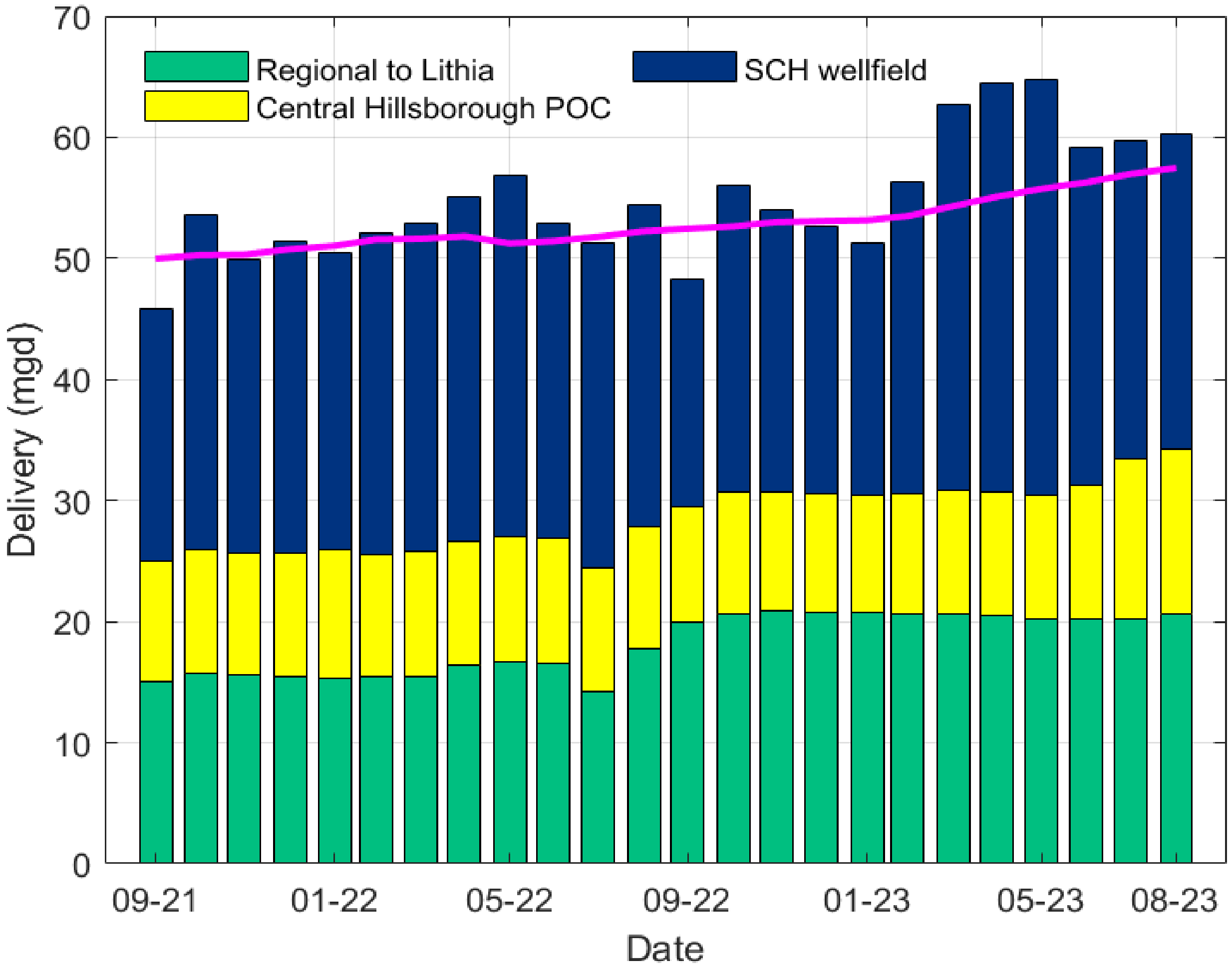
Focus on Water Conservation

- Tampa Bay Water Wise
  - Promoting multi-family rebates
- County promotion of rain sensor requirements and rebates
- County education and enforcement of watering restrictions

TAMPA BAY water wise

Hillsborough County Florida
EST. 1834
SM

South Hillsborough Demand Increase



Annual average delivery

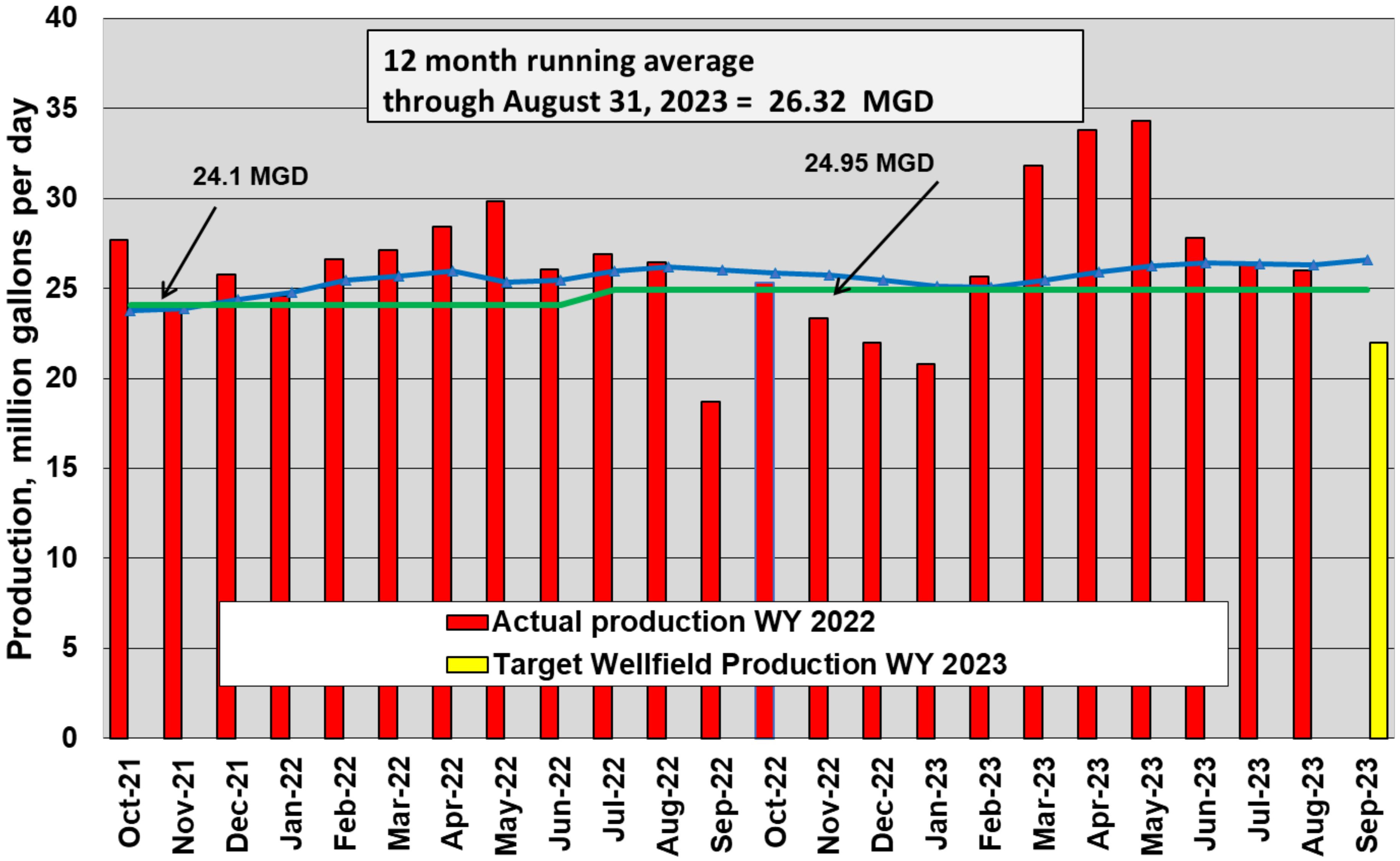
- 57.1 million gallons per day
- 5 million gallons per day increase in 12 months

Three points of connection

1. South-Central Hillsborough Wellfield
2. Lithia Water Treatment Plant (Regional)
3. Central Hillsborough

TAMPA BAY WATER
Supplying Water To The Region

South-Central Hillsborough Regional Wellfield



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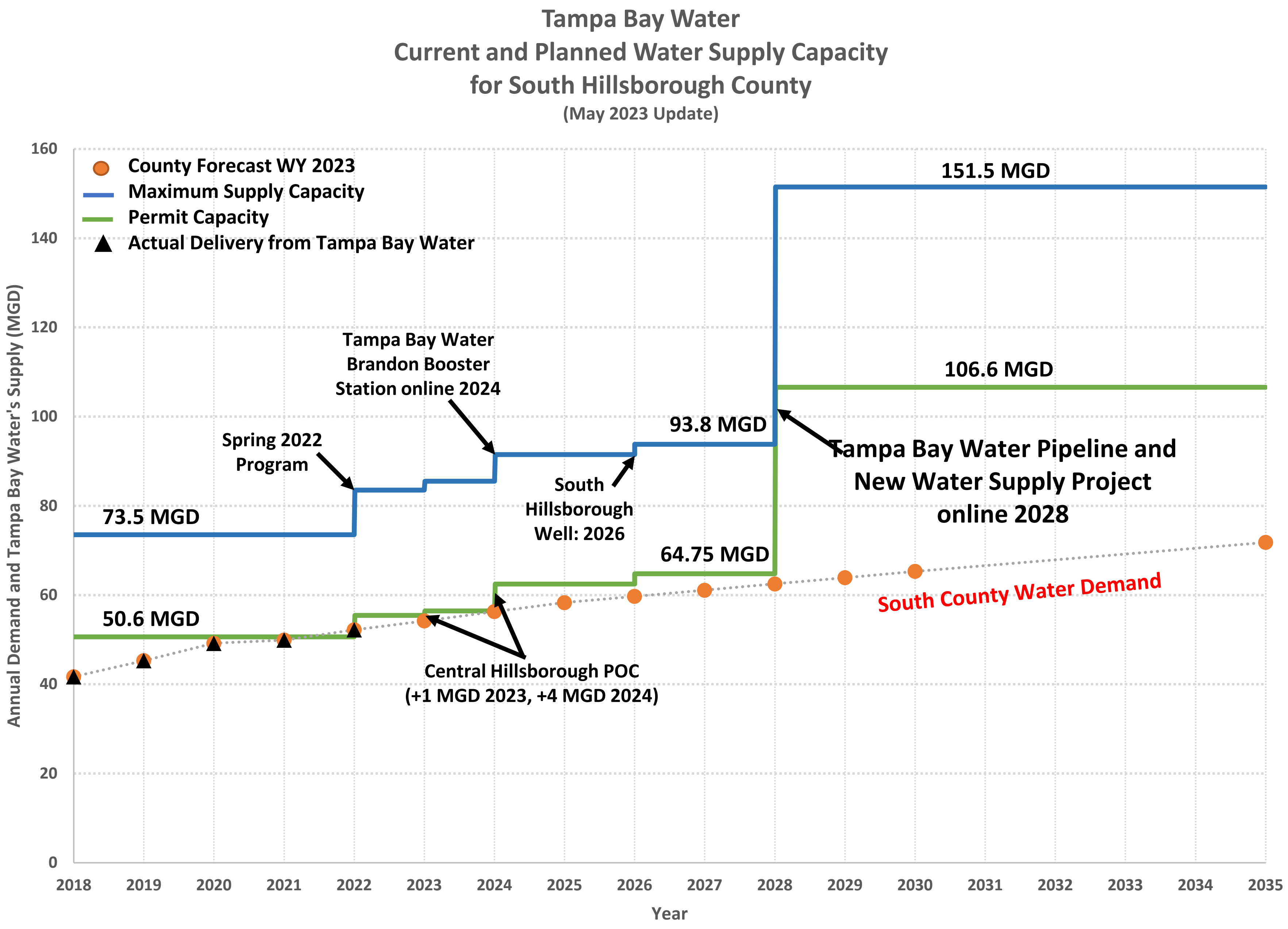

Tampa Bay Water
Current and Planned Water Supply Capacity
for South Hillsborough County
(May 2023 Update)
County Forecast WY 2023
Maximum Supply Capacity
Permit Capacity
Actual Delivery from Tampa Bay Water
151.5 MGD
106.6 MGD
93.8 MGD
73.5 MGD
64.75 MGD
50.6 MGD
Tampa Bay Water Brandon Booster Station online 2024
Spring 2022 Program
South Hillsborough Well: 2026
Tampa Bay Water Pipeline and New Water Supply Project online 2028
South County Water Demand
Central Hillsborough POC (+1 MGD 2023, +4 MGD 2024)
Annual Demand and Tampa Bay Water's Supply (MGD)
Year
0
20
40
60
80
100
120
140
160
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035

Questions

AGENDA ITEM D.4

DATE: September 1, 2023

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 - *Presentation*

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 late-summer and fall seasons 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 Presentation.

COST/FUNDING SOURCE

N/A

DISCUSSION

Summary Highlights

Since the beginning of this fiscal year through August 31, 2023, the Agency has delivered an average of 201.57 million gallons per day (mgd) to meet the member governments' demands. This is 12.18 mgd (6.4%) more water delivered than for the same period last year. The region received an average of 8.3 inches of rainfall during August 2023, which is about 0.4 inch more than the long-term average rainfall for August. Average monthly flows in the Hillsborough and Alafia Rivers were 190 mgd and 257 mgd (25th and 37th percentiles) respectively, resulting in a below-normal flow condition in the Hillsborough River and normal flow condition in the Alafia River during August 2023. The Regional Reservoir storage was 82% full on August 31, 2023, with a stored volume of 12.63 billion gallons.

A summary of other conditions is highlighted below:

- The 12-month running average pumping rate for the Consolidated Permit Wellfields was 87.13 mgd through August 31, 2023.
- The 12-month running average pumping rate for the South-Central Hillsborough Regional Wellfield was 26.32 mgd through August 31, 2023, which is above the annual average permit limit of 24.95 mgd. This 12-month running average pumping rate is expected to gradually decrease as the permanent pumps at the Brandon Booster Station come on-line and demand decreases in the fall and winter months.
- The City of Tampa's Hillsborough River Reservoir was at an elevation of 22.68 ft. on August 31, 2023.
- There was no water diversion through Harney augmentation into the Hillsborough River in August 2023.
- There was no finished water purchased by the City of Tampa at the Morris Bridge Point of Connection in August 2023.
- The Tampa Bay Seawater Desalination Facility went offline on March 19, 2023 due to planned work at the TECO Big Bend Power Station. There has been no production from that facility since that date but the Desalination Facility should return to service in late 2023 as planned.
- Groundwater levels generally **increased about 1.6 feet** during August 2023.
- Average water levels in the 10 indicator lakes and wetlands located on and near Consolidated Permit Wellfields **increased 3.3 inches** during August 2023 (based on data collected throughout the month, not necessarily end-of-month).

Climate Outlook

The National Oceanic and Atmospheric Administration (NOAA) issued an El Niño Advisory on August 28, 2023 in their monthly climate forecast. Their report indicated that El Niño conditions have become established in the tropical Pacific Ocean and are expected to strengthen and continue through the Northern Hemisphere winter. This typically indicates a wet winter season which potentially dampens regional water demand.

The 90-day climate outlook issued by NOAA on August 17, 2023, predicts above-normal temperatures and normal precipitation for the period of September to November 2023. This condition is projected for much of the Southeastern United States including Florida.

Hydrologic Conditions

Based on average rainfall from all gauges throughout the service area (Figure 1), the region received 8.3 inches of rainfall during August 2023 which is about 0.4 inch more than the long-term average rainfall for August. The rainfall received was not consistent during the month and half of the rain in August fell at the end of the month due to Hurricane Idalia. Rainfall measurements from a single gauge at individual wellfields (Figures 7-16) are provided showing current environmental conditions at those locations.

Average monthly flows in the Hillsborough and Alafia Rivers were 190 mgd and 257 mgd (25th and 37th percentiles) respectively, in August 2023. Note that a normal condition is defined when river flow is between the 34th and 67th percentiles of flow for the same calendar month; therefore, a below-normal flow condition was observed in the Hillsborough River and a normal flow condition was observed in the Alafia River during August 2023. Average withdrawal from the Alafia River was 16.65 mgd in August 2023 as compared to an average rate of 28.01 mgd as allowed by our Water Use Permit based on actual flow conditions. The average withdrawal from the Tampa Bypass Canal in August 2023 was 109.90 mgd.

<u>Water Demand and Supply Summary</u>

Tampa Bay Water's budgeted delivery for Water Year 2023 is 197.5 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 August 2023 was 201.05 mgd, which was 6.91 mgd (3.6%) more than the average August 2022 delivery of 194.14 mgd. The significant difference in delivery to member governments between August 2022 and August 2023 was primarily due to regional growth and high temperatures in August 2023.

Aggregate groundwater production from the 12 Tampa Bay Water wellfields was 115.40 mgd in August 2023. Production from the Consolidated Permit Wellfields averaged 83.54 mgd in August 2023 resulting in a 12-month running average withdrawal rate of 87.13 mgd (Figure 3). Groundwater production from each of the Consolidated Permit Wellfields is presented in Figures 7-16.

Tampa Bay Water continues to closely monitor water demand in the South Hillsborough County service area. The 12-month running average water production rate from the South-Central Hillsborough Regional Wellfield was 26.32 mgd through August 31, 2023, which was 1.37 mgd above the annual average permit limit of 24.95 mgd (Figure 4). The recent increase in the 12-month running average production rate is primarily due to regional growth, high temperatures and below-average rainfall in the service area during the spring and summer months of 2023. Staff continues to work with Hillsborough County to implement supply and demand management measures in this service area. Staff also continues to work with the County to reduce water demand at the Lithia Point of Connection and shift more production to the Central Point of Connection. Hillsborough County staff recently made operational changes within their distribution system downstream of the Central Point of Connection and are currently taking an additional 3.5 mgd of regional water at this location. 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 has lowered the production rate from the

South-Central Hillsborough Regional Wellfield in September 2022 through August 2023 by approximately 5 to 5.5 mgd. Additional regional system water will be delivered to Lithia when the permanent booster station comes on-line this year. The 12-month running average pumping rate from the wellfield is expected to gradually decrease as the permanent pumps at the Brandon Booster Station come on-line and demand decreases in the fall and winter months.

Treated surface water averaged 87.78 mgd in August 2023. The Desalination Facility was taken offline on March 19, 2023 due to planned work at the TECO Big Bend Power Facility and no water has been produced since that date; the Desalination Facility should return to service in late 2023 as planned. An average of 41.64 mgd of water was harvested from the Tampa Bypass Canal and Alafia River in August 2023 and delivered to the Regional Reservoir for later use. The storage volume of the Regional Reservoir was 82% full, with a volume of 12.63 billion gallons on August 31, 2023.

Comparison of year-to-date production from the three water supply source types between WY 2022 and WY 2023 is shown in Figure 5.

<u>Environmental Conditions</u>

Tampa Bay Water closely monitors the environmental conditions around Agency wellfields and these data are used to guide production and wellfield management decisions. Figure 6 depicts the locations of selected Upper Floridan Aquifer monitor sites and lake or wetland sites. A summary of observed conditions in and around the 10 Consolidated Permit Wellfields is provided in Figures 7 through 16. These figures show pumping rate and rainfall at these wellfields for the past 25 years as well as water-level data from the Upper Floridan Aquifer and a lake or wetland located on or near each wellfield. A reference line on the lake and wetland hydrographs shows the lake minimum level or the normal pool elevation in the wetland. The normal pool elevation of a wetland is the water-surface elevation that is normally reached at the end of the rainy season during an average rainfall year. This is typically the highest water level reached in a wetland during an average rainfall year; water levels are expected to fluctuate below this elevation during the year.

Water levels in lakes and wetlands respond more directly to changes in rainfall and temperature than the Floridan Aquifer. Even with substantially reduced groundwater production, because of the strong relation to rainfall conditions, water levels in some lakes and wetlands on and near wellfields will exhibit normal water level fluctuations only as rainfall occurs in normal or above-normal amounts. With a sustained reduction in groundwater pumping rate and normal rainfall, water levels in area lakes and wetlands should continue to approximate normal water level fluctuations. Water levels in area lakes and wetlands are currently lower than expected for this time of year due to the below-average rainfall and uneven rainfall coverage in the spring and summer months of 2023. Water levels are expected to increase in the next two months if the Tampa Bay area receives normal rainfall in September and October. General water-level changes are summarized as follows:

- Groundwater levels generally **increased about 1.6 feet** during August 2023.
- Groundwater levels in August 2023 were generally **0.6 foot lower** than in August 2022.
- Average water levels in the 10 indicator lakes and wetlands located on and near Consolidated Permit Wellfields **increased 3.3 inches** during August 2023 (based on data collected throughout

the month, not necessarily end-of-month).

- Average water levels in the 10 indicator lakes and wetlands in August 2023 were about **7.8 inches lower** than water levels in August 2022.

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. The cumulative rainfall in the region was at a 0.2-inch deficit through August 31, 2023 (compared to a 0.9-inch deficit at the end of July 2023). Stream flow indicator was at a 93-mgd surplus through August 31, 2023 and remained unchanged from the prior month. The storage volume in the Regional Reservoir was 12.63 billion gallons (82% of full storage) on August 31, 2023. Tampa Bay Water is currently under a normal WSMP stage.

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 August 2023
D.4 Supplies Demands and Environmental Conditions Presentation

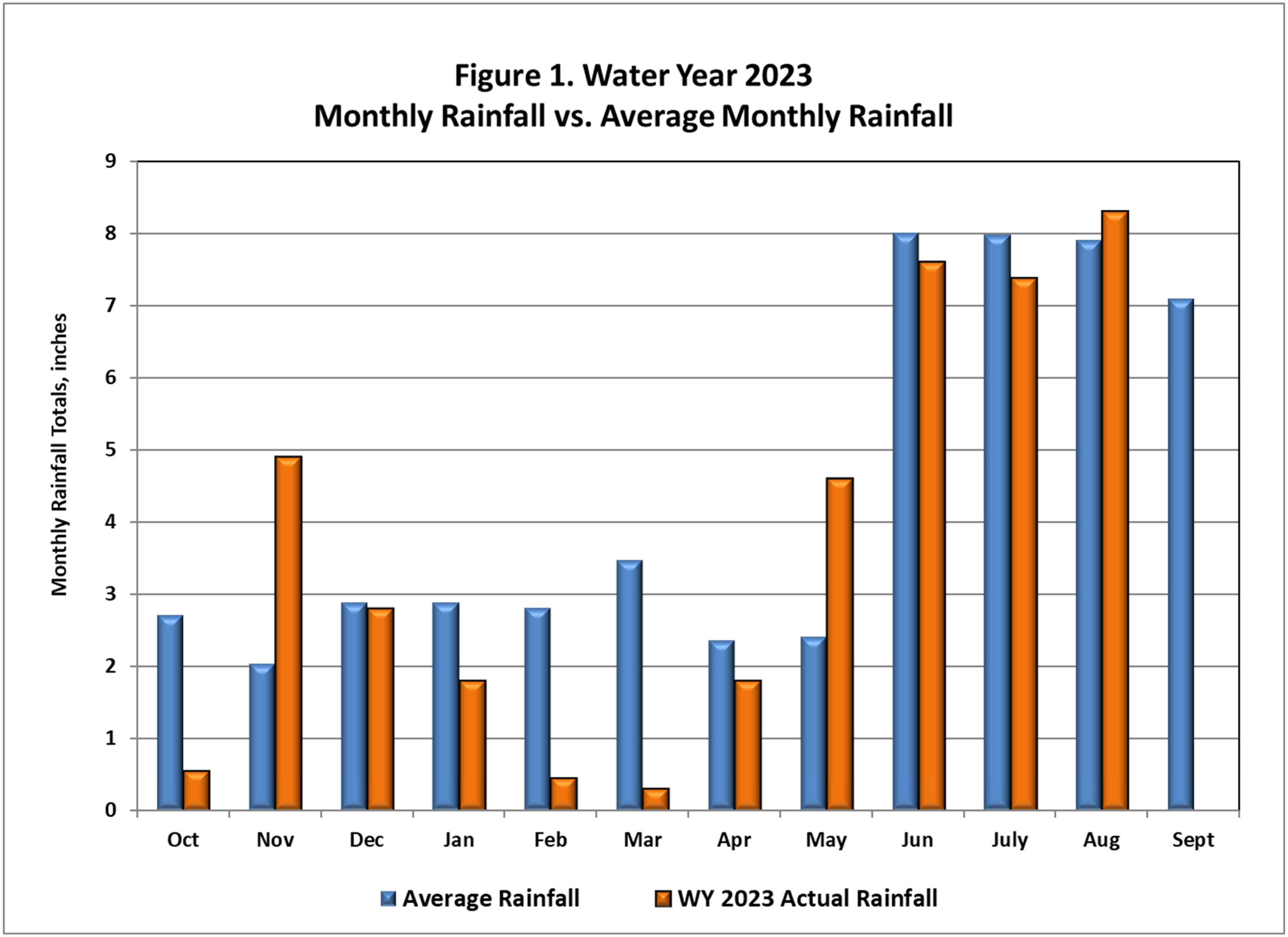


Figure 1. Water Year 2023
Monthly Rainfall vs. Average Monthly Rainfall
Monthly Rainfall Totals, inches
0
1
2
3
4
5
6
7
8
9
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
July
Aug
Sept
Average Rainfall
WY 2023 Actual Rainfall

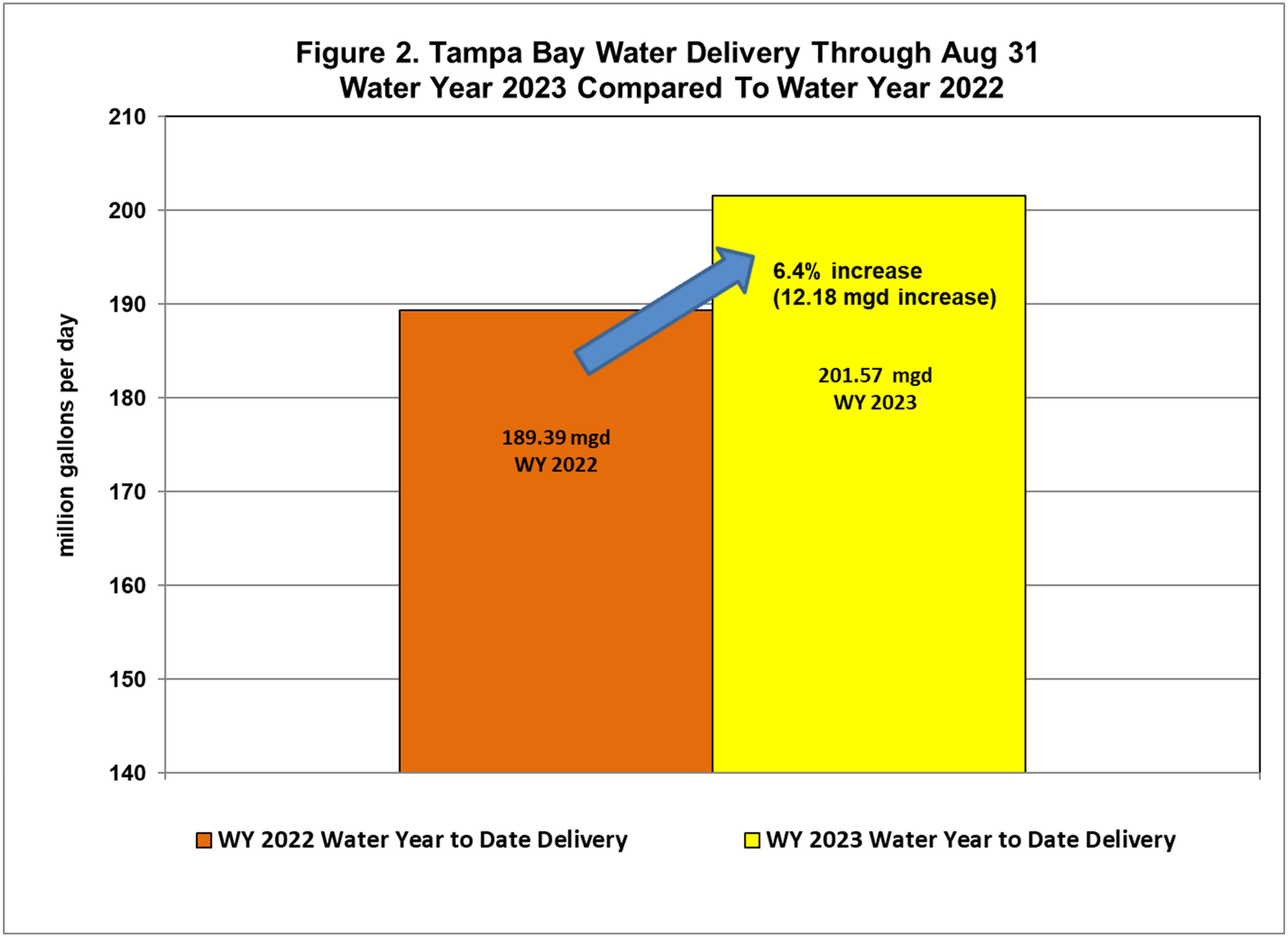


Figure 2. Tampa Bay Water Delivery Through Aug 31
Water Year 2023 Compared To Water Year 2022
million gallons per day
210
200
190
180
170
160
150
140
6.4% increase
(12.18 mgd increase)
189.39 mgd
WY 2022
201.57 mgd
WY 2023
WY 2022 Water Year to Date Delivery
WY 2023 Water Year to Date Delivery

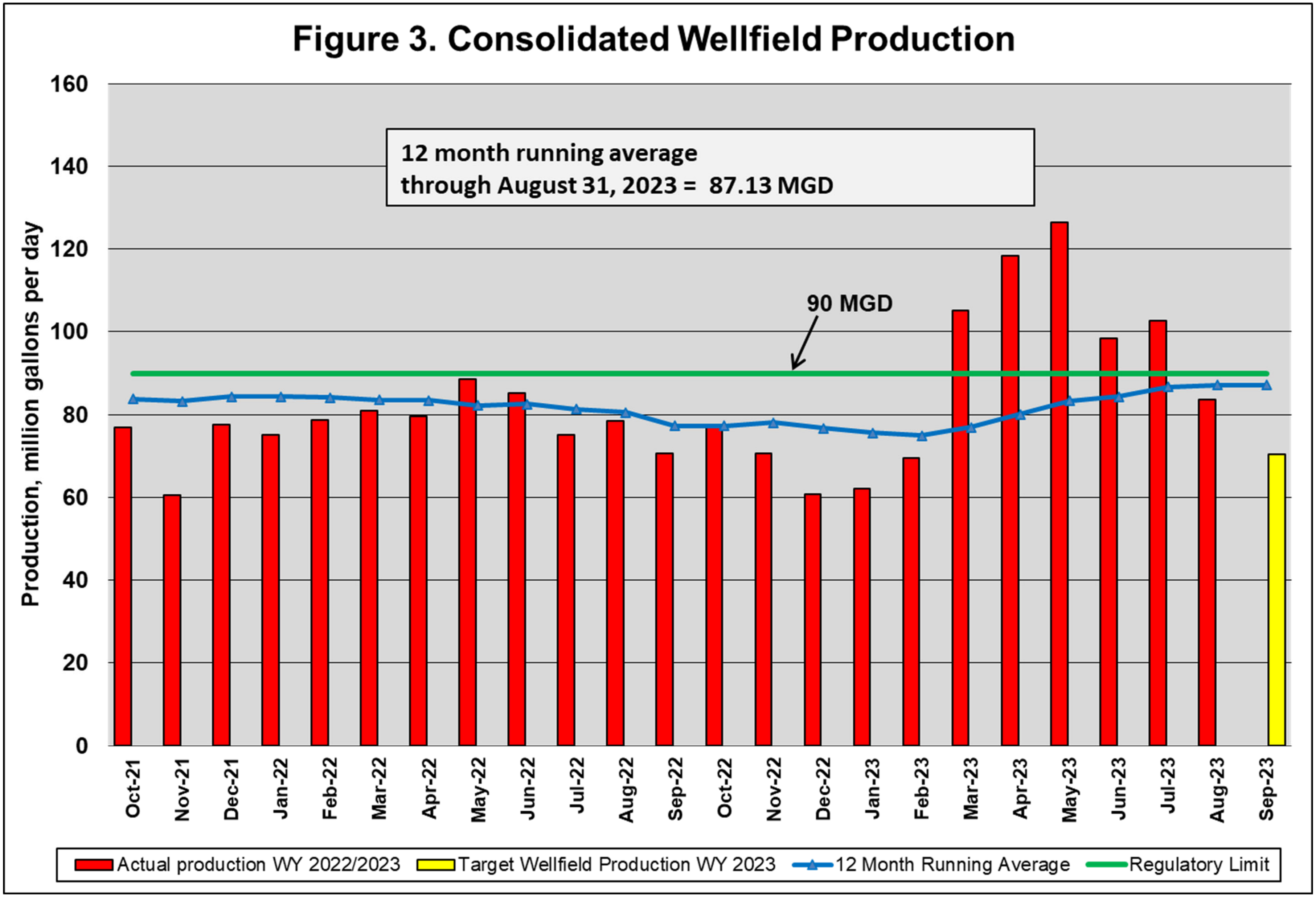


Figure 3. Consolidated Wellfield Production
12 month running average
through August 31, 2023 = 87.13 MGD
90 MGD
Production, million gallons per day
160
140
120
100
80
60
40
20
0
Oct-21
Nov-21
Dec-21
Jan-22
Feb-22
Mar-22
Apr-22
May-22
Jun-22
Jul-22
Aug-22
Sep-22
Oct-22
Nov-22
Dec-22
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23
Jul-23
Aug-23
Sep-23
Actual production WY 2022/2023
Target Wellfield Production WY 2023
12 Month Running Average
Regulatory Limit

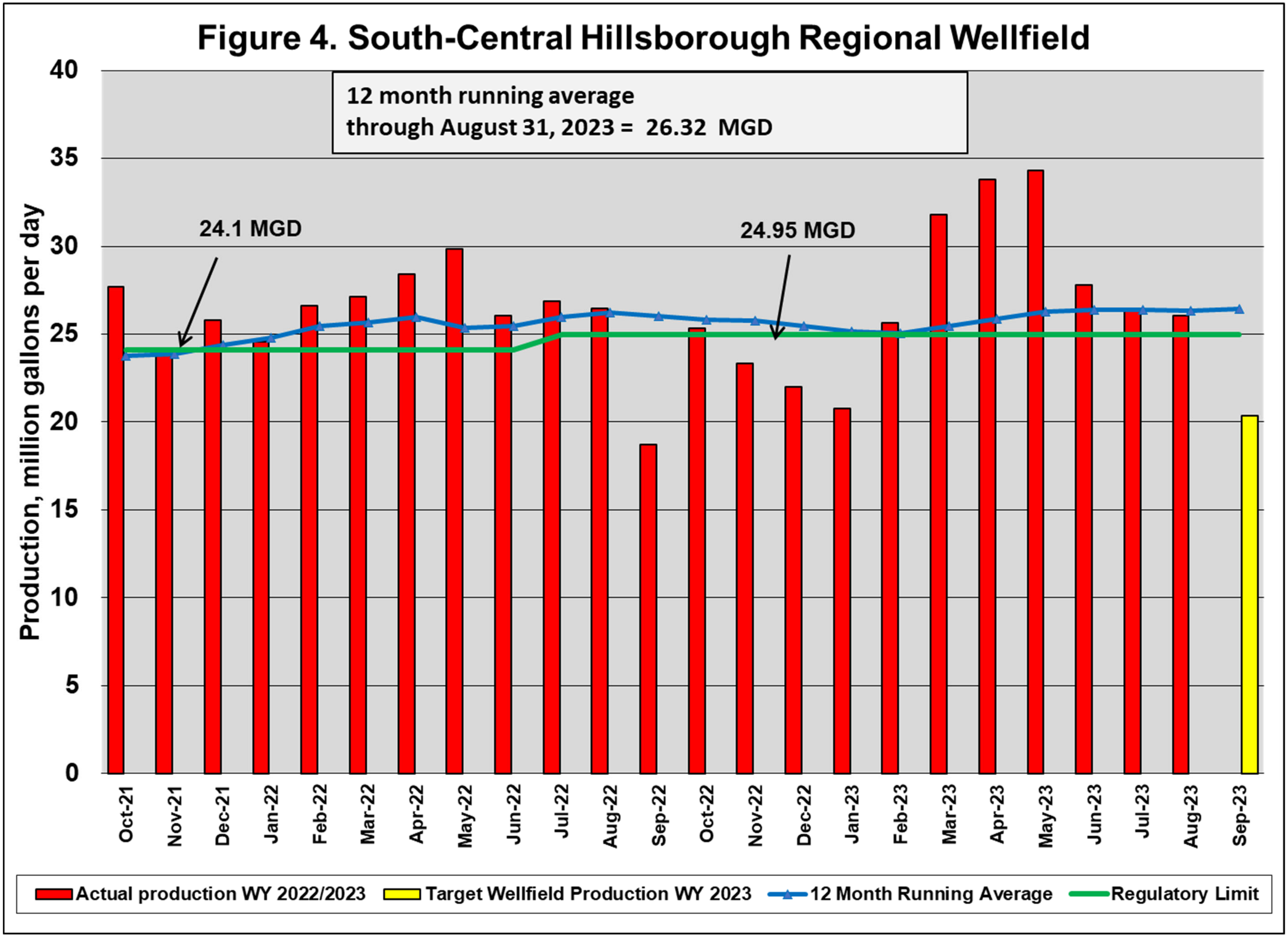
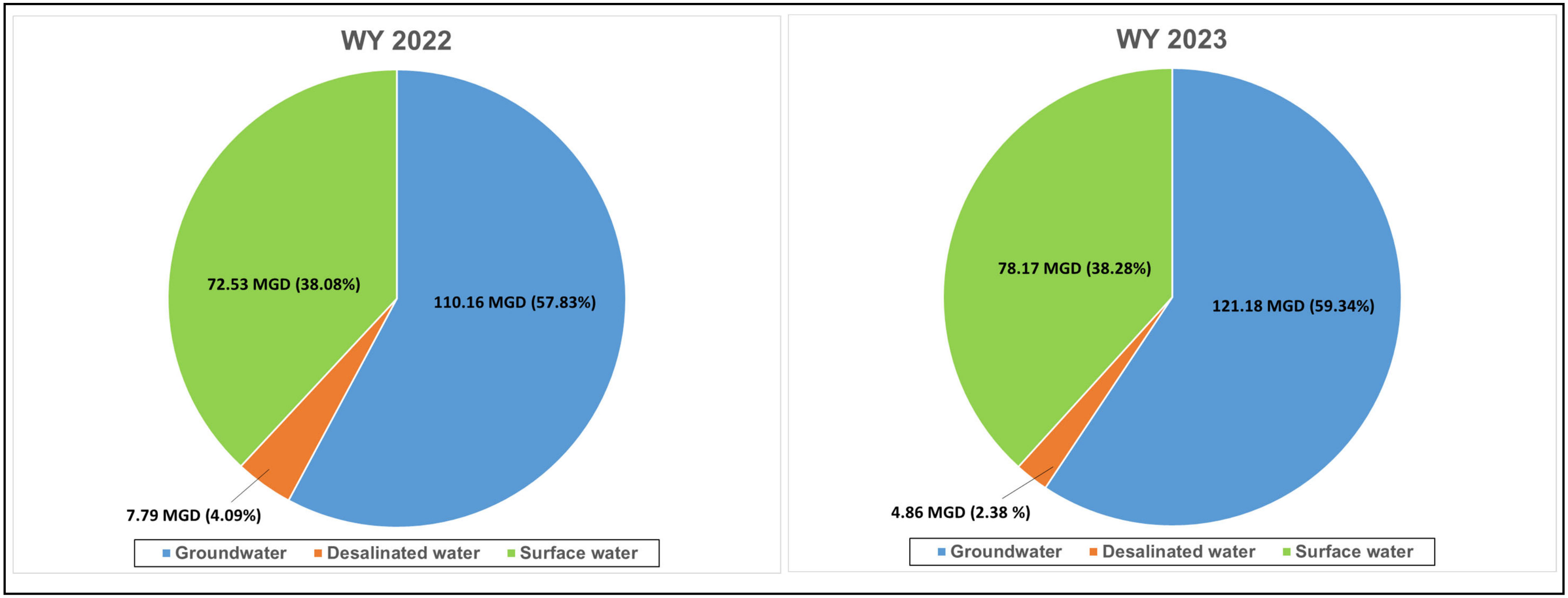


Figure 4. South-Central Hillsborough Regional Wellfield
12 month running average
through August 31, 2023 = 26.32 MGD
24.1 MGD
24.95 MGD
Production, million gallons per day
40
35
30
25
20
15
10
5
0
Oct-21
Nov-21
Dec-21
Jan-22
Feb-22
Mar-22
Apr-22
May-22
Jun-22
Jul-22
Aug-22
Sep-22
Oct-22
Nov-22
Dec-22
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23
Jul-23
Aug-23
Sep-23
Actual production WY 2022/2023
Target Wellfield Production WY 2023
12 Month Running Average
Regulatory Limit

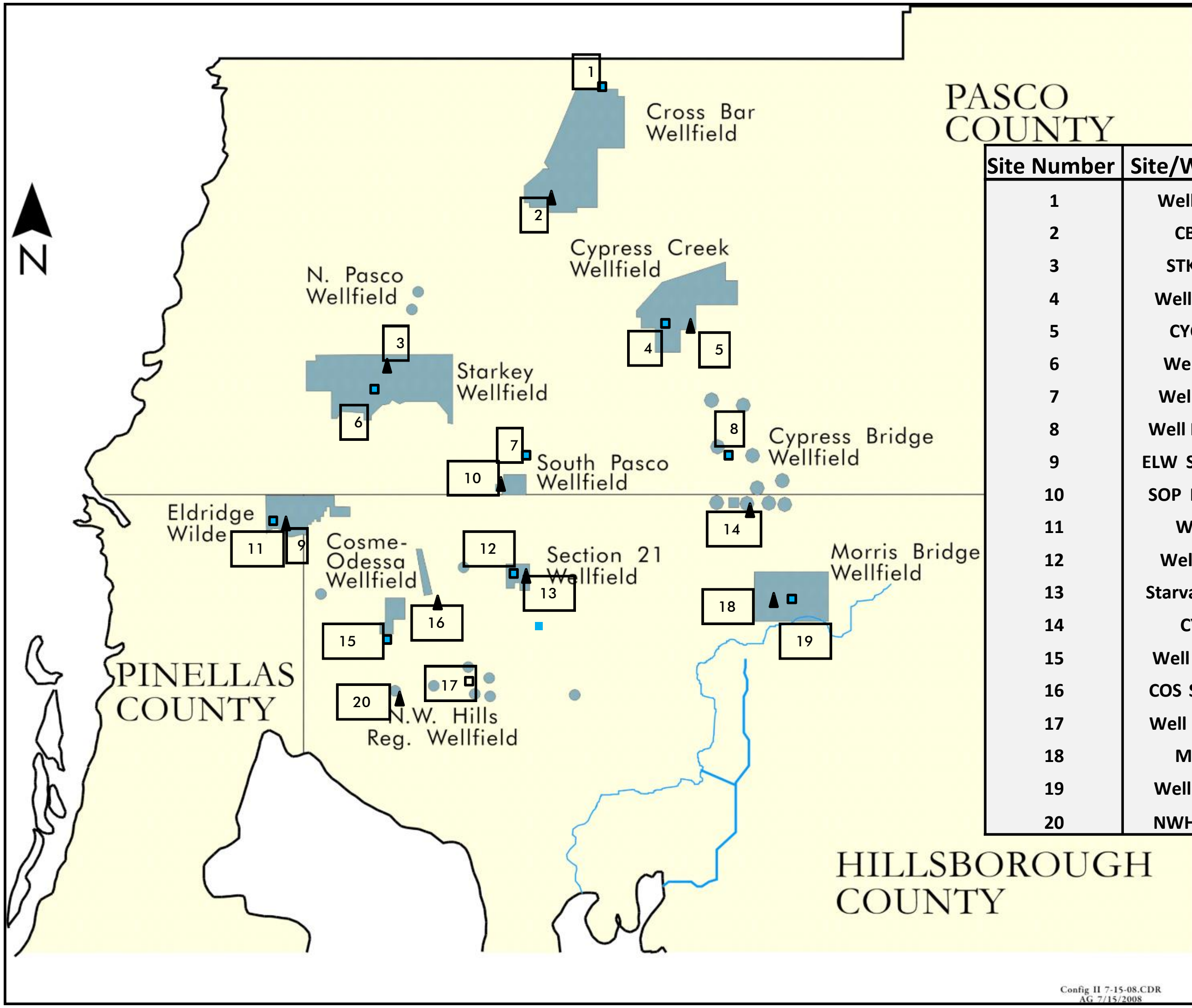
Figure 5: Tampa Bay Water Supply Sources

Water Year 2022 Compared To Water Year 2023



Monitoring Site Location Map

Figure 6

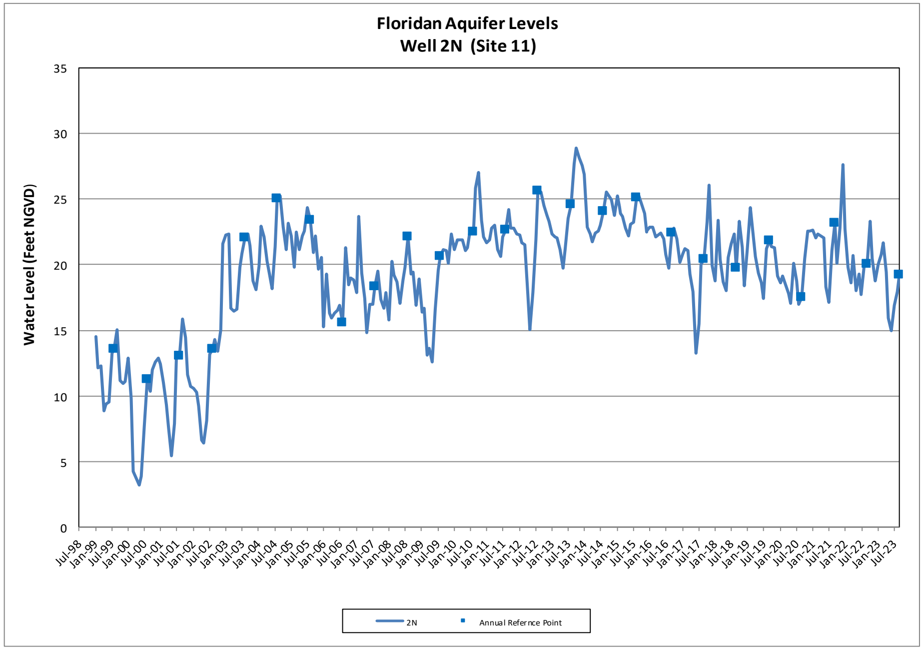


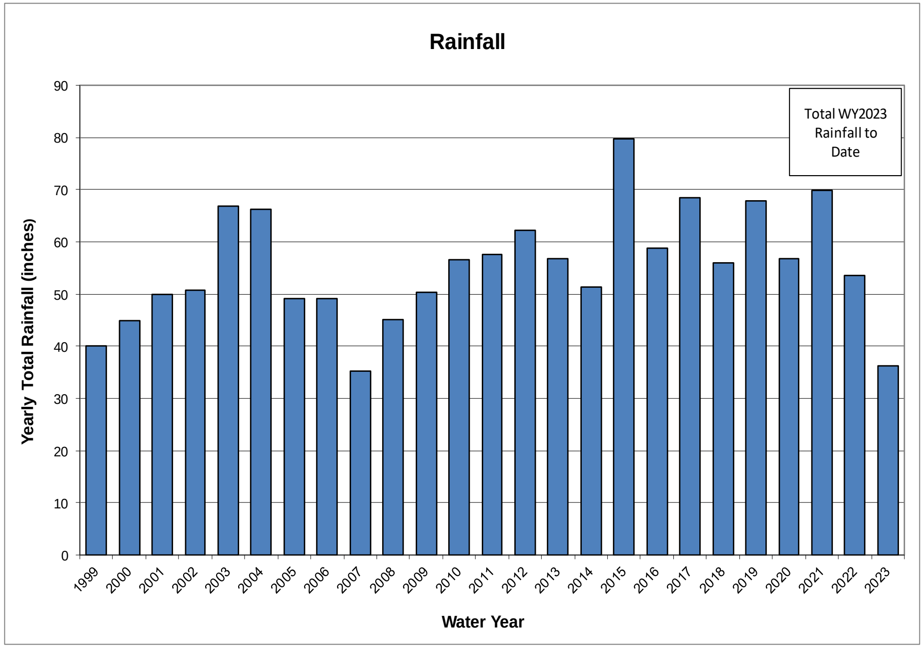
Site Number	Site/WellName
1	Well NRW-D
2	CBR-Q02
3	STKY S-95
4	Well TMR-4D
5	CYC W23
6	Well PZ-4D
7	Well SR-54D
8	Well FL-5-5000
9	ELW SW062717
10	SOP PTC332618
11	Well 2N
12	Well J-26Ad
13	Starvation Lake
14	CYB 33
15	Well Cosme-3
16	COS SE142717
17	Well RMP-8D
18	MBR-30
19	Well MBR-2D
20	NWH 142817

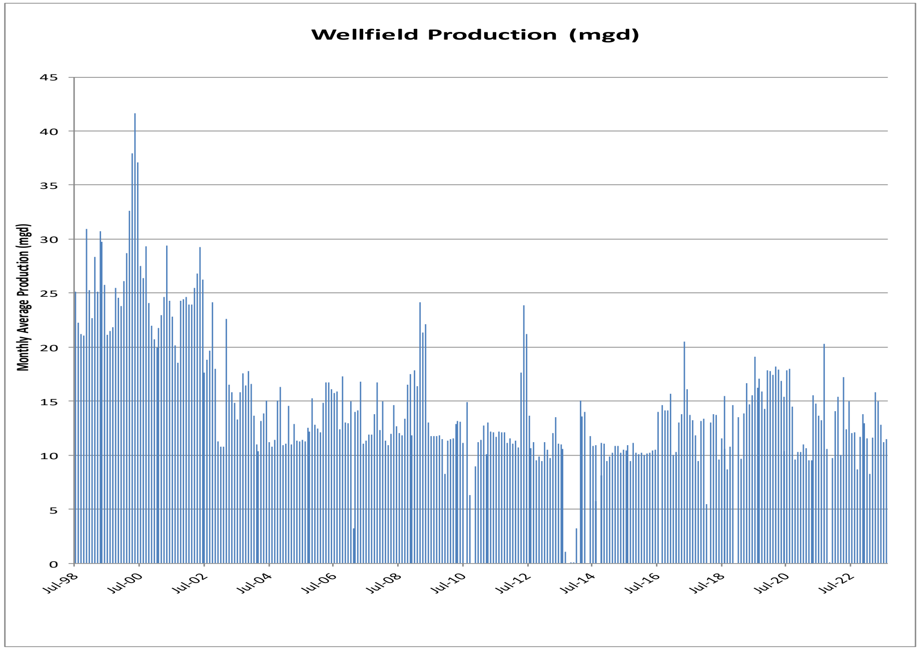
Floridan Monitoring Well Site
Surface Water Monitoring Site

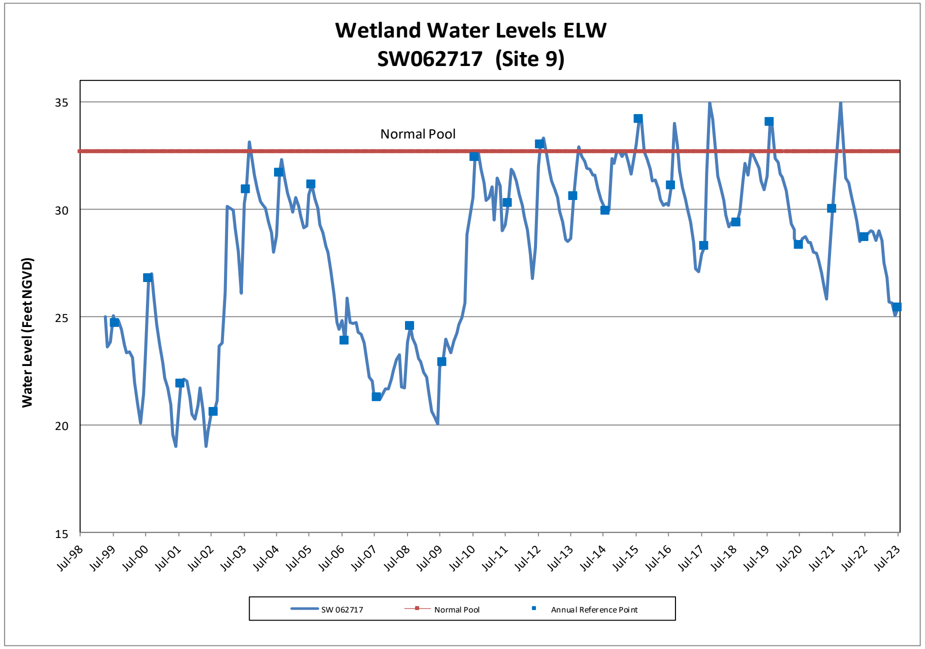
Eldridge Wilde Wellfield

Figure 7



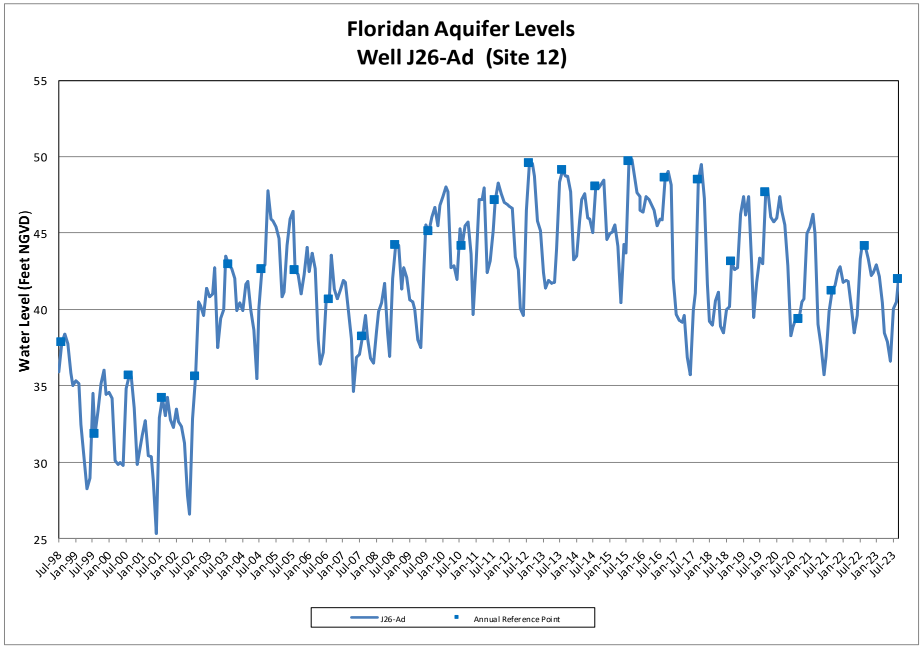


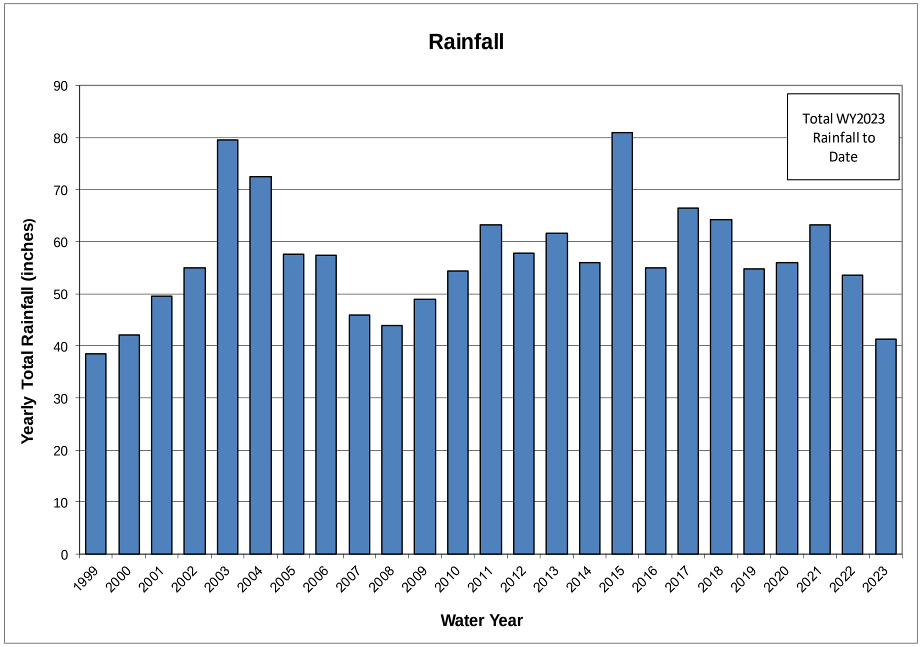


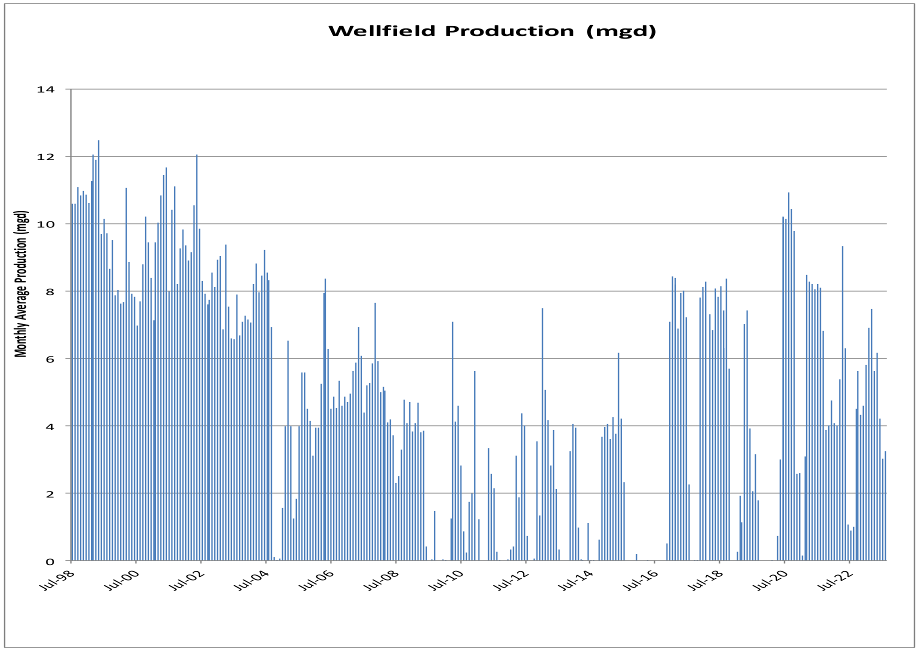


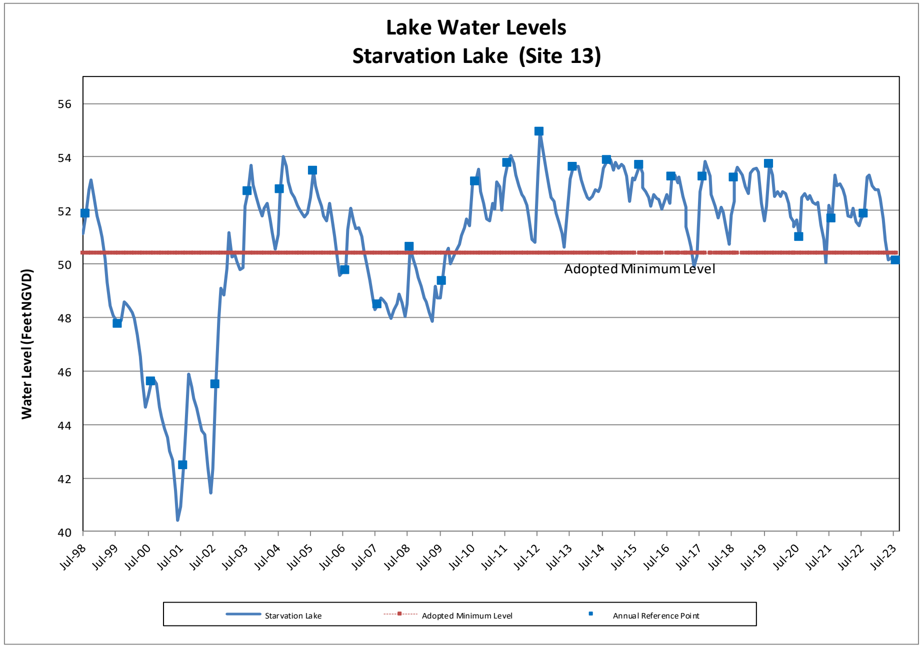
Section 21 Wellfield

Figure 8



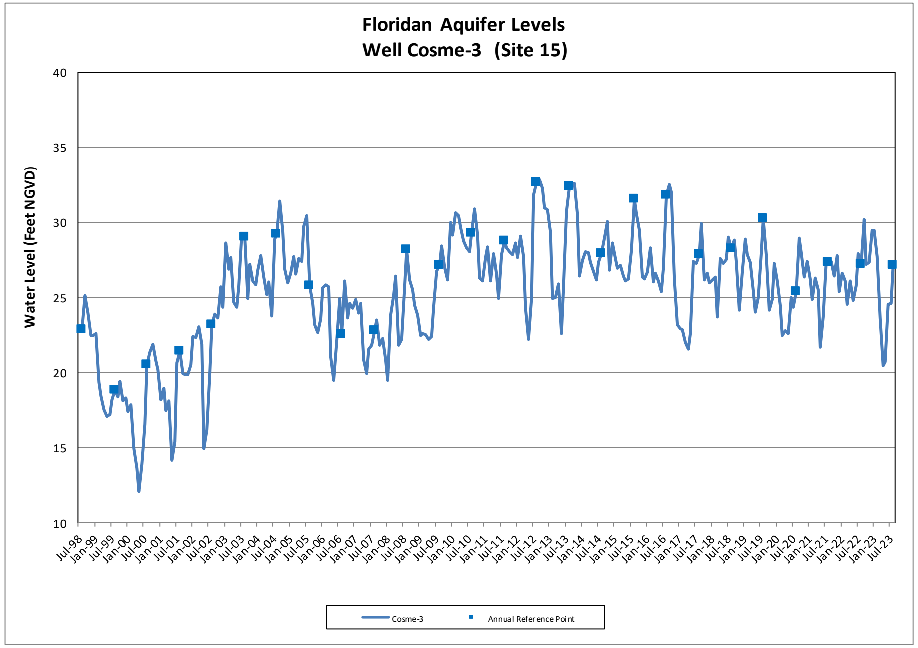


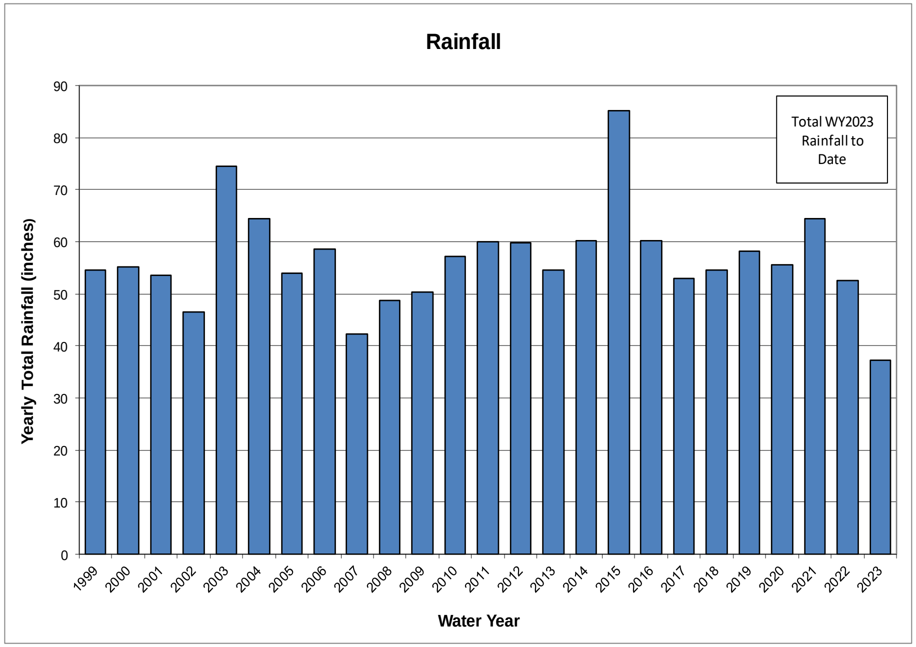


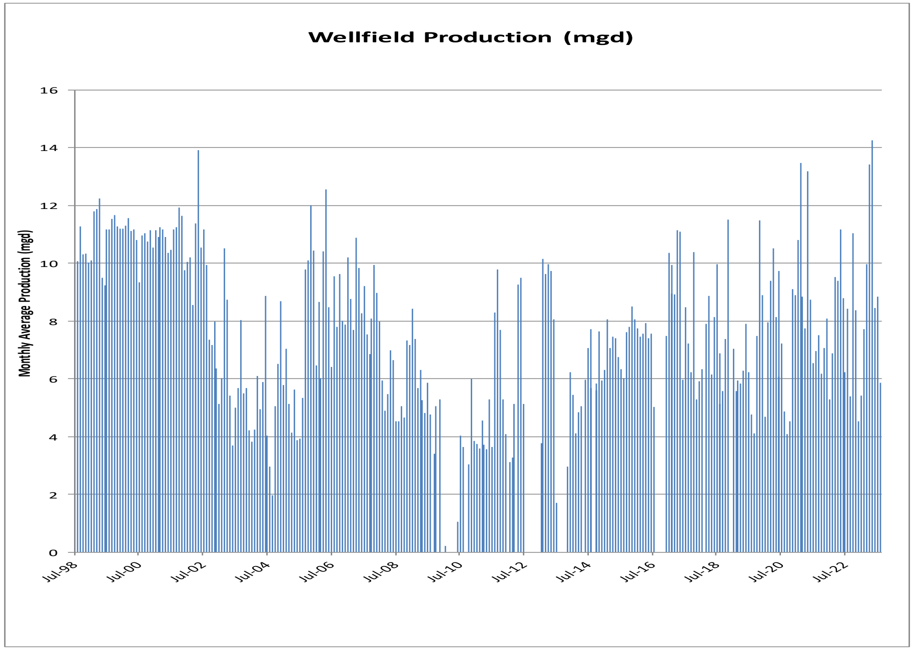


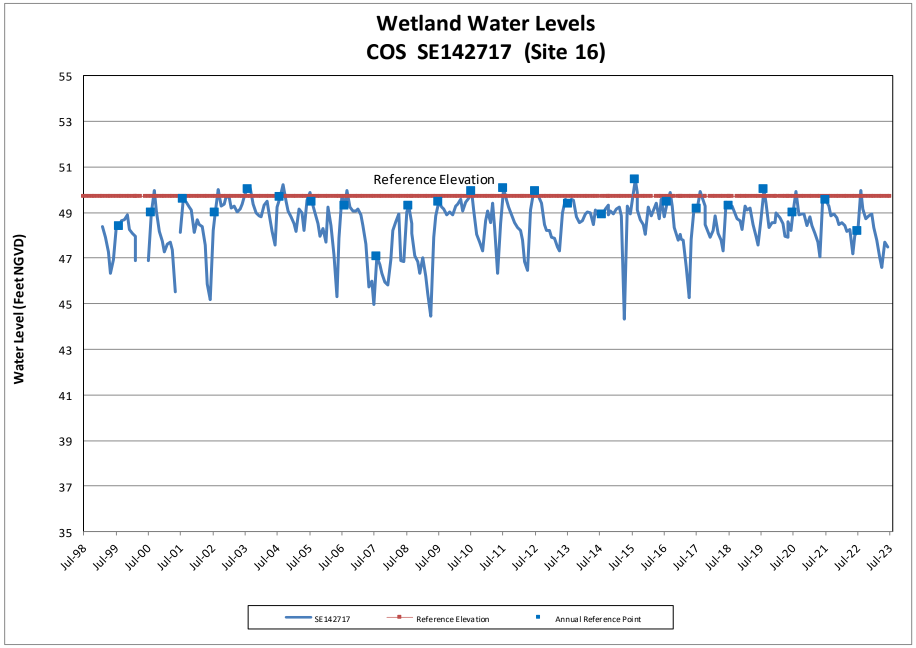
Cosme-Odessa Wellfield

Figure 9



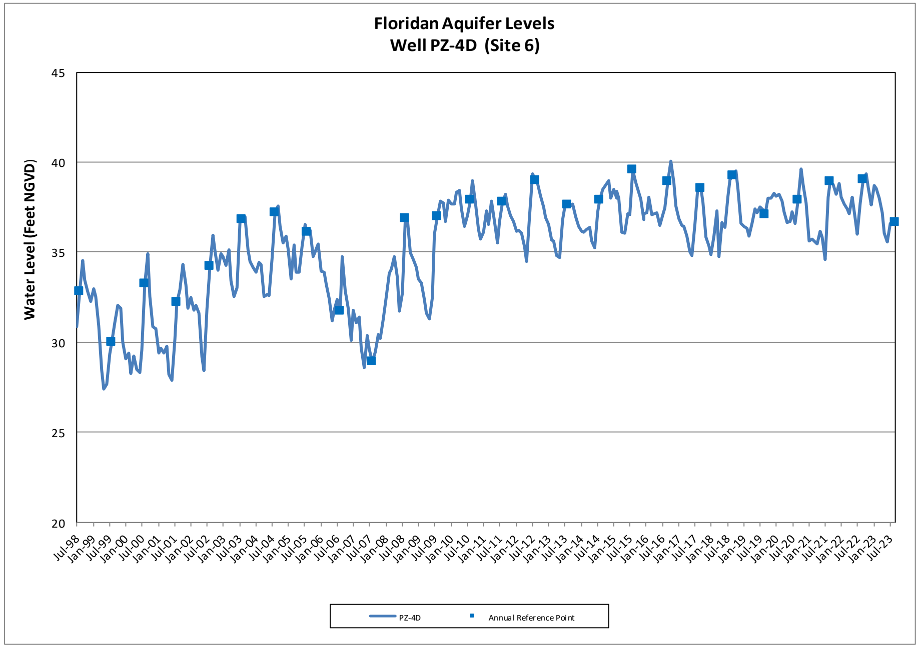


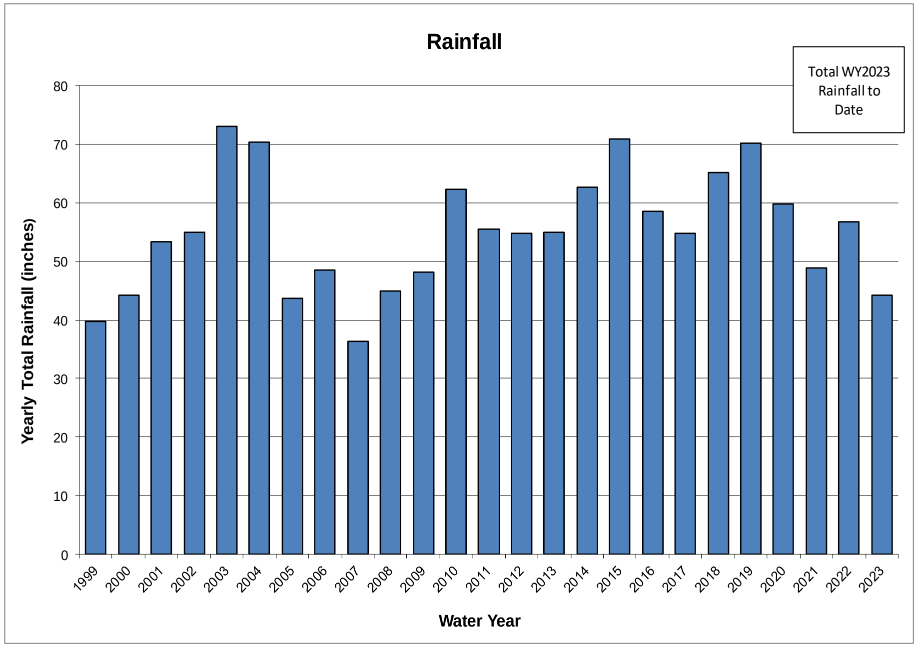


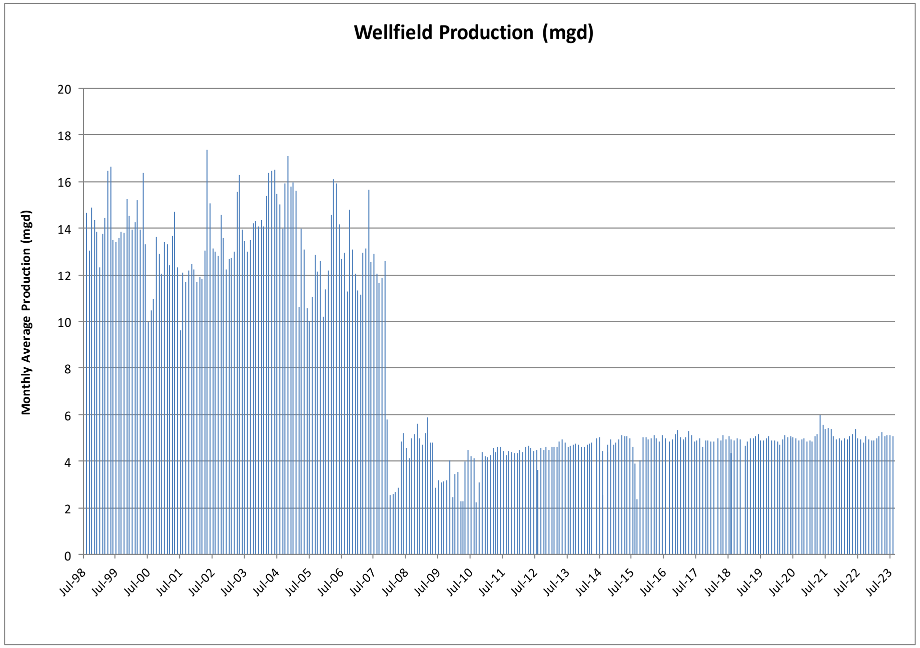


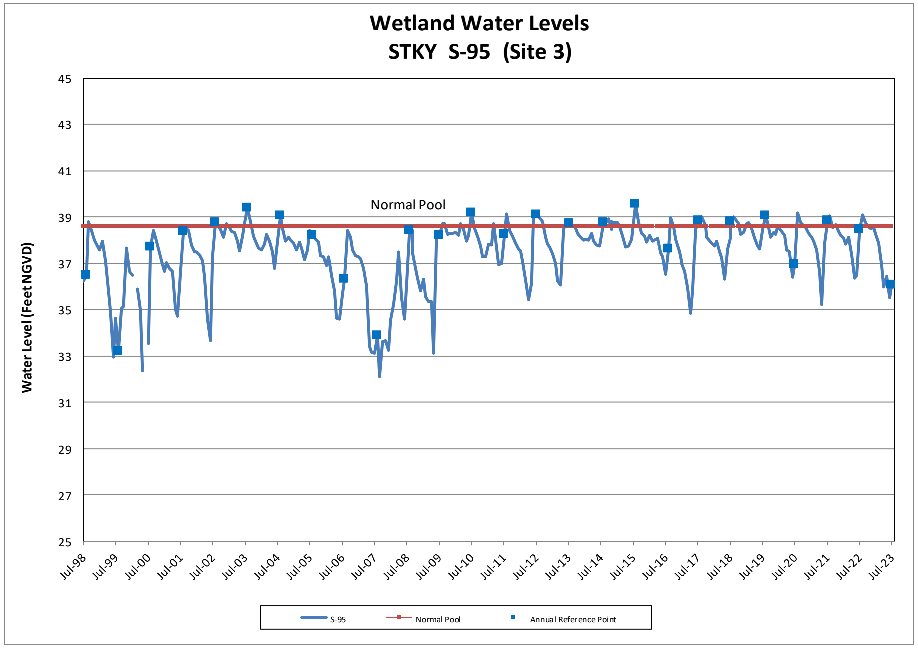
Starkey Wellfield

Figure 10



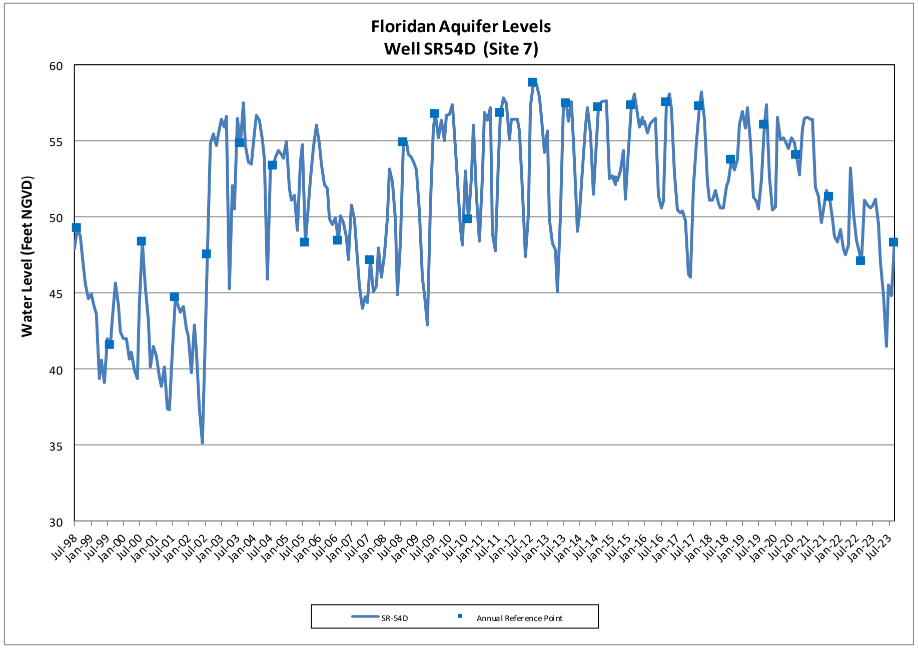


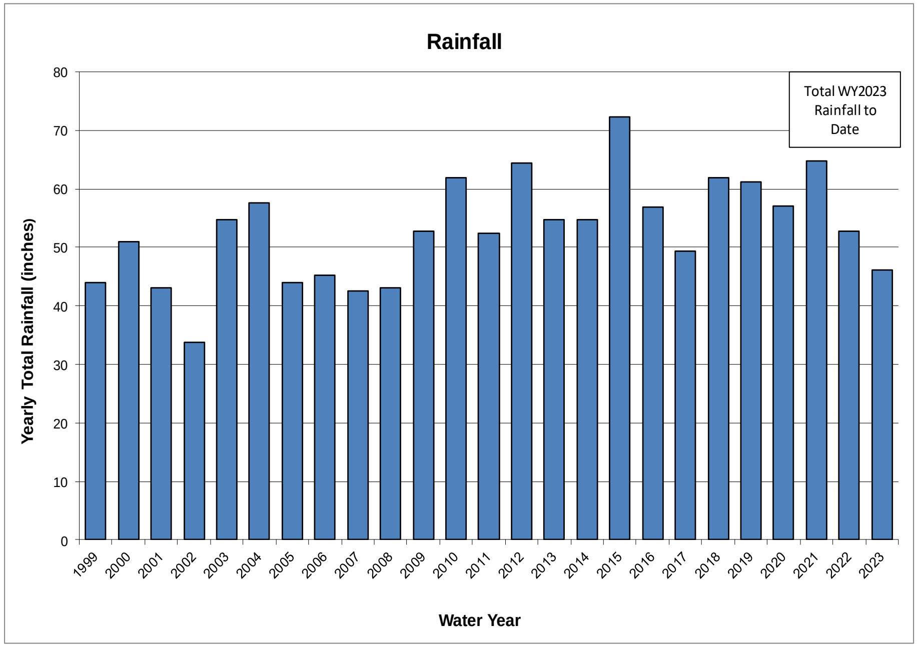


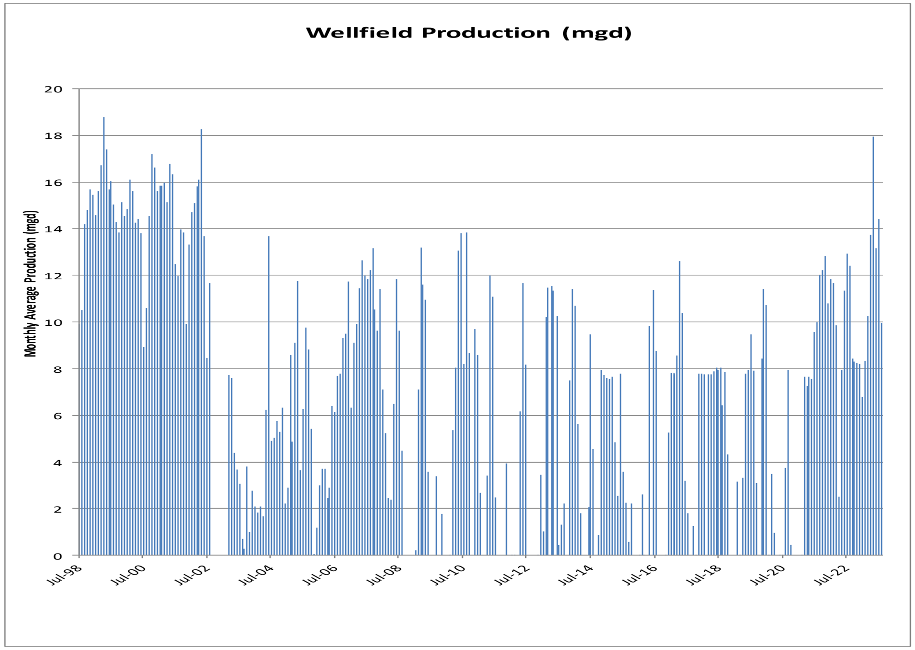


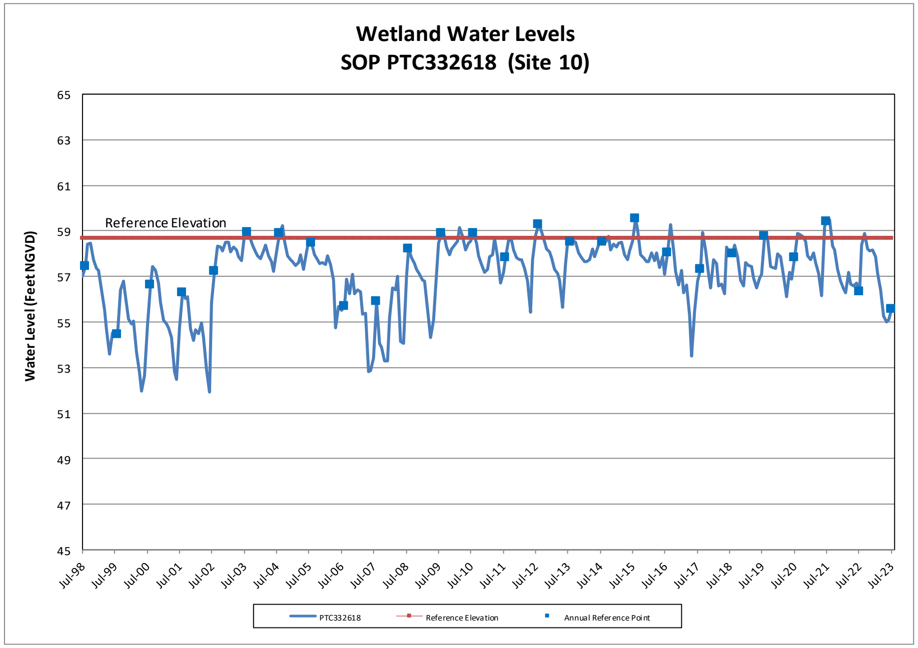
South Pasco Wellfield

Figure 11



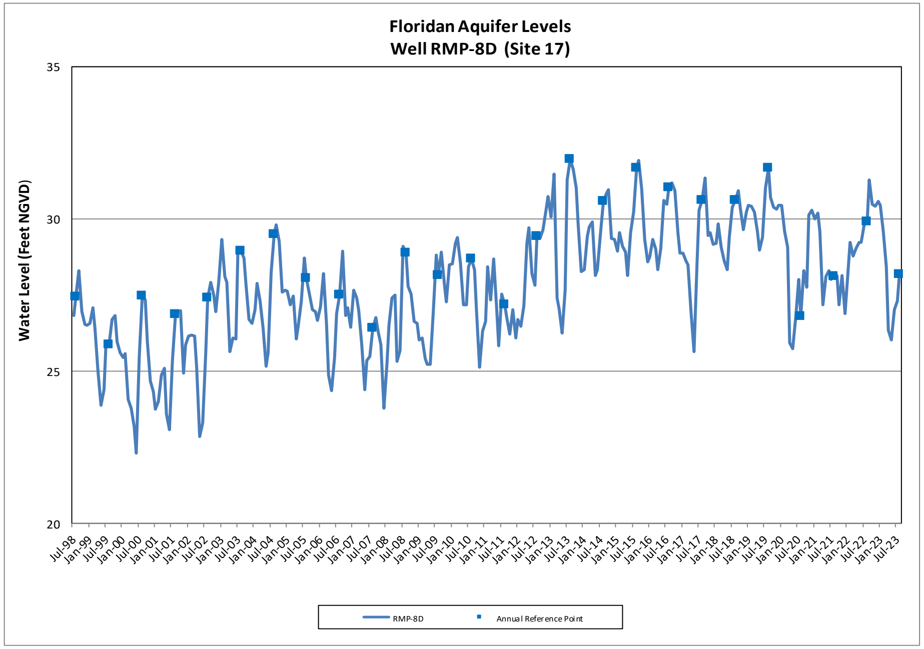


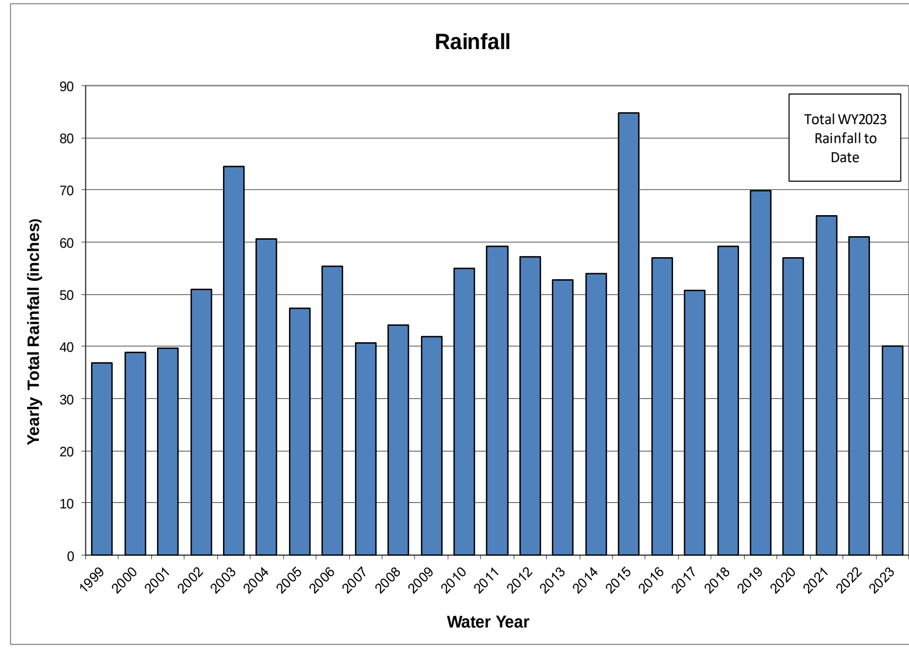


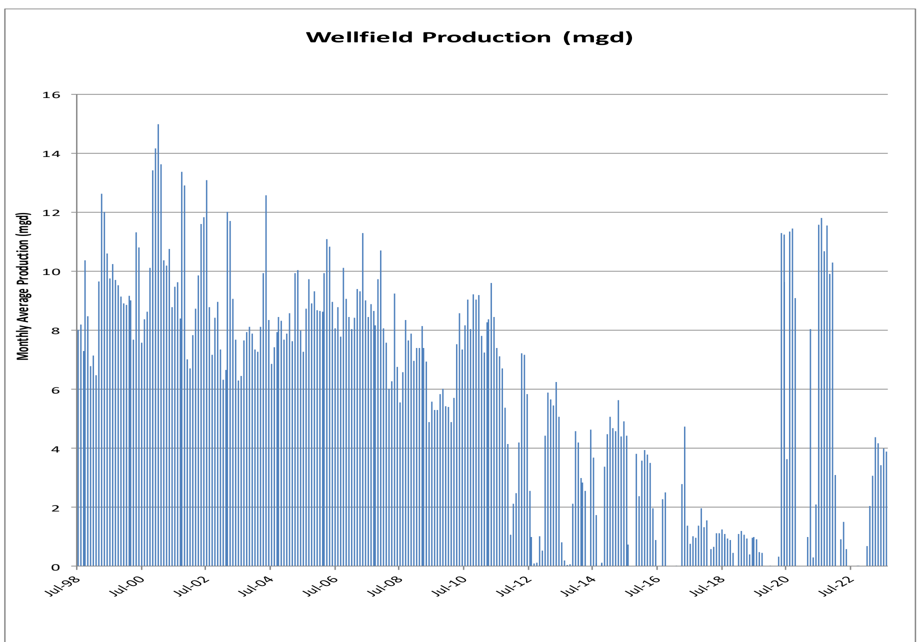


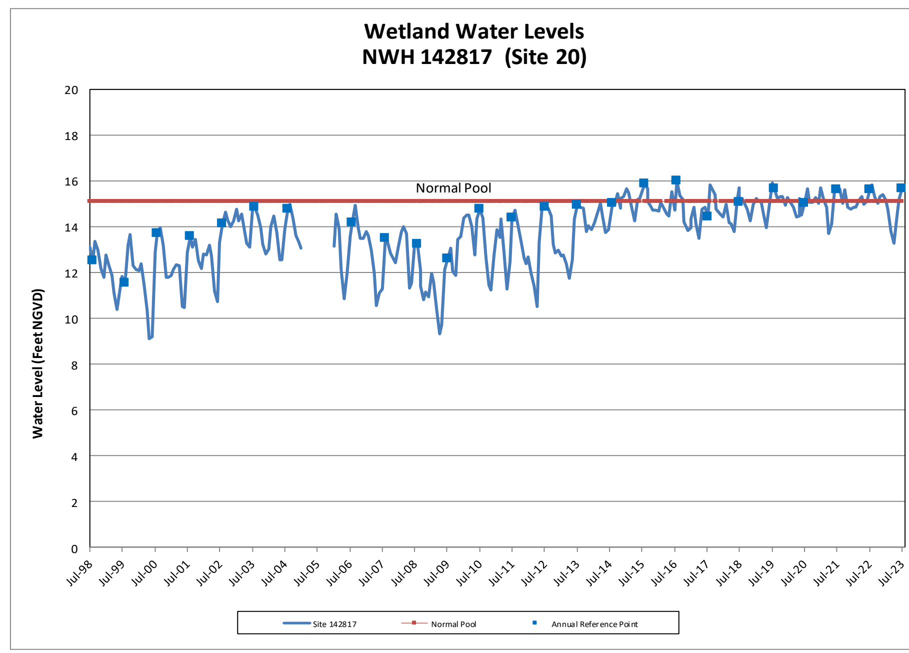
Northwest Hillsborough Regional Wellfield

Figure 12

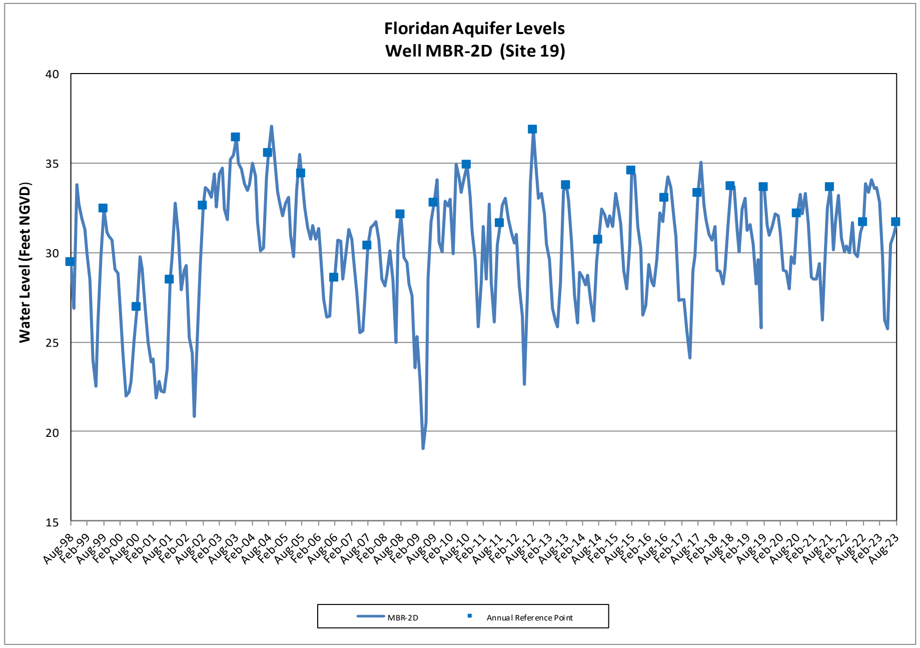


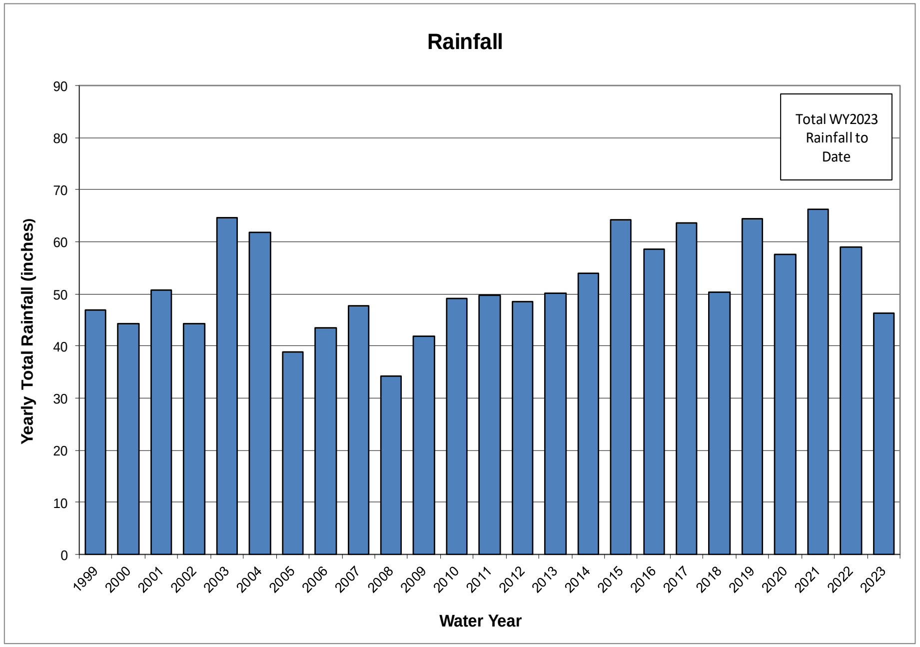


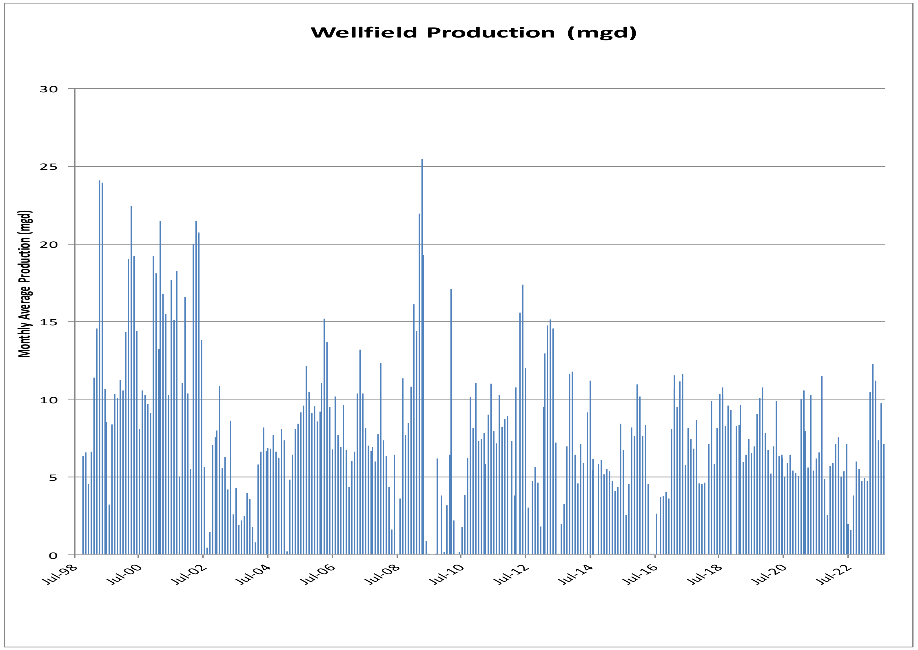


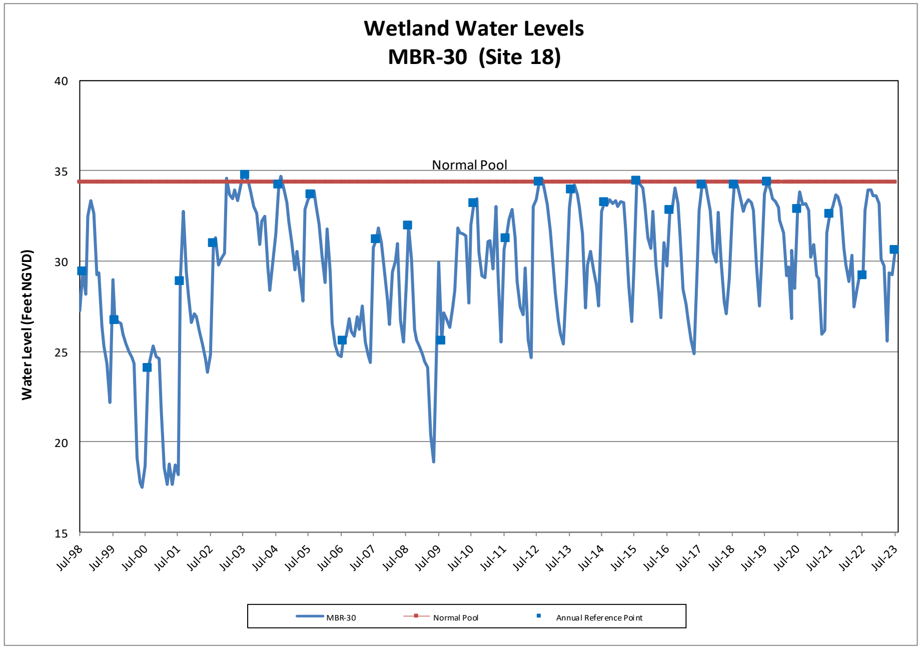


Morris Bridge Wellfield



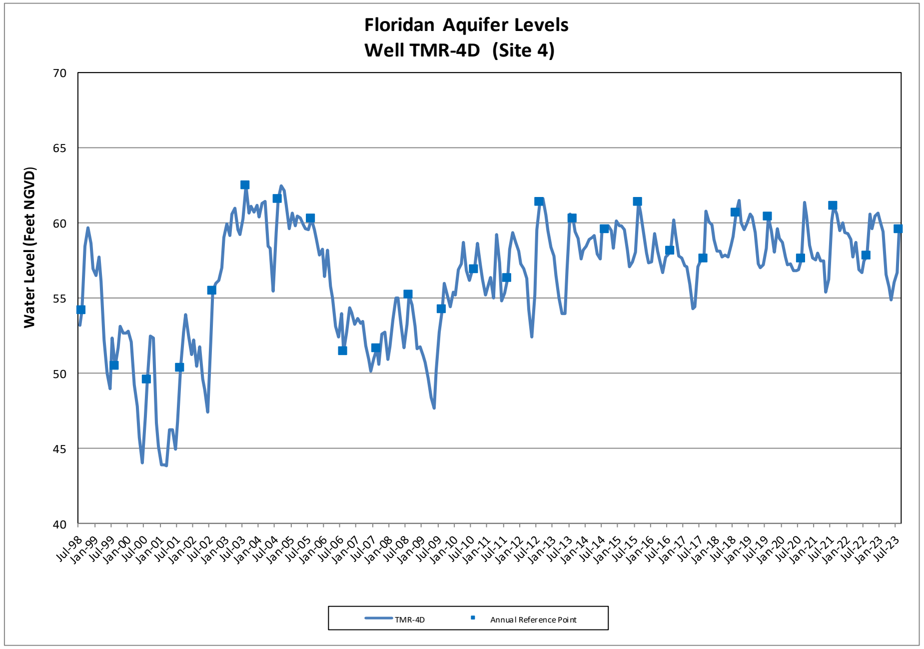


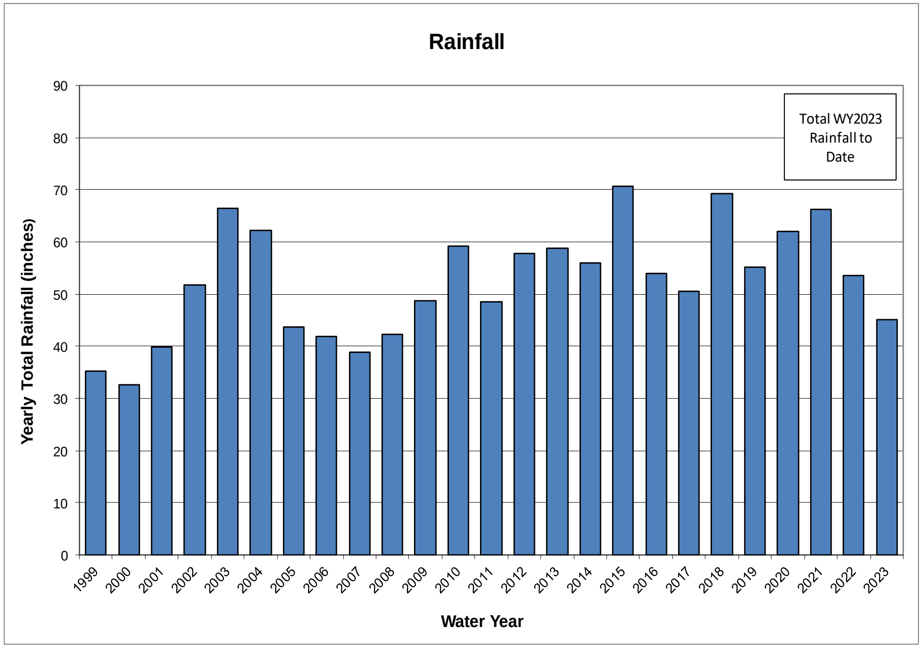


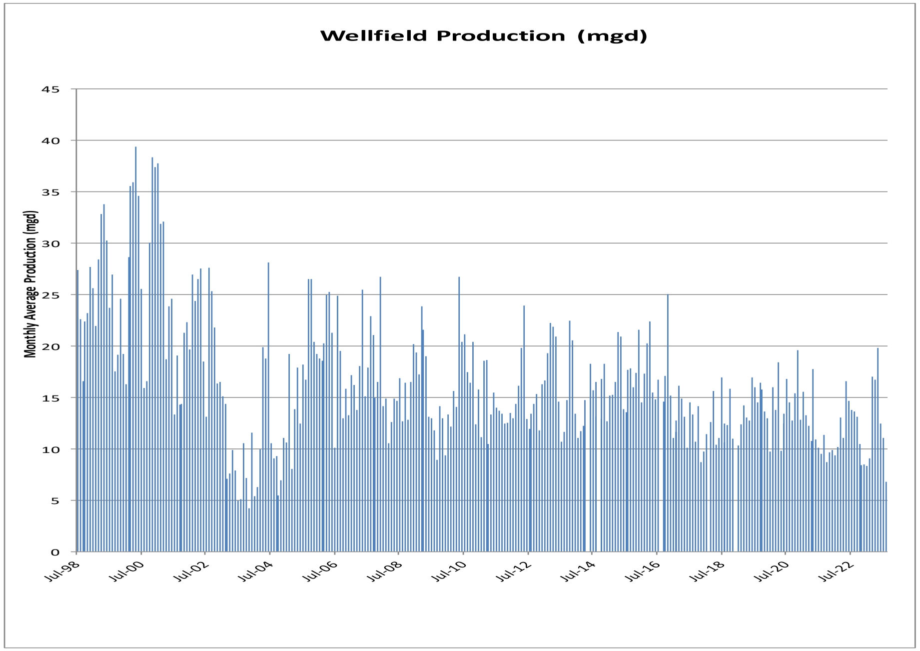


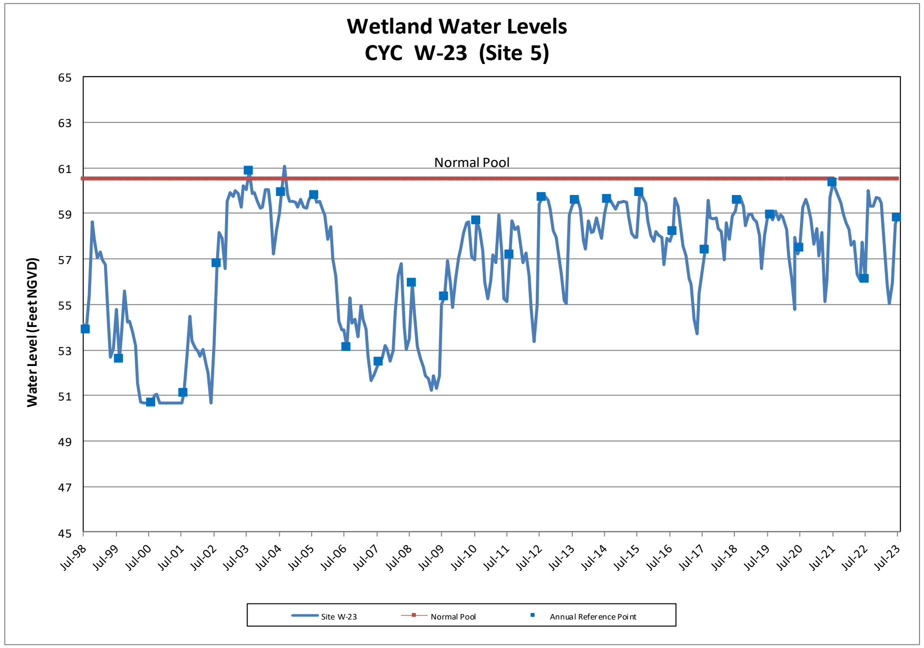
Cypress Creek Wellfield

Figure 14



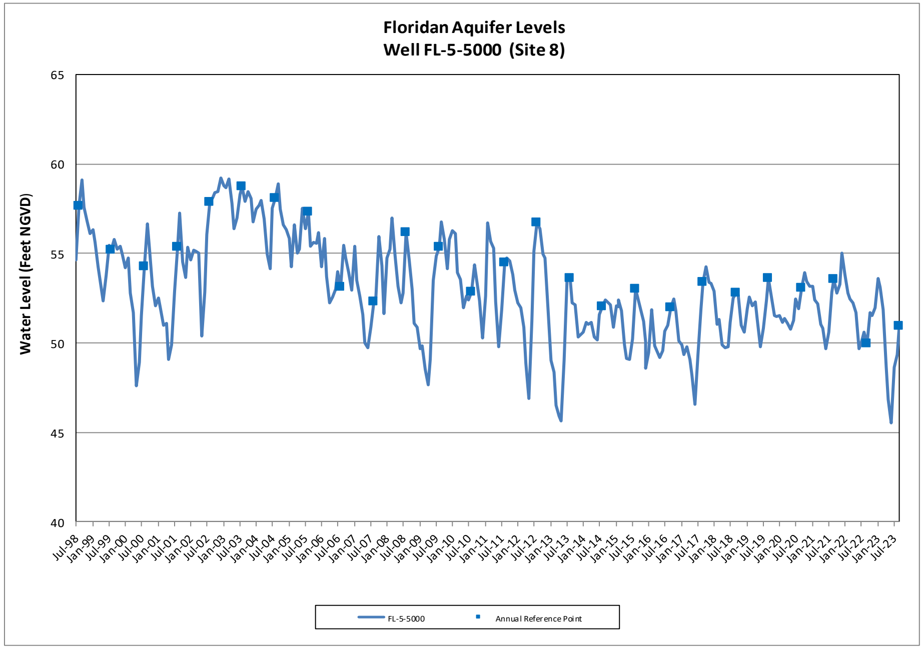


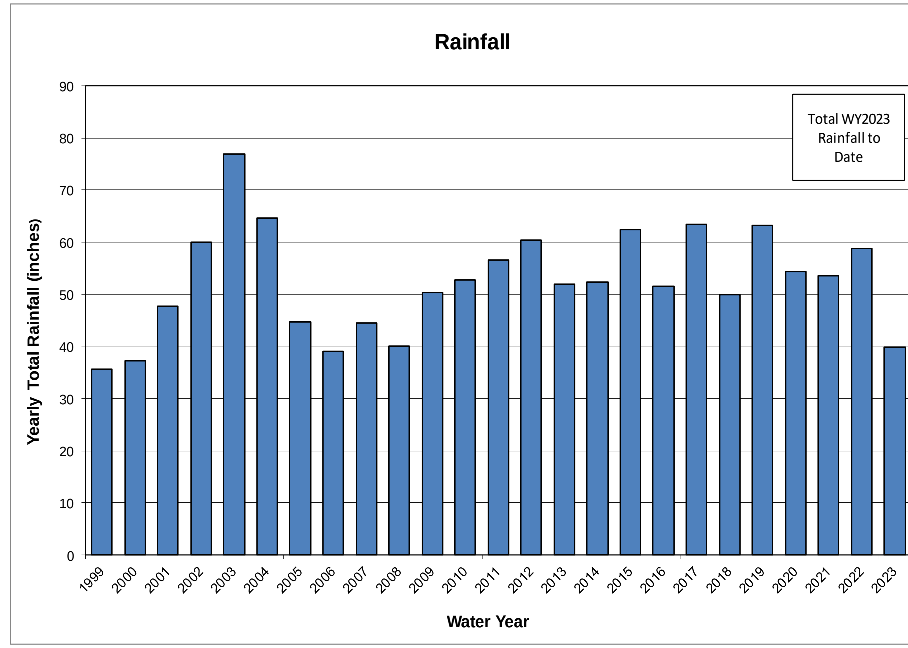


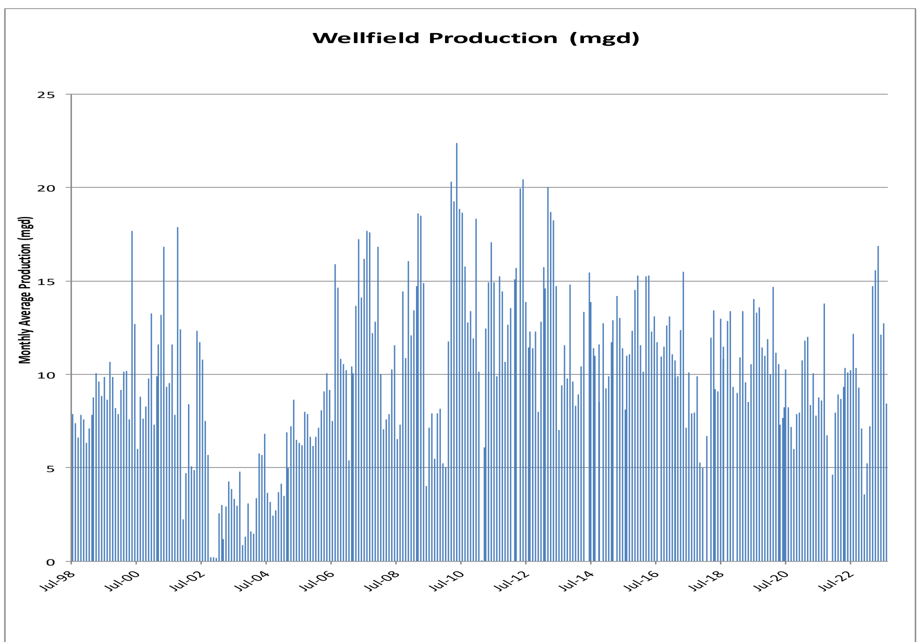


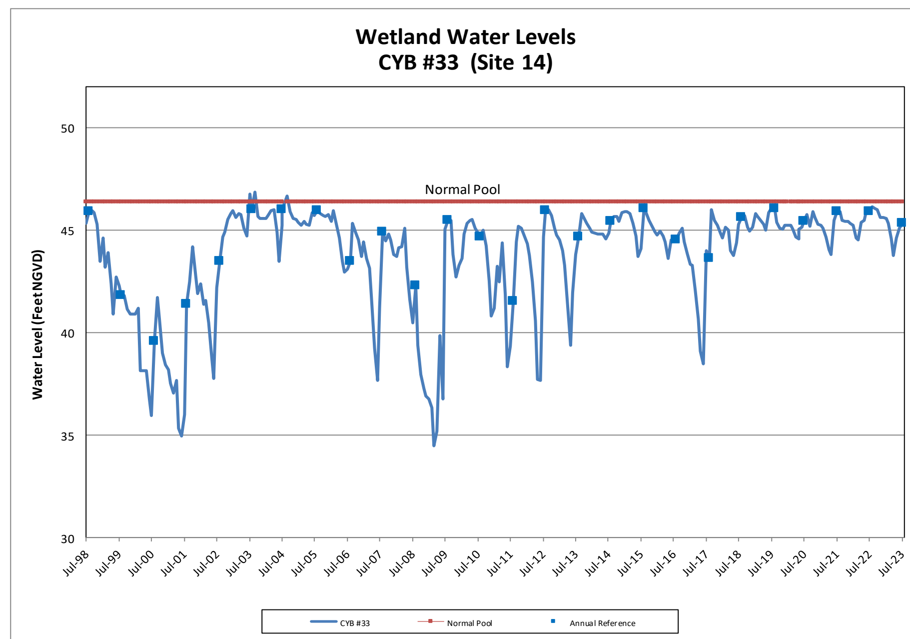
Cypress Bridge Wellfield

Figure 15



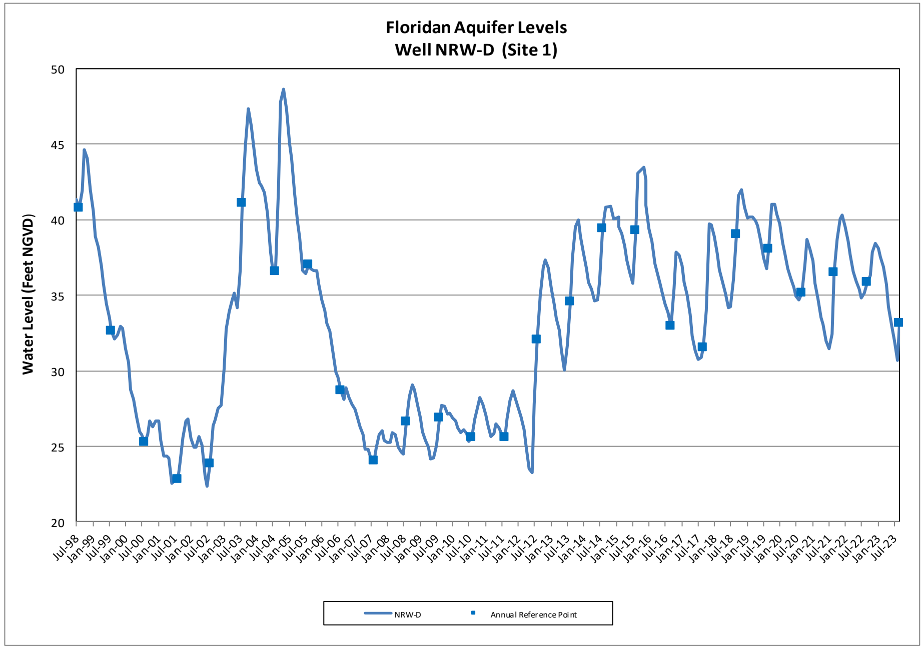


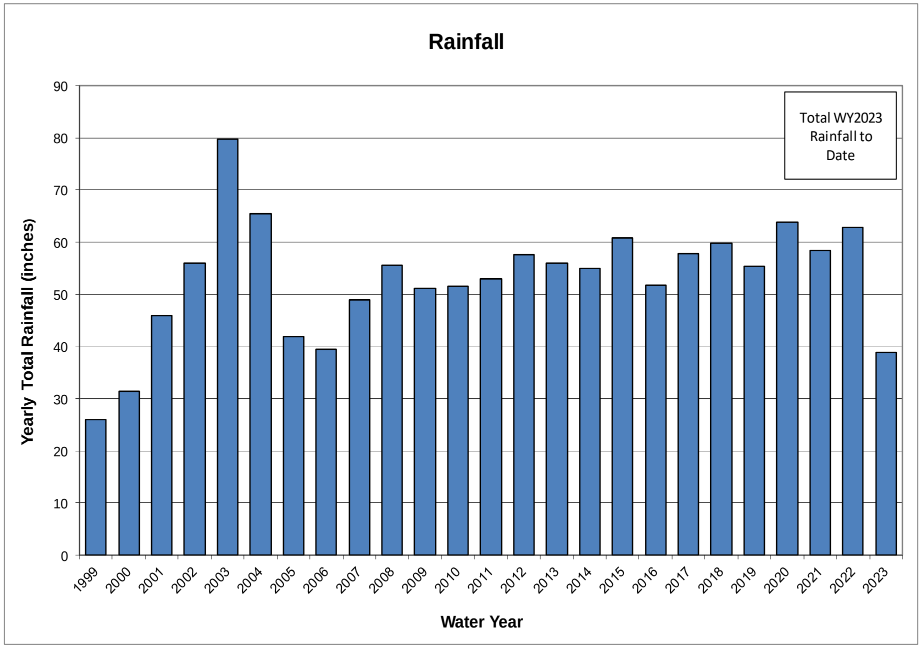


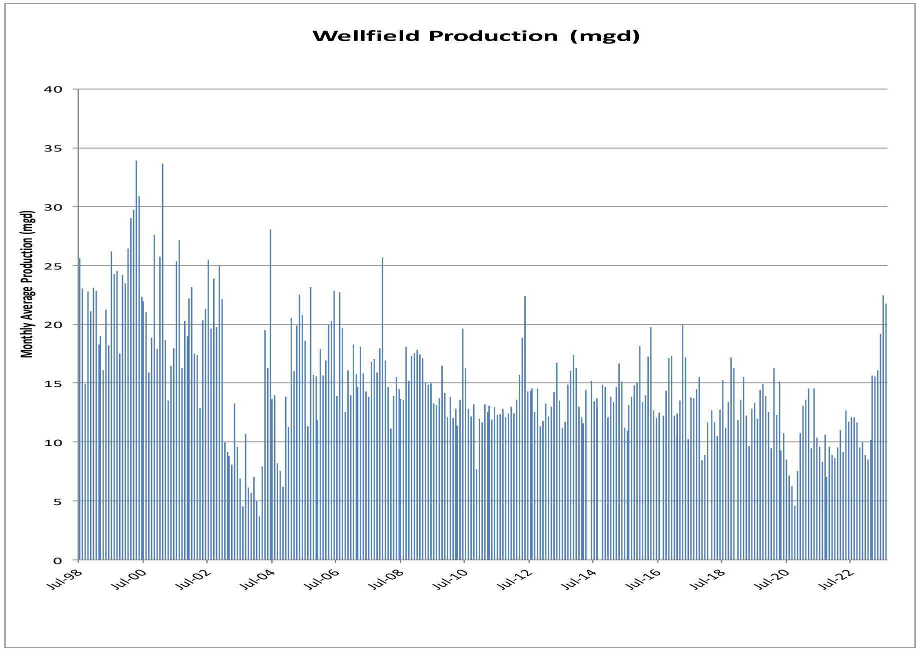


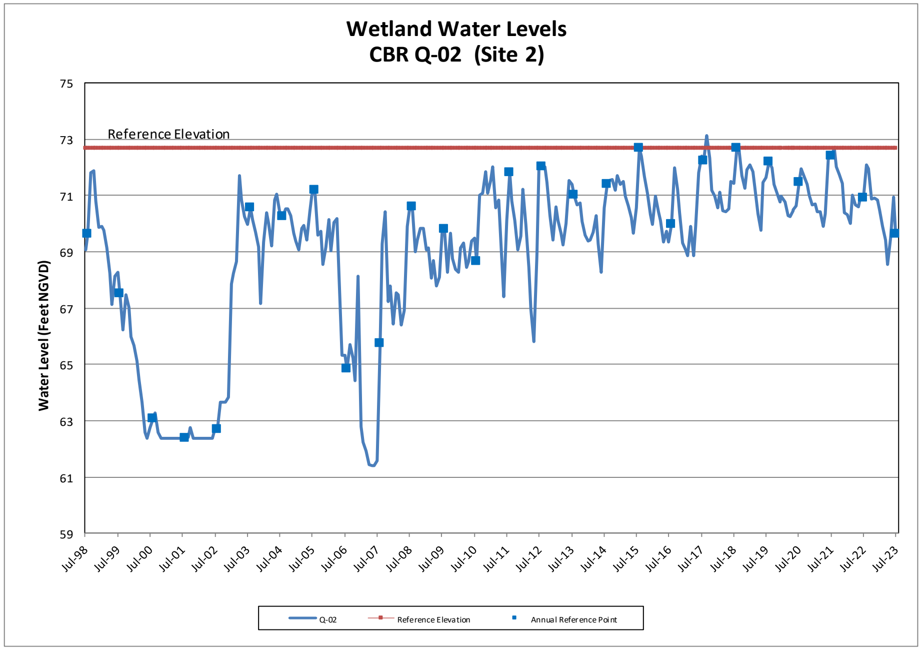
Cross Bar Ranch Wellfield

Figure 16









Regional Water Supplies, Member Demands and Environmental Conditions

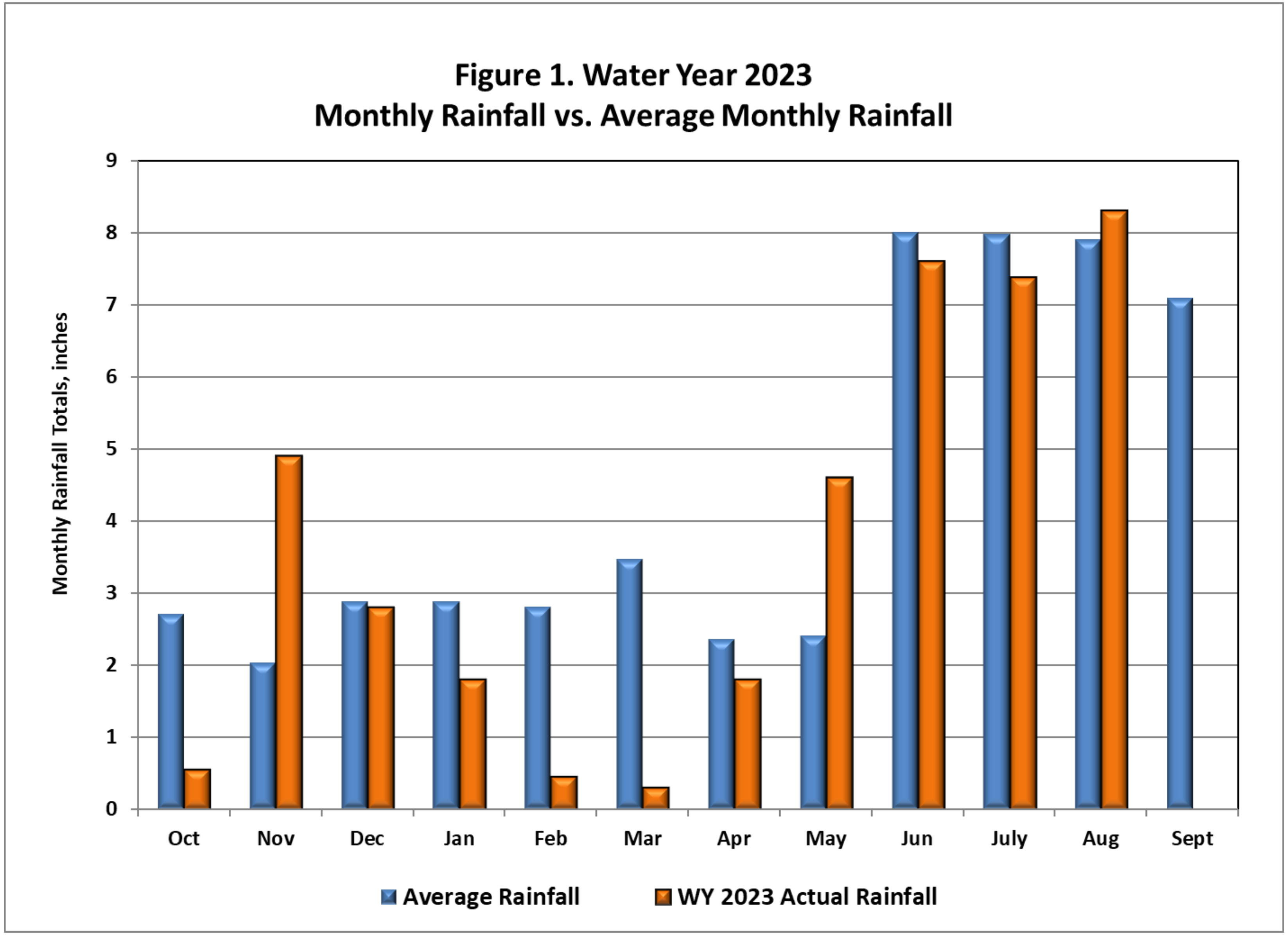
Agenda Item D.4

September 18, 2023

Warren Hogg, P.G.
Chief Science Officer
Tampa Bay Water

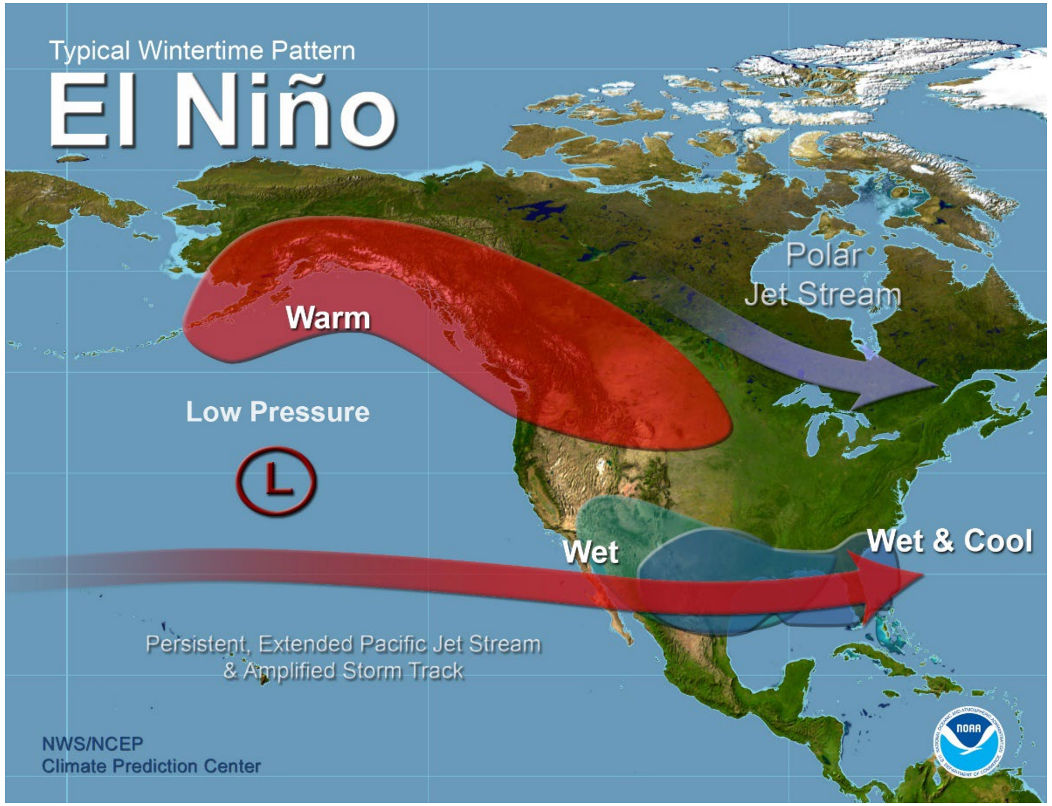
TAMPA BAY WATER
Supplying Water To The Region

Water Year 2023 Rainfall



TAMPA BAY WATER
Supplying Water To The Region

Climate Forecast



Courtesy of National Oceanic and Atmospheric Administration

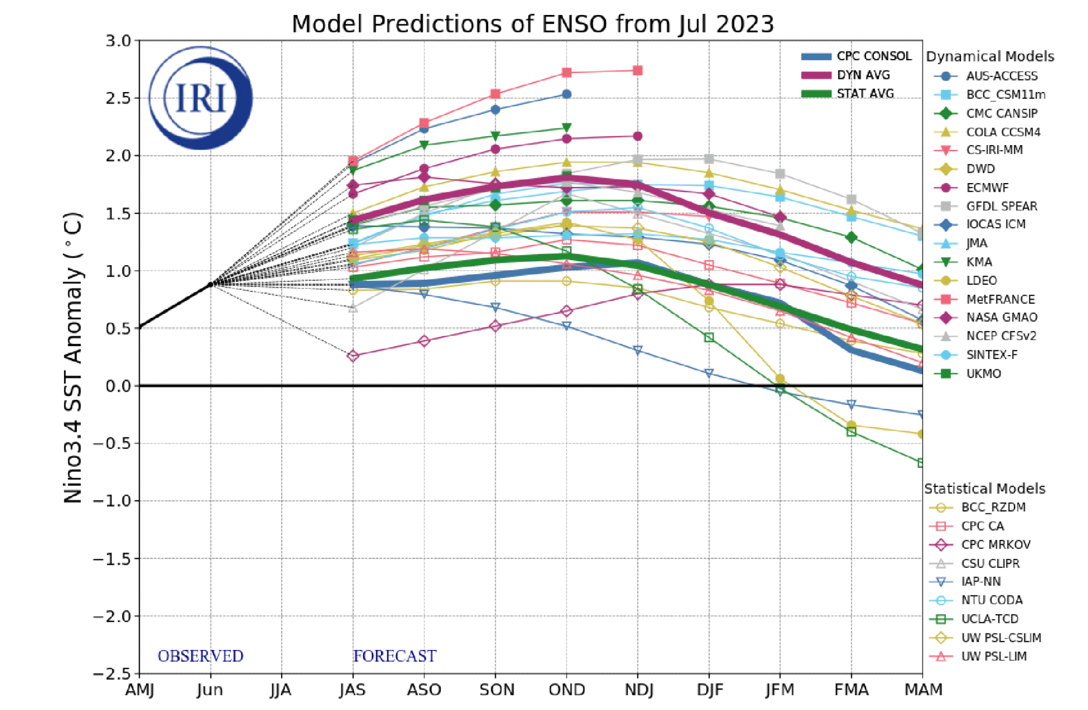
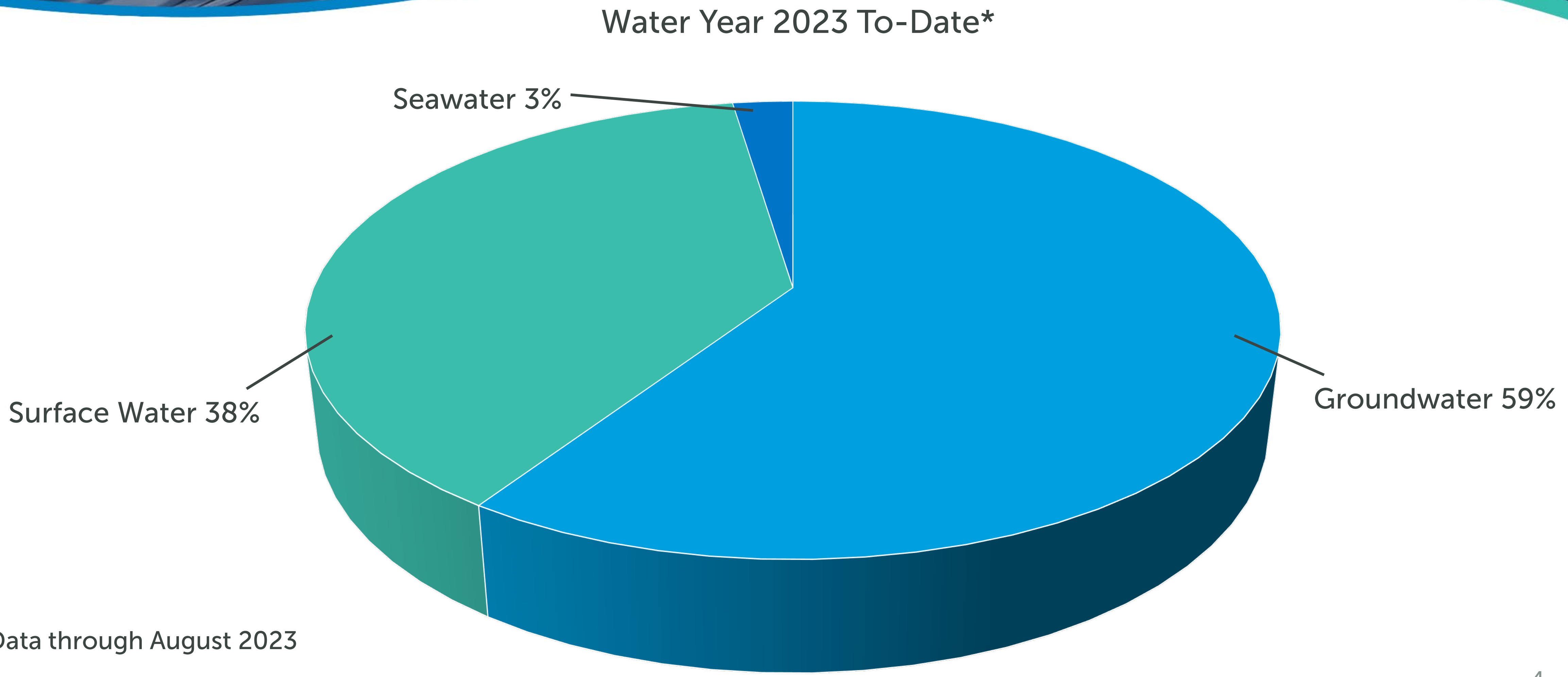


Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 19 July 2023 by the International Research Institute (IRI) for Climate and Society.

Courtesy of National Oceanic and Atmospheric Administration

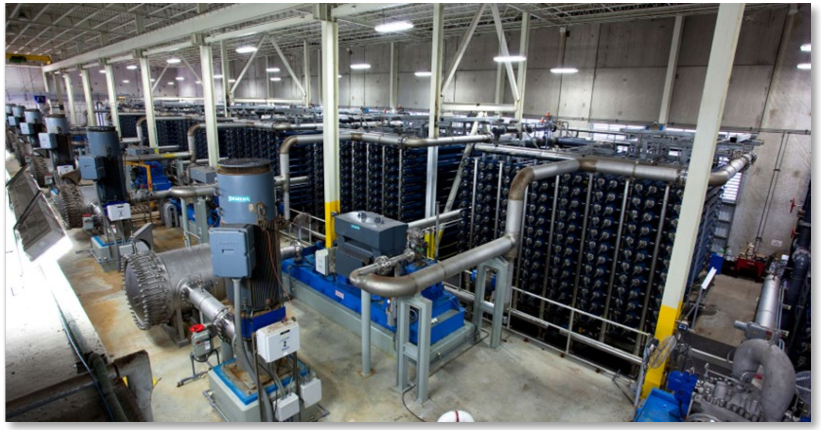
Tampa Bay Water Supply Sources



*Data through August 2023

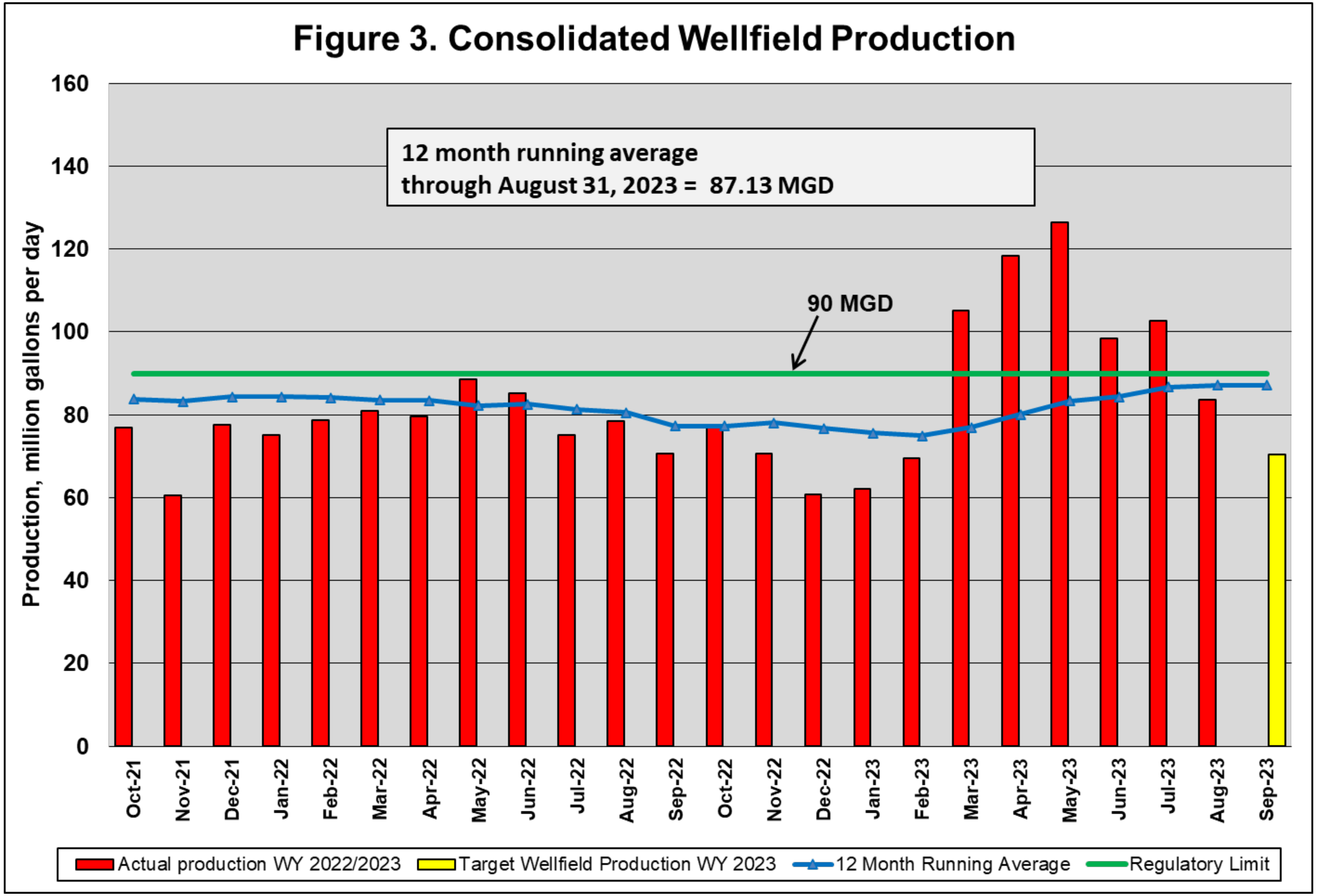
Alternative Water Supplies

- Tampa Bay Regional Surface Water Treatment Plant
  - 78.2 million gallons per day average delivery
- C.W. Bill Young Regional Reservoir
  - 14 billion gallons current volume (9/13/23)
- Tampa Bay Seawater Desalination Facility
  - Offline in March 2023



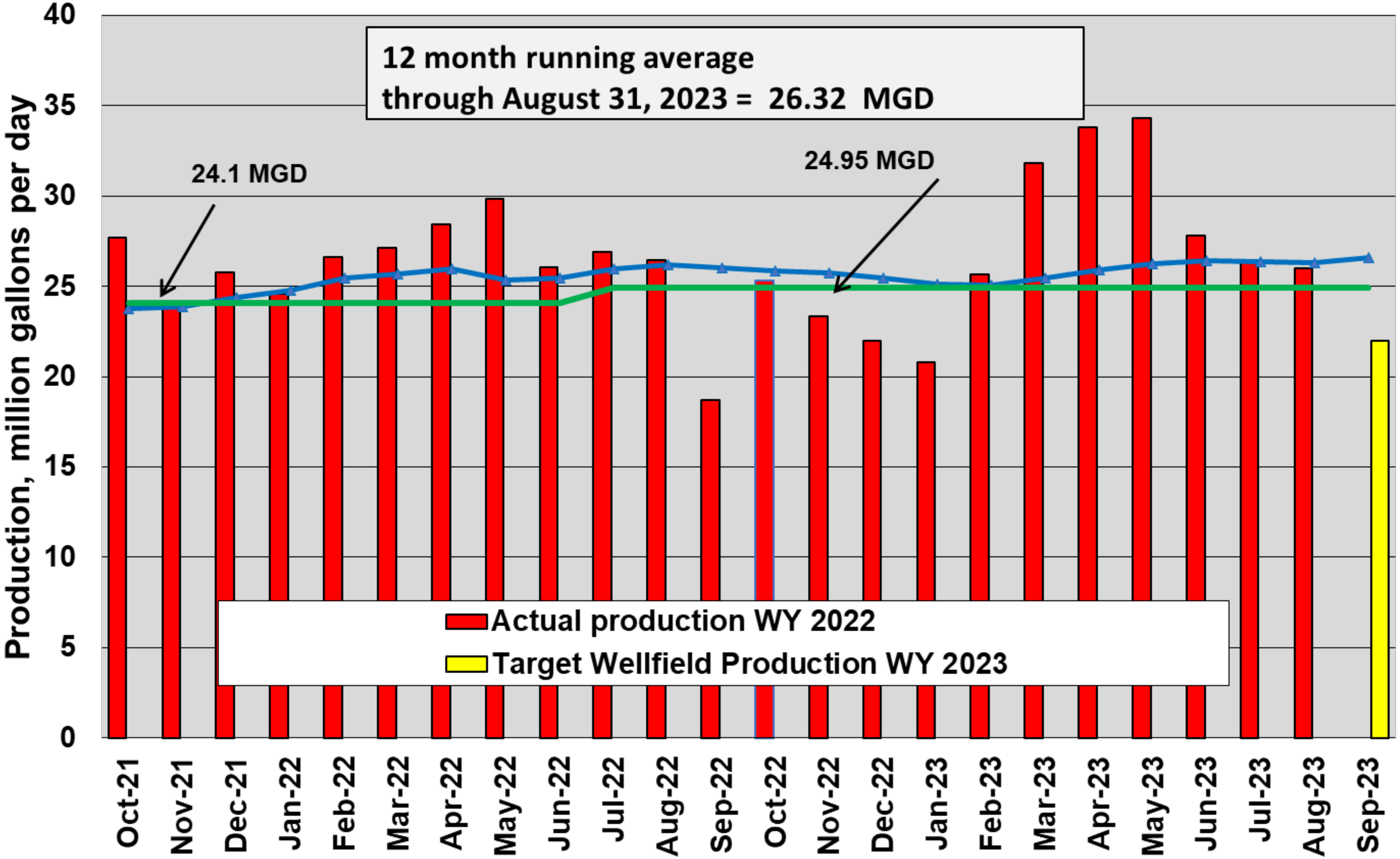
TAMPA BAY WATER
Supplying Water To The Region

Consolidated Water Use Permit Wellfields



TAMPA BAY WATER
Supplying Water To The Region

South-Central Hillsborough Regional Wellfield



TAMPA BAY WATER
Supplying Water To The Region

Environmental Conditions

- Aquifer levels
  - Increasing with summer rain
  - Slightly lower than last year
- Lakes and wetlands
  - Slight increase in water levels
  - Much lower than last year
- Low and inconsistent rainfall this year

Fiscal Year 2024 Supply Source Considerations

- Balance use of supply sources
- Water delivery to the City of Tampa
- Increased use of the Tampa Bay Seawater Desalination Plant
- Sustained use of Tampa Bay Regional Surface Water Treatment Plant
- Maintaining the Consolidated Water Use Permit below 90 million gallons per day
- Reducing the South-Central Hillsborough Regional Wellfield pumping rate

Questions

Tampa Bay Water
Supplying Water To The Region

AGENDA ITEM F.1

DATE: September 1, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Division Officers and Directors

SUBJECT: Agency Division Activity Reports for August 2023 - *Receive Report*

SUMMARY

The following is an update on current activities for each Tampa Bay Water Division for the month of August 2023.

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 August 2023.

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 August 2023.

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.

- Received Executive Team endorsement on the Continuous Improvement Organizational Framework.
- Conducted a best-practices sharing session with K2i on Human Resources in support of Strategic Plan Goal 5; continued planning meetings with K2i for future sessions.
- Began negotiations with Arcadis on the Statement of Work for assistance with the first phase of the Agency's four-phased approach to improving its Data Management Strategy.
- Completed the procurement process for NeoGov's Document Control System.

Safety Services

Safety Services is responsible for the agency Safety, Security and Emergency Management program.

- Solicited Emergency Drill facilitators for a fiscal year 2024 program which includes two activities.
- Continued development of Convergint Technologies five-year improvement plan for the overall security technology posture for the agency. Initial improvements will begin in October.

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 August 2023.

- Received board approval of 2023 Pay and Class Study and provided to all staff; changes go into effect October 1, 2023.
- Worked on updating agency human resources policies and procedures to accompany Employee Handbook.

- Worked on annual employee review process for all agency employees.

Employee Relations

The Human Resources Department staff identify and resolve employee complaints in an expeditious and equitable manner to prevent complaint escalation and act as a liaison or intermediary between employees and managers and employees in general. In addition, the Human Resources Department encourages that agency policies are fair and are enforced consistently.

Employee Recruitment:

- Conducted the recruitment for the following staff positions:
  - Water Plant Operator
  - I & C Technician I
  - Water Resources System Engineer
  - Professional Surveyor & Mapper
  - Environmental Monitoring Manager
- Positions filled in August:
  - Digital Media Specialist
  - Records Technician I
  - Water Plant Operator Trainee – 2 positions

Employee Appreciation Team

The Employee Appreciation Team (EAT) assists in the development and implementation of programs and events that help ensure employees are committed to the Agency's mission and vision; ensure employees are recognized for their work and professional achievements; and provide opportunities for all employees to connect on a regular basis.

- Finalized Employee of the Quarter Policy for signature.
- Began planning for Trunk or Treat event tentatively scheduled for October 21st.

Benefits

The Human Resources Department is responsible for performing routine benefits administration activities and resolving benefit issues.

- Distributed “Wellness Wednesday” emails to educate employees on available resources for mental, financial, and physical health.
- Completed negotiations with our benefits consultant Gehring Group. The final increase in the monthly premiums for both the HMO & PPO plans is 6.5% (a significant decrease from the original amount of 12.8%).

Training and Development

- Continued to work on 2023 agency employee review and merit program.
- Outlined agency leadership/management development program.
- Began creating refresher training focused on key points of Interlocal Agreement and Master Water Supply Contract for agency leadership 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.

- Completed NOAA Grant application and submitted online for Surface Water Treatment Expansion Project.
- Completed Resilient Florida grants for Surface Water Treatment Expansion Project and Cypress Creek Wellfield Improvements Phase 3; handed off to Chief Financial Officer for final submittal in September.
- Attended legislative tour of Surface Water Treatment Plant attended by Senator Collins and Representative Cross; attended additional tour for legislative aides.
- Began coordination of legislative priorities for 2024 state legislative session with legislative counsel and grant funding and legislative consultant.
- Continued to review federal legislation of interest to Tampa Bay Water with federal consultant.

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, responded to resident inquiries regarding the project; spoke to Bloomingdale Neighborhood Association on Aug. 22, 2023, on the project and Long-term Master Water Plan; prepared a door hanger for field work to take place in the coming months.
- **Long-term Master Water Plan** – With Dialogue Public Relations, presented to Balm Civic Association Aug. 14, Bloomingdale Neighborhood Association Aug. 22, Dade City Sunrise Rotary Aug. 24; coordinated community presentations with the Greater Pasco County Chamber of

Commerce, Central Pinellas Chamber of Commerce, Greater Brandon Chamber of Commerce and Amplify Clearwater; prepared for Sept. 13 technical ad hoc committee meeting; promoting and coordinating upcoming telephone town hall with Zoom simulcast for Sept. 14.

- **South Hillsborough Wellfield Phase One –** On Aug. 14, 2023, presented on the project to the Balm Civic Association.

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.

- Supported ICS/EOC communications for Hurricane Idalia.
- Coordinated implementation of the PFAS communications plan with member governments, including news media outreach, PFAS Communications Working Group meetings, and reports to member utility directors.
- Continued developing a Newspaper in Education insert scheduled for October with the *Tampa Bay Times*.
- Opened the application cycle for the 2024 Source Water Protection Mini-grant program with promotional campaign.
- Created and executed social media content for Hurricane Idalia, Water Quality Month, Tampa Bay Water Wise rebates, reservoir siren test, careers and more.
- Informed and responded to news media requests regarding stories on the board meeting agenda, source water protection, Florida Friendly Landscaping Program and Long-term Master Water Plan virtual town hall meeting.
- Created videos to support and promote the South Hillsborough Well aquifer performance test and Tampa Bay Water's participation in EPA's UCMR 5 study.

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 August 2023.

- 2023 Long-term Master Water Plan Update (Project 09016): Presented the short-list of water supply projects to the Board and Utility Directors and developed Long-term Master Water Plan report sections.
- Surface Water Treatment Plant Expansion (Project 01014): Finalized alternative evaluations technical memorandums and held final review workshop.

Construction

Construction administers capital projects construction contracts to be following the design, permitting, regulatory requirements, property rights, budget, schedule, and all related agreements.

- South Pasco Water Treatment Plant Caustic System (Project 01615). Flowmeters were installed on the discharge side of the caustic and sodium hypochlorite feed pumps. Isolation valves were installed for the caustic strainer.
- Eldridge-Wilde Wellfield Improvements (Projects 50016/50040): The new pumps and motors for the first seven wells (Group 1) were installed.
- Cypress Bridge Wellfield Improvements (Project 50031): Well 1 was disinfected and placed back into service. Lake Bridge Chemical Piping Replacement (Project 50046): The new ammonia piping and pump skids were installed and put into service.

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.

- South-Central Hillsborough Program: Continued coordination meetings with Hillsborough County.
- Transmission Main Plan (Project 09018): Reviewed deliverables, consultant is on track to wrap up most sections this fall.
- Cathodic Protection Program: CP Repairs finishing up in early September.
- C.W. Bill Young Regional Reservoir-Compressors Replacement (Project 50074): Advertised Invitation to Bid and held pre-bid meeting.

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.

- Tampa Bay Desalination Facility Intake Connection Improvements-Phase 2 (Project 07033): Completed review of the 60 % drawings and specifications.
- Cypress Creek Wellfield Surface Water Improvements-Phase 3 (Project 09108): Environmental Resources Program Permit application submitted for board 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-Segments A and B (Projects 01610/01616): Responded to property inquiries researched parcel information, began negotiations, prepared documents and held several meetings on specific parcels. Coordinating follow up meeting for further discussion of Right-of-Way agreement with County staff.
- Columbus Parcel Exchange: Received copy of Preliminary Plat reviewing and providing comments to County by end of August.
- Desal Intake Tunnels Phase II (Project 07033): Prepared easement agreement for Phase II, submitted to Tampa Electric for review and approval. Prepared Tampa Bay Water Board item and submitted it for August Board approval.
- South Hillsborough Wellfield: Phase 1 (Project 07540): Prepared and provided updated sketches to County staff for proposed South Hillsborough Wellfield layout to aid in County review of needed easements.

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.

- Columbus Parcel Exchange: Reviewing Preliminary Plat and providing comments to Hillsborough County.
- Agency's computer-aided design (CAD) standards: Creating the new CAD standards guidelines document.
- Agency's Utility Conflicts Program: Creating new processes meeting Sunshine 811 documentation, guidelines, and software, Florida laws, and coordination with internal and external stakeholders.
- Cosme Collection Main Review: Reviewed and located a portion of the Cosme Collection Main between production wells 8 and 10 to prepare for future right of way impacts and pipeline improvements.

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 August 2023.

Finance

Finance manages the budget, payroll, account payables and receivables, capital assets, cash and investments, debt management and financial compliance for the Agency. They also assist with the training and maintenance of the accounting software, Munis.

- Started working on fiscal year 2023 Financial Statement Audit schedules.
- Worked with banks to increase rate of return on agency funds in money market accounts.

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. They also are responsible for the management and accountability of the agency's warehouse and inventory items.

- Staff attended the 2023 NIGP Forum and SPLC (Sustainable Procurement Leadership Council)
- Reviewed and Submitted Performance Evaluations
- Staff met with Legislative Affairs Manager to receive an overview of the Grant Process
- Held a Selection Committee Meeting for the General Counsel Services RFP

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.

- Filled vacant Records Technician I position.
- Received and reviewed insurance renewal coverage and premiums for FY2024.
- Drafted procedures for preparation of agenda items and publishing agenda packet to website.

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 August 2023.

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.

- Completed annual production run of the Long Term Demand Forecast System data loading.
- Completed Datum Conversion Project development tasks, testing and deployment planning in progress.
- Completed project tasks to support new integrations with SWFWMD for our Water Use Permit reporting.
- Continued development of enhancements to the Integrated Hydrological Model.
- Completed storm preparations and monitoring for Hurricane Idalia.

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.

- Redundant Internet Connection Project - Continued completion of tasks supporting increased resiliency of internet connectivity for the agency, improving the availability of cloud-based services.
- Phone System Replacement – Completed the deployment of the new phone system to agency employees.
- Domain Consolidation – Tested decommissioning of the legacy domain. Identified additional dependencies and worked to remediate. Additional testing scheduled for Sept and if successful, retire legacy domain.
- Completed storm preparations and monitoring for Hurricane Idalia.

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.
- Continued completion of project tasks for two capital improvement projects currently in progress for the SCADA system.
  - Long lead time hardware was received.
  - Completed installation of new network and firewall hardware in the test environment.

    - Completed installation and began testing of new hardware to support piloted monitoring equipment.
- Continued testing and issue resolution on the new version of our SCADA software in the test environment.
- Completed storm preparations and monitoring for Hurricane Idalia.

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. The following are major department activities for August 2023:

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; and, leads the Agency's effort in climate variability and climate change assessment and adaptation.

- Developing the water source allocation forecast for FY 2024 in coordination with the Water Production Division.
- Began processing rebates for some of the large, multi-family retrofit projects that have been in progress through the Tampa Bay Water Wise program. Consultant and agency staff are developing the 2024 Marketing Plan and beginning the year-end program review.
- Staff began the annual demand forecast update; member billing data collection, data QA/QC, purchase of necessary econometric data and initial Exploratory Data Analysis are complete.

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. 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.

- Met with landowners in south Hillsborough County to determine if water is available for acquisition as their farms transition to residential land use in this area.

  Provided water level and water quality data collected during an aquifer performance test at the new production well in south Hillsborough County to Engineering staff to support design for the well infrastructure.

  Provided data analysis to the District and received approval to temporarily modify one of the

OROP control points at the Cross Bar Wellfield under a test program.
Completed inspection of the stormwater system components at the Regional Reservoir to maintain compliance with facility permits.

Water Quality Services

Water Quality Services is responsible for laboratory testing, water quality compliance reporting, environmental/hydrologic/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.
- Installed and calibrated new refrigerator to separately store PFAS extracts for analysis.
- Completed the first quarter UCMR5/PFAS analyses. Data undergoing QA/QC review.
- Completed startup of a new Total Organic Carbon analyzer with satisfactory QA/QC results.
- Performed sampling for a Water Research Foundation project evaluating technologies and approaches to minimize emerging disinfection byproducts (DBPs) with Southern Nevada Water Authority and Clemson University.

Environmental/Hydrologic Monitoring

- Completed monthly hydrologic monitoring of groundwater/surface water elevations.
- Performed trail maintenance for full access to all monitoring sites.
- Interviewed candidates to replace the Environmental Monitoring Manager who retires in November 2023.

Source Water Assessment and Protection

- Completed additional Tampa Bypass Canal source water quality and algae sampling.
- Completed Alafia River Source Water Protection Plan and Watershed Annual Status Report.
- Completed additional Alafia River watershed water quality model development tasks.
- Installed new piling and HBMP monitoring equipment at the Desalination Facility discharge canal site.

Water Quality Treatment Support

- Facilitated the Water Quality Working Group meeting with members on August 10, 2023.
- Completed first quarterly UCMR5/PFAS resampling with the City of New Port Richey in response to their contract laboratory's direction.
- Held coordination meeting with Mosaic to discuss Alafia River water quality on August 21, 2023.
- Began review of first quarter UCMR5/PFAS preliminary analytical data for tabular presentation.

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 August 2023.

- Provided drinking water to meet member government demands in compliance with Exhibit D and Safe Drinking Water Act water quality standards.
- Maintenance Planning and Reliability is creating an Asset Management Plan (AMP) for Lithia Ozone WTP.
- Activated the Emergency Operations Center to manage through Hurricane Idalia.
- Finalized a contract term extension and partnership change to the Desal agreement.

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 planned for September.
- Ordered all Board-approved FY2024 fleet vehicles, due to continued long lead time issues. One previously ordered heavy vehicle is still awaiting after-market parts and crane installation before being placed into service. Three ¾ ton pickups are built and are awaiting service body installation at this time.
- The Office Master Plan is continuing. The consultant will provide recommendations on the best use of existing spaces and vet a tool to be used to track and organize office 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 is arriving and B&I staff have installed and started up one new unit at the RePump station. High Service Pump Station unit number 1 was replaced in August. CCPS units will be replaced in September.
- 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 the columns on the front of the building have been completed. The repairs to the columns in the rear of the building are underway, with the structural portion of the repairs complete.
- Recommended award of a contract with BAL Engineering for HVAC design services for the agency.

- Prepared for, and worked through, Hurricane Idalia with minimal impact to agency Buildings.

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:

- Condition Assessments for the R&R Model – Continued to perform condition assessments at Cypress Creek.
- Asset Labeling – Continued to remove old stickers from Cypress Creek. Assets that no longer meet the definition of assets have been inactivated in Maximo. New asset tags are being prepared.
- Created one new PM and revised one PM; revised two existing job plans and created one new job plan. Spent a lot of time in the field with north maintenance documenting the pipe cleanout in preparation for job plan creation.
- Asset Management Plan (AMP) for Lithia Ozone WTP – ARV, BMT, chemical addition, O2 & O3 alarm sensor checks, PSU, and Destruct catalyst job plans in process of being written and reviewed. Once reviewed they will be entered in MAXIMO.

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:

- The Surface Water Treatment Plant production was 90 mgd during the month of August but was reduced to 60 mgd for two days due to Hurricane Idalia. The Desal Plant was offline to accommodate TECO repair, maintenance and installation activities.
- Reservoir filling water intermittent to the reservoir due to hydrological and weather conditions in August. Availability in the Tampa Bypass Canal has been just enough to provide feedwater to the Surface Water Treatment Plant plus a limited amount to the reservoir, in addition to water from the Alafia River. Alafia River water was partially limited due to water quality (primarily Fluoride). Rapid filling began after Hurricane Idalia but had to be curtailed due to SWFWMD flood control use of the canal. Once water quality stabilizes in the canal, rapid filling will resume and only 10-12 days of pumping are needed to top off the reservoir.
- The level in the regional reservoir at the end of the month was 127.77 feet, corresponding to 12.63 billion gallons of storage. Overall, the volume in the reservoir increased just over 1.2 billion gallons during the month of August (42 million gallons per day average).
- Finalized the five-year contract term extension and partnership change amendment for the Desal plant.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.2

DATE: September 1, 2023

TO: Board of Directors

FROM: Barrie Buenaventura, General Counsel

SUBJECT: Legal Services Activity Report for August 2023 - *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

N/A

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 August 2023, the major activities and work effort for legal services included:

Board of Directors

- Attended the August Regular Board meeting and advance briefings with Board members.
- Attend the August Executive Committee meeting.

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 of property acquisition matters for South Hillsborough Pipeline.
- 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.
- Met with pipeline design teams to review and discuss draft Basis of Design Reports for Segment A and B of the South Hillsborough Pipeline.

Contracts and Procurement

- Reviewed contracts and contract amendments for commodities, construction, grants and professional services.
- Working with staff and contractors to implement contract amendment for the Seawater Desalination Plant.

Administrative

- Submitted renewal application for the agency's state trademark registration.

Coordination with Agency Management

- Participated in weekly meetings with the General Manager and Executive Team.
- Reviewing proposals received for the General Counsel services solicitation.

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. A potential settlement with 3M for claims by public water suppliers is under review by the court.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.3

DATE: September 1, 2023

TO: Board of Directors

FROM: Barrie Buenaventura, General Counsel

SUBJECT: Legal Services Budget Report for August 2023 - *Receive Report*

SUMMARY

This item presents the status of the budget for the General Counsel and legal services for August 2023.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

Uniform Rate/Bond Funds

DISCUSSION

As of August 31, 2023, with invoices received through 11 months of Fiscal Year 2023, expenditures approved for payment from the uniform rate legal budget totaled $297,899.68. These expenditures were associated with general operations activities and appropriately paid for from the uniform rate. Expenditures approved for payment from bond funds totaled $4,708.00. These expenditures were associated with property acquisition activities for the South Hillsborough Pipeline. Attached are spreadsheets showing payments made to each law firm in August 2023.

Attachments (1)

GC Budget Chart - 2023-8-31 FY23

STATUS OF LEGAL BUDGET – FY 2023
AS OF AUGUST 31, 2023

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	$20,000 PO# 23-107	$0	$0	$20,000.00
Conn & Buenaventura, P.A.	General Counsel Services (under contract 2021-049 in effect 5/1/2021-12/31/2023)	$231,750 PO# 23-155	$18,169.20	$182,601.53	$49,148.47
Conn & Buenaventura, P.A.	Special Assignments Outside Scope of General Counsel Contract	$20,000 PO# 23-152	$0	$0	$20,000.00
Dean Mead, P.A.	Legislative, Administrative Law, Environmental Law	$120,000 PO# 23-161	$6,666.67	$74,120.40	$45,879.60
Gray Robinson, P.A.	Admin, Construction, Contracts, Civil Claims, Employment, Property, etc.	$150,000 PO# 23-103	$1,851.53	$33,120.11	$116,879.89
Nabors, Giblin & Nickerson, P.A.	Admin, Construction, Contracts, Civil Claims, Property, etc.	$20,000 PO# 23-102	$2,880.51	$5,977.14	$14,022.86
Stearns Weaver	Admin, Construction, Contracts, Civil Claims, Property, etc.	$20,000 PO# 23-118	$0	$2,080.50	$17,919.50
UNIFORM RATE TOTALS		**$581,750.00**	**$29,567.91**	**$297,899.68**	**$283.850.32**
BOND FUNDS					
Gray Robinson, P.A.	Property Acquisition and Eminent Domain	$350,000 PO #23-399	$4,708.00	$21,208.00	$328,792.00

Uniform Rate Funds: Total Budget $655,000 Allocated Funds $581,750 Unallocated Funds $73,250
Bond Funds: Total Budget $350,000 Allocated Funds $350,000 Unallocated Funds $0

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.4

DATE: August 30, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Disposition of Fixed Assets through July 2023 - *Receive Report*

SUMMARY

There were no fixed assets or minor equipment removed from service in July 2023 for disposal.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

N/A

DISCUSSION

There were no fixed assets or minor equipment removed from service in July 2023 for disposal.

AGENDA ITEM F.5

DATE: August 30, 2023

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 July 2023 - *Receive Report*

SUMMARY

Attached is a list of all checks and wire transfers written for the month of July 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 July 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)

JULY CHECK REGISTERS

TAMPA BAY WATER

CHECK REGISTER - JUL 2023

CHECK#	CHECK DATE	VENDOR NAME	CHECK AMOUNT	DESCRIPTION	APPROVE/RECEIVE
629705	07/06/2023	AIRGAS USA, LLC	20,339.55		
629706	07/06/2023	ALLIED UNIVERSAL CORPORATION	152,984.38	CHEMICAL - SODIUM HYDROXIDE	RECEIVE
629707	07/06/2023	ALLIED UNIVERSAL CORPORATION	30,488.96		
629708	07/06/2023	AUTOMATIONDIRECT.COM, INC.	834.00		
629709	07/06/2023	SUSAN BADGETT	379.50		
629710	07/06/2023	BAL ENGINEERING, INC.	5,560.00		
629711	07/06/2023	BIG SEA, INC.	0.00		
629712	**07/06/2023**	**BRIGHT HOUSE NETWORKS LLC**	**4,429.21**	**UTILITIES - INTERNET**	**DELEGATED APPROVAL**
629713	07/06/2023	CALADESI CONSTRUCTION CO.	23,310.83		
629714	07/06/2023	CARMEUSE LIME & STONE, INC.	34,328.50		
629715	07/06/2023	CDW LLC	48,593.00		
629716	07/06/2023	CHA CONSULTING INC	23,170.59		
629717	07/06/2023	MEGHAN CHRISTOPHER	93.16		
629718	07/06/2023	CLASSIC CONTROLS INC	2,010.93		
629719	07/06/2023	DATABANK HOLDINGS LTD	2,854.00		
629720	07/06/2023	DESIGNER AT LARGE	19,114.00		
629721	**07/06/2023**	**DUKE ENERGY CORPORATION**	**78,702.85**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629722	07/06/2023	GINGER MILLS	1,224.63		
629723	07/06/2023	ELECTRICAL ENGINEERING ENTERPRISES INC	40,650.00		
629724	07/06/2023	ENTERPRISE FM TRUST	11,602.70		
629725	07/06/2023	ENVIRONMENTAL SCIENCE ASSOCIATES CORPORATION	7,546.70		
629726	07/06/2023	FEDERAL EXPRESS CORPORATION	7.80		
629727	07/06/2023	FL DEPT OF ENVIRONMENTAL PROTECTION	5,000.00		
629728	**07/06/2023**	**FRONTIER COMMUNICATIONS**	**238.77**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629729	**07/06/2023**	**FRONTIER COMMUNICATIONS**	**680.00**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629730	**07/06/2023**	**FRONTIER COMMUNICATIONS**	**259.55**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629731	07/06/2023	GRAYBAR ELECTRIC COMPANY INC	2,717.59		
629732	07/06/2023	HACH COMPANY	67,883.12	HACH ANALYZER SUPPLIES & PARTS	RECEIVE
629733	07/06/2023	HAYS HOLDING CORPORATION	2,774.00		
629734	07/06/2023	HAZEN & SAWYER, P.C.	62,089.70	CCWTP CHEMICAL PIPING PRJ	RECEIVE
629735	07/06/2023	HAZEN & SAWYER, P.C.	46,234.80		
629736	07/06/2023	JACOBS ENGINEERING GROUP INC	49,700.00		
629737	07/06/2023	JAMES W. JACOBS	68.12		
629738	07/06/2023	STEVEN KROESEN	379.50		
629739	07/06/2023	MATHESON TRI-GAS INC.	14,763.67		
629740	07/06/2023	MCKIM & CREED PA	22,454.41		
629741	07/06/2023	TANJA MILIC	511.81		
629742	07/06/2023	PARALEGAL ASSOC OF FLORIDA INC	25.00		
629743	07/06/2023	PARALEGAL ASSOC OF FLORIDA INC	20.00		
629744	07/06/2023	PCL CONSTRUCTION, INC.	7,200.00		

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629745	07/06/2023	QUEST ECOLOGY INC	1,795.00		
629746	07/06/2023	REPUBLIC SERVICES OF FLORIDA	422.15		
629747	07/06/2023	RICOH USA, INC.	1,208.59		
629748	07/06/2023	KIM ROBINSON	372.04		
629749	07/06/2023	RS AMERICAS, INC	1,077.00		
629750	07/06/2023	SHI INTERNATIONAL CORP	9,385.71		
629751	07/06/2023	SMITH INDUSTRIES INC	31,881.00		
629752	07/06/2023	SANDRA L SMITH	639.92		
629753	07/06/2023	STANDARD EQUIPMENT & CONTROLS, INC.	1,374.18		
629754	07/06/2023	STANTEC CONSULTING SERVICES, INC.	356,672.28	SHC SUPPLY EXPANSION PIPELINE B PRJ	RECEIVE
629755	07/06/2023	SULPHURIC ACID TRADING CO. INC	28,803.30		
629756	**07/06/2023**	**TAMPA ELECTRIC CO**	**149,025.27**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629757	**07/06/2023**	**TAMPA ELECTRIC CO**	**1,330.08**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629758	**07/06/2023**	**TAMPA ELECTRIC CO**	**4,420.39**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629759	07/06/2023	THATCHER CHEMICAL OF FLORIDA INC.	109,373.85	CHEMICAL - FERRIC SULFATE	RECEIVE
629760	07/06/2023	THATCHER CHEMICAL OF FLORIDA INC.	91,553.91	CHEMICAL - FERRIC SULFATE	RECEIVE
629761	07/06/2023	UNIFIRST CORPORATION	58.57		
629762	07/06/2023	VEOLIA WATER NORTH AMERICA	672,034.38	SWTP O&M- MAY	RECEIVE
629763	07/06/2023	W W GRAINGER INC	1,143.42		
629764	**07/06/2023**	**WITHLACOOCHEE RIVER ELECTRIC**	**96,615.80**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
WIRE	**07/06/2023**	**FLORIDA DIV OF RETIREMENT CASHIER**	**277,795.21**	**FEDERAL PAYROLL TAX DEPOSIT**	**DELEGATED APPROVAL**
629765	07/13/2023	ACLARIAN LLC	1,430.00		
629766	07/13/2023	AECOM TECHNICAL SERVICES, INC.	820.35		
629767	07/13/2023	AIR CENTERS OF FLORIDA, INC.	16,812.86		
629768	07/13/2023	AIR MECHANICAL & SERVICE CORP.	5,495.63		
629769	07/13/2023	AIRGAS USA, LLC	37,914.33		
629770	07/13/2023	AIRGAS SOUTH, INC.	374.29		
629771	07/13/2023	AIRGAS SPECIALTY PRODUCTS, INC.	28,920.38		
629772	07/13/2023	AIRGAS SPECIALTY PRODUCTS, INC.	194.04		
629773	07/13/2023	ALLIED UNIVERSAL CORPORATION	117,465.63	CHEMICAL - SODIUM HYDROXIDE	RECEIVE
629774	07/13/2023	ALLIED UNIVERSAL CORPORATION	28,103.83		
629775	07/13/2023	J.C. EHRLICH CO.	212.39		
629776	07/13/2023	AMERICAN EXPRESS TRAVEL RELATED SERVICES CO INC	100.00		
629777	07/13/2023	AMERICAN FACILITY SERVICES, INC.	2,399.94		
629778	07/13/2023	AMERICAN WATER ACCIONA AGUA LLC	14,827.75		
629779	07/13/2023	APPLIED ECOLOGY, INC	22,459.86		
629780	07/13/2023	ATKINS NORTH AMERICA, INC.	12,225.80		
629781	07/13/2023	BLACK & VEATCH CORPORATION	9,698.76		
629782	07/13/2023	BLACK & VEATCH CORPORATION	126,008.00	INTEGRATED PROG MGMT WORK ASSIGNMENT 11 PROJ	RECEIVE
629783	07/13/2023	CARDNO, INC	3,385.00		

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629784	07/13/2023	CARMEUSE LIME & STONE, INC.	77,856.97	CHEMICAL - QUICKLIME	RECEIVE
629785	07/13/2023	CDM SMITH INC	11,615.99		
629786	**07/13/2023**	**CITY OF CLEARWATER UTILITIES**	**2,582.36**	**UTILITY PAYMENT**	**DELEGATED APPROVAL**
629787	07/13/2023	CONN & BUENAVENTURA, P.A.	18,048.48		
629788	07/13/2023	CORE & MAIN LP	1,003.84		
629789	07/13/2023	CROSS PEST CONTROL OF TAMPA INC	390.00		
629790	**07/13/2023**	**DUKE ENERGY CORPORATION**	**36,852.92**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629791	07/13/2023	WANDA DUNNIGAN	1,015.61		
629792	07/13/2023	EARTH RESOURCES, INC.	50,661.63	STARKEY WF MONITORING	RECEIVE
629793	07/13/2023	ECHOSAT, INC.	45.00		
629794	07/13/2023	ELECTRIC GAS INDUSTRIES ASSOCIATION	38,251.51		
629795	07/13/2023	ENVIRONMENTAL SCIENCE ASSOCIATES CORPORATION	1,157.50		
629796	07/13/2023	ENVIROSCIENCE	7,126.31		
629797	07/13/2023	FEDERAL EXPRESS CORPORATION	15.60		
629798	07/13/2023	FISHER SCIENTIFIC COMPANY LLC	5,083.22		
629799	**07/13/2023**	**FRONTIER COMMUNICATIONS**	**250.96**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629800	**07/13/2023**	**FRONTIER COMMUNICATIONS**	**371.06**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629801	07/13/2023	GREENMAN-PEDERSEN, INC.	34,492.02		
629802	07/13/2023	HACH COMPANY	7,777.06		
629803	07/13/2023	HAWKINS, INC.	8,439.00		
629804	07/13/2023	HAYS HOLDING CORPORATION	15,433.38		
629805	07/13/2023	HAZEN & SAWYER, P.C.	900.00		
629806	07/13/2023	HAZEN & SAWYER, P.C.	0.00		
629807	**07/13/2023**	**HILLSBOROUGH COUNTY**	**109.80**	**UTILITY PAYMENT**	**DELEGATED APPROVAL**
629808	07/13/2023	TENCARVA MACHINERY COMPANY	12,270.00		
629809	07/13/2023	INTERA, INC.	40,225.00		
629810	07/13/2023	MATHESON TRI-GAS INC.	19,752.23		
629811	07/13/2023	MILLER BUILDING & REPAIR SERVICES, INC.	1,495.00		
629812	07/13/2023	NATIONAL EC SERVICES, INC.	38,356.29		
629813	07/13/2023	ODYSSEY MANUFACTURING COMPANY	63,664.20	CHEMICAL - SODIUM HYPOCHLORITE	RECEIVE
629814	07/13/2023	ODYSSEY MANUFACTURING COMPANY	43,361.10		
629815	07/13/2023	ODYSSEY MANUFACTURING COMPANY	1,046.70		
629816	07/13/2023	BRIAN G ORMISTON	4,075.04		
629817	07/13/2023	PCL CONSTRUCTION, INC.	102,667.17	BRANDON BOOSTER STATION GMP 3 CONSTUCT PROJ	RECEIVE
629818	07/13/2023	PCL CONSTRUCTION, INC.	4,227.33		
629819	07/13/2023	PCL CONSTRUCTION, INC.	750,562.33	BRANDON BOOSTER STATION GMP 6 CONSTUCT PROJ	RECEIVE
629820	07/13/2023	PINELLAS COUNTY BOARD OF COUNTY COMMISSIONERS	14,027.56		
629821	07/13/2023	PIPER FIRE PROTECTION, INC.	3,506.41		
629822	07/13/2023	PRITCHETT STEINBECK GROUP, INC.	51,181.66	CROSS BAR RAND AND CYP CREEK WF MONITORING	RECEIVE
629823	07/13/2023	PUBLIC FINANCIAL MGMT., INC. (PFM)	2,500.00		

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629824	07/13/2023	QUEST ECOLOGY INC	5,175.00		
629825	07/13/2023	RDSG LLC	300.00		
629826	07/13/2023	REGIONS BANK	2,065.00		
629827	07/13/2023	REXEL USA, INC.	156.04		
629828	07/13/2023	RING POWER CORPORATION	7,775.70		
629829	07/13/2023	RING POWER CORPORATION	1,508.70		
629830	07/13/2023	RYAN HERCO PRODUCTS CORPORATION	597.24		
629831	07/13/2023	RYMAN CONSTRUCTION INC.	7,209.64		
629832	07/13/2023	SMITH INDUSTRIES INC	8,380.00		
629833	07/13/2023	SOUTHERN INSTRUMENTS, INC.	7,302.00		
629834	**07/13/2023**	**STATE OF FLORIDA DISBURSEMENT UNIT**	**82.82**	**CHILD SUPPORT**	**DELEGATED APPROVAL**
629835	**07/13/2023**	**STATE OF FLORIDA DISBURSEMENT UNIT**	**152.77**	**CHILD SUPPORT**	**DELEGATED APPROVAL**
629836	**07/13/2023**	**STATE OF FLORIDA DISBURSEMENT UNIT**	**466.79**	**CHILD SUPPORT**	**DELEGATED APPROVAL**
629837	07/13/2023	SULPHURIC ACID TRADING CO. INC	65,642.14	CHEMICAL - SULFURIC ACID	RECEIVE
629838	07/13/2023	SUNSHINE STATE ONE CALL OF FLORIDA INC	1,077.50		
629839	07/13/2023	SANDRO SVRDLIN	2,055.72		
629840	07/13/2023	TAMPA ARMATURE WORKS INC	11,249.58		
629841	**07/13/2023**	**CITY OF TAMPA OFFICES**	**15.62**	**UTILITY PAYMENT**	**DELEGATED APPROVAL**
629842	**07/13/2023**	**TAMPA ELECTRIC CO**	**589,543.88**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629843	**07/13/2023**	**TAMPA ELECTRIC CO**	**25,008.47**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629844	07/13/2023	THATCHER CHEMICAL OF FLORIDA INC.	110,001.00	CHEMICAL - FERRIC SULFATE	RECEIVE
629845	07/13/2023	THATCHER CHEMICAL OF FLORIDA INC.	97,920.87	CHEMICAL - FERRIC SULFATE	RECEIVE
629846	07/13/2023	TIMES PUBLISHING CO	871.00		
629847	07/13/2023	UNIVERSITY OF SOUTH FLORIDA	67,814.00	IHM MODFLOW INTEGRATION	RECEIVE
629848	07/13/2023	UNIVERSITY OF SOUTH FLORIDA	34,903.00		
629849	**07/13/2023**	**VERIZON WIRELESS COMMUNICATIONS LLC**	**6,165.13**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629850	**07/13/2023**	**VERIZON WIRELESS COMMUNICATIONS LLC**	**12,040.49**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629851	**07/13/2023**	**VERIZON WIRELESS COMMUNICATIONS LLC**	**3,042.04**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629852	**07/13/2023**	**VERIZON WIRELESS COMMUNICATIONS LLC**	**2,926.25**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629853	**07/13/2023**	**VERIZON WIRELESS COMMUNICATIONS LLC**	**10,283.55**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629854	07/13/2023	WASTE MANAGEMENT INC. OF FLORIDA	2,919.46		
629855	07/13/2023	WATER TREATMENT & CONTROLS CO	14,417.63		
629856	07/13/2023	WISE CONSULTING GROUP	18,299.00		
629857	07/13/2023	WORKSCAPES, INC.	3,046.67		
WIRE	**07/14/2023**	**INTERNAL REVENUE SERVICE**	**132,271.25**	**FEDERAL PAYROLL TAX DEPOSIT**	**RECEIVE**
629858	07/19/2023	A J LANDSCAPING LLC	7,518.11		
629859	07/19/2023	AMERICAN FAMILY LIFE ASSURANCE COMPANY OF COLUMBUS	1,329.94		
629860	07/19/2023	AIR MECHANICAL & SERVICE CORP.	4,059.82		
629861	07/19/2023	AIRGAS USA, LLC	6,711.35		
629862	07/19/2023	AIRGAS SPECIALTY PRODUCTS, INC.	12,317.56		

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629863	07/19/2023	UNIVERSAL PROTECTION SERVICE LP	392.00		
629864	07/19/2023	ALLIED UNIVERSAL CORPORATION	80,182.21	CHEMICAL - SODIUM HYDROXIDE	RECEIVE
629865	07/19/2023	ARCHER WESTERN CONSTRUCTION LLC	531,365.40	CYP BRG WF IMPROVEMENTS PROJ	RECEIVE
629866	07/19/2023	AUTOMATIONDIRECT.COM, INC.	2,049.00		
629867	07/19/2023	BLACK & VEATCH CORPORATION	106,078.50	INTEGRATED PROG MGMT WORK ASSIGNMENT #11 PROJ	RECEIVE
629868	07/19/2023	BLACK & VEATCH CORPORATION	22,128.50		
629869	07/19/2023	BLACK & VEATCH CORPORATION	6,302.50		
629870	07/19/2023	BLACK & VEATCH CORPORATION	10,317.25		
629871	07/19/2023	BLACK & VEATCH CORPORATION	2,277.50		
629872	07/19/2023	CARMEUSE LIME & STONE, INC.	51,195.26	CHEMICAL - QUICKLIME	RECEIVE
629873	07/19/2023	CDW LLC	7,025.82		
629874	07/19/2023	CHANDLER ASSET MANAGEMENT, INC.	5,757.01		
629875	07/19/2023	CINTAS CORPORATION	302.53		
629876	07/19/2023	CROSS PEST CONTROL OF TAMPA INC	80.00		
629877	07/19/2023	DATABANK HOLDINGS LTD	5,708.00		
629878	07/19/2023	ELECTRICAL ENGINEERING ENTERPRISES INC	2,220.00		
629879	07/19/2023	ENVIRONMENTAL SCIENCE ASSOCIATES CORPORATION	34,142.25		
629880	07/19/2023	EVERBRIDGE, INC.	11,926.73		
629881	07/19/2023	EYEMED VISION CARE	1,250.60		
629882	07/19/2023	FISHER SCIENTIFIC COMPANY LLC	1,278.66		
629883	**07/19/2023**	**FRONTIER COMMUNICATIONS**	**150.28**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629884	07/19/2023	JOHN H GRANGER MAINTENANCE & CONSTRUCTION, INC.	8,253.38		
629885	07/19/2023	GSI ENVIRONMENTAL, INC.	17,226.49		
629886	07/19/2023	HACH COMPANY	9,969.87		
629887	07/19/2023	HAWKINS, INC.	5,855.75		
629888	07/19/2023	HAZEN & SAWYER, P.C.	12,918.72		
629889	07/19/2023	HILLSBOROUGH COUNTY	94,418.26	HILLSB FL FRIENDLY LANDSCAPING	RECEIVE
629890	**07/19/2023**	**HILLSBOROUGH COUNTY**	**63.87**	**UTILITY PAYMENT**	**DELEGATED APPROVAL**
629891	07/19/2023	ARROW EXTERMINATORS	46.00		
629892	07/19/2023	IDEXX LABORATORIES INC	220.29		
629893	07/19/2023	INFOARMOR, INC.	350.80		
629894	07/19/2023	MATHESON TRI-GAS INC.	10,661.25		
629895	07/19/2023	NORTH CAROLINA STATE UNIVERSITY	40,000.00		
629896	07/19/2023	OHLIN SALES INC.	139.77		
629897	07/19/2023	PALMA CEIA LOCK & KEY, INC.	1,428.00		
629898	07/19/2023	PIPER FIRE PROTECTION, INC.	1,232.50		
629899	07/19/2023	PRESIDIO NETWORKED SOLUTIONS INC.	10,835.68		
629900	07/19/2023	PUBLIC FINANCIAL MGMT., INC. (PFM)	26,332.30		
629901	07/19/2023	MARK E. RAYMOND	2,500.00		
629902	07/19/2023	RYMAN CONSTRUCTION INC.	10,071.78		

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629903	07/19/2023	S & C JANITORIAL, INC	3,666.24		
629904	07/19/2023	SHI INTERNATIONAL CORP	175,739.82	CIP PROJ FIREWALLS FOR SCADA	RECEIVE
629905	07/19/2023	STANTEC CONSULTING SERVICES, INC.	16,007.50		
629906	**07/19/2023**	**TAMPA ELECTRIC CO**	**787.18**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629907	07/19/2023	SYLINT GROUP INC	7,296.00		
629908	07/19/2023	TRILLIUM PUMP USA, INC.	66,121.39	ELDRIDGE WILDE WF PUMPS CONSTRUCTION PROJ	RECEIVE
629909	07/19/2023	UNIFIRST CORPORATION	329.28		
629910	07/19/2023	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	0.00		
629911	07/19/2023	UNIVERSITY OF SOUTH FLORIDA	14,999.00		
629912	**07/19/2023**	**VERIZON FLORIDA INC**	**26,759.06**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629913	**07/19/2023**	**VERIZON WIRELESS COMMUNICATIONS LLC**	**6.00**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629914	**07/19/2023**	**WITHLACOOCHEE RIVER ELECTRIC**	**31,779.39**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629915	07/19/2023	WSP USA INC	1,505.00		
WIRE	**07/24/2023**	**BOOKY OREN GLOBAL WATER TECHNOLOGIES LTD.**	**7,464.00**		
629916	07/26/2023	A.C. SCHULTES OF FLORIDA, INC.	149,750.00	SOUTH HILLSB WF PHASE 1 PROJ	RECEIVE
629917	07/26/2023	ADVANCED ENVIRONMENTAL LABORATORIES, INC	1,578.20		
629918	07/26/2023	AIR MECHANICAL & SERVICE CORP.	1,876.70		
629919	07/26/2023	AIRGAS USA, LLC	27,617.58		
629920	07/26/2023	AIRGAS SPECIALTY PRODUCTS, INC.	7,564.98		
629921	07/26/2023	ALLIED UNIVERSAL CORPORATION	73,600.72	CHEMICAL - SODIUM HYDROXIDE	RECEIVE
629922	07/26/2023	FINGER LAKES BUSINESS SERVICES, INC.	201.48		
629923	**07/26/2023**	**AT&T MOBILITY II, LLC**	**72.48**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629924	07/26/2023	AUTOMATIONDIRECT.COM, INC.	420.00		
629925	07/26/2023	AVI INTEGRATORS INC	13,013.85		
629926	07/26/2023	BAYVIEW PUBLIC RELATIONS INC.	804.00		
629927	07/26/2023	SUSAN BADGETT	479.26		
629928	07/26/2023	BENTLEY SYSTEMS INC	1,390.00		
629929	07/26/2023	BLACK & VEATCH CORPORATION	21,475.00		
629930	**07/26/2023**	**BRIGHT HOUSE NETWORKS LLC**	**1,054.03**	**UTILITIES - INTERNET**	**DELEGATED APPROVAL**
629931	07/26/2023	CARMEUSE LIME & STONE, INC.	34,906.00		
629932	07/26/2023	CAROLLO ENGINEERS INC	4,355.50		
629933	07/26/2023	CATALYST COMMUNICATIONS GROUP LLC	14,256.25		
629934	07/26/2023	CDW LLC	531,735.00	IT SCADA PROJ AND MICROSOFT TEAMS PHONE SYSTEM	RECEIVE
629935	07/26/2023	CENTRAL INDUSTRIAL SUPPLY, INC.	24,800.00		
629936	07/26/2023	CORCORAN & ASSOCIATES, INC.	11,500.00		
629937	07/26/2023	DIALOGUE PUBLIC RELATIONS, LLC	17,891.25		
629938	07/26/2023	DIGITAL AERIAL SOLUTIONS, LLC	37,097.94		
629939	07/26/2023	ECOHYDROLOGIX LLC	28,106.80		
629940	07/26/2023	ELECTRIC GAS INDUSTRIES ASSOCIATION	42,407.73		
629941	07/26/2023	EMPLOYEE BENEFITS CORPORATION	147.00		

TAMPA BAY WATER

CHECK REGISTER - JUL 2023

CHECK#	CHECK DATE	VENDOR NAME	CHECK AMOUNT	DESCRIPTION	APPROVE/RECEIVE
629942	07/26/2023	EMPLOYEE BENEFITS CORPORATION	100.80		
629943	07/26/2023	ENTERPRISE FM TRUST	8,156.52		
629944	07/26/2023	FEDERAL EXPRESS CORPORATION	55.18		
629945	07/26/2023	FISHER SCIENTIFIC COMPANY LLC	323.89		
629946	07/26/2023	BLUE CROSS BLUE SHIELD OF FLORIDA	283,752.87	PPO, HMO, MILLER, VATTER & NOTHSTEIN MONTH PREM - AU(	RECEIVE
629947	07/26/2023	FLORIDA DEPT OF MANAGEMENT SERVICES	21,618.45		
629948	07/26/2023	FLORIDA DEPT OF STATE	27.58		
629949	**07/26/2023**	**FRONTIER COMMUNICATIONS**	**125.98**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629950	**07/26/2023**	**FRONTIER COMMUNICATIONS**	**140.98**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629951	**07/26/2023**	**FRONTIER COMMUNICATIONS**	**236.05**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629952	**07/26/2023**	**FRONTIER COMMUNICATIONS**	**680.00**	**UTILITY PAYMENT -COMMUMICATION**	**DELEGATED APPROVAL**
629953	07/26/2023	GEOGRAPHIC INFORMATION SERVICES, INC.	10,587.65		
629954	07/26/2023	JOHN H GRANGER MAINTENANCE & CONSTRUCTION, INC.	94,764.83	AS NEEDED CONTRACTOR SRV	RECEIVE
629955	07/26/2023	GRAY ROBINSON, P.A.	2,175.00		
629956	07/26/2023	GSI ENVIRONMENTAL, INC.	5,190.76		
629957	07/26/2023	HACH COMPANY	4,734.38		
629958	07/26/2023	HAWKINS, INC.	2,817.00		
629959	07/26/2023	HAYS HOLDING CORPORATION	16,439.99		
629960	07/26/2023	HERC RENTALS, INC.	1,720.00		
629961	**07/26/2023**	**HILLSBOROUGH COUNTY**	**16.65**	**UTILITY PAYMENT**	**DELEGATED APPROVAL**
629962	07/26/2023	ARROW EXTERMINATORS	77.00		
629963	07/26/2023	ARROW EXTERMINATORS	195.00		
629964	07/26/2023	INTERA, INC.	9,998.40		
629965	07/26/2023	MATHESON TRI-GAS INC.	7,276.50		
629966	07/26/2023	OFFICE DEPOT	372.23		
629967	07/26/2023	PASCO COUNTY OFFICES	24,869.28		
629968	07/26/2023	PCL CONSTRUCTION, INC.	28,050.57		
629969	07/26/2023	PCL CONSTRUCTION, INC.	221,998.42	BRANDON BOOSTER STA GMP 6 PROJ	RECEIVE
629970	07/26/2023	RANDALL ENVIRONMENTAL, INC.	87,460.42	ELDRIDGE WILDE WF PUMPS & MOTORS REPLACEMENT PROJ	RECEIVE
629971	07/26/2023	REPUBLIC SERVICES OF FLORIDA	415.80		
629972	07/26/2023	REXEL USA, INC.	2,470.02		
629973	07/26/2023	RICOH USA, INC.	2,890.80		
629974	07/26/2023	RING POWER CORPORATION	3,531.00		
629975	07/26/2023	RING POWER CORPORATION	2,247.00		
629976	07/26/2023	SHI INTERNATIONAL CORP	15,791.88		
629977	07/26/2023	SMITH INDUSTRIES INC	1,196.76		
629978	07/26/2023	SOUTHEAST DRILLING SERVICES INC	2,100.00		
629979	**07/26/2023**	**STATE OF FLORIDA DISBURSEMENT UNIT**	**82.82**	**CHILD SUPPORT**	**DELEGATED APPROVAL**
629980	**07/26/2023**	**STATE OF FLORIDA DISBURSEMENT UNIT**	**152.77**	**CHILD SUPPORT**	**DELEGATED APPROVAL**
629981	**07/26/2023**	**STATE OF FLORIDA DISBURSEMENT UNIT**	**466.79**	**CHILD SUPPORT**	**DELEGATED APPROVAL**

TAMPA BAY WATER

CHECK REGISTER - JUL 2023

CHECK#	CHECK DATE	VENDOR NAME	CHECK AMOUNT	DESCRIPTION	APPROVE/RECEIVE
629982	07/26/2023	STEARNS WEAVER MILLER WEISSLER ALHADEFF & SITTERSO	2,080.50		
629983	07/26/2023	SUNSHINE STATE ONE CALL OF FLORIDA INC	468.19		
629984	**07/26/2023**	**TAMPA ELECTRIC CO**	**50,738.50**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629985	**07/26/2023**	**TAMPA ELECTRIC CO**	**448.68**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629986	07/26/2023	MAINZER MANAGEMENT INC	1,275.00		
629987	07/26/2023	THATCHER CHEMICAL OF FLORIDA INC.	85,454.46	CHEMICAL - FERRIC SULFATE	RECEIVE
629988	07/26/2023	UNITED PARCEL SERVICE	17.82		
629989	07/26/2023	UNIVERSITY OF FLORIDA RESEARCH	6,000.00		
629990	07/26/2023	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	25,000.00		
629991	07/26/2023	VITAL RECORDS HOLDINGS, LLC	753.13		
629992	07/26/2023	W W GRAINGER INC	1,802.76		
629993	**07/26/2023**	**WITHLACOOCHEE RIVER ELECTRIC**	**1,748.39**	**ELECTRIC BILL - WELL FIELDS AND PUMPING STATIONS**	**DELEGATED APPROVAL**
629994	07/26/2023	WRIGHT EXPRESS CORPORATION	15,525.58		
WIRE	**07/28/2023**	**INTERNAL REVENUE SERVICE**	**132,260.50**	**FEDERAL PAYROLL TAX DEPOSIT**	**RECEIVE**
294 CHECKS			9,538,175.04		

Supplying Water To The Region

AGENDA ITEM F.6

DATE: August 28, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Management Statistic Report with Aged Accounts Receivable as of July 31, 2023 - *Receive Report*

SUMMARY

The Management Statistic Report with Aged Accounts Receivable for July 2023 is 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 July 31, 2023.

Attachment (1)

MgmtStats July 2023

Management Statistics with Aged Accounts Receivable
Based on Information Available Month Ending 7/31/2023

1. Aged Accounts Receivable as of July 31, 2023

Acct. Receivable Balance 07/31/23	Current	Past Due Over 30 Days
$17,122,207.78	$10,996,007.67	$6,126,200.11

2. O&M Labor as a percentage of Controllable O&M costs through July 31, 2023 = 60.30%

3. Inventory Turnover Fiscal Year to Date = 14.4%

Inventory at 10/1/2022	$ 981,915.66
Inventory at 07/31/2023	1,073,333.85
Average	1,027,624.76
Cost of Inventory Used	147,826.56
Inventory Turnover Year to Date	14.4%

4. Uniform Rate / 1,000 gallons FY 2023 = $ 2.5781

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.7

DATE: September 1, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Vendor's Status Reports for July 2023 - *Receive Report*

SUMMARY

The attached is a status report of As-Needed Professional Service Contractors and Vendors utilized by Tampa Bay Water through July 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 July 2023. This report shows total contract values, cumulative purchase orders issued against the contracts, and actual expenditures made under the contracts.

Attachment (1)

July 2023 - Rev1

Contract Summary

Monthly Status Report of Vendors

July 1, 2023 thru July 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		$400,000.00	$400,000.00	$219,963.27	$180,036.73
A.C. SCHULTES OF FLORIDA, INC. 08/19/19 thru 09/30/22 2019053	$800,000.00		$525,000.00	$525,000.00	$392,123.00	$132,877.00
A.C. SCHULTES OF FLORIDA, INC. 08/19/19 thru 09/30/22 2019055	$1,106,290.00		$1,056,040.00	$1,056,040.00	$945,259.00	$110,781.00
ACLARIAN LLC 10/20/22 thru 05/25/25 2023702	$80,000.00		$80,000.00	$80,000.00	$34,182.50	$45,817.50
ADVANCED ENVIRONMENTAL LABORATORIES, 03/21/22 thru 02/28/23 2022036	$100,000.00		$115,000.00	$115,000.00	$71,024.90	$43,975.10
ADVANCED ROOFING, INC. 02/15/21 thru 02/15/22 2021005	$1,499,271.00		$1,499,271.00	$1,499,271.00	$1,323,115.28	$176,155.72
AECOM TECHNICAL SERVICES, INC. 09/20/21 thru 09/01/26 2021038	$2,000,000.99		$427,797.00	$427,797.00	$14,766.30	$413,030.70
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	$600,000.00	67000	$350,000.00	$417,000.00	$294,517.21	$122,482.79
AIRGAS SPECIALTY PRODUCTS, INC. 01/01/23 thru 09/30/23 2023016V	$846,520.00		$361,623.00	$361,623.00	$413,436.08	($51,813.08)
AIRGAS USA, LLC 12/13/21 thru 09/30/22 2022012	$7,810,416.00		$2,293,466.00	$2,293,466.00	$2,223,772.72	$69,693.28
AJAX PAVING INDUSTRIES OF FLORIDA LLC 10/18/21 thru 09/02/23 2022701	$440,000.00		$140,000.00	$140,000.00	$0.00	$140,000.00
ALAN PLUMMER AND ASSOCIATES, INC. 05/09/22 thru 09/01/26 2021036V	$2,001,205.65	11734.35	$176,436.00	$188,170.35	$70,238.00	$117,932.35
ALLIED UNIVERSAL CORPORATION 01/01/20 thru 09/30/20 2020024	$30,890,669.84		$13,418,329.00	$13,418,329.00	$9,850,084.46	$3,568,244.54
ALLIED UNIVERSAL CORPORATION	$5,848,466.40		$0.00	$0.00	$0.00	$0.00

Contract Summary

Monthly Status Report of Vendors

July 1, 2023 thru July 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
10/01/23 thru 09/30/24 2024006						
AMERICAN ACQUISITION GROUP, LLC 06/05/17 thru 12/30/22 2017703	$200,000.00		$127,467.30	$127,467.30	$70,610.27	$56,857.03
AMERICAN FACILITY SERVICES, INC. 01/15/19 thru 06/30/20 2019032	$134,192.19		$131,499.21	$131,499.21	$126,992.03	$4,507.18
AMERICAN WATER ACCIONA AGUA LLC 11/15/04 thru 2005062	$37,381,932.15		$29,783,041.89	$29,783,041.89	$28,249,878.48	$1,533,163.41
AMICI ENGINEERING CONTRACTORS, LLC 08/16/21 thru 09/30/25 2021046	$2,000,000.00		$450,000.00	$450,000.00	$504,025.49	($54,025.49)
APPLIED ECOLOGY, INC 02/18/19 thru 02/18/22 2019022V	$300,000.00		$303,559.92	$303,559.92	$290,179.69	$13,380.23
APPLIED ECOLOGY, INC 03/15/22 thru 03/31/25 2022035	$500,000.00	48329.68	$21,108.60	$69,438.28	$1,423.50	$68,014.78
APPLIED ECOLOGY, INC 10/01/22 thru 09/30/26 2022054	$364,150.83		$81,845.48	$81,845.48	$32,751.60	$49,093.88
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		$1,135,355.21	$1,135,355.21	$1,041,925.89	$93,429.32
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	$2,329,221.40	$3,548,878.60
ARCHER WESTERN CONSTRUCTION LLC 11/14/22 thru 11/14/24 2023001	$22,450,100.00		$22,450,100.00	$22,450,100.00	$893,095.00	$21,557,005.00
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	$49,640.10	$291,864.90

Contract Summary

Monthly Status Report of Vendors

July 1, 2023 thru July 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
ATKINS NORTH AMERICA, INC. 08/20/18 thru 08/20/23 2018048	$373,761.00		$236,046.00	$236,046.00	$183,488.66	$52,557.34
AVI INTEGRATORS INC 04/19/19 thru 04/30/20 2019036	$483,934.26	82138.66	$269,049.52	$351,188.18	$257,182.21	$94,005.97
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
BAYVIEW PUBLIC RELATIONS INC. 10/01/22 thru 09/30/25 2023024	$525,000.00		$26,150.00	$26,150.00	$25,241.50	$908.50
BIG SEA, INC. 10/01/22 thru 09/30/24 2023011	$320,000.00		$11,725.00	$11,725.00	$11,725.00	$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	$2,481,516.96	$516,227.04
BLACK & VEATCH CORPORATION 09/20/21 thru 09/30/29 2022001	$23,024,546.92	250000	$7,400,071.80	$7,650,071.80	$4,618,854.26	$3,031,217.54
BRIAN G ORMISTON 02/18/19 thru 02/28/22 2019016	$300,000.00		$191,270.25	$191,270.25	$190,672.25	$598.00
BUSACK LAW FIRM, P.A. 12/17/18 thru 09/30/19 2019037	$60,000.00		$80,000.00	$80,000.00	$0.00	$80,000.00
CAMPBELL SCIENTIFIC 05/19/22 thru 05/19/23 2022514	$123,750.00		$0.00	$0.00	$0.00	$0.00
CARDNO, INC 04/29/19 thru 04/30/22 2019023	$360,280.00		$366,689.48	$366,689.48	$346,549.24	$20,140.24
CARDNO, INC 03/21/22 thru 03/31/25 2022040	$500,000.00		$237,733.00	$237,733.00	$86,245.00	$151,488.00
CARMEUSE LIME & STONE, INC. 08/15/22 thru 09/30/23 2023018	$4,000,000.00	350000	$1,379,779.00	$1,729,779.00	$1,658,958.20	$70,820.80
CAROLLO ENGINEERS INC	$1,098,792.00		$1,297,584.00	$1,297,584.00	$1,097,605.80	$199,978.20

Contract Summary

Monthly Status Report of Vendors

July 1, 2023 thru July 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
08/21/20 thru 06/30/22 2020049						
CAROLLO ENGINEERS INC 09/20/21 thru 09/01/26 2021029	$2,000,000.00		$91,656.00	$91,656.00	$67,192.63	$24,463.37
CATALYST COMMUNICATIONS GROUP LLC 10/01/22 thru 09/30/25 2023010	$945,000.00	30000	$50,000.00	$80,000.00	$75,612.50	$4,387.50
CDM SMITH INC 10/21/19 thru 10/31/22 2020014	$400,000.00		$158,545.00	$158,545.00	$134,443.75	$24,101.25
CDM SMITH INC 09/20/21 thru 09/01/26 2021033	$2,000,001.00		$545,270.00	$545,270.00	$383,350.17	$161,919.83
CEC MOTOR & UTILITY SERVICES LLC 04/17/23 thru 04/30/27 2023032	$1,000,000.00		$0.00	$0.00	$0.00	$0.00
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
CHA CONSULTING INC 07/19/21 thru 01/31/24 2020032V	$1,535,511.11		$1,410,511.11	$1,410,511.11	$1,066,178.44	$344,332.67
CHANDLER ASSET MANAGEMENT, INC. 08/17/20 thru 12/13/22 2021700	$354,000.00		$195,000.00	$195,000.00	$189,304.53	$5,695.47
CHEMICAL SYSTEMS OF ORLANDO, INC. 10/01/20 thru 09/30/21 2021007	$1,335,552.40		$869,280.00	$869,280.00	$780,487.67	$88,792.33
CITRUS PARK WELL DRILLING & IRRIGATION INC 06/20/22 thru 06/30/23 2022058	$400,000.00		$0.00	$0.00	$0.00	$0.00
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. 05/01/18 thru 2018044	$643,500.00		$643,500.00	$643,500.00	$600,879.51	$42,620.49
CONN & BUENAVENTURA, P.A. 03/15/21 thru 12/31/23 2021049	$633,200.00		$587,750.00	$587,750.00	$480,666.28	$107,083.72
CORCORAN & ASSOCIATES, INC. 08/18/20 thru 08/18/23 2021004	$600,000.00		$414,430.00	$414,430.00	$403,200.00	$11,230.00

Contract Summary

Monthly Status Report of Vendors

July 1, 2023 thru July 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
CORRPRO COMPANIES, INC. 01/01/22 thru 12/31/26 2022011	$750,000.00		$366,153.00	$366,153.00	$276,124.39	$90,028.61
CROM COATINGS AND RESTORATIONS 10/01/20 thru 09/30/21 2021003	$881,785.00		$544,481.60	$544,481.60	$544,481.60	$0.00
CUMBEY & FAIR, INC. 10/01/19 thru 09/30/24 2020007	$1,021,090.00		$707,920.00	$707,920.00	$578,851.00	$129,069.00
DEAN, MEAD, EGERTON, BLOODWORTH, 12/17/18 thru 09/30/19 2019038	$365,000.00		$360,000.00	$360,000.00	$236,156.69	$123,843.31
DESIGNER AT LARGE 10/01/22 thru 09/30/24 2023012	$160,000.00		$29,989.00	$29,989.00	$29,989.00	$0.00
DEWBERRY ENGINEERS, INC 05/17/21 thru 12/31/22 2017026V	$566,095.97		$197,920.00	$197,920.00	$89,056.94	$108,863.06
DEWBERRY ENGINEERS, INC 10/01/19 thru 09/30/24 2020009	$400,000.00		$104,330.00	$104,330.00	$89,330.00	$15,000.00
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
DIALOGUE PUBLIC RELATIONS, LLC 10/01/22 thru 09/30/25 2023009	$945,000.00		$182,487.50	$182,487.50	$132,675.00	$49,812.50
DIGITAL AERIAL SOLUTIONS, LLC 08/16/21 thru 09/30/24 2022002	$509,786.52		$165,076.54	$165,076.54	$160,076.54	$5,000.00
DONALD J POLMANN 04/17/23 thru 04/30/26 2023509	$150,000.00		$0.00	$0.00	$0.00	$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		$156,842.65	$156,842.65	$105,955.30	$50,887.35
EARTHBALANCE 03/29/22 thru 03/31/25 2022041	$500,000.00		$0.00	$0.00	$0.00	$0.00
ECO-LAND DESIGN, LLC	$93,775.00		$0.00	$0.00	$0.00	$0.00

Contract Summary

Monthly Status Report of Vendors

July 1, 2023 thru July 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
10/21/21 thru 09/30/24	2022018						
ECOHYDROLOGIX LLC 03/15/22 thru 03/31/25	2022032	$500,000.00		$0.00	$0.00	$0.00	$0.00
ECOHYDROLOGIX LLC 10/03/22 thru 09/30/26	2022055	$655,976.00		$188,985.00	$188,985.00	$104,577.60	$84,407.40
ELECTRIC GAS INDUSTRIES ASSOCIATION 10/21/19 thru 10/31/24	2020010	$17,455,354.00		$5,164,089.00	$5,164,089.00	$1,653,130.96	$3,510,958.04
ELECTRICAL ENGINEERING ENTERPRISES INC 12/14/20 thru 12/14/22	2021014	$1,200,000.00		$701,850.00	$701,850.00	$498,454.02	$203,395.98
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	9000	$1,829,813.13	$1,838,813.13	$1,784,269.08	$54,544.05
ENVIRONMENTAL SCIENCE ASSOCIATES 10/21/19 thru 10/31/22	2020015	$400,000.00		$262,874.00	$262,874.00	$256,565.50	$6,308.50
ENVIRONMENTAL SCIENCE ASSOCIATES 06/15/20 thru 02/11/24	2020709	$1,520,000.00	358862.96	$1,117,446.00	$1,476,308.96	$634,077.62	$842,231.34
ENVIRONMENTAL SCIENCE ASSOCIATES 08/17/20 thru 09/30/25	2021001	$2,739,331.00		$1,695,882.00	$1,695,882.00	$1,524,608.95	$171,273.05
ENVIRONMENTAL SCIENCE ASSOCIATES 04/14/22 thru 03/31/25	2022030	$500,000.00		$137,940.00	$137,940.00	$86,083.49	$51,856.51
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		$40,000.00	$40,000.00	$36,713.00	$3,287.00
FLATWOODS CONSULTING GROUP, INC. 03/15/22 thru 03/31/25	2022029	$500,000.00		$0.00	$0.00	$0.00	$0.00
FLORIDA JETCLEAN 10/01/20 thru 09/30/21	2021006	$587,620.00	25920	$146,750.00	$172,670.00	$146,440.00	$26,230.00

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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	243363.6	$654,619.00	$897,982.60	$565,190.35	$332,792.25
GEOPOINT SURVEYING, INC. 09/20/21 thru 09/30/25 2021043	$598,281.60		$259,570.40	$259,570.40	$174,979.28	$84,591.12
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	$21,400.00	$125,335.00
GHD SERVICES, INC. 08/21/17 thru 09/30/20 2017050	$450,000.00		$254,119.09	$254,119.09	$179,124.25	$74,994.84
GHD SERVICES, INC. 09/20/21 thru 09/30/24 2022007	$450,000.00	44218	$35,940.81	$80,158.81	$17,433.93	$62,724.88
GRAY ROBINSON, P.A. 12/17/18 thru 09/30/19 2019039	$605,000.00		$630,000.00	$630,000.00	$140,923.66	$489,076.34
GREENMAN-PEDERSEN, INC. 08/20/18 thru 08/20/23 2018047	$322,508.00		$322,507.91	$322,507.91	$294,399.50	$28,108.41
GREENMAN-PEDERSEN, INC. 02/18/19 thru 02/19/22 2019017	$300,000.00		$274,835.75	$274,835.75	$243,666.02	$31,169.73
GSI ENVIRONMENTAL, INC. 10/21/19 thru 10/31/24 2020017	$1,250,000.00		$1,114,457.70	$1,114,457.70	$887,045.00	$227,412.70
HAWKINS, INC. 08/15/22 thru 09/30/23 2023019	$1,251,100.00	50000	$186,276.00	$236,276.00	$216,682.10	$19,593.90
HAZEN & SAWYER, P.C. 05/11/17 thru 05/11/22 2017025	$750,000.00		$556,390.00	$556,390.00	$451,931.25	$104,458.75
HAZEN & SAWYER, P.C. 10/21/19 thru 10/30/22 2020013	$400,000.00		$266,594.00	$266,594.00	$222,820.43	$43,773.57
HAZEN & SAWYER, P.C.	$800,000.00		$190,000.00	$190,000.00	$148,743.00	$41,257.00

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10/21/19 thru 10/31/24 2020018						
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	$927,797.85		$819,965.00	$819,965.00	$230,594.90	$589,370.10
HAZEN & SAWYER, P.C. 10/17/22 thru 09/30/25 2023006	$600,000.00		$0.00	$0.00	$0.00	$0.00
HILLSBOROUGH COUNTY 10/01/21 thru 09/30/22 AGR2022001	$183,408.00		$0.00	$0.00	$0.00	$0.00
HILLSBOROUGH COUNTY 10/01/22 thru 09/30/23 AGR2023001	$194,412.48		$194,412.00	$194,412.00	$136,096.28	$58,315.72
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
INTERA, INC. 11/05/13 thru 12/31/22 2014020	$500,000.00		$513,977.96	$513,977.96	$439,155.46	$74,822.50
INTERA, INC. 10/21/19 thru 10/31/24 2020019	$749,999.90	30000	$113,046.32	$143,046.32	$112,577.22	$30,469.10
JACOBS ENGINEERING GROUP INC 09/20/21 thru 09/01/26 2021037	$1,999,001.00		$548,793.24	$548,793.24	$430,406.79	$118,386.45
JACOBS ENGINEERING GROUP INC 08/21/23 thru 05/30/27 2023026	$836,348.00		$0.00	$0.00	$0.00	$0.00
JAM 520 CONSTRUCTION LLC 10/01/22 thru 09/30/23 2023015	$300,000.00		$150,000.00	$150,000.00	$150,000.00	$0.00
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	96000	$830,000.00	$926,000.00	$563,388.60	$362,611.40

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KAT CONSTRUCTION & MATERIALS, INC. 06/20/22 thru 05/30/23 2022026	$1,151,100.00		$1,151,100.00	$1,151,100.00	$903,892.99	$247,207.01
KELLER AMERICA, INC 11/15/21 thru 11/14/23 2022022	$151,810.00	34877.7	$63,769.29	$98,646.99	$90,463.91	$8,183.08
LHOIST NORTH AMERICA OF ALABAMA, LLC 10/01/20 thru 09/30/21 2021011	$1,342,180.80		$532,140.75	$532,140.75	$435,495.11	$96,645.64
LOCHER ENVIRONMENTAL TECHNOLOGY LLC 01/05/22 thru 12/01/27 2022704	$80,001.00		$20,000.00	$20,000.00	$16,328.00	$3,672.00
MAINZER MANAGEMENT INC 04/20/20 thru 09/30/22 2020045	$621,570.00		$319,460.00	$319,460.00	$30,000.00	$289,460.00
MAINZER MANAGEMENT INC 10/01/23 thru 09/30/25 2024004	$185,800.00		$0.00	$0.00	$0.00	$0.00
MATHESON TRI-GAS INC. 10/01/20 thru 09/30/21 2021008	$3,990,540.58		$2,309,538.00	$2,309,538.00	$2,178,307.25	$131,230.75
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	144000	$144,000.00	$288,000.00	$127,000.00	$161,000.00
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	$57,547.22	$114,447.78
METZGER & WILLARD INC 05/11/17 thru 05/11/22 2017029	$775,000.00		$659,241.70	$659,241.70	$407,551.39	$251,690.31
MGT OF AMERICA CONSULTING, LLC 04/30/19 thru 2019035	$82,985.00		$36,915.00	$36,915.00	$30,615.00	$6,300.00
MONTROSE ENVIRONMENTAL SOLUTIONS, INC. 09/20/21 thru 09/30/24 2022008	$450,000.00	12283	$46,199.00	$58,482.00	$46,188.50	$12,293.50
NABORS, GIBLIN, & NICKERSON P.A.	$80,000.00		$100,000.00	$100,000.00	$28,500.13	$71,499.87

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12/17/18 thru 09/17/19 2019040						
NATIONAL EC SERVICES, INC. 10/17/22 thru 09/30/25 2023005	$600,000.00		$322,610.00	$322,610.00	$118,833.15	$203,776.85
NORTH CAROLINA STATE UNIVERSITY 01/05/22 thru 06/30/23 2022050	$79,999.00		$79,999.00	$79,999.00	$79,993.00	$6.00
NORTH CAROLINA STATE UNIVERSITY 10/01/20 thru 08/31/22 AGR2021009	$79,968.00		$79,962.00	$79,962.00	$79,968.00	($6.00)
ODYSSEY MANUFACTURING COMPANY 10/01/21 thru 09/30/22 2022016	$9,848,361.60	756000	$4,397,010.00	$5,153,010.00	$4,796,223.74	$356,786.26
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		$148,063.00	$148,063.00	$126,759.00	$21,304.00
PASCO COUNTY OFFICES 10/01/21 thru 09/30/22 AGR2022002	$167,273.00		$0.00	$0.00	$0.00	$0.00
PASCO COUNTY OFFICES 10/01/22 thru 12/31/23 AGR2023002	$177,309.00		$177,309.00	$177,309.00	$101,311.30	$75,997.70
PASCO COUNTY OFFICES 10/01/23 thru 09/30/24 AGR2024002	$182,628.00		$0.00	$0.00	$0.00	$0.00
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. 02/17/20 thru 09/30/22 2020704	$1,028,250.00		$1,028,250.00	$1,028,250.00	$972,450.00	$55,800.00
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

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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	$23,524.24	$695,485.61
PCL CONSTRUCTION, INC. 02/21/22 thru 02/09/23 2021012GP6	$8,304,305.00		$7,304,305.00	$7,304,305.00	$5,836,427.46	$1,467,877.54
PCL CONSTRUCTION, INC. 07/29/21 thru 12/31/23 2021703	$1,367,453.00	114285.71	$1,188,050.00	$1,302,335.71	$1,091,456.27	$210,879.44
PCL CONSTRUCTION, INC. 08/21/23 thru 07/01/24 2023028	$1,504,600.00		$0.00	$0.00	$0.00	$0.00
PCL CONSTRUCTION, INC. 08/21/23 thru 05/30/27 2023029	$147,958.00		$0.00	$0.00	$0.00	$0.00
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
PFM FINANCIAL ADVISORS LLC 05/15/23 thru 03/21/26 2023703	$144,000.00		$0.00	$0.00	$0.00	$0.00
PINELLAS COUNTY BOARD OF COUNTY 10/01/21 thru 09/30/22 AGR2022003	$167,273.00		$0.00	$0.00	$0.00	$0.00
PINELLAS COUNTY BOARD OF COUNTY 10/01/22 thru 09/30/23 AGR2023003	$177,309.00		$177,309.00	$177,309.00	$120,396.44	$56,912.56
PIPER FIRE PROTECTION, INC. 10/01/22 thru 09/30/23 2023020	$400,000.00		$113,420.00	$113,420.00	$87,519.62	$25,900.38
POLYDYNE INC	$2,160,397.15	60000	$1,774,938.00	$1,834,938.00	$1,747,958.87	$86,979.13

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10/01/19 thru 09/30/20 2020023						
POLYDYNE INC 10/01/23 thru 09/30/24 2024005	$677,448.00		$0.00	$0.00	$0.00	$0.00
POND & COMPANY 12/14/20 thru 12/14/25 2021017	$682,000.00		$393,253.98	$393,253.98	$393,131.39	$122.59
PRITCHETT STEINBECK GROUP, INC. 10/01/18 thru 09/30/23 2018046	$535,520.00		$613,483.12	$613,483.12	$500,251.34	$113,231.78
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		$328,200.00	$328,200.00	$233,344.51	$94,855.49
PRITCHETT STEINBECK GROUP, INC. 03/15/22 thru 03/31/25 2022028	$570,000.00		$319,241.97	$319,241.97	$53,446.42	$265,795.55
PRITCHETT STEINBECK GROUP, INC. 10/03/22 thru 09/30/26 2022052	$616,926.00		$141,859.00	$141,859.00	$48,399.82	$93,459.18
PROGRESSIVE WATER RESOURCES 11/16/21 thru 09/30/23 2022702	$15,725.00		$15,725.00	$15,725.00	$15,725.00	$0.00
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
PUBLIC FINANCIAL MGMT., INC. (PFM) 10/17/16 thru 2017700	$111,991.59		$112,000.00	$112,000.00	$106,491.53	$5,508.47
PVS TECHNOLOGIES, INC. 10/01/21 thru 09/30/22 2022013	$8,716,063.68		$414,035.00	$414,035.00	$114,122.63	$299,912.37
QUEST ECOLOGY INC 02/18/19 thru 02/28/22 2019014	$300,000.00		$56,855.00	$56,855.00	$50,398.75	$6,456.25
QUEST ECOLOGY INC 04/19/19 thru 04/30/22 2019024	$300,000.00		$92,736.00	$92,736.00	$78,827.75	$13,908.25
QUEST ECOLOGY INC 03/29/22 thru 03/31/25 2022043	$500,000.00		$93,351.50	$93,351.50	$38,109.25	$55,242.25

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RADIO ONE, INC. 09/29/21 thru 02/28/24 2021710	$684,300.00	4529.42	$314,738.95	$319,268.37	$110,251.16	$209,017.21
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		$3,347,943.12	$3,347,943.12	$6,560,329.33	($3,212,386.21)
RICK RICHARDS, INC. 04/05/22 thru 03/31/25 2022045	$500,000.00		$42,550.00	$42,550.00	$36,500.00	$6,050.00
RICK RICHARDS, INC. 03/21/22 thru 03/31/23 2022047	$239,349.00		$90,000.00	$90,000.00	$89,349.00	$651.00
ROWLAND (DE), LLC 08/16/21 thru 09/30/25 2021045	$2,000,000.00		$258,610.00	$258,610.00	$116,482.70	$142,127.30
ROWLAND (DE), LLC 08/16/21 thru 09/30/25 2021047	$2,000,000.00		$1,150,000.00	$1,150,000.00	$1,022,106.72	$127,893.28
RYMAN CONSTRUCTION INC. 10/03/22 thru 11/19/23 2023700	$150,000.00		$50,000.00	$50,000.00	$45,565.58	$4,434.42
S & C JANITORIAL, INC 01/15/19 thru 06/30/20 2019033	$179,301.86	3666.24	$182,797.26	$186,463.50	$175,110.90	$11,352.60
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		$155,906.00	$155,906.00	$147,529.52	$8,376.48
SOUTHEAST DRILLING SERVICES INC 08/19/19 thru 09/30/22 2019054	$800,000.00		$825,000.00	$825,000.00	$674,561.50	$150,438.50
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
SOUTHEAST DRILLING SERVICES INC 06/20/22 thru 06/30/23 2022057	$400,000.00		$0.00	$0.00	$0.00	$0.00
SOUTHEASTERN SURVEYING AND MAPPING	$400,000.00		$191,157.65	$191,157.65	$186,626.65	$4,531.00

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10/01/19 thru 09/30/24 2020006						
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	$803,283.88	$516,619.62
STANTEC CONSULTING SERVICES, INC. 10/27/20 thru 09/30/26 2021002	$2,297,571.00		$2,297,571.00	$2,297,571.00	$1,317,257.07	$980,313.93
STANTEC CONSULTING SERVICES, INC. 08/16/21 thru 02/28/29 2021025	$15,070,883.14		$14,069,090.00	$14,069,090.00	$2,577,917.42	$11,491,172.58
STANTEC CONSULTING SERVICES, INC. 09/20/21 thru 09/01/26 2021028	$2,000,001.00		$37,500.00	$37,500.00	$0.00	$37,500.00
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	$433,615.00		$144,870.00	$144,870.00	$45,131.00	$99,739.00
STEARNS WEAVER MILLER WEISSLER ALHADEFF 12/17/18 thru 09/30/19 2019041	$60,000.00		$80,000.00	$80,000.00	$5,129.50	$74,870.50
SULPHURIC ACID TRADING CO. INC 10/01/21 thru 09/30/22 2022014	$5,220,309.12	600000	$3,751,423.00	$4,351,423.00	$3,989,104.42	$362,318.58
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		$520,000.00	$520,000.00	$400,413.29	$119,586.71
TAMPA ARMATURE WORKS INC 05/03/18 thru 12/31/22 2018026	$2,000,000.00		$722,694.00	$722,694.00	$557,188.62	$165,505.38
TAMPA ARMATURE WORKS INC 05/11/23 thru 04/30/27 2023031	$1,500,000.00		$25,000.00	$25,000.00	$11,249.58	$13,750.42
TAMPA BAY ESTUARY PROGRAM 07/19/21 thru 12/31/26 AGR2021010	$60,000.00		$0.00	$0.00	$0.00	$0.00

Contract Summary

Monthly Status Report of Vendors

July 1, 2023 thru July 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
TAMPA BAY ESTUARY PROGRAM 02/21/22 thru 10/21/23 AGR2022006	$282,776.00		$0.00	$0.00	$0.00	$0.00
TANNER INDUSTRIES, INC. 08/15/22 thru 09/30/23 2023016	$829,297.00		$0.00	$0.00	$0.00	$0.00
THATCHER CHEMICAL OF FLORIDA INC. 10/01/20 thru 09/30/21 2021009	$943,378.12		$449,429.00	$449,429.00	$382,395.02	$67,033.98
THATCHER CHEMICAL OF FLORIDA INC. 08/15/22 thru 09/30/23 2023017	$11,375,125.96		$3,692,222.00	$3,692,222.00	$4,242,760.57	($550,538.57)
THE GORDIAN GROUP 07/29/21 thru 06/06/22 2021707	$881,195.00	5714.29	$59,403.00	$65,117.29	$59,402.50	$5,714.79
THE GORDIAN GROUP 07/29/21 thru 12/31/23 2021707	$881,195.00	5714.29	$59,403.00	$65,117.29	$59,402.50	$5,714.79
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
THERMO ELECTRON NORTH AMERICA LLC 02/02/21 thru 12/31/23 2021905	$146,637.00		$146,637.00	$146,637.00	$146,637.00	$0.00
TUCKER ENTERPRISE SERVICES, INC. 03/21/22 thru 03/31/23 2022048	$164,550.00		$60,000.00	$60,000.00	$18,225.00	$41,775.00
UNIVERSAL PROTECTION SERVICE LP 06/15/20 thru 03/09/25 2020707	$3,738,845.31		$3,397,587.00	$3,397,587.00	$3,535,049.53	($137,462.53)
UNIVERSITY OF CENTRAL FLORIDA 08/30/22 thru 08/31/24 2022024	$73,823.00		$73,823.00	$73,823.00	$36,911.52	$36,911.48
UNIVERSITY OF CENTRAL FLORIDA 02/18/21 thru 06/30/24 AGR2021008	$89,470.00		$89,470.00	$89,470.00	$53,682.00	$35,788.00
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 10/01/20 thru 08/30/23 AGR2021007	$90,000.00		$90,000.00	$90,000.00	$70,000.00	$20,000.00
UNIVERSITY OF FLORIDA RESEARCH	$30,000.00		$30,000.00	$30,000.00	$18,000.00	$12,000.00

Contract Summary

Monthly Status Report of Vendors

July 1, 2023 thru July 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
09/19/22 thru 12/31/23 2022056						
UNIVERSITY OF FLORIDA RESEARCH 10/01/22 thru 09/30/23 2023002	$80,780.00		$80,780.00	$80,780.00	$60,585.00	$20,195.00
UNIVERSITY OF FLORIDA RESEARCH 08/26/21 thru 03/31/24 AGR2021011	$98,112.00		$0.00	$0.00	$0.00	$0.00
UNIVERSITY OF NORTH CAROLINA AT CHAPEL 10/20/20 thru 09/30/22 AGR2019019	$550,000.00		$250,000.00	$250,000.00	$250,000.00	$0.00
UNIVERSITY OF SOUTH FLORIDA 04/03/20 thru 12/31/23 2020048	$190,220.19		$143,499.00	$143,499.00	$99,903.00	$43,596.00
UNIVERSITY OF SOUTH FLORIDA 06/01/21 thru 12/31/23 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 04/30/24 2023008	$89,996.00		$0.00	$0.00	$0.00	$0.00
US WATER-ACCIONA PC JV, LLC 07/17/23 thru 11/15/29 2005062V	$8,555,573.42		$0.00	$0.00	$0.00	$0.00
USGS 10/01/23 thru 09/30/24 2024003	$134,900.00		$0.00	$0.00	$0.00	$0.00
USGS 10/01/22 thru 09/30/23 AGR2023004	$128,400.00		$128,400.00	$128,400.00	$118,400.00	$10,000.00
V&A CONSULTING ENGINEERING, INC. 08/17/22 thru 09/01/26 2021027V	$2,000,000.00		$176,028.78	$176,028.78	$40,278.53	$135,750.25
VANASSE HANGEN BRUSTLIN INC 04/05/22 thru 03/31/25 2022033	$500,000.00		$67,600.00	$67,600.00	$48,592.05	$19,007.95
VEOLIA WATER NORTH AMERICA 04/10/00 thru 01/15/28 2000028	$17,224,706.26		$14,801,861.26	$14,801,861.26	$6,323,136.73	$8,478,724.53
VERIZON FLORIDA INC 08/25/20 thru 12/29/23 2020054	$1,350,000.00		$800,000.00	$800,000.00	$616,750.14	$183,249.86

Contract Summary

Monthly Status Report of Vendors

July 1, 2023 thru July 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
WADE-TRIM INC 08/16/21 thru 02/28/29 2021024	$30,883,703.00		$27,006,082.00	$27,006,082.00	$3,025,423.42	$23,980,658.58
WADE-TRIM INC 09/20/21 thru 09/01/26 2021031	$2,000,001.00		$0.00	$0.00	$0.00	$0.00
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. 09/17/18 thru 09/30/23 2018049	$569,738.00		$574,988.23	$574,988.23	$556,608.23	$18,380.00
WATER & AIR RESEARCH, INC. 02/18/19 thru 02/18/22 2019019	$300,000.00		$303,213.58	$303,213.58	$287,549.09	$15,664.49
WATER & AIR RESEARCH, INC. 04/19/19 thru 04/30/22 2019025	$300,000.00		$349,760.25	$349,760.25	$292,744.75	$57,015.50
WATER & AIR RESEARCH, INC. 03/21/22 thru 03/31/25 2022042	$500,000.00	6400	$114,675.50	$121,075.50	$77,445.00	$43,630.50
WESLEY S. LIVERNOIS 01/01/23 thru 12/31/23 2023025	$434,511.25		$300,000.00	$300,000.00	$174,338.50	$125,661.50
WILDLANDS CONSERVATION, INC. 03/21/22 thru 03/31/25 2022044	$500,000.00		$100,470.00	$100,470.00	$64,607.14	$35,862.86
WISE CONSULTING GROUP 08/16/21 thru 09/30/26 2022004	$450,960.00		$199,270.00	$199,270.00	$135,399.00	$63,871.00
WSP USA ENVIRONMENT & INFRASTRUCTURE 10/01/19 thru 09/30/24 2020004	$400,000.00		$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		$39,375.00	$39,375.00	$38,140.00	$1,235.00
WSP USA INC 12/14/20 thru 04/17/22 2017043V	$653,999.00		$282,453.00	$282,453.00	$253,640.08	$28,812.92
WSP USA INC 09/20/21 thru 09/30/24 2022005	$450,000.00		$51,825.00	$51,825.00	$37,100.00	$14,725.00
WSP USA INC	$750,000.00		$67,448.37	$67,448.37	$5,089.50	$62,358.87

Contract Summary

Monthly Status Report of Vendors

July 1, 2023 thru July 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
03/21/22 thru 05/01/27 2022051						
XTREMELY CLEAN JANITORIAL SERVICES, LLC. 07/01/23 thru 10/31/23 2023704	$250,000.00		$53,170.00	$53,170.00	$17,598.51	$35,571.49

Supplying Water To The Region

AGENDA ITEM F.8

DATE: August 30, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Financial Statement - July 2023 - *Receive Report*

SUMMARY

The attached Statement of Revenues and Expenditures summarizes the Agency's uniform rate basis financial activity for July 2023.

SUGGESTED ACTION

Receive and File.

COST/FUNDING SOURCE

N/A

DISCUSSION

Financial Statement - Summary of Major Points: The agency lags in actual expenditures for the Professional Services category due primarily to the normal nature of the billing and review process which takes typically 60 to 90 days. This is adjusted at year end to reflect all actual activity. Electricity and Water Treatment Chemicals appear low because the budgeted amount is spread evenly over the year, but the use of electricity and chemicals are more seasonal.

Revenues – Operating income consists of water sales (fixed and variable components), sales from the Tampa Bypass Canal to the City of Tampa, and the board-approved balance carried forward from the previous year through the Rate Stabilization Fund. Other Income consists routinely of interest income received from investments.

Expenditures - Throughout the year, actual expenditures normally lag behind budgeted expenditures 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 and the budgeted expenses are distributed evenly across the 12 months of the fiscal year.

When the fiscal year end approaches, the books are held open to allow for all the appropriate 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 begins to use the costlier 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.

Rate revenue is shown as being earned in level monthly increments and only catches up to the expenditures at year end. Significant encumbrances include Water Treatment Chemicals, Power, Professional Services and Water for Resale. 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 07.2023

TAMPA BAY WATER
UNIFORM RATE BASIS
Statement of Revenues and Expenditures
July 31, 2023

	Current Month Actual	Current Month Budget	Percent of Budget	$ Variance	Year to Date Actual	Year to Date Budget	Percent of Budget	$ Variance
OPERATING REVENUE:								
Operating Grant - SWFWMD	0	0	0.00%	0	66,579	0	0.00%	66,579
Water Sales - Fixed	12,835,301	12,835,301	100.00%	0	128,353,009	128,353,009	100.00%	0
Water Sales - Variable	2,731,618	2,652,012	103.00%	79,606	27,071,385	26,520,120	102.08%	551,265
Water Sales - Other	3,500	3,500	100.00%	0	46,205	35,000	132.01%	11,205
Water Sales - Tampa By-Pass Canal	0	32,667	0.00%	-32,667	326,508	326,667	0.00%	-159
Rate Stabilization (Note 1)	337,184	2,041,627	16.52%	-1,704,444	23,825,164	20,416,276	116.70%	3,408,888
Total Operating Revenue	15,907,603	17,565,107	90.56%	-1,657,504	179,688,850	175,651,072	102.30%	4,037,778
OPERATING EXPENSES:								
FIXED OPERATING EXPENSE:								
Personnel Services	1,562,120	2,000,078	78.10%	437,958	16,358,611	20,000,782	81.79%	3,642,171
Materials & Supplies	265,533	298,941	88.82%	33,408	2,342,811	2,989,407	78.37%	646,595
Members Water Quality costs	4,000	4,000	100.00%	0	40,000	40,000	100.00%	0
Legal Services	27,651	54,582	50.66%	26,931	268,332	545,817	49.16%	277,485
Professional Services	2,627,076	3,494,410	75.18%	867,334	24,751,024	34,944,100	70.83%	10,193,076
Repairs & Other Services	961,365	1,276,766	75.30%	315,402	9,948,481	12,767,663	77.92%	2,819,183
Rent & Insurance	17,540	232,459	7.55%	214,919	2,548,477	2,324,593	109.63%	-223,885
Total Fixed Operating Expense	5,465,285	7,361,236	74.24%	1,895,951	56,257,735	73,612,361	76.42%	17,354,626
VARIABLE OPERATING EXPENSE:								
Water Treatment Chemicals	1,558,635	1,536,862	101.42%	-21,772	16,287,464	15,368,624	105.98%	-918,839
Electricity	1,580,045	1,480,076	106.75%	-99,969	11,984,641	14,800,758	80.97%	2,816,116
Water for Resale	95,059	44,542	213.42%	-50,517	471,611	445,417	105.88%	-26,195
Total Variable Operating Expense	3,233,738	3,061,480	105.63%	-172,258	28,743,716	30,614,798	93.89%	1,871,082
NON-OPERATING INCOME:								
Investment Income (Note 2)	544,755	120,463	452.22%	424,291	3,705,386	1,204,633	307.59%	2,500,753
Investment Income-Unrealized Gain/(Loss)	328,641	0	0.00%	328,641	2,075,093	0	0.00%	2,075,093
Miscellaneous	17,248	0	0.00%	17,248	400,483	0	0.00%	400,483
Litigation Recoveries	0	0	0.00%	0	12,682	0	0.00%	12,682
Capital Contributions (Grants)	0	0	0.00%	0	7,140	0	0.00%	7,140
Total Non-Operating Income	890,644	120,463	739.35%	770,181	6,200,784	1,204,633	514.74%	4,996,151
NON-OPERATING EXPENSES:								
Bond Issue Cost	0	61	0.00%	61	0	612	0.00%	-612
Interest - Acquisition Credits	217,474	217,474	100.00%	0	2,174,739	2,174,739	100.00%	0
Interest - Bonds	2,476,384	2,366,178	104.66%	-110,206	26,080,543	23,661,781	0.00%	2,418,762
Total Non-Operating Expenses	2,693,858	2,583,713	104.26%	-110,206	28,255,282	25,837,132	109.36%	2,418,762
Excess of Revenues over Expenditures before Capital Transactions and Reserve Funding	5,405,365	4,679,141	115.52%	726,224	72,632,901	46,791,414	155.23%	25,841,486
OTHER EXPENDITURES:								
Principal - Acquisition Credits	635,156	635,156	100.00%	0	6,351,559	6,351,558	100.00%	0
Principal - Bonds	3,557,417	3,490,917	101.90%	-66,500	34,776,166	34,909,167	99.62%	-133,000
Capital Expenditures	1,435,788	128,067	1121.12%	-1,307,721	8,633,619	1,280,671	674.15%	-7,352,948
Total Other Expenditures	5,628,361	4,254,140	132.30%	-1,374,221	49,761,344	42,541,396	116.97%	-7,485,948
RESERVE FUNDING:								
Renewal & Replacement Reserve Funding (Note 3)	572,365	500,000	0.00%	-72,365	5,562,724	5,000,000	0.00%	-562,724
Renewal & Replacement Reserve Used (Note 4)	-588,146	0	0.00%	588,146	-5,723,797	0	0.00%	5,723,797
Operations & Maintenance Reserve	0	0	0.00%	0	0	0	0.00%	0
Rate Stabilization Fund	0	-3,722,917	0.00%	-3,722,917	0	-3,722,917	0.00%	-3,722,917
Energy Fund Reserve Funding (Note 3)	2,181	-1,891,823	0.00%	-1,894,004	264,241	-1,891,823	0.00%	-2,156,064
Energy Funding Used (Note 4)	0	1,267,209	0.00%	1,267,209	0	1,267,209	0.00%	1,267,209
Utility Reserve Transfers	0	0	0.00%	0	0	0	0.00%	0
DSRF Release of Funds	-110,514	-1	100.00%	110,513	-110,513	0	100.00%	110,513
Capital Improvement Funding (Note 3)	53,425	-40,883,238	0.00%	-40,936,663	537,933	-40,883,238	0.00%	-41,421,171
Capital Improvement Funding Used (Note 4)	-1,244,212	24,184,736	0.00%	25,428,948	-7,405,110	24,184,736	0.00%	31,589,846
Total Reserve Funding	-1,314,901	-20,546,034	6.40%	-19,231,133	-6,874,522	-16,046,033	42.84%	-9,171,510
Excess Revenue over Expenditures/ (Expenditures over Revenue) - Rate Basis	**1,091,906**	**20,971,035**	**0**	**-19,879,129**	**29,746,079**	**20,296,051**	**0**	**9,184,029**
Encumbrances as of 07/31/2023					**45,968,272**			

Note 1 - Rate stabilization year to date actual reflects 10/12th of the approved budget transfer of $4,046,205 Board plus the Board approved purchase orders carried forward of $15,985,826 and $4,467,500 of FY22 unencumbered funds carried forward 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 retention of the interest earned in the Funds and Board approved funding.
Note 4 - Represents use of the Fund for expenditures on Board approved projects.

TAMPA BAY WATER
Supplying Water To The Region

AGENDA ITEM F.9

DATE: August 30, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Potential True Up of Fixed Costs between Member Governments for July 2023 - *Receive Report*

SUMMARY

The attached report is the true up of fixed costs between Member Governments as of July 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 2023 year-end closeout.

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 07-31-23-For Board Agenda Items

POTENTIAL TRUE UP FOR FY 2023 AS OF 7/31/2023

MONTH-YEAR	ST PETE	PINELLAS	TAMPA (Morris Br)	HILLSBOROUGH	PASCO	NEW PORT RICHEY	TOTALS		
				Monthly Demand					
Oct-22	902.87	1,544.74	-	2,400.76	1,094.16	94.95	6,037.48		
Nov-22	850.07	1,426.62	-	2,209.37	960.43	89.27	5,535.76		
Dec-22	852.09	1,462.01	-	2,251.24	948.48	89.15	5,602.97		
Jan-23	837.54	1,470.40	-	2,197.00	965.13	89.51	5,559.58		
Feb-23	777.23	1,403.05	-	2,172.42	931.58	84.32	5,368.60		
Mar-23	899.88	1,680.82	-	2,659.75	1,161.18	97.98	6,499.61		
Apr-23	894.43	1,652.30	190.95	2,653.71	1,176.89	97.78	6,666.06		
May-23	904.58	1,646.36	1,136.20	2,733.49	1,214.57	95.14	7,730.34		
Jun-23	851.41	1,509.94	215.16	2,413.71	1,043.53	95.56	6,129.31		
Jul-23	887.44	1,595.02	-	2,509.39	1,100.02	95.26	6,187.13		
Aug-23							-		
Sep-23							-		
FY 22 FYE	10,104.32	18,031.00	374.87	26,915.19	12,243.49	1,072.50	68,741.37	188.33	MGD
FY 23 YTD	8,657.54	15,391.26	1,542.31	24,200.84	10,595.97	928.92	61,316.84	201.70	MGD
+ / -	(1,446.78)	(2,639.74)	1,167.44	(2,714.35)	(1,647.52)	(143.58)	(7,424.53)	13.37	MGD

FY23 YTD MGD	28.48	50.63	5.07	79.61	34.86	3.06	201.70
% of YTD	14.12%	25.10%	2.52%	39.47%	17.28%	1.51%	100%
FY 22 MGD	27.68	49.40	1.03	73.74	33.54	2.94	188.33
% of FY 22	14.70%	26.23%	0.55%	39.15%	17.81%	1.56%	100%
Fixed billed FY23	$ 22,639,988.82	$ 40,400,703.69	$ 839,942.98	$ 60,306,839.11	$ 27,433,065.92	$ 2,403,069.97	$ 154,023,610.49
Actual fixed based on % of ytd	$ 21,747,134.54	$ 38,661,767.88	$ 3,874,174.77	$ 60,790,816.25	$ 26,616,335.02	$ 2,333,382.02	$ 154,023,610.49
Potential True-up	(892,854.28)	(1,738,935.81)	3,034,231.79	483,977.14	(816,730.90)	(69,687.95)	0.00

T:\Finance\Finance Draft Agenda Reports\FY 2023\09.2023\Potential True-Up 07-31-23-For Board Agenda Items

Supplying Water To The Region

AGENDA ITEM F.10

DATE: August 30, 2023

TO: Board of Directors

THRU: Charles H. Carden, General Manager

FROM: Christina Sackett, Chief Financial Officer

SUBJECT: Investment Schedule for July 2023 - *Receive Report*

SUMMARY

The attached investment statement and report provides details of Tampa Bay Water's investments as of July 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 July 31, 2023, the funds currently managed by Chandler Asset Management had a Market Value of $164,131,235 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 July 31, 2023, the Agency had $230,357,394 held in deposit accounts or certificates of deposits with multiple banking institutions, with interest rates ranging from .40% to 3.75%. 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, 78% are restricted as to purpose. An additional $30.6 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 July 2023 (1 of 2)
Investment Schedule for July 2023 (2 of 2)

Tampa Bay Water Consolidated - Account #10504

MONTHLY ACCOUNT STATEMENT

JULY 1, 2023 THROUGH JULY 31, 2023

Chandler Team:
For questions about your account, please call (800) 317-4747,
or contact **operations@chandlerasset.com**

CHANDLER ASSET MANAGEMENT
chandlerasset.com

Tampa Bay Water Consolidated

Account #10504

Portfolio Summary

As of July 31, 2023

PORTFOLIO CHARACTERISTICS

Average Modified Duration	1.49
Average Coupon	2.29%
Average Purchase YTM	2.04%
Average Market YTM	5.17%
Average S&P/Moody Rating	AA/Aa1
Average Final Maturity	1.62 yrs
Average Life	1.59 yrs

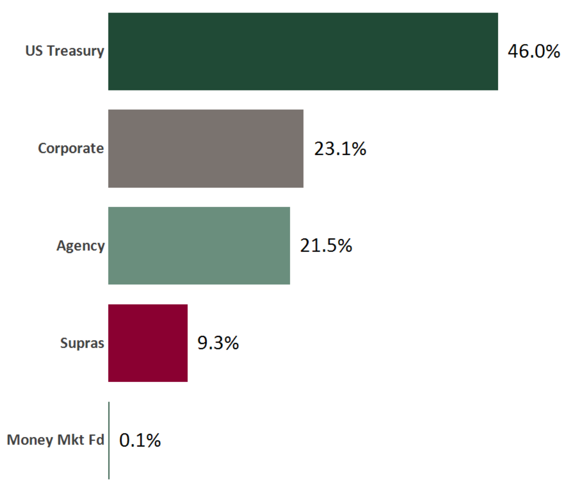
ACCOUNT SUMMARY

	Beg. Values as of 6/30/23	End Values as of 7/31/23
Market Value	162,646,350	163,241,139
Accrued Interest	831,027	890,097
Total Market Value	**163,477,377**	**164,131,235**
Income Earned	283,190	301,433
Cont/WD		
Par	168,464,768	168,776,048
Book Value	168,476,196	168,710,914
Cost Value	169,294,726	169,544,673

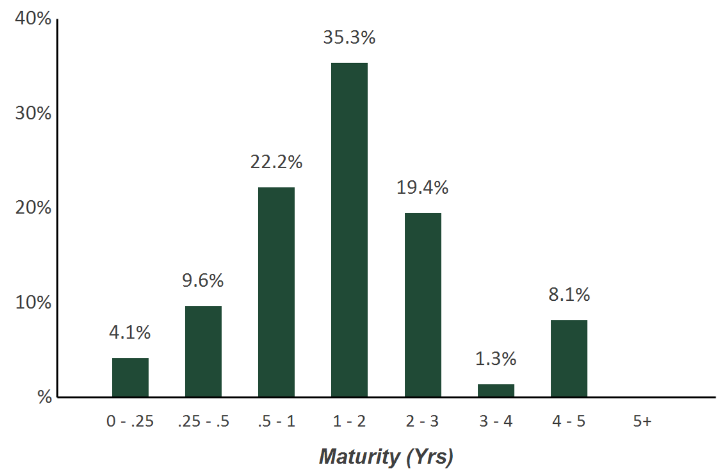
TOP ISSUERS

Government of United States	46.0%
Federal Home Loan Bank	8.8%
Federal National Mortgage Assoc	5.2%
Federal Farm Credit Bank	4.3%
Intl Bank Recon and Development	3.7%
Federal Home Loan Mortgage Corp	3.2%
Inter-American Dev Bank	3.2%
International Finance Corp	2.4%
Total	**76.8%**

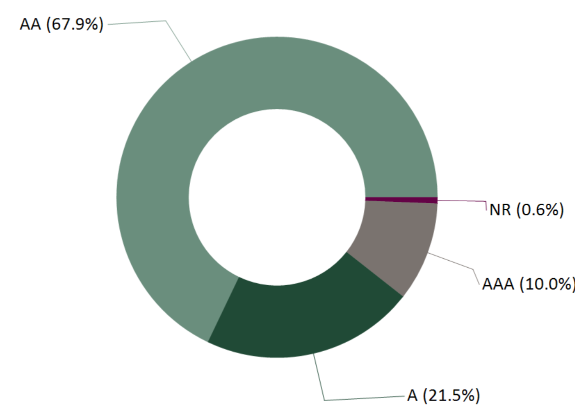
SECTOR ALLOCATION



MATURITY DISTRIBUTION



CREDIT QUALITY (S&P)



Holdings Report

As of July 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									
3137EAEV7	FHLMC Note 0.25% Due 8/24/2023	565,000.00	08/19/2020 0.28%	564,423.70 564,987.93	99.68 5.24%	563,203.30 616.01	0.34% (1,784.63)	Aaa / AA+ AAA	0.07 0.06
3137EAEW5	FHLMC Note 0.25% Due 9/8/2023	385,000.00	09/02/2020 0.26%	384,872.95 384,995.61	99.46 5.50%	382,930.24 382.33	0.23% (2,065.37)	Aaa / AA+ AAA	0.11 0.10
3137EAEW5	FHLMC Note 0.25% Due 9/8/2023	1,030,000.00	09/02/2020 0.26%	1,029,660.10 1,029,988.25	99.46 5.50%	1,024,462.72 1,022.85	0.62% (5,525.53)	Aaa / AA+ AAA	0.11 0.10
3135G0U43	FNMA Note 2.875% Due 9/12/2023	1,250,000.00	07/18/2019 1.88%	1,299,262.50 1,251,364.79	99.72 5.28%	1,246,518.75 13,875.87	0.77% (4,846.04)	Aaa / AA+ AAA	0.12 0.11
3135G0U43	FNMA Note 2.875% Due 9/12/2023	350,000.00	07/18/2019 1.88%	363,793.50 350,382.14	99.72 5.28%	349,025.25 3,885.24	0.22% (1,356.89)	Aaa / AA+ AAA	0.12 0.11
3137EAFA2	FHLMC Note 0.25% Due 12/4/2023	450,000.00	12/02/2020 0.28%	449,554.50 449,949.14	98.28 5.39%	442,238.85 178.13	0.27% (7,710.29)	Aaa / AA+ AAA	0.35 0.34
3137EAFA2	FHLMC Note 0.25% Due 12/4/2023	1,200,000.00	12/02/2020 0.28%	1,198,812.00 1,199,864.38	98.28 5.39%	1,179,303.60 475.00	0.72% (20,560.78)	Aaa / AA+ AAA	0.35 0.34
3130A0F70	FHLB Note 3.375% Due 12/8/2023	1,200,000.00	12/28/2018 2.73%	1,235,316.00 1,202,526.77	99.28 5.43%	1,191,363.60 5,962.50	0.73% (11,163.17)	Aaa / AA+ AAA	0.36 0.35
3130A0F70	FHLB Note 3.375% Due 12/8/2023	600,000.00	12/28/2018 2.73%	617,658.00 601,263.38	99.28 5.43%	595,681.80 2,981.25	0.36% (5,581.58)	Aaa / AA+ AAA	0.36 0.35
3130ATUQ8	FHLB Note 4.75% Due 3/8/2024	1,000,000.00	12/14/2022 4.70%	1,000,587.00 1,000,288.26	99.64 5.36%	996,394.00 18,868.06	0.62% (3,894.26)	Aaa / AA+ NR	0.61 0.58
3133ENWP1	FFCB Note 2.625% Due 5/16/2024	415,000.00	05/10/2022 2.69%	414,439.75 414,778.51	97.75 5.57%	405,658.35 2,269.53	0.25% (9,120.16)	Aaa / AA+ AAA	0.79 0.76
3133ENWP1	FFCB Note 2.625% Due 5/16/2024	245,000.00	05/10/2022 2.69%	244,669.25 244,869.24	97.75 5.57%	239,485.05 1,339.84	0.15% (5,384.19)	Aaa / AA+ AAA	0.79 0.76
3130A1XJ2	FHLB Note 2.875% Due 6/14/2024	750,000.00	06/14/2019 1.97%	782,257.50 755,623.84	97.83 5.46%	733,739.25 2,815.10	0.45% (21,884.59)	Aaa / AA+ NR	0.87 0.84
3130A1XJ2	FHLB Note 2.875% Due 6/14/2024	1,200,000.00	06/14/2019 1.97%	1,251,612.00 1,208,998.14	97.83 5.46%	1,173,982.80 4,504.17	0.72% (35,015.34)	Aaa / AA+ NR	0.87 0.84
3130ASHK8	FHLB Note 3.125% Due 6/14/2024	1,300,000.00	Various 3.45%	1,292,725.50 1,296,481.77	98.05 5.45%	1,274,660.40 5,303.82	0.78% (21,821.37)	Aaa / AA+ NR	0.87 0.84
3130A1XJ2	FHLB Note 2.875% Due 6/14/2024	475,000.00	11/23/2022 4.78%	461,628.75 467,500.78	97.83 5.46%	464,701.53 1,782.90	0.28% (2,799.25)	Aaa / AA+ NR	0.87 0.84

Holdings Report

As of July 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									
3133ENP79	FFCB Note 4.25% Due 9/26/2024	1,500,000.00	09/22/2022 4.25%	1,499,880.00 1,499,930.73	98.83 5.30%	1,482,510.00 22,135.42	0.92% (17,420.73)	Aaa / AA+ AAA	1.16 1.09
3133ENP79	FFCB Note 4.25% Due 9/26/2024	1,250,000.00	09/22/2022 4.25%	1,249,900.00 1,249,942.27	98.83 5.30%	1,235,425.00 18,446.18	0.76% (14,517.27)	Aaa / AA+ AAA	1.16 1.09
3133ENP79	FFCB Note 4.25% Due 9/26/2024	400,000.00	09/22/2022 4.25%	399,968.00 399,981.53	98.83 5.30%	395,336.00 5,902.78	0.24% (4,645.53)	Aaa / AA+ AAA	1.16 1.09
3135G0W66	FNMA Note 1.625% Due 10/15/2024	1,220,000.00	10/17/2019 1.66%	1,217,913.80 1,219,495.61	95.71 5.34%	1,167,714.46 5,837.36	0.72% (51,781.15)	Aaa / AA+ AAA	1.21 1.16
3135G0W66	FNMA Note 1.625% Due 10/15/2024	390,000.00	10/17/2019 1.66%	389,333.10 389,838.76	95.71 5.34%	373,285.77 1,866.04	0.23% (16,552.99)	Aaa / AA+ AAA	1.21 1.16
3133ENEJ5	FFCB Note 0.875% Due 11/18/2024	850,000.00	11/16/2021 0.92%	848,920.50 849,532.15	94.53 5.29%	803,539.85 1,508.16	0.49% (45,992.30)	Aaa / AA+ AAA	1.30 1.26
3130A3GE8	FHLB Note 2.75% Due 12/13/2024	750,000.00	12/21/2021 0.95%	789,427.50 768,135.92	96.68 5.30%	725,117.25 2,750.00	0.44% (43,018.67)	Aaa / AA+ NR	1.37 1.31
3130AV7L0	FHLB Note 5% Due 2/28/2025	1,345,000.00	03/02/2023 5.07%	1,343,224.60 1,343,592.85	100.11 4.93%	1,346,437.81 27,647.22	0.84% 2,844.96	Aaa / AA+ AAA	1.58 1.47
3130AWER7	FHLB Note 4.625% Due 6/6/2025	650,000.00	06/14/2023 4.69%	649,168.00 649,222.16	99.20 5.08%	644,826.65 4,091.84	0.40% (4,395.51)	Aaa / AA+ NR	1.85 1.74
3135G04Z3	FNMA Note 0.5% Due 6/17/2025	655,000.00	06/17/2020 0.54%	653,644.15 654,490.07	92.03 5.00%	602,796.50 400.28	0.37% (51,693.57)	Aaa / AA+ AAA	1.88 1.82
3135G04Z3	FNMA Note 0.5% Due 6/17/2025	1,750,000.00	06/17/2020 0.54%	1,746,377.50 1,748,637.59	92.03 5.00%	1,610,525.00 1,069.44	0.98% (138,112.59)	Aaa / AA+ AAA	1.88 1.82
3135G05X7	FNMA Note 0.375% Due 8/25/2025	1,050,000.00	08/25/2020 0.47%	1,045,086.00 1,047,965.97	91.18 4.91%	957,421.50 1,706.25	0.58% (90,544.47)	Aaa / AA+ AAA	2.07 2.01
3135G05X7	FNMA Note 0.375% Due 8/25/2025	395,000.00	08/25/2020 0.47%	393,151.40 394,234.82	91.18 4.91%	360,172.85 641.88	0.22% (34,061.97)	Aaa / AA+ AAA	2.07 2.01
3137EAEX3	FHLMC Note 0.375% Due 9/23/2025	505,000.00	09/23/2020 0.44%	503,479.95 504,346.65	90.98 4.85%	459,461.12 673.33	0.28% (44,885.53)	Aaa / AA+ AAA	2.15 2.08
3137EAEX3	FHLMC Note 0.375% Due 9/23/2025	1,350,000.00	09/23/2020 0.44%	1,345,936.50 1,348,253.41	90.98 4.85%	1,228,262.40 1,800.00	0.75% (119,991.01)	Aaa / AA+ AAA	2.15 2.08
3135G06G3	FNMA Note 0.5% Due 11/7/2025	1,455,000.00	11/09/2020 0.57%	1,449,791.10 1,452,628.68	90.76 4.86%	1,320,518.72 1,697.50	0.81% (132,109.96)	Aaa / AA+ AAA	2.27 2.20

Holdings Report

As of July 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									
3135G06G3	FNMA Note 0.5% Due 11/7/2025	545,000.00	11/09/2020 0.57%	543,048.90 544,111.77	90.76 4.86%	494,627.29 635.83	0.30% (49,484.48)	Aaa / AA+ AAA	2.27 2.20
3130ATUC9	FHLB Note 4.5% Due 12/12/2025	900,000.00	05/25/2023 4.37%	902,754.00 902,555.81	99.53 4.71%	895,782.60 5,512.50	0.55% (6,773.21)	Aaa / AA+ NR	2.37 2.20
3133EPCR4	FFCB Note 4.75% Due 3/9/2026	1,400,000.00	03/27/2023 3.96%	1,430,534.00 1,426,961.78	99.93 4.78%	1,399,064.80 26,230.56	0.87% (27,896.98)	Aaa / AA+ AAA	2.61 2.38
3130AV6J6	FHLB Note 4.5% Due 3/13/2026	1,000,000.00	05/01/2023 4.02%	1,012,870.00 1,011,750.33	99.59 4.67%	995,924.00 18,750.00	0.62% (15,826.33)	Aaa / AA+ NR	2.62 2.40
3130AV6J6	FHLB Note 4.5% Due 3/13/2026	600,000.00	05/05/2023 3.78%	611,520.00 610,578.46	99.59 4.67%	597,554.40 11,250.00	0.37% (13,024.06)	Aaa / AA+ NR	2.62 2.40
3133EPNG6	FFCB Note 4.375% Due 6/23/2026	1,000,000.00	06/20/2023 4.39%	999,470.00 999,488.86	99.43 4.59%	994,312.00 4,618.06	0.61% (5,176.86)	Aaa / AA+ AAA	2.90 2.68
3130ATUS4	FHLB Note 4.25% Due 12/10/2027	450,000.00	05/18/2023 3.82%	457,983.00 457,642.17	99.17 4.46%	446,264.55 2,709.38	0.27% (11,377.62)	Aaa / AA+ NR	4.36 3.91
3130ATS57	FHLB Note 4.5% Due 3/10/2028	600,000.00	04/20/2023 3.79%	618,726.00 617,655.94	100.41 4.40%	602,485.80 10,575.00	0.37% (15,170.14)	Aaa / AA+ AAA	4.61 4.05
3130AWN63	FHLB Note 4% Due 6/30/2028	1,600,000.00	07/18/2023 4.09%	1,593,696.00 1,593,741.33	98.84 4.26%	1,581,476.80 3,022.22	0.97% (12,264.53)	Aaa / AA+ NR	4.92 4.41
Total Agency		**36,025,000.00**	**2.45%**	**36,287,077.00** **36,108,578.55**	**5.09%**	**34,984,192.61** **247,739.83**	**21.47%** **(1,124,385.94)**	**Aaa / AA+** **AAA**	**1.62** **1.52**
CORPORATE									
89236THA6	Toyota Motor Credit Corp Note 1.35% Due 8/25/2023	655,000.00	05/19/2021 0.34%	669,829.20 655,430.87	99.75 5.09%	653,359.88 3,831.75	0.40% (2,070.99)	A1 / A+ A+	0.07 0.07
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 1,002,705.44	99.03 5.61%	990,349.00 2,140.28	0.60% (12,356.44)	A1 / A+ A+	0.44 0.43
24422EVN6	John Deere Capital Corp Note 0.45% Due 1/17/2024	705,000.00	03/01/2021 0.47%	704,499.45 704,919.36	97.74 5.47%	689,093.79 123.38	0.42% (15,825.57)	A2 / A A+	0.47 0.45
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 1,000,152.20	97.74 5.47%	977,438.00 175.00	0.60% (22,714.20)	A2 / A A+	0.47 0.45
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 1,249,449.12	97.85 5.15%	1,223,095.00 177.08	0.75% (26,354.12)	A1 / A AA-	0.47 0.46

Holdings Report

As of July 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									
78015K7L2	Royal Bank of Canada Note 0.425% Due 1/19/2024	450,000.00	06/22/2021 0.52%	448,911.00 449,801.68	97.85 5.15%	440,314.20 63.75	0.27% (9,487.48)	A1 / A AA-	0.47 0.46
46625HJT8	JP Morgan Chase Note 3.875% Due 2/1/2024	500,000.00	03/28/2019 2.89%	521,940.00 502,284.64	99.13 5.66%	495,666.50 9,687.50	0.31% (6,618.14)	A1 / A- AA-	0.51 0.48
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 1,015,106.29	98.76 6.11%	987,564.00 17,750.00	0.61% (27,542.29)	A2 / A- A	0.51 0.48
89114QCQ9	Toronto Dominion Bank Note 0.55% Due 3/4/2024	1,600,000.00	06/09/2021 0.42%	1,605,504.00 1,601,192.44	96.91 5.94%	1,550,563.20 3,593.33	0.95% (50,629.24)	A1 / A AA-	0.59 0.57
89114QCQ9	Toronto Dominion Bank Note 0.55% Due 3/4/2024	550,000.00	Various 0.49%	550,845.00 550,178.40	96.91 5.94%	533,006.10 1,235.21	0.33% (17,172.30)	A1 / A AA-	0.59 0.57
808513BN4	Charles Schwab Corp Callable Note Cont 2/18/2024 0.75% Due 3/18/2024	110,000.00	03/16/2021 0.77%	109,945.00 109,988.46	96.80 5.99%	106,483.41 304.79	0.07% (3,505.05)	A2 / A- A	0.63 0.61
808513BN4	Charles Schwab Corp Callable Note Cont 2/18/2024 0.75% Due 3/18/2024	295,000.00	03/16/2021 0.77%	294,852.50 294,969.05	96.80 5.99%	285,569.15 817.40	0.17% (9,399.90)	A2 / A- A	0.63 0.61
023135BW5	Amazon.com Inc Note 0.45% Due 5/12/2024	655,000.00	05/10/2021 0.50%	654,043.70 654,751.33	96.15 5.56%	629,784.47 646.81	0.38% (24,966.86)	A1 / AA AA-	0.78 0.76
023135BW5	Amazon.com Inc Note 0.45% Due 5/12/2024	245,000.00	05/10/2021 0.50%	244,642.30 244,906.98	96.15 5.56%	235,568.24 241.94	0.14% (9,338.74)	A1 / AA AA-	0.78 0.76
14913R2L0	Caterpillar Financial Service Note 0.45% Due 5/17/2024	390,000.00	05/10/2021 0.50%	389,477.40 389,861.72	96.11 5.52%	374,818.08 360.75	0.23% (15,043.64)	A2 / A A+	0.80 0.77
14913R2L0	Caterpillar Financial Service Note 0.45% Due 5/17/2024	1,040,000.00	05/10/2021 0.50%	1,038,606.40 1,039,631.26	96.11 5.52%	999,514.88 962.00	0.61% (40,116.38)	A2 / A A+	0.80 0.77
06051GJY6	Bank of America Corp Callable Note Cont 6/14/2023 5.47% Due 6/14/2024	525,000.00	06/07/2021 2.14%	525,035.20 525,010.21	99.88 5.65%	524,354.25 3,829.00	0.32% (655.96)	A1 / A- AA-	0.87 0.12
06051GJY6	Bank of America Corp Callable Note Cont 6/14/2023 5.47% Due 6/14/2024	195,000.00	06/07/2021 2.14%	195,012.80 195,003.71	99.88 5.65%	194,760.15 1,422.20	0.12% (243.56)	A1 / A- AA-	0.87 0.12
06367TQW3	Bank of Montreal Note 0.625% Due 7/9/2024	1,000,000.00	02/09/2022 1.89%	970,360.00 988,433.99	95.34 5.80%	953,374.00 381.94	0.58% (35,059.99)	A2 / A- AA-	0.94 0.91

Holdings Report

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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	105,000.00	06/29/2021 0.64%	104,946.45 104,982.99	95.53 5.49%	100,310.49 29.17	0.06% (4,672.50)	A2 / A+ NR	0.96 0.93
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 59,990.28	95.53 5.49%	57,320.28 16.67	0.03% (2,670.00)	A2 / A+ NR	0.96 0.93
79466LAG9	Salesforce.com Inc Callable Note Cont 7/15/2022 0.625% Due 7/15/2024	615,000.00	Various 0.84%	611,540.85 613,741.19	95.53 5.49%	587,532.87 170.83	0.36% (26,208.32)	A2 / A+ NR	0.96 0.93
78016EZU4	Royal Bank of Canada Note 0.65% Due 7/29/2024	400,000.00	10/06/2021 0.77%	398,680.00 399,532.53	95.14 5.75%	380,545.20 14.44	0.23% (18,987.33)	A1 / A AA-	1.00 0.97
78016EZU4	Royal Bank of Canada Note 0.65% Due 7/29/2024	100,000.00	10/06/2021 0.77%	99,670.00 99,883.13	95.14 5.75%	95,136.30 3.61	0.06% (4,746.83)	A1 / A AA-	1.00 0.97
69371RR40	Paccar Financial Corp Note 0.5% Due 8/9/2024	400,000.00	08/03/2021 0.52%	399,784.00 399,926.29	95.06 5.54%	380,245.60 955.56	0.23% (19,680.69)	A1 / A+ NR	1.03 0.99
69371RR40	Paccar Financial Corp Note 0.5% Due 8/9/2024	450,000.00	Various 0.53%	449,556.00 449,844.16	95.06 5.54%	427,776.30 1,075.00	0.26% (22,067.86)	A1 / A+ NR	1.03 0.99
023135AZ9	Amazon.com Inc Callable Note Cont 6/22/2024 2.8% Due 8/22/2024	575,000.00	06/10/2021 0.57%	615,514.50 588,458.46	97.33 5.43%	559,625.65 7,110.83	0.35% (28,832.81)	A1 / AA AA-	1.06 1.01
023135AZ9	Amazon.com Inc Callable Note Cont 6/22/2024 2.8% Due 8/22/2024	950,000.00	06/10/2021 0.57%	1,016,937.00 972,235.72	97.33 5.43%	924,598.90 11,748.33	0.57% (47,636.82)	A1 / AA AA-	1.06 1.01
023135AZ9	Amazon.com Inc Callable Note Cont 6/22/2024 2.8% Due 8/22/2024	225,000.00	06/10/2021 0.57%	240,853.50 230,266.36	97.33 5.43%	218,983.95 2,782.50	0.14% (11,282.41)	A1 / AA AA-	1.06 1.01
89236TJT3	Toyota Motor Credit Corp Note 1.45% Due 1/13/2025	270,000.00	01/10/2022 1.50%	269,638.20 269,824.71	94.70 5.29%	255,697.83 195.75	0.16% (14,126.88)	A1 / A+ A+	1.46 1.40
89236TJT3	Toyota Motor Credit Corp Note 1.45% Due 1/13/2025	715,000.00	01/10/2022 1.50%	714,041.90 714,535.81	94.70 5.29%	677,125.74 518.38	0.41% (37,410.07)	A1 / A+ A+	1.46 1.40
89236TJT3	Toyota Motor Credit Corp Note 1.45% Due 1/13/2025	455,000.00	01/10/2022 1.50%	454,390.30 454,704.61	94.70 5.29%	430,898.20 329.88	0.26% (23,806.41)	A1 / A+ A+	1.46 1.40
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	94.53 5.52%	945,336.00 444.44	0.58% (54,664.00)	A1 / A AA-	1.48 1.42

Holdings Report

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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									
46625HKC3	JP Morgan Chase Callable Note Cont 10/23/2024 3.125% Due 1/23/2025	375,000.00	02/22/2021 0.92%	406,747.50 387,019.17	96.82 5.39%	363,064.50 260.42	0.22% (23,954.67)	A1 / A- AA-	1.48 1.42
46625HKC3	JP Morgan Chase Callable Note Cont 10/23/2024 3.125% Due 1/23/2025	500,000.00	02/22/2021 0.92%	542,330.00 516,025.56	96.82 5.39%	484,086.00 347.22	0.30% (31,939.56)	A1 / A- AA-	1.48 1.42
00440EAS6	Chubb INA Holdings Inc Note 3.15% Due 3/15/2025	360,000.00	03/25/2021 1.06%	389,037.60 371,879.93	96.64 5.34%	347,913.72 4,284.00	0.21% (23,966.21)	A3 / A A	1.62 1.53
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 1,032,999.81	96.64 5.34%	966,427.00 11,900.00	0.60% (66,572.81)	A3 / A A	1.62 1.53
06051GHR3	Bank of America Corp Callable Note 1X 3/15/2024 3.458% Due 3/15/2025	550,000.00	Various 2.15%	593,740.50 567,913.60	98.40 6.09%	541,189.00 7,184.95	0.33% (26,724.60)	A1 / A- AA-	1.62 0.60
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 1,549,008.43	98.40 6.09%	1,475,970.00 19,595.34	0.91% (73,038.43)	A1 / A- AA-	1.62 0.60
87612EBL9	Target Corp Callable Note Cont 4/15/25 2.25% Due 4/15/2025	800,000.00	01/31/2022 1.76%	812,112.00 806,460.42	95.32 5.15%	762,547.20 5,300.00	0.47% (43,913.22)	A2 / A A	1.71 1.63
87612EBL9	Target Corp Callable Note Cont 4/15/25 2.25% Due 4/15/2025	300,000.00	01/31/2022 1.76%	304,542.00 302,422.66	95.32 5.15%	285,955.20 1,987.50	0.18% (16,467.46)	A2 / A A	1.71 1.63
87612EBL9	Target Corp Callable Note Cont 4/15/25 2.25% Due 4/15/2025	550,000.00	01/31/2022 1.76%	558,327.00 554,441.54	95.32 5.15%	524,251.20 3,643.75	0.32% (30,190.34)	A2 / A A	1.71 1.63
61747YEQ4	Morgan Stanley Callable Note S/A 4/17/2024 3.62% Due 4/17/2025	250,000.00	05/18/2022 4.79%	248,737.50 249,257.70	98.33 6.02%	245,829.25 2,614.44	0.15% (3,428.45)	A1 / A- A+	1.72 0.68
61747YEQ4	Morgan Stanley Callable Note S/A 4/17/2024 3.62% Due 4/17/2025	150,000.00	05/18/2022 4.79%	149,242.50 149,554.62	98.33 6.02%	147,497.55 1,568.67	0.09% (2,057.07)	A1 / A- A+	1.72 0.68
61747YEQ4	Morgan Stanley Callable Note S/A 4/17/2024 3.62% Due 4/17/2025	425,000.00	05/18/2022 4.79%	422,853.75 423,738.09	98.33 6.02%	417,909.73 4,444.56	0.26% (5,828.36)	A1 / A- A+	1.72 0.68
06051GJR1	Bank of America Corp Callable Note Cont 4/22/2024 0.976% Due 4/22/2025	500,000.00	01/20/2022 2.98%	492,645.00 496,086.44	96.19 6.12%	480,955.00 1,342.00	0.29% (15,131.44)	A1 / A- AA-	1.73 1.64

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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									
06367WB85	Bank of Montreal Note 1.85% Due 5/1/2025	450,000.00	Various 0.87%	466,155.00 457,604.79	93.83 5.60%	422,232.30 2,081.25	0.26% (35,372.49)	A2 / A- AA-	1.75 1.67
06367WB85	Bank of Montreal Note 1.85% Due 5/1/2025	1,200,000.00	Various 1.43%	1,220,400.00 1,208,638.12	93.83 5.60%	1,125,952.80 5,550.00	0.69% (82,685.32)	A2 / A- AA-	1.75 1.67
747525AF0	Qualcomm Inc Callable Note Cont 2/20/2025 3.45% Due 5/20/2025	800,000.00	03/09/2022 2.48%	823,608.00 813,322.52	97.08 5.16%	776,676.80 5,443.33	0.48% (36,645.72)	A2 / A NR	1.81 1.71
747525AF0	Qualcomm Inc Callable Note Cont 2/20/2025 3.45% Due 5/20/2025	300,000.00	03/09/2022 2.48%	308,853.00 304,995.95	97.08 5.16%	291,253.80 2,041.25	0.18% (13,742.15)	A2 / A NR	1.81 1.71
747525AF0	Qualcomm Inc Callable Note Cont 2/20/2025 3.45% Due 5/20/2025	500,000.00	03/09/2022 2.48%	514,755.00 508,326.58	97.08 5.16%	485,423.00 3,402.08	0.30% (22,903.58)	A2 / A NR	1.81 1.71
438516CB0	Honeywell Intl Callable Note Cont 5/1/2025 1.35% Due 6/1/2025	500,000.00	03/09/2022 2.32%	485,020.00 491,479.97	93.88 4.88%	469,377.50 1,125.00	0.29% (22,102.47)	A2 / A A	1.84 1.77
438516CB0	Honeywell Intl Callable Note Cont 5/1/2025 1.35% Due 6/1/2025	300,000.00	03/09/2022 2.32%	291,012.00 294,887.98	93.88 4.88%	281,626.50 675.00	0.17% (13,261.48)	A2 / A A	1.84 1.77
438516CB0	Honeywell Intl Callable Note Cont 5/1/2025 1.35% Due 6/1/2025	800,000.00	03/09/2022 2.32%	776,032.00 786,367.95	93.88 4.88%	751,004.00 1,800.00	0.46% (35,363.95)	A2 / A A	1.84 1.77
06406RBF3	Bank of NY Mellon Corp Callable Note Cont 6/13/2024 3.43% Due 6/13/2025	470,000.00	06/08/2022 4.25%	470,000.00 470,000.00	97.86 5.87%	459,951.40 2,149.47	0.28% (10,048.60)	A1 / A AA-	1.87 1.76
46647PCK0	JP Morgan Chase & Co Callable Note Cont 6/23/2024 0.969% Due 6/23/2025	400,000.00	07/16/2021 2.17%	400,576.00 400,277.96	95.49 5.99%	381,958.40 409.13	0.23% (18,319.56)	A1 / A- AA-	1.90 1.81
46647PCK0	JP Morgan Chase & Co Callable Note Cont 6/23/2024 0.969% Due 6/23/2025	150,000.00	07/16/2021 2.17%	150,216.00 150,104.23	95.49 5.99%	143,234.40 153.43	0.09% (6,869.83)	A1 / A- AA-	1.90 1.81
46647PCK0	JP Morgan Chase & Co Callable Note Cont 6/23/2024 0.969% Due 6/23/2025	1,000,000.00	01/24/2022 2.94%	982,210.00 990,103.95	95.49 5.99%	954,896.00 1,022.83	0.58% (35,207.95)	A1 / A- AA-	1.90 1.81

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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									
89236TKC8	Toyota Motor Credit Corp Note 3.95% Due 6/30/2025	325,000.00	07/15/2022 3.75%	326,820.00 326,181.23	97.83 5.15%	317,956.60 1,105.45	0.19% (8,224.63)	A1 / A+ A+	1.92 1.81
69371RR99	Paccar Financial Corp Note 3.55% Due 8/11/2025	800,000.00	08/03/2022 3.51%	801,016.00 800,686.91	97.00 5.13%	775,988.00 13,411.11	0.48% (24,698.91)	A1 / A+ NR	2.03 1.89
69371RR99	Paccar Financial Corp Note 3.55% Due 8/11/2025	800,000.00	08/03/2022 3.51%	801,016.00 800,686.91	97.00 5.13%	775,988.00 13,411.11	0.48% (24,698.91)	A1 / A+ NR	2.03 1.89
24422EWJ4	John Deere Capital Corp Note 4.05% Due 9/8/2025	350,000.00	09/08/2022 3.99%	350,574.00 350,404.22	97.80 5.16%	342,306.65 5,630.63	0.21% (8,097.57)	A2 / A A+	2.11 1.95
6174468R3	Morgan Stanley Callable Note Cont 10/21/24 0.864% Due 10/21/2025	500,000.00	08/11/2022 4.82%	465,355.00 475,811.06	93.83 6.08%	469,149.00 1,200.00	0.29% (6,662.06)	A1 / A- A+	2.23 2.12
63743HFF4	National Rural Utilities Note 5.45% Due 10/30/2025	350,000.00	10/21/2022 5.44%	350,080.50 350,060.36	100.28 5.31%	350,974.75 4,821.74	0.22% 914.39	A2 / A- A	2.25 2.07
89115A2K7	Toronto-Dominion Bank Note 5.103% Due 1/9/2026	280,000.00	07/07/2023 5.26%	278,958.40 278,982.36	99.70 5.23%	279,170.08 873.18	0.17% 187.72	A1 / A AA-	2.45 2.26
06051GHY8	Bank of America Corp Callable Note Cont 2/13/2025 2.015% Due 2/13/2026	300,000.00	08/11/2022 4.95%	283,263.00 287,859.78	94.41 5.87%	283,242.90 2,821.00	0.17% (4,616.88)	A1 / A- AA-	2.54 1.46
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%	494,880.00 495,101.35	99.06 4.81%	495,279.00 4,511.81	0.30% 177.65	A1 / A A+	2.79 2.57
61747YET8	Morgan Stanley Callable Note Cont 7/17/2025 4.679% Due 7/17/2026	300,000.00	Various 5.09%	301,673.10 301,263.00	98.03 5.75%	294,084.31 545.89	0.18% (7,178.69)	A1 / A- A+	2.96 1.84
61747YET8	Morgan Stanley Callable Note Cont 7/17/2025 4.679% Due 7/17/2026	800,000.00	Various 5.09%	804,410.90 803,329.74	98.03 5.75%	784,224.81 1,455.69	0.48% (19,104.93)	A1 / A- A+	2.96 1.84
Total Corporate		**38,920,000.00**	**1.87%**	**39,484,395.30** **39,084,988.28**	**5.53%**	**37,641,355.96** **213,252.73**	**23.06%** **(1,443,632.32)**	**A1 / A** **A+**	**1.35** **1.16**
MONEY MARKET FUND									
192826303	Fidelity Institutional Govt Portfolio	97,995.70	Various 5.11%	97,995.70 97,995.70	1.00 5.11%	97,995.70 0.00	0.06% 0.00	Aaa / AAA NR	0.00 0.00

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MONEY MARKET FUND									
192826303	Fidelity Institutional Govt Portfolio	86,093.47	Various 5.11%	86,093.47 86,093.47	1.00 5.11%	86,093.47 0.00	0.05% 0.00	Aaa / AAA NR	0.00 0.00
192826303	Fidelity Institutional Govt Portfolio	56,958.92	Various 5.11%	56,958.92 56,958.92	1.00 5.11%	56,958.92 0.00	0.03% 0.00	Aaa / AAA NR	0.00 0.00
Total Money Market Fund		**241,048.09**	**5.11%**	**241,048.09** **241,048.09**	**5.11%**	**241,048.09** **0.00**	**0.15%** **0.00**	**Aaa / AAA** **NR**	**0.00** **0.00**
SUPRANATIONAL									
4581X0CC0	Inter-American Dev Bank Note 3% Due 10/4/2023	1,000,000.00	06/10/2021 0.23%	1,063,630.00 1,004,836.48	99.57 5.44%	995,674.00 9,750.00	0.61% (9,162.48)	Aaa / NR AAA	0.18 0.17
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 1,013,714.66	98.06 5.66%	980,596.00 9,166.67	0.60% (33,118.66)	Aaa / AAA AAA	0.64 0.61
4581X0DZ8	Inter-American Dev Bank Note 0.5% Due 9/23/2024	350,000.00	10/06/2021 0.58%	349,230.00 349,701.54	94.55 5.47%	330,938.65 622.22	0.20% (18,762.89)	Aaa / AAA NR	1.15 1.11
4581X0DZ8	Inter-American Dev Bank Note 0.5% Due 9/23/2024	3,000,000.00	Various 0.77%	2,977,709.00 2,990,790.37	94.55 5.47%	2,836,617.00 5,333.33	1.73% (154,173.37)	Aaa / AAA NR	1.15 1.11
4581X0DZ8	Inter-American Dev Bank Note 0.5% Due 9/23/2024	1,100,000.00	Various 0.67%	1,094,861.00 1,097,908.98	94.55 5.47%	1,040,092.90 1,955.56	0.63% (57,816.08)	Aaa / AAA NR	1.15 1.11
45950KCR9	International Finance Corp Note 1.375% Due 10/16/2024	2,000,000.00	Various 0.47%	2,060,490.00 2,021,703.67	95.34 5.41%	1,906,708.00 8,020.84	1.17% (114,995.67)	Aaa / AAA NR	1.21 1.17
45950KCR9	International Finance Corp Note 1.375% Due 10/16/2024	300,000.00	08/10/2021 0.53%	307,999.16 303,045.33	95.34 5.41%	286,006.20 1,203.13	0.17% (17,039.13)	Aaa / AAA NR	1.21 1.17
45950KCR9	International Finance Corp Note 1.375% Due 10/16/2024	800,000.00	08/10/2021 0.53%	821,331.84 808,121.16	95.34 5.41%	762,683.20 3,208.33	0.47% (45,437.96)	Aaa / AAA NR	1.21 1.17
459058JL8	Intl. Bank Recon & Development Note 0.5% Due 10/28/2025	3,000,000.00	Various 0.89%	2,955,901.00 2,974,552.38	90.89 4.84%	2,726,691.00 3,874.99	1.66% (247,861.38)	Aaa / AAA AAA	2.25 2.18
459058JL8	Intl. Bank Recon & Development Note 0.5% Due 10/28/2025	1,255,000.00	Various 0.92%	1,234,726.85 1,243,324.72	90.89 4.84%	1,140,665.74 1,621.04	0.70% (102,658.98)	Aaa / AAA AAA	2.25 2.18
459058KT9	Intl. Bank Recon & Development Note 3.5% Due 7/12/2028	350,000.00	07/07/2023 4.49%	334,649.00 334,817.05	96.40 4.32%	337,396.85 646.53	0.21% 2,579.80	Aaa / AAA NR	4.95 4.47
459058KT9	Intl. Bank Recon & Development Note 3.5% Due 7/12/2028	950,000.00	07/07/2023 4.49%	908,333.00 908,789.12	96.40 4.32%	915,791.45 1,754.86	0.56% 7,002.33	Aaa / AAA NR	4.95 4.47

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SUPRANATIONAL									
45950KDD9	International Finance Corp Note 4.5% Due 7/13/2028	740,000.00	07/06/2023 4.53%	739,178.60 739,187.14	100.74 4.33%	745,461.94 1,665.00	0.46% 6,274.80	Aaa / AAA NR	4.96 4.39
45950KDD9	International Finance Corp Note 4.5% Due 7/13/2028	280,000.00	07/06/2023 4.53%	279,689.20 279,692.43	100.74 4.33%	282,066.68 630.00	0.17% 2,374.25	Aaa / AAA NR	4.96 4.39
Total Supranational		**16,125,000.00**	**1.20%**	**16,187,930.65** **16,070,185.03**	**5.14%**	**15,287,389.61** **49,452.50**	**9.34%** **(782,795.42)**	**Aaa / AAA** **AAA**	**1.91** **1.79**
US TREASURY									
91282CCU3	US Treasury Note 0.125% Due 8/31/2023	500,000.00	09/02/2021 0.21%	499,121.09 499,963.73	99.57 5.23%	497,857.00 261.55	0.30% (2,106.73)	Aaa / AA+ AAA	0.08 0.08
912828T26	US Treasury Note 1.375% Due 9/30/2023	730,000.00	06/14/2021 0.20%	749,647.27 731,408.41	99.35 5.30%	725,238.21 3,373.26	0.44% (6,170.20)	Aaa / AA+ AAA	0.17 0.17
9128285K2	US Treasury Note 2.875% Due 10/31/2023	1,500,000.00	06/13/2022 2.97%	1,498,066.40 1,499,650.88	99.38 5.37%	1,490,625.00 10,898.44	0.91% (9,025.88)	Aaa / AA+ AAA	0.25 0.25
912828WE6	US Treasury Note 2.75% Due 11/15/2023	400,000.00	02/23/2021 0.18%	427,937.50 402,979.25	99.25 5.34%	397,000.00 2,331.52	0.24% (5,979.25)	Aaa / AA+ AAA	0.29 0.29
912828WE6	US Treasury Note 2.75% Due 11/15/2023	1,650,000.00	Various 0.93%	1,732,458.99 1,658,661.31	99.25 5.34%	1,637,625.00 9,617.53	1.00% (21,036.31)	Aaa / AA+ AAA	0.29 0.29
91282CDM0	US Treasury Note 0.5% Due 11/30/2023	600,000.00	01/18/2022 1.00%	594,445.31 599,011.59	98.40 5.39%	590,390.40 508.20	0.36% (8,621.19)	Aaa / AA+ AAA	0.33 0.33
91282CBA8	US Treasury Note 0.125% Due 12/15/2023	1,500,000.00	12/28/2020 0.18%	1,497,597.66 1,499,697.76	98.10 5.30%	1,471,524.00 240.78	0.90% (28,173.76)	Aaa / AA+ AAA	0.38 0.37
91282CBA8	US Treasury Note 0.125% Due 12/15/2023	1,000,000.00	06/14/2021 0.23%	997,304.69 999,598.51	98.10 5.30%	981,016.00 160.52	0.60% (18,582.51)	Aaa / AA+ AAA	0.38 0.37
91282CBE0	US Treasury Note 0.125% Due 1/15/2024	1,500,000.00	05/24/2021 0.25%	1,494,960.94 1,499,127.96	97.69 5.30%	1,465,371.00 86.62	0.89% (33,756.96)	Aaa / AA+ AAA	0.46 0.45
912828V80	US Treasury Note 2.25% Due 1/31/2024	600,000.00	03/03/2020 0.72%	635,273.44 604,520.34	98.45 5.43%	590,718.60 36.68	0.36% (13,801.74)	Aaa / AA+ AAA	0.50 0.49
912828V80	US Treasury Note 2.25% Due 1/31/2024	1,500,000.00	03/03/2020 0.72%	1,588,183.59 1,511,300.84	98.45 5.43%	1,476,796.50 91.71	0.90% (34,504.34)	Aaa / AA+ AAA	0.50 0.49
91282CDV0	US Treasury Note 0.875% Due 1/31/2024	500,000.00	02/14/2022 1.59%	493,125.00 498,240.38	97.80 5.40%	488,984.50 11.89	0.30% (9,255.88)	Aaa / AA+ AAA	0.50 0.49

Tampa Bay Water Consolidated

Account #10504

Holdings Report

As of July 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									
912796Z28	US Treasury Bill 4.79% Due 2/22/2024	800,000.00	03/03/2023 5.03%	762,425.11 777,941.49	97.24 5.03%	777,941.49 0.00	0.47% 0.00	P-1 / A-1+ F-1+	0.56 0.55
912828W48	US Treasury Note 2.125% Due 2/29/2024	1,250,000.00	04/15/2019 2.37%	1,236,035.16 1,248,336.77	98.14 5.40%	1,226,757.50 11,115.83	0.75% (21,579.27)	Aaa / AA+ AAA	0.58 0.56
912828W48	US Treasury Note 2.125% Due 2/29/2024	600,000.00	Various 2.45%	594,003.91 598,929.21	98.14 5.40%	588,843.60 5,335.60	0.36% (10,085.61)	Aaa / AA+ AAA	0.58 0.56
91282CBR1	US Treasury Note 0.25% Due 3/15/2024	1,000,000.00	05/27/2021 0.26%	999,804.69 999,956.62	96.89 5.38%	968,867.00 944.29	0.59% (31,089.62)	Aaa / AA+ AAA	0.62 0.61
91282CEG2	US Treasury Note 2.25% Due 3/31/2024	800,000.00	04/28/2022 2.63%	794,406.25 798,063.70	97.96 5.39%	783,718.40 6,049.18	0.48% (14,345.30)	Aaa / AA+ AAA	0.67 0.64
912796CX5	US Treasury Bill 4.614% Due 4/18/2024	1,100,000.00	05/01/2023 4.84%	1,050,371.72 1,062,923.16	96.63 4.84%	1,062,923.16 0.00	0.65% 0.00	P-1 / A-1+ F-1+	0.72 0.70
912828X70	US Treasury Note 2% Due 4/30/2024	600,000.00	05/30/2019 2.09%	597,609.38 599,636.62	97.53 5.40%	585,187.80 3,032.61	0.36% (14,448.82)	Aaa / AA+ AAA	0.75 0.73
912828X70	US Treasury Note 2% Due 4/30/2024	1,250,000.00	11/14/2019 1.64%	1,269,384.77 1,253,250.64	97.53 5.40%	1,219,141.25 6,317.93	0.75% (34,109.39)	Aaa / AA+ AAA	0.75 0.73
91282CEK3	US Treasury Note 2.5% Due 4/30/2024	1,000,000.00	06/10/2022 2.94%	991,953.13 996,802.34	97.86 5.45%	978,594.00 6,317.93	0.60% (18,208.34)	Aaa / AA+ AAA	0.75 0.72
91282CCC3	US Treasury Note 0.25% Due 5/15/2024	1,000,000.00	05/27/2021 0.31%	998,359.38 999,563.71	96.03 5.45%	960,313.00 529.89	0.59% (39,250.71)	Aaa / AA+ AAA	0.79 0.77
91282CCC3	US Treasury Note 0.25% Due 5/15/2024	1,600,000.00	01/18/2022 1.16%	1,566,750.00 1,588,694.21	96.03 5.45%	1,536,500.80 847.83	0.94% (52,193.41)	Aaa / AA+ AAA	0.79 0.77
91282CER8	US Treasury Note 2.5% Due 5/31/2024	1,000,000.00	06/01/2022 2.67%	996,796.88 998,664.27	97.62 5.45%	976,211.00 4,234.97	0.60% (22,453.27)	Aaa / AA+ AAA	0.84 0.81
91282CER8	US Treasury Note 2.5% Due 5/31/2024	500,000.00	06/01/2022 2.67%	498,398.43 499,332.13	97.62 5.45%	488,105.50 2,117.49	0.30% (11,226.63)	Aaa / AA+ AAA	0.84 0.81
91282CER8	US Treasury Note 2.5% Due 5/31/2024	600,000.00	Various 2.84%	596,070.31 598,342.80	97.62 5.45%	585,726.60 2,540.98	0.36% (12,616.20)	Aaa / AA+ AAA	0.84 0.81
91282CCG4	US Treasury Note 0.25% Due 6/15/2024	1,000,000.00	06/09/2021 0.31%	998,125.00 999,454.27	95.68 5.38%	956,758.00 321.04	0.58% (42,696.27)	Aaa / AA+ AAA	0.88 0.85
912828XX3	US Treasury Note 2% Due 6/30/2024	1,300,000.00	03/30/2021 0.42%	1,366,371.09 1,318,675.61	96.98 5.42%	1,260,746.50 2,260.87	0.77% (57,929.11)	Aaa / AA+ AAA	0.92 0.89

Holdings Report

As of July 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									
912828XX3	US Treasury Note 2% Due 6/30/2024	600,000.00	Various 1.10%	619,482.42 604,903.20	96.98 5.42%	581,883.00 1,043.48	0.36% (23,020.20)	Aaa / AA+ AAA	0.92 0.89
91282CEX5	US Treasury Note 3% Due 6/30/2024	300,000.00	06/28/2022 3.11%	299,343.75 299,700.15	97.85 5.44%	293,543.10 782.61	0.18% (6,157.05)	Aaa / AA+ AAA	0.92 0.88
91282CEX5	US Treasury Note 3% Due 6/30/2024	900,000.00	06/28/2022 3.11%	898,031.25 899,100.46	97.85 5.44%	880,629.30 2,347.83	0.54% (18,471.16)	Aaa / AA+ AAA	0.92 0.88
91282CEX5	US Treasury Note 3% Due 6/30/2024	900,000.00	Various 3.11%	898,031.25 899,100.47	97.85 5.44%	880,629.30 2,347.83	0.54% (18,471.17)	Aaa / AA+ AAA	0.92 0.88
91282CCL3	US Treasury Note 0.375% Due 7/15/2024	750,000.00	Various 0.39%	749,574.22 749,866.40	95.39 5.38%	715,429.50 129.92	0.44% (34,436.90)	Aaa / AA+ AAA	0.96 0.93
91282CFA4	US Treasury Note 3% Due 7/31/2024	500,000.00	08/04/2022 3.01%	499,882.81 499,941.08	97.70 5.39%	488,496.00 40.76	0.30% (11,445.08)	Aaa / AA+ AAA	1.00 0.97
91282CCX7	US Treasury Note 0.375% Due 9/15/2024	500,000.00	10/07/2021 0.56%	497,304.69 498,967.59	94.62 5.37%	473,105.50 708.22	0.29% (25,862.09)	Aaa / AA+ AAA	1.13 1.09
91282CCX7	US Treasury Note 0.375% Due 9/15/2024	300,000.00	10/07/2021 0.56%	298,382.81 299,380.55	94.62 5.37%	283,863.30 424.93	0.17% (15,517.25)	Aaa / AA+ AAA	1.13 1.09
912828YH7	US Treasury Note 1.5% Due 9/30/2024	250,000.00	10/13/2021 0.61%	256,484.38 252,553.00	95.72 5.33%	239,297.00 1,260.25	0.15% (13,256.00)	Aaa / AA+ AAA	1.17 1.13
912828YH7	US Treasury Note 1.5% Due 9/30/2024	1,100,000.00	10/13/2021 0.61%	1,128,531.25 1,111,233.19	95.72 5.33%	1,052,906.80 5,545.08	0.64% (58,326.39)	Aaa / AA+ AAA	1.17 1.13
9128283D0	US Treasury Note 2.25% Due 10/31/2024	1,500,000.00	06/13/2022 3.29%	1,464,726.56 1,481,471.31	96.35 5.31%	1,445,215.50 8,529.21	0.89% (36,255.81)	Aaa / AA+ AAA	1.25 1.20
912828YY0	US Treasury Note 1.75% Due 12/31/2024	550,000.00	Various 1.11%	563,173.83 554,837.00	95.30 5.24%	524,154.40 836.96	0.32% (30,682.60)	Aaa / AA+ AAA	1.42 1.37
912828YY0	US Treasury Note 1.75% Due 12/31/2024	1,600,000.00	Various 1.11%	1,638,609.38 1,614,247.94	95.30 5.24%	1,524,812.80 2,434.78	0.93% (89,435.14)	Aaa / AA+ AAA	1.42 1.37
91282CGD7	US Treasury Note 4.25% Due 12/31/2024	1,000,000.00	01/12/2023 4.15%	1,001,796.88 1,001,303.62	98.68 5.23%	986,758.00 3,695.65	0.60% (14,545.62)	Aaa / AA+ AAA	1.42 1.35
91282CDS7	US Treasury Note 1.125% Due 1/15/2025	700,000.00	01/20/2022 1.33%	695,843.75 697,967.63	94.33 5.22%	660,296.70 363.79	0.40% (37,670.93)	Aaa / AA+ AAA	1.46 1.41
91282CDS7	US Treasury Note 1.125% Due 1/15/2025	250,000.00	04/12/2022 2.60%	240,263.67 244,851.72	94.33 5.22%	235,820.25 129.93	0.14% (9,031.47)	Aaa / AA+ AAA	1.46 1.41

Holdings Report

As of July 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									
912828Z52	US Treasury Note 1.375% Due 1/31/2025	550,000.00	01/27/2021 0.28%	574,019.53 559,007.32	94.57 5.18%	520,136.65 20.55	0.32% (38,870.67)	Aaa / AA+ AAA	1.51 1.45
912828Z52	US Treasury Note 1.375% Due 1/31/2025	790,000.00	01/27/2021 0.28%	824,500.78 802,937.79	94.57 5.18%	747,105.37 29.52	0.46% (55,832.42)	Aaa / AA+ AAA	1.51 1.45
912828Z52	US Treasury Note 1.375% Due 1/31/2025	750,000.00	Various 2.61%	724,894.53 736,626.64	94.57 5.18%	709,277.25 28.02	0.43% (27,349.39)	Aaa / AA+ AAA	1.51 1.45
91282CDZ1	US Treasury Note 1.5% Due 2/15/2025	1,000,000.00	Various 1.92%	988,222.66 993,691.22	94.63 5.17%	946,328.00 6,919.89	0.58% (47,363.22)	Aaa / AA+ AAA	1.55 1.48
91282CDZ1	US Treasury Note 1.5% Due 2/15/2025	1,600,000.00	Various 2.50%	1,555,968.75 1,576,310.93	94.63 5.17%	1,514,124.80 11,071.82	0.93% (62,186.13)	Aaa / AA+ AAA	1.55 1.48
91282CDZ1	US Treasury Note 1.5% Due 2/15/2025	600,000.00	Various 2.48%	583,771.49 591,283.61	94.63 5.17%	567,796.80 4,151.93	0.35% (23,486.81)	Aaa / AA+ AAA	1.55 1.48
91282CED9	US Treasury Note 1.75% Due 3/15/2025	600,000.00	Various 2.64%	584,953.13 591,717.30	94.81 5.12%	568,875.00 3,966.03	0.35% (22,842.30)	Aaa / AA+ AAA	1.62 1.56
91282CED9	US Treasury Note 1.75% Due 3/15/2025	2,000,000.00	Various 2.39%	1,963,703.13 1,980,078.90	94.81 5.12%	1,896,250.00 13,220.10	1.16% (83,828.90)	Aaa / AA+ AAA	1.62 1.56
91282CED9	US Treasury Note 1.75% Due 3/15/2025	1,000,000.00	Various 2.46%	979,785.16 988,953.16	94.81 5.12%	948,125.00 6,610.05	0.58% (40,828.16)	Aaa / AA+ AAA	1.62 1.56
912828ZL7	US Treasury Note 0.375% Due 4/30/2025	1,700,000.00	Various 0.67%	1,681,007.82 1,691,348.73	92.29 5.03%	1,568,981.00 1,611.07	0.96% (122,367.73)	Aaa / AA+ AAA	1.75 1.70
912828ZL7	US Treasury Note 0.375% Due 4/30/2025	550,000.00	Various 0.67%	543,837.90 547,189.88	92.29 5.03%	507,611.50 521.23	0.31% (39,578.38)	Aaa / AA+ AAA	1.75 1.70
91282CEQ0	US Treasury Note 2.75% Due 5/15/2025	275,000.00	05/23/2022 2.80%	274,645.51 274,787.05	96.16 5.02%	264,429.83 1,602.92	0.16% (10,357.22)	Aaa / AA+ AAA	1.79 1.71
91282CEQ0	US Treasury Note 2.75% Due 5/15/2025	850,000.00	05/23/2022 2.80%	848,904.30 849,341.77	96.16 5.02%	817,328.55 4,954.48	0.50% (32,013.22)	Aaa / AA+ AAA	1.79 1.71
91282CEY3	US Treasury Note 3% Due 7/15/2025	400,000.00	07/13/2022 3.15%	398,343.75 398,921.02	96.44 4.93%	385,765.60 554.35	0.24% (13,155.42)	Aaa / AA+ AAA	1.96 1.87
91282CEY3	US Treasury Note 3% Due 7/15/2025	1,000,000.00	07/13/2022 3.15%	995,859.38 997,302.55	96.44 4.93%	964,414.00 1,385.87	0.59% (32,888.55)	Aaa / AA+ AAA	1.96 1.87
91282CEY3	US Treasury Note 3% Due 7/15/2025	475,000.00	07/19/2022 3.18%	472,569.34 473,409.27	96.44 4.93%	458,096.65 658.29	0.28% (15,312.62)	Aaa / AA+ AAA	1.96 1.87

Holdings Report

As of July 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									
91282CFE6	US Treasury Note 3.125% Due 8/15/2025	1,700,000.00	09/08/2022 3.54%	1,680,476.56 1,686,419.27	96.62 4.88%	1,642,558.70 24,507.94	1.02% (43,860.57)	Aaa / AA+ AAA	2.04 1.92
91282CFE6	US Treasury Note 3.125% Due 8/15/2025	375,000.00	09/08/2022 3.54%	370,693.36 372,004.25	96.62 4.88%	362,329.13 5,406.16	0.22% (9,675.12)	Aaa / AA+ AAA	2.04 1.92
91282CFK2	US Treasury Note 3.5% Due 9/15/2025	450,000.00	09/19/2022 3.90%	444,937.50 446,399.18	97.30 4.85%	437,871.15 5,949.05	0.27% (8,528.03)	Aaa / AA+ AAA	2.13 1.99
91282CFP1	US Treasury Note 4.25% Due 10/15/2025	500,000.00	10/19/2022 4.55%	495,859.38 496,941.03	98.85 4.80%	494,258.00 6,270.49	0.30% (2,683.03)	Aaa / AA+ AAA	2.21 2.06
91282CFP1	US Treasury Note 4.25% Due 10/15/2025	1,500,000.00	10/19/2022 4.55%	1,487,578.13 1,490,823.07	98.85 4.80%	1,482,774.00 18,811.48	0.91% (8,049.07)	Aaa / AA+ AAA	2.21 2.06
91282CFP1	US Treasury Note 4.25% Due 10/15/2025	1,050,000.00	Various 4.34%	1,047,398.44 1,048,144.44	98.85 4.80%	1,037,941.80 13,168.03	0.64% (10,202.64)	Aaa / AA+ AAA	2.21 2.06
91282CFW6	US Treasury Note 4.5% Due 11/15/2025	1,400,000.00	11/10/2022 4.27%	1,409,132.81 1,406,974.60	99.41 4.77%	1,391,797.40 13,353.26	0.86% (15,177.20)	Aaa / AA+ AAA	2.30 2.13
91282CGA3	US Treasury Note 4% Due 12/15/2025	500,000.00	12/29/2022 4.18%	497,578.13 498,050.36	98.37 4.73%	491,855.50 2,568.31	0.30% (6,194.86)	Aaa / AA+ AAA	2.38 2.22
91282CGE5	US Treasury Note 3.875% Due 1/15/2026	700,000.00	01/20/2023 3.83%	700,792.97 700,654.49	98.11 4.70%	686,738.50 1,253.06	0.42% (13,915.99)	Aaa / AA+ AAA	2.46 2.31
91282CGE5	US Treasury Note 3.875% Due 1/15/2026	1,600,000.00	01/20/2023 3.83%	1,601,812.50 1,601,495.98	98.11 4.70%	1,569,688.00 2,864.13	0.96% (31,807.98)	Aaa / AA+ AAA	2.46 2.31
91282CGL9	US Treasury Note 4% Due 2/15/2026	1,000,000.00	02/08/2023 4.09%	997,460.94 997,847.82	98.43 4.66%	984,297.00 18,453.04	0.61% (13,550.82)	Aaa / AA+ AAA	2.55 2.34
91282CGL9	US Treasury Note 4% Due 2/15/2026	1,500,000.00	02/15/2023 4.34%	1,485,644.53 1,487,820.79	98.43 4.66%	1,476,445.50 27,679.56	0.92% (11,375.29)	Aaa / AA+ AAA	2.55 2.34
91282CHB0	US Treasury Note 3.625% Due 5/15/2026	1,150,000.00	05/16/2023 3.71%	1,147,259.77 1,147,450.13	97.55 4.57%	1,121,879.05 8,835.94	0.69% (25,571.08)	Aaa / AA+ AAA	2.79 2.60
91282CEF4	US Treasury Note 2.5% Due 3/31/2027	900,000.00	02/15/2023 4.16%	843,890.63 850,083.55	93.77 4.36%	843,890.40 7,561.48	0.52% (6,193.15)	Aaa / AA+ AAA	3.67 3.42
91282CEF4	US Treasury Note 2.5% Due 3/31/2027	1,400,000.00	02/15/2023 4.16%	1,312,718.75 1,322,352.19	93.77 4.36%	1,312,718.40 11,762.30	0.81% (9,633.79)	Aaa / AA+ AAA	3.67 3.42
91282CFZ9	US Treasury Note 3.875% Due 11/30/2027	1,650,000.00	12/05/2022 3.81%	1,655,156.25 1,654,481.97	98.46 4.27%	1,624,604.85 10,830.94	1.00% (29,877.12)	Aaa / AA+ AAA	4.34 3.92

Holdings Report

As of July 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									
91282CFZ9	US Treasury Note 3.875% Due 11/30/2027	670,000.00	12/06/2022 3.77%	673,245.31 672,825.58	98.46 4.27%	659,688.03 4,398.02	0.40% (13,137.55)	Aaa / AA+ AAA	4.34 3.92
91282CGC9	US Treasury Note 3.875% Due 12/31/2027	600,000.00	01/20/2023 3.56%	608,460.94 607,569.33	98.48 4.26%	590,859.60 2,021.74	0.36% (16,709.73)	Aaa / AA+ AAA	4.42 4.00
91282CGC9	US Treasury Note 3.875% Due 12/31/2027	1,500,000.00	01/20/2023 3.56%	1,521,152.34 1,518,923.31	98.48 4.26%	1,477,149.00 5,054.35	0.90% (41,774.31)	Aaa / AA+ AAA	4.42 4.00
91282CGH8	US Treasury Note 3.5% Due 1/31/2028	1,700,000.00	05/18/2023 3.68%	1,686,785.16 1,687,332.25	97.00 4.24%	1,648,933.70 161.68	1.00% (38,398.55)	Aaa / AA+ AAA	4.51 4.11
91282CHA2	US Treasury Note 3.5% Due 4/30/2028	1,800,000.00	05/12/2023 3.44%	1,805,062.50 1,804,844.58	97.00 4.20%	1,745,929.80 15,921.20	1.07% (58,914.78)	Aaa / AA+ AAA	4.75 4.28
91282CHA2	US Treasury Note 3.5% Due 4/30/2028	600,000.00	05/12/2023 3.44%	601,687.50 601,614.86	97.00 4.20%	581,976.60 5,307.07	0.36% (19,638.26)	Aaa / AA+ AAA	4.75 4.28
Total US Treasury		**77,465,000.00**	**2.43%**	**77,344,221.55** **77,206,113.99**	**5.04%**	**75,087,152.37** **379,651.72**	**45.98%** **(2,118,961.62)**	**Aaa / AA+** **AAA**	**1.70** **1.59**
TOTAL PORTFOLIO		**168,776,048.09**	**2.19%**	**169,544,672.59** **168,710,913.94**	**5.17%**	**163,241,138.64** **890,096.78**	**100.00%** **(5,469,775.30)**	**Aa1 / AA** **AAA**	**1.62** **1.49**
TOTAL MARKET VALUE PLUS ACCRUED						**164,131,235.42**			

CHANDLER ASSET MANAGEMENT

BOND MARKET REVIEW

A Monthly Review of Fixed Income Markets

JULY 2023

Market Data

World Stock Market Indices
data as of 06/30/2023

	Change (05/31/2023)	%CHG
S&P 500		
4,450.38	270.55	6.47%
NASDAQ		
13,787.92	852.63	6.59%
DOW JONES		
34,407.60	1,499.33	4.56%
FTSE (UK)		
7,531.53	85.39	1.15%
DAX (Germany)		
16,147.90	483.88	3.09%
Hang Seng (Hong Kong)		
18,916.43	682.16	3.74%
Nikkei (Japan)		
33,189.04	2,301.16	7.45%

Source: Bloomberg. Please see descriptions of indices on Page 2.

CHANDLER ASSET MANAGEMENT

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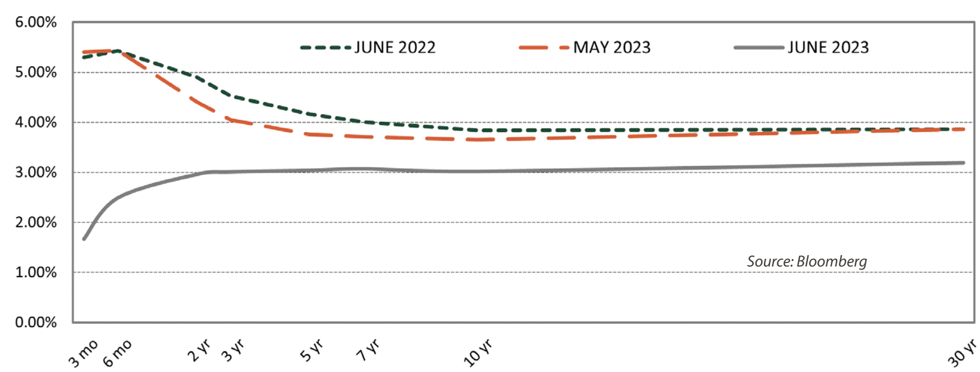
Market Summary

Recent economic data continues to suggest positive but below trend growth this year. Although the pace of job growth is moderating, labor markets remain solid, and the U.S. consumer has demonstrated resiliency. Inflationary trends are subsiding, but core levels remain well above the Fed's 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.

At the June meeting, the Federal Open Market Committee paused in their rate hiking campaign after ten straight rate increases and left the target Federal Funds rate in the current range of 5.00 - 5.25%. Market participants viewed the FOMC's decision as a 'hawkish' pause, expecting further tightening in the future, primarily based on the updated release of the FOMC's Summary of Economic Projections (SEP) forecast which reflected a stronger economic outlook and higher rates compared to the March forecast. We believe the resiliency of future economic data will determine if the Federal Reserve can stay on hold for a period of time or will be forced to tighten policy further to bring inflation back down towards their 2% policy objective.

In June, yields increased across the curve as Federal Reserve officials reiterated the need to raise the federal funds rate at their next meeting. The 2-year Treasury yield rose by 49 basis points to 4.90%, the 5-year Treasury yield increased by 40 basis points to 4.16%, and the 10-year Treasury yield rose by 19 basis points to 3.84%. The inversion between the 2-year Treasury yield and the 10-year Treasury yield increased to -106 basis points at the end of June, compared to -76 basis points at the end of May.

Treasury Yields Increased Across the Curve in June



The Treasury yield curve remains inverted, with the inversion between the 2-year Treasury yield and the 10-year Treasury yield increasing to -106 basis points at the end of June, compared to -76 basis points at the end of May. One year ago, the spread between the 2-year Treasury and the 10-year Treasury yield was +5 basis points. Additionally, the inversion between the 3-month and 10-year Treasuries tightened to -145 basis points in June from -174 in May. The shape of the yield curve continues to indicate a high probability of recession, although the timing remains uncertain, especially given the recent economic data, particularly the strong labor market.

TREASURY YIELDS	Trend (▲/▼)	06/30/2023	05/31/2023	Change
3-Month	▼	5.30	5.40	-0.11
2-Year	▲	4.90	4.41	0.50
3-Year	▲	4.53	4.05	0.48
5-Year	▲	4.16	3.76	0.40
7-Year	▲	4.00	3.71	0.29
10-Year	▲	3.84	3.65	0.19
30-Year	-	3.86	3.86	0.00

Source: Bloomberg

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 were Tighter in June

CREDIT SPREADS	Spread to Treasuries (%)	One Month Ago (%)	Change
3-month top rated commercial paper	0.13	0.04	0.09
2-year A corporate note	0.32	0.56	(0.24)
5-year A corporate note	0.70	0.96	(0.26)
5-year Agency note	(0.12)	0.13	(0.25)

Source: Bloomberg

Data as of 06/30/2023

Inflationary Trends Continue to Ease

ECONOMIC INDICATOR	Current Release	Prior Release	One Year Ago
Trade Balance	(68.98) $Bln MAY 23	(74.44) $Bln APR 23	(84.08) $Bln MAY 22
Gross Domestic Product	2.00% MAR 23	2.60% DEC 22	(1.60%) MAR 22
Unemployment Rate	3.60% JUN 23	3.70% MAY 23	3.60% JUN 22
Prime Rate	8.25% JUN 23	8.25% MAY 23	4.75% JUN 22
Refinitiv/CoreCommodity CRB Index	261.99 JUN 23	253.85 MAY 23	291.15 JUN 22
Oil (West Texas Int.)	$70.64 JUN 23	$68.09 MAY 23	$105.76 JUN 22
Consumer Price Index (y/o/y)	3.00% JUN 23	4.00% MAY 23	9.10% JUN 22
Producer Price Index (y/o/y)	(3.10%) JUN 23	(1.00%) MAY 23	18.30% JUN 22
Euro/Dollar	1.09 JUN 23	1.07 MAY 23	1.05 JUN 22

Source: Bloomberg

Economic Roundup

Consumer Prices

The Consumer Price Index (CPI) increased by 0.2% month-over-month and 3.0% year-over-year in June, down from 4.0% in May. The Core CPI, which excludes volatile food and energy components, rose 0.2% month-over-month and 4.8% year-over-year, showing a modest deceleration from 5.3% in May. The Personal Consumption Expenditures (PCE) index rose 3.8% year-over-year in May, down from a 4.4% gain in April. Core PCE, the Federal Reserve's preferred inflation gauge, increased by 4.6% year-over-year in May, slightly lower than the 4.7% reading in April. However, core inflation remains persistently high above the Fed's 2% target, with service-sector inflation and robust wage growth acting as significant challenges.

Retail Sales

Advance Retail Sales rose 0.3% month-over-month in May, beating expectations but slowing from a 0.4% increase in April. Gains were broad-based and translated to a year-over-year increase of 1.5% in May versus a downwardly revised 1.2% increase in April. The Conference Board's Consumer Confidence Index surged to a better than expected 109.7 in June from 102.5 in May. Both current conditions and future expectations gained strength.

Labor Market

The U.S. economy added 209,000 jobs in June, falling short of consensus expectations, and the last two months were revised downward by 110,000 jobs. Although decelerating, the pace of job growth remains healthy with the three-month moving average payrolls at 244,000 and the six-month moving average at 278,000. The unemployment rate declined to 3.6% in June from 3.7% in May, while the labor force participation rate remained at 62.6%. The U-6 underemployment rate, which includes those who are marginally attached to the labor force and employed part time for economic reasons, increased to 6.9% from the prior month at 6.7%. Average hourly earnings remained at 4.4% year-over-year in June, unchanged from an upwardly revised 4.4% increase in May. While the longer-term trend of hiring is slowing, levels remain consistent with a solid labor market.

Housing Starts

Total housing starts rose 21.7% month-over-month in May to 1,631,000 units from a downwardly revised 1,340,000 in April and were up 5.7% compared to May 2022. Both single-family and multi-family construction increased as expectations for lower rates and greater availability of construction labor and materials drove the surge in starts. The 30-year fixed rate mortgage stabilized at an average of approximately 6.7% at June month-end according to Freddie Mac. According to the Case-Shiller 20-City Home Price Index, housing prices dropped 1.7% in April after falling 1.1% in March, clearly displaying the impact of higher mortgage rates year-over-year, which have reduced demand for homebuying as affordability has declined. The Southeast remains the strongest region, while the West continues to be the weakest.

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.

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.