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AGENDA

Regional Water Authority
Regional Water Authority
Regional Water Authority August 25 2022 Regular Meeting
Thursday, August 25, 2022, 12:30 pm - 4:30 pm
Via Teams

A. Safety Moment

B. Meet as Environmental, Health & Safety Committee

Kevin Curseaden

1. Approve Minutes - May 26, 2022 meeting
2. RWA Physical Security Update - Including Executive Session

Donna

C. Meet as Strategic Planning Committee

David Borowy

1. Approve Minutes - June 23, 2022 meeting
2. Succession Planning Update - Including Executive Session

Donna

D. Act on matters arising from Committee meetings

E. Meet as Sole Member of the Claire C. Bennitt Watershed Fund (WSF): B. Stone

1. Report of the WSF
2. Act on recommendation of WSF Chair for reappointment of Directors

F. Consent Agenda

1. Approve Minutes - July 28, 2022 meeting
2. Capital Budget Authorization - September 2022
3. Capital Budget Transfer Notifications (no action necessary) - September 2022
4. Monthly Financial Report - July 2022
5. Accounts Receivable Update - July 2022
6. FY 2023 Business Continuity Update - Memo to EHS Committee
7. HazWaste Central Update - Memo to EHS Committee

G. Reports on RPB Committee Meetings

H. Business Updates

Larry Bingaman

1. COVID Update
2. Monthly Business Highlights

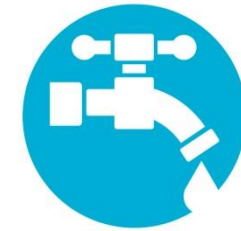
Donna

Larry Bingaman

SAFETY MOMENT



Tap Into
Safety



Regional Water Authority

AUGUST – BACK TO SCHOOL SAFETY

School days bring congestion: Yellow school buses are picking up children, kids on bikes are hurrying to get to school before the bell rings, harried parents are trying to drop their kids off before work.

It's never more important for drivers to slow down and pay attention than when kids are present – especially before and after school.

- Always stop for a school patrol officer or crossing guard holding up a stop sign
- Never pass a bus from behind – or from either direction if you're on an undivided road – if it is stopped to load or unload children
- If the yellow or red lights are flashing and the stop arm is extended, traffic must stop
- The area 10 feet around a school bus is the most dangerous for children; stop far enough back to allow them space to safely enter and exit the bus



Service – Teamwork – Accountability – Respect – Safety

Safety is a core company value at the Regional Water Authority .
It is our goal to reduce workplace injuries to zero.

Regional Water Authority

**South Central Connecticut Regional Water Authority
Environmental, Health & Safety Committee**

Minutes of the May 26, 2022 Meeting

A regular meeting of the Environmental, Health & Safety Committee of the South Central Connecticut Regional Water Authority (“RWA”) took place on Thursday, May 26, 2022, via remote access. Chair Curseaden presided.

Present: **Committee** – Messrs. Borowy, Curseaden, DiSalvo, and Mss. LaMarr and Sack
Management – Mss. Gonzalez, Kowalski, Schenkle, Verdisco, and Messrs. Bingaman, Courchaine, Donovan, Henley, Lakshminarayanan, and Singh
RPB – Mr. Jaser
Staff – Mrs. Slubowski

The Chair called the meeting to order at 1:19 p.m.

On motion made by Ms. LaMarr, seconded by Ms. Sack, the Committee voted unanimously to approve the minutes of the its meeting held on March 31, 2022.

Borowy	Aye
Curseaden	Aye
DiSalvo	Aye
LaMarr	Aye
Sack	Aye

Mr. Henley, the RWA’s Aquatic Resource Scientist, provided a presentation on New Streamflow Standards, which included:

- Regulatory goals
- New regulations adopted in 2011
- Purpose
- RWA implementation due by 2025
- Downstream release sites
- Study of impact on system reliability
- Capital improvements
- Next steps

Discussion took place regarding effect on water supply and the possibility of future regulations.

At 1:44 p.m., Mr. Henley withdrew from the meeting.

Ms. Verdisco, the RWA’s Chief Human Resources Officer & Head of Corporate Services, and Amanda Schenkle, the RWA’s Manager of Environmental Health, Safety and Risk, provided a Health & Safety Initiatives Update, which included:

- Advancement of workforce safety
- Safety Starts with Me program
- Zero injury goal
- Injury statistics 2018-2022
- COVID-19
- Next steps

Ms. Verdisco and Schenkle then provided the committee with an Environmental Compliance Update, which included:

- Overview of RWA’s Environmental Compliance control program
- Significant Industrial User Permit and changes to permitting process
- Beneficial Use Determination Permit
- Ozone Monitoring at Whitney Water Treatment Plant

At 2:10 p.m., on motion made by Mr. Borowy, seconded by Mr. DiSalvo, and unanimously carried, the Committee voted to adjourn.

Borowy	Aye
Curseaden	Aye
DiSalvo	Aye
LaMarr	Aye
Sack	Aye

Kevin Curseaden, Chairman

**South Central Connecticut Regional Water Authority
Strategic Planning Committee**

Minutes of the June 23, 2022 Meeting

The regular meeting of the Strategic Planning Committee of the South Central Connecticut Regional Water Authority took place on Thursday, June 23, 2022, via remote access. Chair Borowy presided.

Present: Committee Members Present – Messrs. Borowy, Curseaden and DiSalvo, and Mss. LaMarr and Sack
Management – Mss. Bochan, Hill, Kowalski and Verdisco, and Messrs. Bingaman, Canterbury, Donovan, Lakshminarayanan, Matharu, and Singh
RPB – Mr. Mongillo
Staff – Mrs. Slubowski

The Chair called the meeting to order at 1:24 p.m.

On motion made by Ms. LaMarr, seconded by Mr. Curseaden, and unanimously carried, the Strategic Planning Committee voted to approve the minutes of its February 24, 2022 meeting.

Borowy	Aye
Curseaden	Aye
DiSalvo	Aye
LaMarr	Aye
Sack	Aye

Mr. Bingaman, the RWA’s President and Chief Executive Officer, stated that management would be presenting an update of the RWA’s FY 2022 Strategic Action Plan and Global Metrics. Mr. Singh, the RWA’s Chief Information Digital Officer & Vice President of Customer Service, Ms. Verdisco, the RWA’s Chief Human Resources Officer & Vice President of Corporate Services, Ms. Kowalski, the RWA’s Vice President of Financial Reporting & Analysis, and Mr. Lakshminarayanan, the RWA’s Vice President of Engineering and Environmental Services provided an update of the four perspectives of the balanced scorecard, 12 strategies, and action plans for:

- Customers/Constituents
- Employee Learning & Growth
- Financial
- Internal Business Process

He reported that the RWA successfully completed all actions in FY 2022. Mr. Bingaman also reviewed a summary of the global metrics. He stated that 7 out of 8 global metrics were met and, as a result, a payout of 1% of base compensation for FY 2022 will be contributed to employees’ 401K plans for their contributions, either directly or indirectly, related to the achievement of the global metrics and advancement of the organization’s strategic plan.

Mr. Bingaman highlighted that the Authority would also be receiving a presentation for the FY 2023 Strategic Action plan. He reviewed the background and elements of the FY 2023 strategic planning process. As a part of the process, employees were invited to join in the development of the action plan and metrics. He highlighted that over 50% of employees volunteered for the strategic planning sessions, then four teams, one for each perspective, were formed, and the four RWA Team Leads would be joining the meeting to review the strategies and objectives.

Ms. Bochan, the RWA’s Business Transformation Director, reviewed the Customer and Constituents Perspective, which included:

- Improving Customer Satisfaction
- Utilizing Technology to Enhance the Customer Experience
- Increasing Constituent Support of the RWA

Mr. Matharu, the RWA’s Distribution Systems Operations Manager, reviewed of the Employee Learning & Growth Perspective, which included:

- Advancing Workforce Safety
- Developing Employees by Improving Knowledge, Skills and Abilities
- Fostering a Diverse, Inclusive and Engaged Workforce

Mr. Canterbury, the RWA’s Senior Project Engineer, reviewed the Financial Perspective, which included:

- Expanding Commercial Revenue Sources to Mitigate Rate Increases
- Improving the Financial Operating Performance of the RWA
- Strengthening Pension and Retirement Funding

Ms. Hill, the RWA’s Business Partner of Customer Service, reviewed the Internal Business Process Perspective, which included:

- Effectively Managing and Maintaining our Core Business
- Sustainably Managing Our Natural Resources to Deliver Reliable, Safe Water
- Embracing Innovation and New Technology

Mr. Bingaman, reviewed the FY 2023 Metrics targets and levels that consist of 7 global metrics and four defined executive metrics, for a total of 11. He stated that the global metrics are based on the four perspectives of the balanced scorecard and are S.M.A.R.T. (Specific, Measurable, Actionable, Relevant, and Time bound) and serve as benchmarks for the organizations global metric bonus program.

After discussion, on motion made by Mr. DiSalvo, seconded by Ms. LaMarr, the Committee voted to adopt the RWA’s FY 2023 Strategic Action Plan. The Chair called for the vote:

Borowy	Aye
Curseaden	Aye
DiSalvo	Aye
LaMarr	Aye
Sack	Aye

At 3:12 p.m., on motion made by Mr. DiSalvo, seconded by Mr. Curseaden, and unanimously carried, the committee meeting adjourned.

Borowy	Aye
Curseaden	Aye
DiSalvo	Aye

South Central Connecticut Regional Water Authority
Strategic Planning Committee
February 22, 2024

UNAPPROVED DRAFT

LaMarr Aye
Sack Aye

David Borowy, Chairman



Brian M. Stone, Esq.
President, Director

Elizabeth Moore
Vice President, Director

Kate S. Powell
Secretary, Director

Robert J. Olejarczyk
Treasurer, Director

Susan S. Addiss
Director

April Capone
Director

Thomas P. Clifford III, Esq.
Director

Anthony DiSalvo
Director

Gordon Geballe
Director

Marco Mutonji
Director

Martha Rice
Director

**Rev. Prof. John Henry Scott, III
Esq.**
Director

The Claire C. Bennitt Watershed Fund

South Central Connecticut
Regional Water Authority

90 Sargent Drive
New Haven, CT 06511-5966
Telephone: 203.401.2515
Fax: 203.562.0808

www.thewatershedfund.org

DATE: August 19, 2022

TO: David Borowy
Kevin Curseaden
Anthony DiSalvo
Catherine LaMarr
Suzanne Sack

Re: *The Claire C. Bennitt Watershed Fund – Annual Meeting
of RWA as Sole Member*

-
1. The 25th of August is the date for the Authority's annual meeting, as sole member of the Claire C. Bennitt Watershed Fund (the 'Fund').
 2. Enclosed are documents setting forth:
 - a. Watershed Fund Grants in Fiscal Year 2022
 - b. Watershed Fund Scholarships Granted in Fiscal Year 2022
 3. Fund balances as of August 18, 2022 are:
 - a. Fund reserved for scholarships: \$20,552.86
 - b. General (unrestricted fund): \$1,729,031.45
 4. The Fund's financial statements are audited annually by an independent firm. The Board of Directors retained Bailey Scarano of Branford to audit the financial statements for fiscal year ended May 31, 2022. They will present their report at the September 7, 2022 meeting of the Fund.
 5. Enclosed is the roster of the Fund' directors. The terms of Susan S. Addiss, Scott M. Jones, Robert Olejarczyk, and Martha Rice expire at this meeting. Scott M. Jones, appointed at the last annual meeting of the shareholder on August 19, 2021, notified the Fund of his desire to resign as a Director to avoid a conflict of interest for a position with the Connecticut Superior Court. His resignation was effective May 2, 2022. Mr. Olejarczyk has also notified the board of his decision to not renew his term as a board Director and will retire from the Fund effective the date of this meeting, August 25, 2022.

I recommend that Mss. Addiss and Rice be re-elected for another three-year term expiring at the 2025 annual meeting. Brief background information regarding these candidates is enclosed. Resolutions are attached for your consideration.

Respectfully submitted,

Brian M. Stone

Brian M. Stone
President

THE WATERSHED FUND – FY 2022 GRANT APPLICATIONS

Fall (F)/Spring (S)	Applicant	Project	Amount Requested
F/2021	Foundation for the Greater New Haven Chamber of Commerce	2022 New Haven Science Fair Program – A four component program designed to improve mathematics and science in the New Haven Public Schools	\$10,000
F/2021	St. Martin de Porres Academy	Nature’s Classroom Science Experience Program – a week-long hand-on nature classroom at Bushy Hill Camp in Ivoryton for 63 students and 10 chaperones	\$10,000
F/2021	Solar Youth	Steward Team Program – to provide programs to youth steward’s ages 8-13 that incorporate hands-on outdoor education, leadership development, and environmental stewardship	\$10,000
F/2021	South Central Connecticut Regional Water Authority	Project WATER Bus - in need of repainting and refreshing with new graphics	\$15,000
S/2022	Cheshire Pollinator Pathway/Coalition for a Sustainable Cheshire	Cheshire Pollinator Pathway “Get on the Pollinator Pathway” Speaker Series 2022 – an educational & workshop series to explore how native plant Pollinator Pathway gardens create healthy soils and watersheds	\$1,500
S/2022	Gather New Haven	Gather New Haven Environmental Education, Enrichment, and Engagement – to increase local awareness and interest in the value of the natural environment	\$10,000
S/2022	New Haven Urban Resources Initiative, Inc.	The Next 10,000 Trees – to celebrate trees planted, volunteer stewards, and partners; educate residents; and plant more trees	\$10,000
S/2022	South Central Connecticut Regional Water Authority	South Central Connecticut Regional Water Authority Environmental Career Summer Camp – week-long program for Common Ground HS students to expose them to water utility careers	\$4,000
S/2022	Save the Sound	Empowering Community Stewards for Water Quality at Six Lakes in Hamden, CT – to educate the local community to become water quality stewards with a focus on preserving Olin Powder Farm	\$10,000
S/2022	St. Thomas’s Day School	Enhancing Student Learning of Watershed Science Using Classroom Microscopes – to enrich the science program for 5 th & 6 th grade students	\$2,326.94
S/2022	Winnett Food Forest	Winnett Food Forest – to install, steward, and provided education about food Forests	\$10,000
	Total Grant Requests for FY 2022		\$92,826.94

FY 2014 \$ 44,060
 FY 2015 \$ 54,860
 FY 2016 \$ 23,500
 FY 2017 \$ 20,000
 FY 2018 \$ 61,518
 FY 2019 \$ 46,378
 FY 2020 \$ 18,896
 FY 2021 \$110,291
 FY 2022 \$ 92,827

THE CLAIRE C. BENNITT WATERSHED FUND

Scholarships Awarded in FY 2022

Applicant	High School	Residence Town/City	College	Anticipated Field of Study	Amount
Carroll, Brennan (Senior)	Sound School	Northford	Old Dominion University	Ocean and Earth Science/Biology Oceanography	\$3,500
Deschenne, Kieren Leif Dykstra (Sophomore)	Sound School	New Haven	Brown University	Marine Conservation Biology	\$3,500
Guerra, Carolina (Freshman)	Common Ground	New Haven	Albertus Magnus	Biology	\$3,500
Harris, Rachael (Senior) (SILVERSTONE)	Sound School	Guilford	Southern New Hampshire University	Environmental Science/Wildlife & Conservation Biology	\$6,000
Hubbs, Evan (Sophomore)	Daniel Hand HS	Madison	University of Rhode Island	Environmental Life Science	\$3,500
Huq, Adrian (Junior) (YODER)	Metropolitan Business Academy	Derby	Tufts University	Environmental Studies	\$4,000
Jones, Jasmine (Senior)	Metropolitan Business Academy	West Haven	Albertus Magnus	Biology and Mathematics (Education)	\$3,500
Kapostas, Victor (Freshman)	New Haven Academy	Ansonia	University of New Hampshire	Ocean Engineering	\$3,500
Lucas, Abigail (Senior)	Foran High School	Milford	Southern CT State University	Environmental Systems and sustainability; coastal marine systems	\$3,500
Nash, Dylan (Freshman)	Hamden High School	Hamden	Curry College	Environmental Science	\$3,500
Triana, Elizabeth (Senior)	Woodland Regional High School	Prospect	SUNY Oswego	Zoology	\$3,500
Urda, Marissa (Sophomore)	Amity Regional High School	Woodbridge	Sacred Heart University	Coastal Marine Biology/Environmental Science	\$3,500
Vissicchio, Melinda (Senior)	North Haven High School	North Haven	University of New Haven	Environmental Science	\$3,500

Total Paid in FY 2023: \$48,500

SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY

AUGUST 25, 2022

PROPOSED RESOLUTIONS

RESOLVED, that the following persons be, and hereby are, reappointed as Directors of the Claire C. Bennett Watershed Fund, Inc. to serve in such capacity until the annual meeting of the sole Member in 2025, or until they otherwise lawfully cease to hold such office: Susan S. Addiss and Martha Rice.

THE WATERSHED FUND

(Brief Biographies of Directors Proposed for Re-Appointment in August 2022)

Susan S. Addiss

Ms. Addiss is currently the Vice Chair for the Board of the East Shore Health District. She is the former Commissioner of Public Health for the State of Connecticut; Past President of the American Public Health Association; Past member of the Pew Environmental Health Commission; Past Vice-Chair, Connecticut Health Foundation Board; Past Director of Health Education for Environment and Human Health, Inc. Sue has been a director of The Watershed Fund since its inception.

Martha Rice

Martha Rice has been with The Nature Conservancy CT Chapter for 30 years. She was the Conservation Information Manager until recently when she was hired as the chapter's Volunteer Coordinator. Martha has also been the Education and Community Outreach chair for the Branford Land Trust for 30 years. Some of the events she coordinates include the Winter/Spring lecture series and the hands-on Environmental Day Camp. In her spare time, she likes skiing, fishing, birding, swimming, and paddle boarding. She lives in Branford with her husband Bob and son Tim.

THE CLAIRE C. BENNITT WATERSHED FUND

WSF Directors

(3-year terms)

2022

S. Addiss
R. Olejarczyk
M. Rice
Scott M. Jones, Esq.

2023

A. DiSalvo
G. Geballe
J. Henry Scott
Marco Mutonji

2024

A. Capone
T. Clifford
E. Moore
K. Powell
B. Stone

**South Central Connecticut Regional Water Authority
Minutes of the July 28, 2022 Meeting**

The regular meeting of the South Central Connecticut Regional Water Authority (“RWA” or “Authority”) took place on Thursday, July 28, 2022, via remote access.

Present: **Authority** – Messrs. Borowy and DiSalvo, and Mss. LaMarr and Sack
 Management – Mss. Kowalski and Verdisco, and Messrs. Bingaman, Donovan, Hill, Lakshminarayanan, and Singh
 RPB – Ms. Campbell
 Staff – Mrs. Slubowski

The Chair called the meeting to order at 12:31 p.m. He reviewed the Safety Moment distributed to members.

At 12:32 p.m., on motion made by Mr. DiSalvo, seconded by Ms. LaMarr, and unanimously carried, the Authority voted to recess the meeting to meet as the Pension & Benefit Committee.

Borowy	Aye
Curseaden	Absent
DiSalvo	Aye
LaMarr	Aye
Sack	Aye

At 1:53 p.m., the Authority reconvened.

On motion made by Mr. DiSalvo, seconded by Ms. Sack, and unanimously carried, the Authority voted to approve, adopt, or receive, as appropriate the following items in the Consent Agenda:

1. Minutes of the June 23, 2022 meetings.
2. Capital budget authorization for August 2022.

RESOLVED, that the Vice President and Chief Financial Officer is authorized to submit to the Trustee one or more requisitions in an aggregate amount not to exceed \$3,400,000 for the month of August 2022 for transfer from the Construction Fund for capital expenditures. Each such requisition shall contain or be accompanied by a certificate identifying such requisition and stating that the amount to be withdrawn, pursuant to such requisition, is a proper charge to the Construction Fund. Such requisitions are approved notwithstanding the fact that amounts to be withdrawn for a particular project may exceed the amount indicated for such month and year in the current Capital Improvement Budget but will not cause the aggregate amount budgeted for fiscal year 2023 for all Capital Improvement Projects to be exceeded.

3. Capital budget transfer notifications detailed in Ms. Kowalski’s memorandum dated July 22, 2022.
4. Monthly financial report for June 2022.
5. Accounts receivable update for June 2022.
6. Bid Exemption – Water Filtration Device and Filter Cartridges.
7. Resolution regarding administrative change to prior authorizations:

WHEREAS, the Vice President of Financial Reporting and Analysis of the Authority has been authorized to perform certain functions, take such actions and execute and deliver certain documents or instruments by resolution of the Authority (the “Resolutions”); and

WHEREAS, the Vice President of Financial Reporting and Analysis’s title has changed and has become Vice President and Chief Financial Officer of the Authority, effective August 1, 2022; and

WHEREAS, the Authority wants to make the administrative change to prior Resolutions to substitute the title Vice President and Chief Financial Officer for the title Vice President of Financial Reporting and Analysis, effective August 1, 2022 in such resolutions.

NOW THEREFORE, be it resolved that all prior Resolutions of the Authority which authorize the title of Vice President of Financial Reporting and Analysis to perform certain functions, to take such actions or to execute and deliver documents or instruments are hereby amended, as of August 1, 2022 to replace the title Vice President of Financial Reporting and Analysis title with the Vice President and Chief Financial Officer and authorizes the Vice President and Chief Financial Officer to perform such duties or functions, to take such action or to execute and deliver such documents and instruments as set forth in the Resolutions.

8. Derby Tank Update.

Borowy	Aye
Curseaden	Absent
DiSalvo	Aye
LaMarr	Aye
Sack	Aye

Authority members reported on recent RPB committee meetings.

The Authority took a break from 2:05 p.m. to 2:15 p.m.

Mr. Bingaman, the RWA’s President and Chief Executive Officer, provided an update on the status of COVID at the RWA.

Mr. Bingaman:

- Reported that the owner of the environmental testing lab withdrew interest, citing expectations about an environmental audit as the reason. However, the RWA is still considering other prospects.
- Highlighted recent field visits and took advantage of opportunities to engage with employees to get firsthand knowledge about current projects.
- Reported on the RWA’s first boil water notice, resulting from a man break in Hamden. To recognize the hard work to repair the break, the RWA held a celebration breakfast on June 30th for support and field workers for the long hours spent repairing the break. The RWA also took the opportunity to unveil the RWA’s first long triaxle dump truck, which

was a collaboration of leadership team members, fleet department, and the Steel Workers Union in purchasing the truck for hauling heavy loads.

[VIDEO OF UNVEILING OF TRUCK]

- Stated that the RWA has been accepted into a water research foundation research project designed to help water utilities recognize Legionella in drinking water distribution systems. This will provide the RWA with a better understanding of its water distribution system and assist in identifying areas of improvement and increase trust in the RWA's commitment to public health.
- Updated the Authority on the RWA's partnership with the Greater New Haven Chamber of Commerce (GNHCC) to assist local businesses to stay in the area, as well as grow employee population. To date, the GNHCC has visiting with 234 companies and uncovered 977 potential new jobs. The RWA will continue to partner with the GNHCC on other economic development opportunities.

At 2:31 p.m., on motion made by Mr. DiSalvo, seconded by Ms. LaMarr, and unanimously carried, the Authority voted to recess the meeting to meet as the Compensation Committee.

Borowy	Aye
Curseaden	Absent
DiSalvo	Aye
LaMarr	Aye
Sack	Aye

At 2:35 p.m., Ms. Campbell withdrew from the meeting.

From 2:37 p.m. to 2:40 p.m., Mr. DiSalvo withdrew from the meeting.

At 4:10 p.m., the Authority reconvened and the meeting adjourned.

Catherine E. LaMarr, Secretary

South Central Connecticut Regional Water Authority
90 Sargent Drive, New Haven, Connecticut 06511-5966 203.562.4020
<http://www.rwater.com>

MEMORANDUM

TO: David J. Borowy
Kevin J. Curseaden
Anthony DiSalvo
Catherine E. LaMarr
Suzanne C. Sack

FROM:  Rochelle Kowalski
Vice President & Chief Financial Officer

DATE: August 19, 2022

SUBJECT: Capital budget authorization request for September 2022

Attached for your meeting on August 25, 2022 is a copy of the resolution authorizing expenditures against the capital improvement budget for September 2022. The amount of the requested authorization, for funds held by the trustee, is \$4,700,000.

In addition, from the Growth Fund, approximately \$55,000 is expected to be used for the Commercial Billing project.

This would result in projected expenditures through September 2022 of \$10,521,417 or 18.1% of the total 2023 fiscal year capital budget, including State and Redevelopment.

Attachment

RESOLVED

That the Vice President & Chief Financial Officer is authorized to submit to the Trustee one or more requisitions in an aggregate amount not to exceed \$4,700,000 for the month of September 2022 for transfer from the Construction Fund for capital expenditures. Each such requisition shall contain or be accompanied by a certificate identifying such requisition and stating that the amount to be withdrawn pursuant to such requisition is a proper charge to the Construction Fund. Such requisitions are approved notwithstanding the fact that amounts to be withdrawn for a particular project may exceed the amount indicated for such month and year in the current Capital Improvement Budget but will not cause the aggregate amount budgeted for fiscal year 2023 for all Capital Improvement Projects to be exceeded.

South Central Connecticut Regional Water Authority
 90 Sargent Drive, New Haven, Connecticut 06511-5966 203-562-4020
<http://www.rwater.com>

TO:
 David J. Borowy
 Kevin J. Curseaden
 Anthony DiSalvo
 Catherine E. LaMarr
 Suzanne C. Sack

FROM: Rochelle Kowalski

DATE: August 19, 2022

SUBJECT: Capital Budget Transfers

The status of all capital projects are reviewed on a monthly basis. In an effort to obtain efficiencies in our capital program, any anticipated unspent funds are reallocated to support reprioritized projects or existing projects. Below is a summary of the attached capital budget transfers and amendments.

	Available Funds	Reallocation of Project/Funds
Lake Whitney Dam & Spillway Improvements	\$435,000	Meters
Lake Whitney Dam & Spillway Improvements	\$25,000	No-Des Vehicle & Gate Truck
Lake Whitney Dam & Spillway Improvements	\$60,000	Lake Whitney Water Treatment Plant Cork Floor Replacement
Lake Whitney Dam & Spillway Improvements	\$280,000	Burwell Hill Pump Station Equipment Replacement
Lake Whitney Dam & Spillway Improvements	\$136,000	Surface Water In-Line Turbidimeters
Lake Whitney Dam & Spillway Improvements	\$41,000	Laboratory Equipment
Lake Gaillard Water Treatment Plant Sodium Hypochlorite Tanks Replacement	\$150,000	State Street Pipe Bridge

CAPITAL BUDGET AMENDMENT REQUEST

Request Date:	8/19/2022	Type	Log	Mo/Yr
Requesting Division:	Operations	B2	23-05	Aug/22
Requested By:	Jim Hill			

Transfer From:	
Account Number:	
Project Description:	Lake Whitney Dam & Spillway Improvements
A) Original Budget	\$ 2,055,000
B) Total Previous Transfers (In or Out)	\$ -
C) This Transfer	\$ 435,000
D) Revised Budget (A+/-B-C)	\$ 1,620,000
E) Estimated Project Costs	\$ 1,000,000
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 620,000
Explanation why funds are available: As a result of re-evaluation of project approach, expenditures for FY 2023 are anticipated to be under budget.	

Transfer To:	
Account Number:	001-000-107146-000256
Project Description:	Meters
A) Original Budget	\$ 50,000
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ 50,000
D) Amount to be Transferred	\$ 435,000
E) Proposed Revised Budget (C+D)	\$ 485,000
Explanation why funds are needed: As a result of increasing lead times on meters, the Operations Division has requested additional funding to order additional inventory. The additional meters will keep inventory at an acceptable level and allow continued periodic meter replacements by RWA personnel without interruption.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	8/19/2022
2) Donor Vice President/Director	<i>approved at CMC</i>	8/19/2022
3) Vice President - Finance	<i>approved at CMC</i>	8/19/2022
4) Executive Vice President & Chief Operating Officer		
5) Chief Executive Officer	<i>approved at CMC</i>	8/19/2022
6) Authority Members	Copy of minutes attached if required	

CAPITAL BUDGET AMENDMENT REQUEST

Request Date:	8/19/2022	Type	Log	Mo/Yr
Requesting Division:	Operations	B1	23-06	Aug/22
Requested By:	Amrik Matharu			

Transfer From:	
Account Number:	
Project Description:	Lake Whitney Dam & Spillway Improvements
A) Original Budget	\$ 2,055,000
B) Total Previous Transfers (In or Out)	\$ 435,000
C) This Transfer	\$ 25,000
D) Revised Budget (A+/-B-C)	\$ 1,595,000
E) Estimated Project Costs	\$ 1,000,000
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 595,000
Explanation why funds are available: As a result of re-evaluation of project approach, expenditures for FY 2023 are anticipated to be under budget.	

Transfer To:	
Account Number:	001-000-107146-000256
Project Description:	Meters
A) Original Budget	\$ 725,000
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ 725,000
D) Amount to be Transferred	\$ 25,000
E) Proposed Revised Budget (C+D)	\$ 750,000
Explanation why funds are needed: Due to an increase to the cost of the No-Des truck, an additional \$25,000 will be required to complete this purchase.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	8/19/2022
2) Donor Vice President/Director	<i>approved at CMC</i>	8/19/2022
3) Vice President - Finance	<i>approved at CMC</i>	8/19/2022
4) Executive Vice President & Chief Operating Officer		
5) Chief Executive Officer		
6) Authority Members	Copy of minutes attached if required	

CAPITAL BUDGET AMENDMENT REQUEST

Request Date:	8/19/2022	Type	Log	Mo/Yr
Requesting Division:	Operations	B1	23-07	Aug/22
Requested By:	Charles Gaura			

Transfer From:	
Account Number:	
Project Description:	Lake Whitney Dam & Spillway Improvements
A) Original Budget	\$ 2,055,000
B) Total Previous Transfers (In or Out)	\$ 460,000
C) This Transfer	\$ 60,000
D) Revised Budget (A+/-B-C)	\$ 1,535,000
E) Estimated Project Costs	\$ 1,000,000
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 535,000
Explanation why funds are available: As a result of re-evaluation of project approach, expenditures for FY 2023 are anticipated to be under budget.	

Transfer To:	
Account Number:	to be created
Project Description:	Lake Whitney Water Treatment Plant Cork Floor Replacement
A) Original Budget	\$ -
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ -
D) Amount to be Transferred	\$ 60,000
E) Proposed Revised Budget (C+D)	\$ 60,000
Explanation why funds are needed: The cork flooring on the second level of the Lake Whitney Water Treatment Plant has experienced failure in the form of shrinkage and delamination. This has created an unsafe work environment for treatment staff, and has diminished the aesthetics of the plant. This facility is utilized for tours with locals schools and is used as a meeting location for RWA events.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	8/19/2022
2) Donor Vice President/Director	<i>approved at CMC</i>	8/19/2022
3) Vice President - Finance	<i>approved at CMC</i>	8/19/2022
4) Executive Vice President & Chief Operating Officer		
5) Chief Executive Officer		
6) Authority Members	Copy of minutes attached if required	

CAPITAL BUDGET AMENDMENT REQUEST

Request Date:	8/19/2022	Type	Log	Mo/Yr
Requesting Division:	Engineering & Environmental Services	B2	23-08	Aug/22
Requested By:	Orville Kelly			

Transfer From:	
Account Number:	
Project Description:	Lake Whitney Dam & Spillway Improvements
A) Original Budget	\$ 2,055,000
B) Total Previous Transfers (In or Out)	\$ 520,000
C) This Transfer	\$ 280,000
D) Revised Budget (A+/-B-C)	\$ 1,255,000
E) Estimated Project Costs	\$ 1,000,000
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 255,000
Explanation why funds are available: As a result of re-evaluation of project approach, expenditures for FY 2023 are anticipated to be under budget.	

Transfer To:	
Account Number:	001-000-107125-150502
Project Description:	Burwell Hill Pump Station Equipment Replacement
A) Original Budget	\$ 64,477
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ 64,477
D) Amount to be Transferred	\$ 280,000
E) Proposed Revised Budget (C+D)	\$ 344,477
Explanation why funds are needed: Funding is requested to install one of the pumps purchased as part of the original equipment rehabilitation project. Installation of the pumps was later removed from the scope of the original project. Operations would now like to install one of the pumps as a replacement for the existing 6" Allis Chalmers 1.15 mgd pump (Pump #1). Pump 1 is currently not being utilized as a result of its inability to maintain average flows and sustain tank levels.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	8/19/2022
2) Donor Vice President/Director	<i>approved at CMC</i>	8/19/2022
3) Vice President - Finance	<i>approved at CMC</i>	8/19/2022
4) Executive Vice President & Chief Operating Officer		
5) Chief Executive Officer	<i>approved at CMC</i>	8/19/2022
6) Authority Members	Copy of minutes attached if required	

CAPITAL BUDGET AMENDMENT REQUEST

Request Date:	8/19/2022	Type	Log	Mo/Yr
Requesting Division:	Operations	B2	23-09	Aug/22
Requested By:	Jim Hill			

Transfer From:	
Account Number:	
Project Description:	Lake Whitney Dam & Spillway Improvements
A) Original Budget	\$ 2,055,000
B) Total Previous Transfers (In or Out)	\$ 800,000
C) This Transfer	\$ 136,000
D) Revised Budget (A+/-B-C)	\$ 1,119,000
E) Estimated Project Costs	\$ 1,000,000
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 119,000
Explanation why funds are available: As a result of re-evaluation of project approach, expenditures for FY 2023 are anticipated to be under budget.	

Transfer To:	
Account Number:	To be created
Project Description:	Surface Water In-Line Turbidimeters
A) Original Budget	\$ -
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ -
D) Amount to be Transferred	\$ 136,000
E) Proposed Revised Budget (C+D)	\$ 136,000
Explanation why funds are needed: This project includes the replacement of the current HACH 1720E Turbidimeters and SC100 displays at all of the surface water treatment plants which are obsolete and no longer available with the replacement model HACH TU5300 Turbidimeters and SC4500 displays. Currently Lake Gaillard WTP and Lake Whitney WTP have a mix of HACH TU5300 turbidimeters and the obsolete HACH 1720E turbidimeters while Lake Saltonstall WTP and West River WTP have only the obsolete HACH 1720E turbidimeters. The turbidimeters require routine maintenance and without the availability of replacement parts the RWA is at risk of these units failing. These units provide real-time turbidity values that show the effectiveness of chemical dosages, plant performance and pose the potential for regulatory violations if they fail. This purchase would standardize the HACH TU5300 turbidimeters and updated displays at all of the surface water treatment plants.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	8/19/2022
2) Donor Vice President/Director	<i>approved at CMC</i>	8/19/2022
3) Vice President - Finance	<i>approved at CMC</i>	8/19/2022
4) Executive Vice President & Chief Operating Officer		
5) Chief Executive Officer	<i>approved at CMC</i>	8/19/2022
6) Authority Members	Copy of minutes attached if required	

CAPITAL BUDGET AMENDMENT REQUEST

Request Date:	8/19/2022	Type	Log	Mo/Yr
Requesting Division:	Operations	B1	23-10	Aug/22
Requested By:	Jim Hill			

Transfer From:	
Account Number:	
Project Description:	Lake Whitney Dam & Spillway Improvements
A) Original Budget	\$ 2,055,000
B) Total Previous Transfers (In or Out)	\$ 936,000
C) This Transfer	\$ 41,000
D) Revised Budget (A+/-B-C)	\$ 1,078,000
E) Estimated Project Costs	\$ 1,000,000
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 78,000
Explanation why funds are available: As a result of re-evaluation of project approach, expenditures for FY 2023 are anticipated to be under budget.	

Transfer To:	
Account Number:	001-000-107195-104634
Project Description:	Laboratory Equipment
A) Original Budget	\$ -
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ -
D) Amount to be Transferred	\$ 41,000
E) Proposed Revised Budget (C+D)	\$ 41,000
Explanation why funds are needed: Funding is requested for the purchase of an automated titrator. This equipment will allow for the automation of the steps necessary to complete a batch of alkalinity samples. It will calibrate, analyze samples, quality control checks, and provide printed results. This equipment is requested to support our outside laboratory services. Automation of the process will increase the efficiency of the process, and double the output of the number of tests that can be completed during an 8-hour period.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	8/19/2022
2) Donor Vice President/Director	<i>approved at CMC</i>	8/19/2022
3) Vice President - Finance	<i>approved at CMC</i>	8/19/2022
4) Executive Vice President & Chief Operating Officer		
5) Chief Executive Officer		
6) Authority Members	<u>Copy of minutes attached if required</u>	

CAPITAL BUDGET AMENDMENT REQUEST

Request Date:	8/19/2022	Type	Log	Mo/Yr
Requesting Division:	Engineering & Environmental Services	B2	23-11	Aug/22
Requested By:	Orville Kelly			

Transfer From:	
Account Number:	001-001-107132-116124
Project Description:	Lake Gaillard Water Treatment Sodium Hypochlorite Tanks Replacement
A) Original Budget	\$ 600,000
B) Total Previous Transfers (In or Out)	\$ -
C) This Transfer	\$ 150,000
D) Revised Budget (A+/-B-C)	\$ 450,000
E) Estimated Project Costs	\$ 300,000
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 150,000
Explanation why funds are available: Project work for FY 2023 is expected to be completed under budget, as a result of more work being completed in FY 2022 than originally anticipated.	

Transfer To:	
Account Number:	001-000-107143-100014
Project Description:	State Street Pipe Bridge
A) Original Budget	\$ 250,000
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ 250,000
D) Amount to be Transferred	\$ 150,000
E) Proposed Revised Budget (C+D)	\$ 400,000
Explanation why funds are needed: This amendment is requested to add necessary funding to cover a shortfall in project funding resulting from the timing of a project invoice. Material delivery delays impacted the submission of an invoice from the contractor, which was originally expected for submission in FY 2022. Due to the delays, the invoice was not received until July (FY 2023), leading to an increase in anticipated FY 2023 expenditures for the project.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	8/19/2022
2) Donor Vice President/Director	<i>approved at CMC</i>	8/19/2022
3) Vice President - Finance	<i>approved at CMC</i>	8/19/2022
4) Executive Vice President & Chief Operating Officer		
5) Chief Executive Officer	<i>approved at CMC</i>	8/19/2022
6) Authority Members	Copy of minutes attached if required	

REGIONAL WATER AUTHORITY
REVIEW OF FINANCIAL DATA
July 31, 2022 (FY 2023)

STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION

Operating Revenues

FY23 revenue for water, including wholesale and fire service, is over budget by \$2,491k (approx. 11.9%).
 Metered water revenue is over budget by \$2,470k (approx. 13.2%).

Total net other revenue is \$226k over budget primarily due to other water and other proprietary expenses being lower than budget and revenues being above budget.

Operating Expenses

Operating and Maintenance Expenses are currently under budget due to the following:

Payroll is under budget primarily due to head count under runs,	\$	(158,000)
Employee Benefits are under budget primarily due to lower medical and dental benefits		(194,000)
General & Admin is under budget primarily due to timing of expenses.		(50,000)
Transportation is under budget primarily due to timing.		(60,000)
Utilities & Fuel is under budget primarily related to lower electric and telephone service		(104,000)
Pump Power is under budget primarily due to timing.		(83,000)
Chemicals Expense is under budget primarily due to timing.		(61,000)
Collection Expense is under budget primarily due to lower year-to-date bank fees.		(129,000)
Business Improvement is under budget primarily due to accelerating certain expenses into fiscal 2022		(82,000)
Outside Services are under budget across multiple areas.		(183,000)
Insurance is under budget due to timing and reserve requirements.		(58,000)
Central Lab/Water Quality is under budget primarily due to the mix between internal and outside lab services and timing.		(70,000)
Maintenance & Repairs are under budget due to the timing of certain expenses budgeted early in the fiscal year.		(420,000)
All Other		<u>(246,000)</u>
		(1,898,000)

Interest Income

Interest Income is above budget primarily due to higher investment earnings.

PROJECTED MAINTENANCE TEST

The projected coverage is 1.14 with no shortfall, consistent with the budget.

**REGIONAL WATER AUTHORITY
STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION
FOR THE MONTHS ENDING JULY 31, 2022**

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	FY 2022 Actual	FY 2023 Budget	FY 2023 Actual	(Under)Over Budget
Operating revenues				
Metered water revenues	\$ 20,460	\$ 18,658	\$ 21,128	\$ 2,470
Fire service	2,028	2,151	2,149	(2)
Wholesale	139	163	185	23
Other revenue - water	724	679	729	50
Other revenue - proprietary	1,673	1,565	1,601	36
Total operating revenues	<u>25,024</u>	<u>23,215</u>	<u>25,792</u>	<u>2,577</u>
Operating expenses				
Operating and maintenance expense	8,842	10,807	8,910	(1,898)
Pension Expense			-	-
OPEB Expense				
Expense associated with other revenue - water	331	376	318	(58)
Expense associated with other revenue - proprietary	768	720	639	(81)
Provision for uncollectible accounts	182	160	160	
Depreciation	4,100	4,098	4,098	(0)
Payment in lieu of taxes	1,499	1,492	1,487	(5)
Amortization Pension Outflows/Inflows	347	73	73	0
Amortization OPEB Outflows/Inflows	(91)	(102)	(102)	(0)
Total operating expenses	<u>15,979</u>	<u>17,625</u>	<u>15,583</u>	<u>(2,042)</u>
Operating income	<u>9,045</u>	<u>5,590</u>	<u>10,209</u>	<u>4,621</u>
Nonoperating income and (expense)				
Interest income	16	366	712	346
(Loss) Gain on disposal of assets			-	-
Realized and unrealized (losses) gains on investments			-	-
Interest expense	(3,693)	(3,846)	(3,865)	(19)
Amortization of bond discount, premium, issuance cost and deferred losses	415	534	532	(1)
Amortization of Goodwill	(249)	-	-	-
Intergovernmental revenue	-	-	-	-
Contributions to related entities	-	-	-	-
Total nonoperating income and (expense) before capital contributions	<u>(3,511)</u>	<u>(2,946)</u>	<u>(2,621)</u>	<u>325</u>
Income (expense) before contributions	<u>5,535</u>	<u>\$ 2,644</u>	<u>7,588</u>	<u>\$ 4,945</u>
Capital contributions				
Change in net assets	209		400	
Total net assets - beginning of fiscal year	233,214		252,019	
Total net assets - end of reporting month	<u>\$ 238,957</u>		<u>\$ 260,008</u>	

	Budget FY 2023 @114%	Projected FY 2023 @114%	(Under)Over FY 2023 @114%
FY 2022 MAINTENANCE TEST (Budget vs. Projected)			
Revenue Collected:			
Water sales	124,093	124,093	\$ -
Interest Income	213	213	-
BABs Subsidy	657	657	-
Other Net	6,946	6,946	-
Common Non-Core	(300)	(300)	-
Total	<u>131,609</u>	<u>131,609</u>	<u>-</u>
Less:			
Operating and maintenance expenses	(63,492)	(63,492)	-
Depreciation	(7,500)	(7,500)	-
PILOT (A)	(8,901)	(8,901)	-
Net Avail for Debt Service (B)	<u>\$ 51,717</u>	<u>\$ 51,717</u>	<u>\$ -</u>
Debt Service Payments (C)	<u>\$ 45,366</u>	<u>\$ 45,366</u>	<u>\$ -</u>
Debt Service @ 114% (D)	<u>\$ 51,717</u>	<u>\$ 51,717</u>	<u>\$ -</u>
Difference (B-D)	<u>\$ (0)</u>	<u>\$ (0)</u>	<u>\$ -</u>
RSF, Growth and/or General Fund (D)	-	-	-
Coverage	<u>114%</u>	<u>114%</u>	

**REGIONAL WATER AUTHORITY
OPERATING AND MAINTENANCE EXPENSE
JULY 31, 2022**

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PERIOD ENDING JULY 31, 2022

	FY 2022 Actual	FY 2023 Budget	FY 2023 Actual	(Under) Over
1 Payroll	\$ 3,722	\$ 4,001	\$ 3,844	\$ (158)
2 Employee Benefits	1,282	1,293	1,099	(194)
Pension Contributions	450	444	444	0
3 Administrative Building	173	188	139	(49)
4 General & Administrative	168	251	200	(50)
5 Transportation	89	145	84	(60)
6 Tools & Stores	46	56	23	(33)
7 Utilities & Fuel	196	247	143	(104)
8 Material From Inventory	38	56	47	(9)
9 Pump Power Purchased	548	558	476	(83)
10 Chemicals	390	510	449	(61)
11 Road Repairs	41	50	22	(28)
14 Postage	30	79	57	(22)
15 Printing & Forms	4	11	6	(6)
17 Collection Expense	102	279	150	(129)
18 Business Improvement	6	93	11	(82)
19 Public/Customer Information	18	75	27	(48)
20 Outside Services	402	596	413	(183)
21 Insurance Premiums	249	289	231	(58)
22 Worker's Compensation, pre-Churchill	(13)	7	6	(1)
23 Damages	8	11	4	(7)
24 Training & Cont. Education	12	47	11	(36)
25 Authority Fees	24	27	23	(5)
26 Consumer Counsel	1	10	9	(1)
27 RPB Fees	15	28	12	(16)
28 Organizational Dues	10	14	28	15
29 Donations	2	6	-	(6)
34 Central Lab/Water Quality	15	73	2	(70)
40 Environmental Affairs	16	12	7	(6)
44 Info. Technology Licensing & Maintenance Fees	443	444	458	13
45 Maintenance and Repairs	285	860	440	(420)
46 Regulatory Asset Amortization	70	46	46	0
	<u>\$ 8,842</u>	<u>\$ 10,807</u>	<u>\$ 8,910</u>	<u>\$ (1,898)</u>

South Central Regional Water Authority

Analysis of Accounts Receivable ("A/R")

(\$000 omitted)

Denotes City of New Haven Invoicing

Total Accounts Receivable Aging (in days)

	July 2022	June 2022	May 2022	April 2022	March 2022	Feb 2022	Jan 2022	Dec 2021	Nov 2021	Oct 2021	Sept 2021	Aug 2021	July 2021
Under 30	\$ 8,465	\$ 6,543	\$ 5,880	\$ 6,441	\$ 4,820	\$ 6,617	\$ 10,706	\$ 6,974	\$ 8,276	\$ 7,638	\$ 8,164	\$ 6,789	\$ 8,080
31-60	2,216	1,620	1,819	1,493	1,855	3,164	2,930	3,312	2,042	2,743	1,990	2,081	2,546
61-90	731	1,002	737	1,002	1,573	1,501	919	1,093	1,436	686	842	1,465	887
91-180	1,714	1,737	2,062	1,965	1,756	1,589	1,561	1,652	1,775	1,881	1,946	1,705	2,023
181-360	1,889	1,606	1,531	1,644	1,918	1,891	2,179	2,145	2,071	2,120	2,149	2,212	2,284
More than 1 year	5,085	5,169	5,123	5,311	5,368	5,217	5,255	5,238	5,111	5,341	5,388	5,134	5,150
Sub Total	20,100	17,677	17,152	17,856	17,290	19,979	23,550	20,414	20,711	20,409	20,479	19,386	20,970
Interest due	1,502	1,458	1,464	1,430	1,433	1,388	1,337	1,224	1,112	1,014	1,026	1,055	1,067
Total Gross A/R plus interest	\$ 21,602	\$ 19,135	\$ 18,616	\$ 19,286	\$ 18,723	\$ 21,367	\$ 24,887	\$ 21,638	\$ 21,823	\$ 21,423	\$ 21,505	\$ 20,441	\$ 22,037

Aged Accounts Receivable Focus of Collection Efforts

	July 2022	June 2022	May 2022	April 2022	March 2022	Feb 2022	Jan 2022	Dec 2021	Nov 2021	Oct 2021	Sept 2021	Aug 2021	July 2021
Greater than 60 days:													
A/R	\$ 10,666	\$ 10,702	\$ 10,643	\$ 11,067	\$ 11,724	\$ 11,281	\$ 10,927	\$ 11,093	\$ 11,360	\$ 11,012	\$ 11,334	\$ 11,554	\$ 11,393
Less: Multi-Tenants	(2,690)	(2,496)	(2,508)	(2,694)	(2,640)	(3,052)	(2,799)	(2,981)	(3,104)	(2,569)	(2,831)	(2,941)	(2,765)
Receiverships	(1,962)	(1,900)	(1,962)	(1,704)	(1,983)	(1,992)	(2,029)	(1,995)	(1,971)	(1,985)	(2,008)	(1,961)	(2,125)
Liens	(2,210)	(2,455)	(2,435)	(2,545)	(2,469)	(2,370)	(2,212)	(2,220)	(2,189)	(2,196)	(2,281)	(2,472)	(2,112)
Total	\$ 3,804	\$ 3,851	\$ 3,738	\$ 4,124	\$ 4,632	\$ 3,867	\$ 3,887	\$ 3,897	\$ 4,096	\$ 4,262	\$ 4,214	\$ 4,180	\$ 4,391
	36%	36%	35%	37%	40%	34%	36%	35%	36%	39%	37%	36%	39%

Collection Efforts

	July 2022	June 2022	May 2022	April 2022	March 2022	Feb 2022	Jan 2022	Dec 2021	Nov 2021	Oct 2021	Sept 2021	Aug 2021	July 2021
Shuts *	\$ 1	\$ 6	\$ 2	\$ -	\$ -	\$ -	\$ -	\$ 76	\$ 113	\$ 15	\$ -	\$ -	\$ -
Red Tags **	-	-	-	-	-	-	-	-	-	-	-	-	-
Receivers	17	30	41	22	14	27	12	35	8	33	6	5	5
Top 100 Collection Calls	385	683	496	726	649	588	98	78	38	257	334	142	237
Other ⁽¹⁾	1,441	922	1,204	1,496	1,082	1,310	1,573	1,091	1,576	1,404	1,217	1,344	878
Total	\$ 1,844	\$ 1,641	\$ 1,743	\$ 2,244	\$ 1,745	\$ 1,925	\$ 1,683	\$ 1,280	\$ 1,735	\$ 1,709	\$ 1,557	\$ 1,491	\$ 1,120

* Number of shuts

** Number of Red tags

⁽¹⁾ Includes: Notices and letters and legal initiatives.

South Central Connecticut Regional Water Authority
 90 Sargent Drive, New Haven, Connecticut 06511-5966
<http://www.rwater.com>

To: Authority Environmental, Health & Safety Committee
 David J. Borowy
 Kevin J. Curseaden
 Anthony DiSalvo
 Catherine E. LaMarr
 Suzanne C. Sack

Cc: Larry Bingaman, President & CEO
 Donna Verdisco, CHRO & VP Head of Corporate Services

From: Amanda Schenkle, Manager of Environmental, Health, Safety & Risk

Date: August 25, 2022

Subject: Business Continuity Planning Update

The Regional Water Authority’s **Business Continuity Planning Program** is part of our Enterprise Risk Management Operational Strategy to provide tools and procedures to identify the impact of potential losses, and maintain viable recovery strategies and continuity of services in light of an event that poses a severe impact on the RWA.

Strategic Focus

It is RWA’s intention that this BCP program will guide the continued operations to the extent possible under any circumstance allowing the RWA to meet its mission to provide customers with high quality water and services at a reasonable cost while promoting the preservation of watershed land and aquifers.



Team structure & rhythm

- Leadership Team: Oversees the program and drives strategic growth of the program
- Cross functional representation trains and prepares plans for continuity of departments
- Meets quarterly to discuss plans & participate in training exercises





Process

- Formal Business Continuity Plan review every 2 years, including updates to department specific plans, Incident Management Plan and hazard specific plans.
- Meet as a BCP Team 2-3 times per year for program review. Hold Training and Exercise meetings quarterly for preparation of tabletop exercises and review of continual improvement actions.
- Host 3-4 exercises per year

OPERATION

The RWA made great progress against the FY22 BCP work plan. There were a number of factors that informed the work plan:

- America’s Water Infrastructure Act
 - RWA’s 2020 Water System Risk and Resilience Assessment and Update to the Emergency Response Plans
- COVID-19 Pandemic Event
- FY22 strategic goal to support climate and water quality resiliency
- Cyber security events:
 - May 2021 Colonial Pipeline’s ransomware attack
 - February 2021 Cyberattack on Florida water treatment plant SCADA system

Program Category	Business Continuity Activities	Progress
AWIA Follow-up Activities	<ul style="list-style-type: none"> • SCADA Response, Business Continuity, and Disaster Recovery Plans • Water Quality Emergency Response Plan 	
Business Continuity Plan Updates*	<ul style="list-style-type: none"> • Update business impact analysis • One overarching plan for the entire RWA • Twenty-six department-specific plans 	
Training & Emergency Exercises	<ul style="list-style-type: none"> • Incident management and response training • Spring Street Pump Station Tabletop Exercise • North Cheshire Wellfield Tabletop Exercise • Lake Gaillard Water Treatment Plant Functional Exercise 	
Program Management	<ul style="list-style-type: none"> • Business Continuity Committee Meetings • Training & Exercise Team Meetings • Managing preparedness activities including continual improvement actions identified by emergency exercises 	

**Department specific plans had some delays based on changes in org structures. The overarching plan and remaining department plans will be finalized by end of September 2022.*

Some key notable highlights from FY22 include the following:

- Emergency Preparedness Meetings
 - Met with Griffin Health and Yale New Haven Health to discuss Emergency Preparedness
- Incident Command Teams
 - Tropical Storms Elsa, Henri, Ida

- WRWTP Water Quality – Boil Water Event
- Saltonstall WTP Power Outage
- January 2022 Nor'easter
- Whitney Ave Hydrant
- West Shepard Ave Main Break
- Potable Water during Service Interruption
 - Alternate source of water after 12 hours of outage due to RWA boil water advisory
 - Distribution plans
 - Municipal partnerships
- CISA Dam Information Sharing Drill
 - National Exercise with DHS- CISA for Dam Sector
- Cyber and Infrastructure Continuity Planning
 - Multifactor Authentication (MFA) implemented on all edge servers and user accounts related to SCADA
 - Multifactor Authentication on Privilege Accounts in IT Business environment
 - Refreshed all network topology drawings including treatment plants, commercial locations, vendors, and radio sites
 - Weekly penetration test performed by Department of Homeland Security and reviewed and reported to Enterprise SOC Governance monthly
 - SCADA – Decommission all non-supported operating systems on the network

FORWARD PLANNING

For FY2023, the team is focusing on 4 strategic elements as part of our work plan for this year:

1. Business Continuity Plan Updates
 - a. Finalize overarching plan for the entire RWA
 - b. Review and finalize Incident Management Plan Update
2. BCP Program and Plan Training
 - a. BCP Program Training to Leadership, Director, and Management Level staff
 - b. Plan training on BCP and Incident Mgt. Plan for BCP Team
 - c. Leadership EOC activation training and exercise
3. Emergency Functional and Tabletop Exercises
 - a. SCADA Ransomware Exercise (Functional Exercise)
 - b. North Branford Tank Project Exercise
 - c. 3rd Exercise: TBD by BCP Team
4. Program Management
 - a. Business Continuity Committee Meetings
 - b. Training & Exercise Team Meetings
 - c. Managing preparedness activities including continual improvement actions
 - d. LGWTP Critical Component Plan
 - e. EPG development - I&C

As part of the FY2023 work plan, our BCP activities include the following:

- EPA's Creating Resilient Water Utilities (CRWU)
 - Climate Change Risk Assessment guided by EPA using CREAT Tool
- Emergency Preparedness Meetings
 - Further meetings with critical customers
- Lessons Learned
 - Reinvigorating the review process of all real events

- Incident Command, Fire Marshall, First Aid Training
 - Continue with vital safety training, encouraging all departments to participate
 - Revamping the Fire Marshall program in post-COVID workforce
- Cyber and Infrastructure Continuity Planning
 - Implementation of further Zero Trust Model for infrastructure and key systems and hardware
 - New Hardware for SCADA infrastructure lifecycle replacement program
 - Phishing testing and monthly Cybersecurity Water Cooler updates
 - Proactive reporting of unauthorized activity to the Department of Homeland Security

In Summary, the RWA team is making great progress in executing against our BCP deliverables and mitigating risk for the RWA.

The FY2023 BCP work plan will continue to create a resilient organization that can withstand major disasters. The training and exercise program will be shared with the Board for participation as dates are finalized:

- SCADA Ransomware Functional October 2023
- N Branford Tank Project December 2023

In addition, we will come back to the board to update and discuss two key strategic initiatives that are important as part of our BCP planning:

- Cyber security plan - ransomware attack
- Plan to operate the business manually

South Central Connecticut Regional Water Authority
 90 Sargent Drive, New Haven, Connecticut 06511-5966
<http://www.rwater.com>

To: Authority Environmental, Health & Safety Committee
 David J. Borowy
 Kevin J. Curseaden
 Anthony DiSalvo
 Catherine E. LaMarr
 Suzanne C. Sack

Cc: Larry Bingaman, President & CEO
 Donna Verdisco, CHRO & VP Head of Corporate Services

From: Lori Vitagliano, Government and Public Relations Specialist

Date: August 25, 2022

Subject: HazWaste Central Program Update

HazWaste Central (HWC) is Connecticut’s first and only permanent household hazardous waste collection center and is located at the Regional Water Authority (RWA) headquarters. In 1990, through the joint efforts of the RWA and the South Central Connecticut Regional Council of Governments, the program began operations. RWA’s support of the program aligns with its 1983 Land Use Plan, supporting a multi-barrier approach to safe drinking water and source water protection. Today, the HWC operation complements our 21st century environmental services company initiative.

OPERATION

This well-respected program is the only facility in Connecticut that is open every Saturday, beginning in May and closing at the end of October. Because it’s a permanent collection center, with a set schedule, residents are able to drop off their waste at their convenience, at any time on Saturday mornings during the operating season. With this flexibility, residents avoid infrequent one-day collections and the long lines associated with local one-day events. Weekly collections of household hazardous waste at local transfer stations are cost prohibitive for a single municipality.

HWC accepts everyday products and chemicals from the garage, garden, and workshop. This type of material must be disposed of properly. If these chemicals are thrown away with the regular trash, they can harm the sanitation worker, mix with other items, cause a chemical reaction or contaminate the environment and waterways.

As a model regional program, the 17 member municipalities share the fixed costs to operate the collection center, and only pay for waste dropped off from their residents. Residents must complete a registration form so we can verify delivery, and keeping track of weekly participation from each municipality. Listed below are the member communities:

Bethany	Guilford	New Haven	West Haven
Branford	Hamden	North Branford	Woodbridge
Cheshire	Madison	North Haven	

East Haven	Meriden	Orange	
Fairfield	Milford	Wallingford	

RWA recovers all expenses associated with the program by billing back the participating municipalities twice a year. For the fiscal year ending June 30, 2022, the program costs totaled \$487,611.

CURRENT ISSUE

Connecticut is facing a critical time for its waste management system. Last month, one of five waste-to-energy facilities closed its doors, leaving 720,000 tons of waste that is now being sent to out-of-state landfills. This is a major step backward for environmental sustainability in our state. Further, greater volatility in disposal costs over the long term is expected, impacting municipal budgets.

The HazWaste Central program is a key program in our region. For over 32 years, we have provided an outlet for our member municipalities to properly dispose of hazardous material that may otherwise end up in the regular waste stream.

Listed below are the participation totals and the amount of material we removed from the regular waste stream for the last five years. Included in the summary are the year-to-date (YTD) figures for the current collection season that concludes on October 29, 2022.

Collection Season	Total Participants	Material Collected (lbs.)
2017	5,420	108,400
2018	5,995	119,900
2019	6,695	133,900
2020	8,373	167,460
2021	7,847	156,940
2022 (YTD)	3,100	62,000

FORWARD PLANNING

Connecticut’s material management system needs solutions and better pathways for diverting material from the municipal solid waste stream.

HazWaste Central is a key stakeholder. On behalf of the RWA and HazWaste Central, the RWA HazWaste Manager is working with various groups such as the Connecticut Recyclers Coalition and the Connecticut Product Stewardship Council to rethink how we can better manage municipal solid waste. Overall, the goal is to look at the composition of municipal solid waste and design diversion programs that increase recycling rates and promote environmental sustainability.

RPB COMMITTEE MEETINGS

Month	Meeting	Will Attend
July 2022	<i>Finance Committee (Special Meeting)</i> Tuesday, July 12 at 5:00 p.m.	Catherine
	<i>Land Use Committee</i> Wednesday, July 13 at 5:30 p.m.	David
	<i>Consumer Affairs Committee</i> Monday, July 18 at 5:30 p.m.	Kevin
August 2022	<i>Finance Committee</i> Monday, August 8 at 5:00 p.m.	Kevin
	<i>Land Use Committee</i> Wednesday, August 10 at 4:30 p.m.	Catherine
	<i>Consumer Affairs Committee</i> Monday, August 15 at 5:30 p.m.	Tony
September 2022	<i>Finance Committee</i> Monday, Sept 12 at 5:00 p.m.	Tony
	<i>Land Use Committee</i> Wednesday, Sept 14 at 4:30 p.m.	Kevin
	<i>Consumer Affairs Committee</i> Monday, Sept 19 at 5:30 p.m.	Catherine

To the Five Member Authority Board:

August 25, 2022

I am pleased to provide you with the August 2022 Board report. The below updates support some of my strategic priorities for Fiscal Year 2023, and align with the goals and objectives in the 2020-2025 Strategic Plan.

Commercial Business Update

Growth efforts continue both inorganically and organically. We have sent mid-to-large scale indicative bid offers to two prospective targets and recently came to an arrangement with a buyer's broker to increase top of funnel acquisition activity. On the organic expansion front, the team is deploying marketing activity to increase demand generation, as well as looking to deploy strategic pricing and product enhancements.

Fiscal 2022 Year-End Audit Underway

Last month, audit field work began, an important step in the process of completing our annual year-end audit. The audit will continue throughout August and the Fiscal 2022 audited financial statements will be provided for the September Authority board meeting. The Fiscal 2022 audited financial statements, and the associated audit opinion, will be used by the credit rating agencies in their rating determination for our upcoming bond issuance. The financial statements will be included in our Fiscal Year 2022 Annual Report and next Official Statement.

Water Infrastructure Funding Update

We continue to closely monitor progress with federal water infrastructure funding and pursue relevant funding opportunities for the RWA.

As a follow-up to an item I have previously reported on, we compiled and submitted six applications for infrastructure projects for Congressionally Directed Spending. On July 28, 2022, we were informed that the Senate Appropriations Committee publically released DRAFT spending bills and our Seymour well treatment facility generator replacement project (\$716,000) and Lake Gaillard Water Treatment Plant HVAC and electrical improvements project (\$2.647 million) were both included for a combined \$3.363 million in funding. This means these projects are one-step closer to securing funding in a final Fiscal Year 2023 spending bill, but it is important to note that an award is not guaranteed and could change in ongoing negotiations.

Connecting With Employees in the Field

As part of my regular monthly visits in the field engaging with employees, this month I joined our Interim Head of Operations, Jim Hill, and observed a number of major projects underway to improve the water system. These stopovers included:

- seeing new, innovative jar testing (a laboratory procedure that simulates coagulation/flocculation with differing chemical doses required to achieve certain water quality goals) equipment at the West River Water Treatment Plant as well as progress on the construction of the new Dissolved Air Floatation system and sodium hypochlorite on-site generation room;
- witnessing tree clearing, grading and excavation activities at the site where the Derby Tank will be built and water main flushing happening in town;
- observing a newly installed 24-inch valve with an automated actuator, the new hydro turbine in operation and planning for testing a 30-inch bypass water line, which will provide a level of redundancy during upcoming valve replacement work at the Lake Gaillard Water Treatment Plant;
- exploring the original Gaillard water treatment building called the Clorimeter House, circa 1932, which is retained on the site of the North Branford Pump Station. I also saw the North Branford Tank, which holds 3.1 million gallons of water; and
- visiting with employees working at the Lake Saltonstall Water Treatment Plant.

Former Hamden Middle School Remediation Status

I am pleased to report that we have essentially completed our obligation to remediate the former Hamden Middle School site and adjoining properties under a DEEP consent order. This month we recorded the Environmental Land Use Restriction (ELUR) for the former Community Center/current small business incubator (496 Newhall St) on the Hamden municipal land records, followed by required notifications to local regulatory agencies including submitting to DEEP our closure report. This was the last of four ELURs needed to follow up the physical remediation completed in Fiscal 2020. We are just awaiting a written concurrence from DEEP releasing us from the 2003 Consent Order obligations. This significant remedial project was recently honored with the American Council of Engineering Companies of Connecticut (ACEC-CT) 2022 Merit Award.

Supporting a Bolder Vision for the PUM Program

I met with the new dean for the Southern Connecticut State University (SCSU) School of Business, Dr. Jess Boronico, who started in June. We discussed the current state of the Public Utility Management (PUM) Degree program and a bolder vision for the future.

Dr. Boronico fully supports the PUM program and continued partnership with local utilities to ensure the unique degree program meets the needs of the region's utilities employers and its future leaders. As part of our discussion, I suggested a myriad of program enhancements including offering online courses; expanding Conscious Capitalism into the curriculum and holding an annual conference on it for faculty members, students and utility leaders; operating a self-sustaining unit within the School of Business modelled after Michigan State University's Institute of Public Utilities; presenting coursework related to environmental sustainability; and hosting more special events for key stakeholders.

Dr. Boronico has had academic business leadership roles at the University of New Haven, William Paterson University and Monmouth University.

What follows are important developments and updates organized by the four perspectives of the Balanced Scorecard: Customers & Constituents, Employee Learning & Growth, Financial and Internal Business Process.

Sincerely,

A handwritten signature in blue ink, appearing to read "Larry".



FINANCIAL PERSPECTIVE

Maintenance Test

Cash collections of approximately \$11.3 million for the month of July were approximately \$0.2 million above budget. This variance is primarily due to the timing of cash receipts associated with public fire service. We are continuing to monitor billing-to-cash conversion patterns in the post monthly billing environment.

The current projection for Fiscal 2023 is 114% coverage with no shortfall.

There is still uncertainty regarding the financial impacts of global economic weakness and the protracted pandemic, including on employment levels and customers' ability to pay.

Water Revenues

Total water revenues (including metered, wholesale and fire) were above budget by approximately \$2.5 million (approximately 12%) through July (fiscal year to date). This variance is primarily due to higher-than-budgeted consumption.

Water Production

The average daily draft in July was 59.6 MG, which compares to 50.0 MG in July 2021. The peak day draft for the month occurred on July 15, 2022 when 67.9 MG of water was delivered to the system. The peak day draft in July 2021 occurred on July 27, 2021 when 57.9 MG was delivered to the system. Wholesale water to other utilities totaled 118.9 MG in July 2022 as compared to 112.2 MG in July 2021.

Capital Program

Summary: Capital Expenditures as of July 31, 2022

000's Omitted

	Revised Budget	Fiscal YTD Expenditures	Over/(Under)
1. Natural Resources	93	28	(64)
2. Treatment	1,379	1,032	(347)
3. Transmission & Distribution	2,153	1,790	(363)
4. General Plant	380	54	(326)
5. Contingency	80	-	(80)
Sub-Total	4,085	2,905	(1,180)
6. State & Redevelopment	450	154	(296)
7. Non-Core Billing	-	-	-
Total	4,535	3,059	(1,476)

Collection Activity

Accounts receivable over 60 days, net of liens, receiverships and multi-family balances, is at \$3.8 million compared to \$4.4 million for the same month last year. In July 2022, net past-due accounts, excluding multi-family tenants, properties that are in receivership, or on which we have placed liens, were 36% of total accounts receivable 60 days past due compared to 39% in July 2021.

A top 100 delinquent account review was performed by a dedicated RWA resource in July. The aging reports are divided by Commercial, Industrial, Residential and Public Authority accounts, and outbound collection calls resulted in recoveries of \$385,000 in July

Commercial Services

PipeSafe Protection

As of July 31, 2022, total subscribers by the program were as follows:

Program	June	July
PipeSafe Water Repair	55,876	55,699
PipeSafe Sewer Repair	41,194	41,095
PipeSafe Septic Repair	844	841
PipeSafe Complete (Home Plumbing Repair)	6,845	6,885
Total Subscribers	104,759	104,520

Total repairs by type of service were as follows:

Program	July Repairs		FY23 Repairs	
	Number	Cost	Number	Cost
Water	0	\$0	5	\$18,138
Sewer	134	\$41,645	275	\$102,255
Septic	1	\$205	1	\$205
Interior Home Plumbing	73	\$30,815	148	\$56,890
Total Repairs	208	\$72,665	429	\$177,488

Cancellations result from property closings, foreclosures, bankruptcies and receivership, while new entrants were associated with marketing and advertising initiatives.

Laboratory Testing

The laboratory performed analyses for both internal and external customers. The total number of samples analyzed was 2,618. The number of parameters that resulted from these samples was 9,075.

The 66% of analyses conducted were for external fee service customers.

Approximately 34% of the work was for internal customers and regulatory requirements. The analyses conducted included compliance samples, raw water monitoring, distribution requests, customer complaints and research.

Outside Fleet

	July 2022	FY 2023 YTD	FY 2022 YTD
June Revenue	\$10,149	\$10,149	\$10,703

Note: Fleet reports private repair financial statistics for one month in arrears.

Forestry Revenue

	FY 2023	FY 2022
July Revenue	\$12,457	\$1,000
FYTD	\$13,577	\$2,353

We received one timber sale payment in July 2022.

Other Revenue Programs

Cross-Connection Testing Revenue

The primary focus of cross-connection testing during July included seasonal testing of irrigation systems throughout our district, as well as inspecting and testing within the New Haven School system and at the Quinnipiac University campus in North Haven.

	FY23	FY22
July - Revenue	\$40,230	\$42,015
FYTD	\$89,270	\$87,734

This revenue stream is a result of fees charged for testing services provided by our staff to customers. Note that the testing is a regulatory obligation for which the RWA is responsible.

Devices tested in July 2022 totaled 834 as compared to 902 in July 2021.

FYTD Comparison Inspections and Device Testing:

	FYTD23	FYTD22
Inspections	474	832
Device Tests	1,809	1,694

Recreation

	July		June	
	2022	2021	2022	2021
Permit Holders	5,218	5,873	5,334	5,991

- Held a Botany walk at Hopp Brook in Bethany with 10 participants.
- Discussed crossings of spillway channel with North Branford Land Conservation Trust for the trail coming from the Harrison Preserve.
- Accompanied two new Customer Service Reps to the recreation areas as part of their employee orientation and onboarding.



CUSTOMERS & CONSTITUENTS PERSPECTIVE

In July, the Customer Care Center received 5,811 calls and our staff handled 5,359 of those calls; our answering service handled the remaining calls. Call volume continued to be up this month due to customer inquiries about the monthly billing conversion. The staff's adherence to schedules and call-handling guidelines resulted in an average answer speed of 77 seconds and an abandonment rate of 5.5%. The team processed 575 property closings in July compared to 723 in July 2021.

Meter Reading & Field Service

The AMI system over the last 30 days had a successful read rate of 99.33%.

Periodic meter changes continued during the month of July with 104 meters being changed out.

Public Affairs & Communications

- Provided a legislative update to the Representative Policy Board's Consumer Affairs Committee.

- Efforts are underway to enhance the digital customer journey by better highlighting our products and services including our commercial business portals.

Sustainable Solutions

Water Chestnut in Furnace Pond

Annual mechanical harvesting of water chestnut (*Trapa natans*) at Furnace Pond commenced this month. Due to access limitations posed by low water levels, a “hydro-rake” is being used in lieu of typical harvesting equipment. This may lead to a less efficient harvest, particularly in shallow shoreline areas.

Lake Whitney Environmental Activities

Summer monitoring of dissolved oxygen and salinity commenced in the lower Mill River. Due to dry conditions and water withdrawals, Lake Whitney’s water level fell below spillway elevation this month. In accordance with our Management Plan, a 4.2 MGD downstream release was activated on July 26 to maintain downstream ecosystems. An update was added to the Lake Whitney webpage to note these conditions.

Climate Modeling Analysis: Drought Resiliency

Hazen and Sawyer presented preliminary results of an analysis using the OASIS model to assess the effects of potential hydrology changes from climate change on the RWA’s reservoir system drought resiliency. As a result, water demand assumptions for the analysis are being refined to be lower along with higher forecasted rainfall, which will likely equate to an increase in our drought resiliency from a reservoir storage perspective.

Mill River Stream Flows

Environmental Planning continues to monitor flows in the Mill River basin in collaboration with USGS. Data is collected continuously at the Mill River Mount Carmel Avenue gauge. Flows were below average for the month of July at the USGS gauging site. RWA gauging site values were also below average for the month. As of August 3, stream flow at the Mount Carmel gauge was 5.24 cfs, compared to a 25th percentile flow of 6.6 cfs for the same day over the gauge period of record.

Diversion Monitoring

Routine source water monitoring for the company DBP reduction initiative was conducted as scheduled in July. Sites throughout the Gaillard system were monitored for *in situ* parameters, with a focus on sources directly impacting the Gaillard reservoir. Samples for laboratory analysis of nutrients, total organic carbon (TOC), and dissolved organic carbon (DOC) were also collected at each site. Additionally, samples were collected in the Saltonstall system at the Farm River East Haven Diversion, Beaver Swamp Brook at Hosley Avenue, and the Furnace Pond/Saltonstall railroad culvert.

Downstream Release Requirements (DSR)

Lakes Dawson, Gaillard, Hammonasset, and Menunketuc all remained below spillway during the month of July. Weir levels were monitored at all lakes to ensure sufficient water was being released to meet DSR thresholds and to maintain critical downstream ecosystems. No issues maintaining satisfactory DSR were encountered during the month of July.

Rainfall (Inches)

	Current Year	Previous Year	Historical Average
July 2022	1.11	9.02	3.71
Fiscal YTD (6/1/22 – 6/30/22)	4.18	10.36	7.43

Reservoir Levels (Percent Full)

	Current Year	Previous Year	Historical Average	Drought Status
July 2022	82	97	81	None

Unaccounted-for-Water

The net unaccounted-for-water calculated for the period of May 2021 through April 2022 is 13.97%.

A summary of the net unaccounted-for-water results are in the following table:

Values Mar 2021 – Feb 2022	Values Apr 2021 – Mar 2022	Values May 2021 – Apr 2022
13.52%	13.55%	13.97%
2,138 Million Gallons	2,135 Million Gallons	2,196 Million Gallons



EMPLOYEE LEARNING & GROWTH PERSPECTIVE

Safety

There were no OSHA recordable injuries in July.

COVID-19

As of August 4, 2022, we have had a total of 100 confirmed cases of COVID-19 since we started tracking in 2020. We had four employees test positive for COVID-19 since our last reporting in July. We continue to track and monitor cases as well as watch the positivity rate in the state and region.

Personnel Updates

The total number of RWA full-time equivalents (FTEs) as of July 31 is 261 compared to the budget of 278 FTEs for FY23.

In July, we had three new hires and one retirement:

- New Hires
 - Evan Moore, Source Water Technician
 - April Jones, Customer Service Rep
 - Paola Rodriguez, Customer Service Rep
- Retirement:
 - Robert Johnson, Crew Chief Leak Detector, Operations

Safety Training

For FY23, a total of 54.5 hours of Safety training has been conducted. In July, five employees received seven hours of education, which included training on using excavation equipment and fire extinguishers.

Security Activity

The RWA Police received a total of 126 calls for service in July. In addition, the Police handled 31 recreation permit and 109 patrol checks, conducted 41 background investigations and responded to five burglar alarms that occurred at our facilities.



INTERNAL BUSINESS PROCESS PERSPECTIVE

Operations

Water Treatment

Major projects and activities underway at the Lake Gaillard Water Treatment Plant included: Staging and preparing the raw water downstream 24-inch valve and upstream 36-inch valve for replacement. Distribution installed 2-inch taps on the upstream and downstream sections of the 24-inch raw water line to assist with draining the line for the upcoming valve replacement project. Cleaned the lagoon underdrain lines, underdrain vault, collection pits and both oil/water separators. Distribution pump #4 has been repaired, reinstalled and put back into service.

Major projects underway at the Lake Saltonstall Water Treatment Plant included: Flushed raw water screens #1, #2, and #3. Repaired the lagoon vault blower. Sulfuric acid chemical room containment high-level alarming and equipment repaired.

Major projects underway at the Lake Whitney Water Treatment Plant included: Whitney Water Treatment Plant continues 24/7 operations. The capital project to improve the Building Management System and HVAC controls continues. Distribution pump #3 motor was installed and relocation of the electrical equipment has begun.

Major projects underway at the West River Water Treatment Plant included: Site work continues for the Dissolved Air Flootation (DAF) capital project. The temporary Sodium Hypochlorite feed system is on-line. The new hypochlorite generators, day tanks, and brine silo were brought into the hypochlorite room and placed on the equipment pads. The transformer pad has been placed and installation of the conduit beneath the new switchgear has occurred. Provided a plant tour for the Woodbridge Fire Marshal.

Field Operations

CBYD Markings

Through the Call Before You Dig (CBYD) clearing house, the RWA performed 2,774 markings in July with an FYTD total of 5,541. Markings for the month of July 2022 were equal to July 2021.

Distribution System Flushing

Seasonal flushing continues in New Haven. To date, we have completed 199 miles of main cleaning. Our crews flushed an additional six miles of main for DPH compliance reporting.

Main Breaks

In July, we experienced four main breaks and eight unplanned system repair/replacements (contractor damaged main repair, gate replacement, etc.), compared to no main breaks and one unplanned system repair/replacement in July 2021.

Fire Flow Tests

Fire hydrant flow tests are conducted at the applicant's request; there were six tests performed during July. The purpose of the test is to determine the hydraulic characteristics of the water distribution system at the location of the project site.

Derby Water Storage Tank

During the month of July, site clearing continued in advance of construction of the Derby Tank. The contractor continued submitting submittals, which are being reviewed by RWA staff and Tighe & Bond.

Lake Whitney Dam

During the month of July, the RWA's staff directed the dam's design consultant, GZA, to produce renderings of the dam, if the downstream alternate is selected. The renderings represent two types of downstream concrete face treatments - one is with form liners and the other is with rubbed concrete.

Contracts & New Services

In July, there were five applications received for large services, as compared to nine in July 2021. This month, there were 280 feet of main extension contracts executed, compared to 170 feet of main extension contracts executed in July 2021. There are 550 feet of main extensions contracted to date in Fiscal Year 2023.