

**South Central Connecticut Regional Water Authority**  
**90 Sargent Drive**  
**New Haven, CT 06511**  
or via Remote Access\*\*

**AGENDA**

**Regular Meeting of Thursday, March 23, 2023 at 12:30 p.m.**

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- A. Safety Moment
- B. Public Comment: The time limit granted to each speaker shall be three (3) minutes. Residents and customers may address the Board.
- C. Claire C. Bennett Watershed Fund: K. Powell
  - 1. Consider and act on Board of Director appointments:
    - a. Brian Kelahan
    - b. Amanda Schenkle
- D. Meet as Environmental, Health & Safety Committee: K. Curseaden
  - 1. Approve Minutes – November 17, 2022 meeting
  - 2. Health & Safety Initiatives Update: E. Calo
  - 3. Invasive Species Update: J. Tracy and S. Vitko
  - 4. Review Committee Work Plan – FY 2024
- E. Consent Agenda
  - 1. Approve Minutes – February 23, 2023 meeting
  - 2. Capital Budget Authorization – April 2023
  - 3. Capital Budget Transfer Notifications (no action required) – April 2023
  - 4. Accounts Receivable Update – February 2023
  - 5. Key Performance Indicators
  - 6. RPB Quarterly Dashboard Report
- F. Finance: R. Kowalski
  - 1. Quarterly Financial Update
  - 2. Type B3 Amendment
- G. Business Updates: L. Bingaman
  - 1. Monthly Business Highlights
- H. RPB committee assignments and reports on RPB committee meetings
- I. Meet as Commercial Business Committee: K. Curseaden
  - 1. Approve Minutes – December 15, 2022 meeting
  - 2. Review Committee Work Plan – FY 2024
  - 3. \*Commercial Business Update Memorandum – *This disclosure of materials herein having commercial and financial information are protected under C.G.S. Section 1-210 subsection b #5B*
  - 4. Presentation of Asset Purchase Application (Application): D. Donovan & R. Kowalski - *Upon 2/3 vote, convene in executive session pursuant to C.G.S. Section 1-200(6)(E) to discuss matters covered by Section 1-210 subsection b #'s 5 B, pertaining to commercial and financial information.*
    - a. Review and discuss Application
    - b. Affidavit regarding confidential information within said Application
    - c. Motion for Protective Order for confidential information within said Application
    - d. Protective Order concerning confidential information within said Application for submission to the Representative Policy Board (RPB)
    - e. Possible recommendation to submit to the RPB
- J. Consider and act on Commercial Business Committee's recommendation and resolutions for approval to authorize management to forward to the RPB the Asset Purchase Application, associated confidentiality documentation, and to authorize management to take any and all actions necessary to effectuate the transactions

\*\* Members of the public may attend the meeting in person or via conference call. For information on attending the meeting and to view meeting documents, please visit <https://tinyurl.com/ysu5fy3e>. For questions, contact the board office at [jslubowski@rwater.com](mailto:jslubowski@rwater.com) or by calling 203-401-2515.

**SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY**

*(Including Environmental, Health & Safety Committee and Commercial Business Committee meetings)*

MARCH 23, 2023 AT 12:30 P.M.

**Remote meeting access information:**

**Call in (audio only)**

[+1 469-965-2517,,487177813#](tel:+14699652517487177813) United States, Dallas

Phone Conference ID: 487 177 813#

For questions, contact the board office at 203-401-2515 or by email at [jslubowski@rwater.com](mailto:jslubowski@rwater.com)

*\*RPB Member (T. Clifford) is excused at Item 1.3.*

# Table of Contents

Table of Contents	1
Safety Moment	2
WSF Board of Directors List	3
CCB WSF Proposed Resolutions	4
11 17 2022 RWA Environmental Minutes DRAFT	5
Presentation - Health & Safety Update	7
Health & Safety Update	18
Invasive Species Drone Study Presentation	21
Invasive Species Update	34
EHS Committee - FY 2024 Work Plan	39
02 23 2023 RWA Minutes UNAPPROVED	40
Capital Budget Authorization - April 2023	43
Capital Budget Transfers - April 2023	45
Aging Accounts Receivable - February 2023	54
KPI FY23 Q3 Update Cover	55
KPI Report -FY23 Q3	56
RPB Dashboard - 3Q 2023	57
3Q FY 2023 Financials	59
Capital Budget Transfer - Type B3 Amendments	71
Board Report - March 2023	73
RPB Comm Mtgs Jan to Mar 2023	81
RPB Comm Mtgs Apr to Jun 2023	82
12 15 2022 CBC Minutes DRAFT	83
CBC Work Plan	84
RPB Asset Purchase Application - Proposed Resolutions	85

# SAFETY MOMENT

## MARCH THAW – FLUCTUATING TEMPS

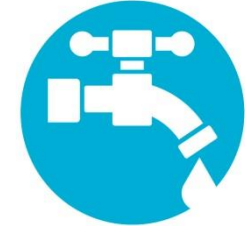
With spring around the corner, temperatures can fluctuate between above and below freezing temperatures, this can result in freezing rain, black ice, and icy roads and sidewalks. It is important to keep these hazardous travel conditions in mind and to check local television or radio stations for weather advisories and warnings.

When possible, avoid driving and walking outside during icy conditions. When travel is absolutely necessary:

- Drive slowly
- Stick to major routes
- Keep a safe distance between vehicles
- If on foot, use salt or sanded paths

Service – Teamwork – Accountability – Respect – Safety

Tap Into  
Safety



Regional Water Authority



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

 Regional Water Authority

# THE CLAIRE C. BENNITT WATERSHED FUND

## WSF Directors\*

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(3-year terms)

### 2023

G. Geballe  
C. LaMarr  
M. Mutonji  
J.H. Scott

### 2024

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

### 2025

S. Addiss  
M. Rice

*\*According to Article III(a), the Corporation shall have not less than five (5) nor more than fifteen (15) Directors). The total number of Directors shall be divided into three (3) classes, each class consisting of one-third (1/3) of such directors or as close to one-third as is possible.*

**SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY**

MARCH 23, 2023

**PROPOSED RESOLUTIONS**

**RESOLVED** that Brian Kelahan be, and hereby is, elected as a Director of the Watershed Fund, Inc. to serve in such capacity until the annual meeting of the Member in 2025, or until such later time as his successor has been lawfully appointed and qualified or he otherwise ceases to fill such position; and

**FURTHER RESOLVED**, that Amanda Schenkle be, and hereby is, elected as a Director of the Watershed Fund, Inc. to serve in such capacity until the annual meeting of the Member in 2025, or until such later time as her successor has been lawfully appointed and qualified or she otherwise ceases to fill such position.

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

**Minutes of the November 17, 2022 Meeting**

A regular meeting of the Environmental, Health & Safety Committee of the South Central Connecticut Regional Water Authority took place on Thursday, November 17, 2022, via remote access. Chairman Curseaden presided.

Present: Committee – Messrs. Curseaden, Borowy, DiSalvo, LaMarr and Ms. Sack  
Management – Mss. Kowalski, Calo, Vitagliano, and Augur, and Messrs. Bingaman, Donovan, Lakshminarayanan, Singh, and Vitko  
RPB – Mr. Oslander  
Staff – Mrs. Slubowski

The Chair called the meeting to order at 12:31 p.m.

On motion made by Ms. LaMarr, seconded by Mr. DiSalvo, and unanimously carried, the Committee approved the minutes of its August 25, 2022 meeting.

Borowy	Aye
Curseaden	Aye
DiSalvo	Aye
LaMarr	Aye
Sack	Aye

Chair Curseaden stated that memorandums were provided to committee members for topics related to the Department of Energy and Environmental Protection (DEEP) Stream Flow Regulations Implementation, the RWA Reservoir Safe Yield Model, and the 2023 Legislative Session Outlook. The memorandums were intended to initiate discussions and get initial thoughts and input.

Mr. Vitko, the RWA’s Environmental Planning Manager, provided an overview of the DEEP Stream Flow Regulations and Implementation and RWA’s Reservoir Safe Yield Model, which included:

- Standards, goals, and reporting requirements that will be effective as of September 2026
- Future impact on storage and drought triggers

Mr. Lakshminarayanan, the RWA’s Vice President of Engineering and Environmental Services, also provided information regarding the 2019 study done by Tighe & Bond related to RWA’s Reservoir Safe Yield Model. He stated that the study found the RWA has a high margin of safety as defined by the Connecticut Department of Health and an adequate water supply to meet current and future stream flow regulation release requirements.

Committee members discussed drought triggers, restrictions, enforcement, climate change, and supply to support growth, including through interconnections. After discussion, the Committee recommended that management work with legislators to advance drought related enforcement legislation, obtain information on climate change as related to drought triggers, and explore opportunities for future growth and expansion.

Ms. Vitagliano, the RWA’s Government and Public Relations Specialist, provided an update of the 2023 Legislative Session, which included key topic areas and upcoming activities. She also discussed drought advisory and enforcement issues with committee members.



At 1:19 p.m., on motion made by Ms. Sack, seconded by Ms. LaMarr, and unanimously carried, the meeting adjourned.

Borowy	Aye
Curseaden	Aye
DiSalvo	Aye
LaMarr	Aye
Sack	Aye

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Kevin Curseaden, Chairman

# **Regional Water Authority Board Environmental, Health & Safety Committee**

Health & Safety Update  
March 23, 2023



**Liz Calo**  
Sr. Director, Employee Relations & HR Operations

# AGENDA

- FY2023 Goals & Objectives Update
- Near Miss Reporting Program
- Safety Ambassador Program
- Zero Injury Goal & Injury Statistics
- Next Phase
- Q & A

# Goals & Objectives Update- FY23



# Near Miss Reporting Program

**Near Miss Defined-** *an unplanned event that did not result in injury, illness, or damage –but had the potential to do so.*

## **The Main Objectives of the Program:**

- Identify Hazards
- Rectify/Mitigate Unsafe Conditions
- Communicate Safety Concerns
- Create Empowering and Positive Experiences for Employees
- Prevent Injuries

16 Near Misses  
Reported To Date  
for FY 23

## **New Technology- Mobile App Eliminating Roadblocks to Reporting**



# Safety Ambassador Program

The Program includes Frontline Employees to help improve the Safety Culture at the RWA.

- Representatives From Every Division Participating
- Meet the First Tuesday of Every Month
- Reps take back the information to their teams



Total Safety Improvements	Total Improvements Addressed	Total Improvements In-Progress	Total Improvements Not Started Yet
21	8	10	3

# Zero Injury Goal

## 4 out of 6 Preventable/Recordable Injuries FY2023

### Cause of Preventable Injuries:

- Burn (1)
- Laceration (1)
- Strain/Sprain (2)

### Cause of Non-Preventable Injuries:

- Strain (MVA)- (1)
- Respiratory Conditions (1)

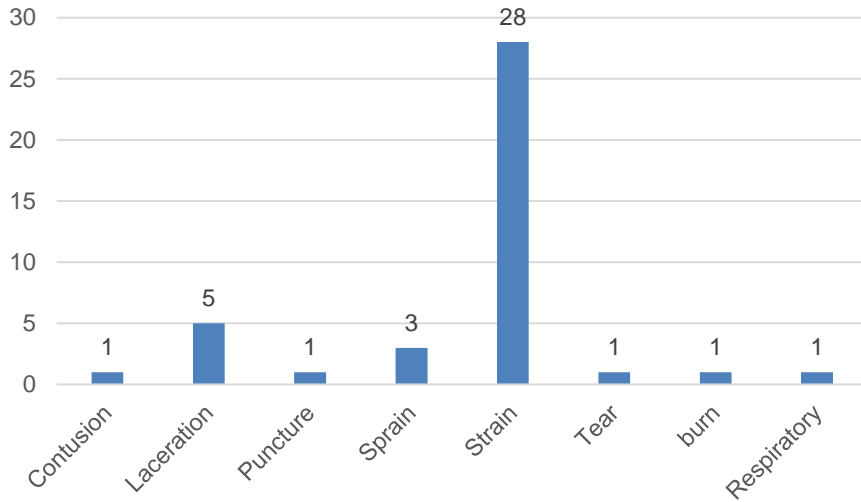
### Corrective Actions:

- New Practice Guidelines related to abandoned pipes in the ground
- New and improved gloves for fine manipulation job tasks
- Ergonomic review of job tasks related to sprain/strain avoidance
- Tips and techniques (i.e., stretching) for avoiding on-the-job injuries

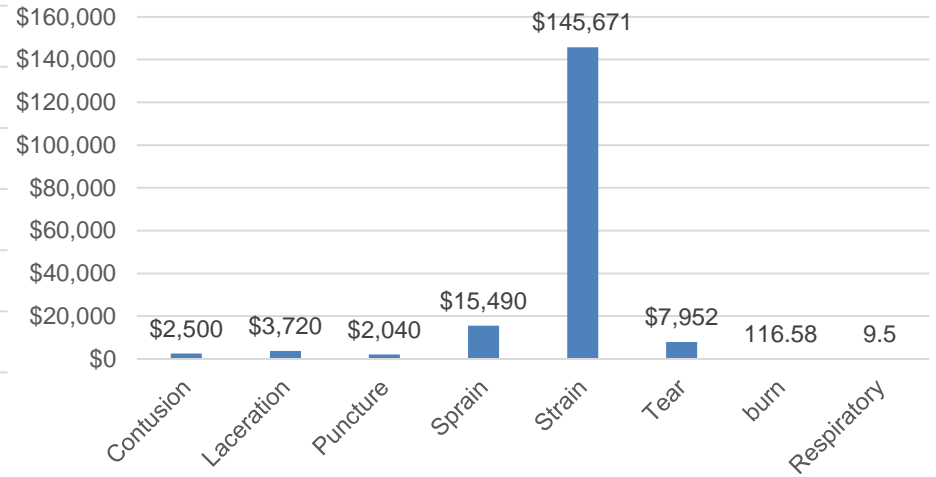


# Injury Statistics FY 2019 – 2023

Number of Injuries By Type FY19-23

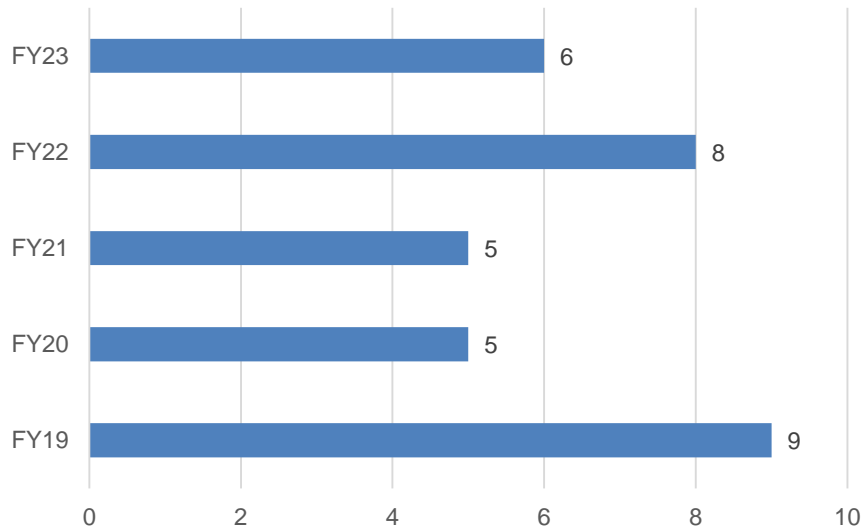


Costs Incurred By Injury Type FY19-23

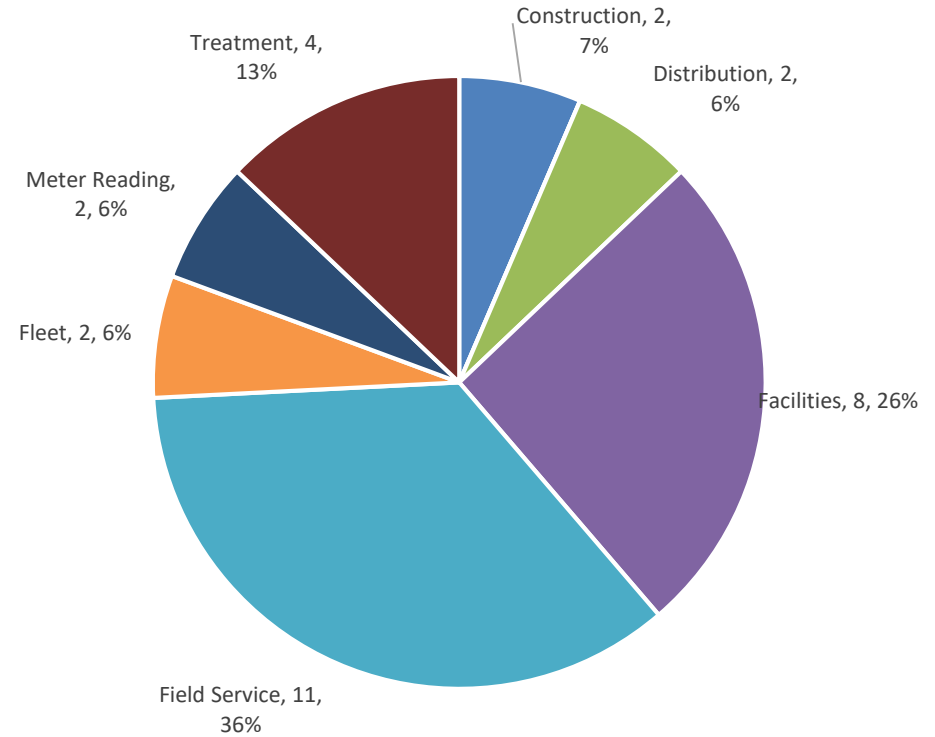


# Injury Statistics FY 2019 - 2023

Number of Injuries by Fiscal Year FY19-23



Number of Injuries By Department FY19-23



## Next Phase:

**Safety Manager Hired** – *Ronnie Burton, 15+ years of Safety!*

- Increase # of On-Site Visits
- Regularly Scheduled Audits and **Re-Evaluation**
- Morning Safety Huddles
- Injury and Incident Investigations and Reports
- Researching/Identifying Safety Programs (DuPont and Exxon Mobil)
- Increase Safety Communications
- New Safety Training- (updated/enhanced)

**= Reduce Preventable Injuries**

# Q & A?



**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  
Catherine E. LaMarr  
Suzanne C. Sack

Cc: Larry Bingaman, CEO  
Sunny Lakshminarayanan, VP -EES

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

Date: March 23, 2023

Subject: Health and Safety Initiatives Update

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The Regional Water Authority's **Health and Safety Initiatives** are a part of our Strategic Goals for FY23 to aid in our mission of zero injuries at the RWA. For FY23, the Environmental, Health, Safety and Risk team focused on two objectives, Developing a Near Miss Reporting Program and Implementing a Safety Ambassador Program.

#### *Near Miss Reporting Program*

The Near Miss Reporting objective in FY23 was to identify potential causes of injuries or accidents with the goal of further reducing our overall preventable injuries at the RWA. A near miss is defined as an unplanned event that did not result in injury, illness, or damage - but had the potential to do so. They are considered leading safety indicators and, as such, can provide valuable information to prevent injuries. The main objectives of the near-miss reporting program are to: Identify Hazards, Rectify/Mitigate unsafe conditions, Communicate safety concerns, Create empowering and positive experiences for employees related to safety, and prevent injuries. As part of the overall program, the EHS&R team on-boarded a new technology for mobile reporting of near misses in the field, eliminating roadblocks to reporting and tracking near misses and their corrective actions. To date, 15 Near Misses have been reported for FY23.

#### Types of Near Misses:

- Slip, Trip, and Fall Hazards
- Emergency Action Plans- Off-site events
- Chemical spill
- Trench hazards
- Environmental hazards
- Vehicle and Parking lot safety

#### *Safety Ambassador Program*

Prior to the onset of COVID-19, RWA used a safety ambassador program to complement the Union/Management Safety Committee. During our strategic planning sessions, overall, the Safety Ambassador program was discussed as an opportunity to include more frontline employees in improving the safety culture at the RWA. We kicked off the program on November 1, 2022, with representatives from every division participating. The Safety Ambassadors meet

the first Tuesday of every month to review safety concerns they are seeing in their areas, reviewing important safety trainings and providing input on new safety initiatives to provide a greater impact to our Health and Safety program. The Corporate Services team works to track and address ideas being brought forth by the ambassadors each month and provide feedback back to the ambassador team.

<i>Total Safety Improvements</i>	<i>Total Improvements Addressed</i>	<i>Total Improvements In-Progress</i>	<i>Total Improvements Not Started Yet</i>
21	8	10	3

*Safety Ambassadors:*

**Operations Division:**

Bart Amendola  
 Antonio Arroyo  
 Omar Barrett  
 Mike Bova  
 Art Briggs  
 Kevin Shea  
 PJ LeFrancois  
 John Kronkaitis  
 Mike Garguilo  
 Jared Johnson  
 Robert Reder  
 Jeff Nagy  
 Tony Troiano

**Financial Services:**

Brent Domkowski

**Corporate Services:**

Ed Masse  
 Barbara Sheard  
 Amanda Schenkle

**Customer Care/IT:**

Linda Jackson  
 Kevin Schnaitmann

**Engineering and Environmental Services:**

Cody Savoy  
 Brenden Fimian  
 Doug Kablik  
 Evan Moore  
 Joshua Tracy

*Safety Statistics FY23*

RWA has experienced 4 Preventable injuries in FY23. This fiscal year’s preventable injuries involve a burn, a laceration, and two sprain/strain injuries. Meetings were held with Leadership and department stakeholders for each preventable injury to review what steps RWA can take to avoid these incidents from happening in the future. At the end of each meeting, corrective actions were implemented for each incident. Actions included:

- New Effective Practice Guidelines related to abandoned pipes in the ground
- New and improved gloves for fine manipulation job tasks
- Ergonomic review of job tasks related to sprain/strain avoidance
- Tips and techniques (i.e., stretching) for avoiding on-the-job injuries

**FORWARD PLANNING**

For FY2024, the team is focusing on continuing to advance workplace safety:

1. Reducing Preventable Injuries to reach and sustain the zero injury goal.
  - a. Work with internal and external experts to reduce the frequency and severity
2. Revitalizing the Safety Inspection Program of RWA:
  - a. Updating inspection cadence for job sites and facilities by type

- b. Increasing overall number of inspections
  - c. Provide training for personal job site inspections, including workstation and remote workstation safety checklists
3. Researching best-in-class safety programs for the improvement of RWA Health and Safety program
- a. Look for process implementations from programs like Dupont STOP and Exxon Mobil

In Summary, the RWA continues to enact new programs and initiatives to aid in our goal of reaching and sustaining zero injuries. Programs like our Near Miss Reporting Program and Safety Ambassador Program are assisting RWA with being proactive in our approach to safety. Our proactivity in Health and Safety is a key characteristic of a first-in-class safety program.

# RWA Slash Wall Forest Regeneration Study

Presented by:

Josh Tracy, Invasive Species Technician

Steve Vitko, Environmental Planning Manager

Presentation to the Authority Environmental  
Health & Safety Committee  
March 23, 2023





# What is A Slash Wall?

- Concept developed by researchers at Cornell
- Less cost than deer exclusion fencing
- Surrounds harvested area
- 10 feet tall and 20 feet wide
- Ultimate goal – to exclude harvested area from deer predation
- Allows native species to out-compete invasive species



# RWA Slash Walls

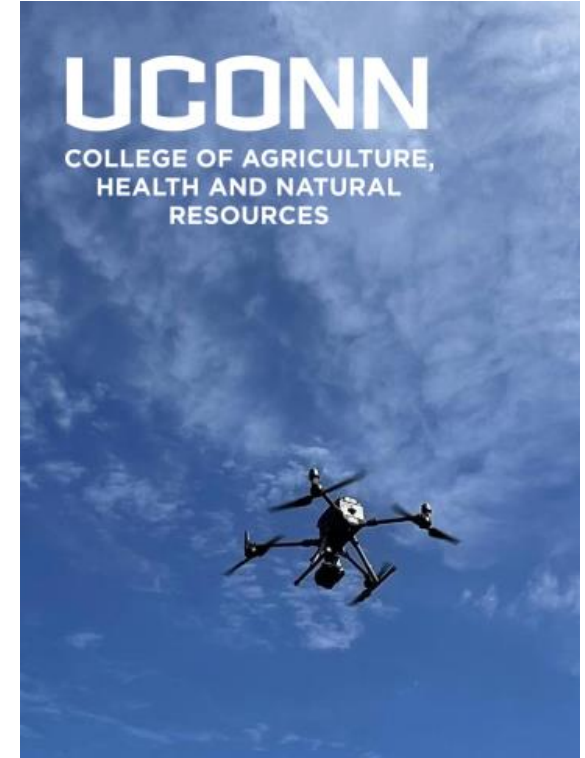
Madison, 48 mapped acres

Seymour, 36 mapped acres



# UConn Drone Study

- Drone owned and operated by UConn College of Agriculture, Health, and Natural Resources
- UConn responsible for data collection and analysis
- Research funded by RWA
  
- Types of Data Collected
  - Multispectral
    - Flown at 70 meters for 50 minutes per site
  - LiDAR (Light Detection and Ranging)
    - Flown at 70 meters for 60 minutes per site



# Supplemental Research

- Connecticut Agricultural Experiment Station
- Monitoring harvests to assess forest regeneration
- Comparing native versus invasive species population growth
- State funded research



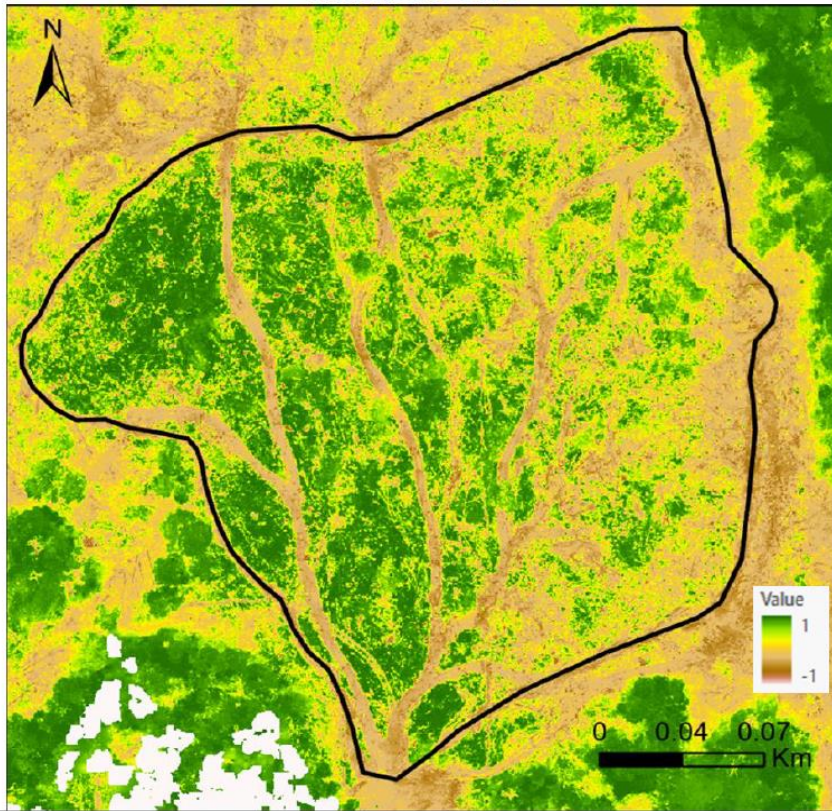
# CAES

The Connecticut Agricultural Experiment Station

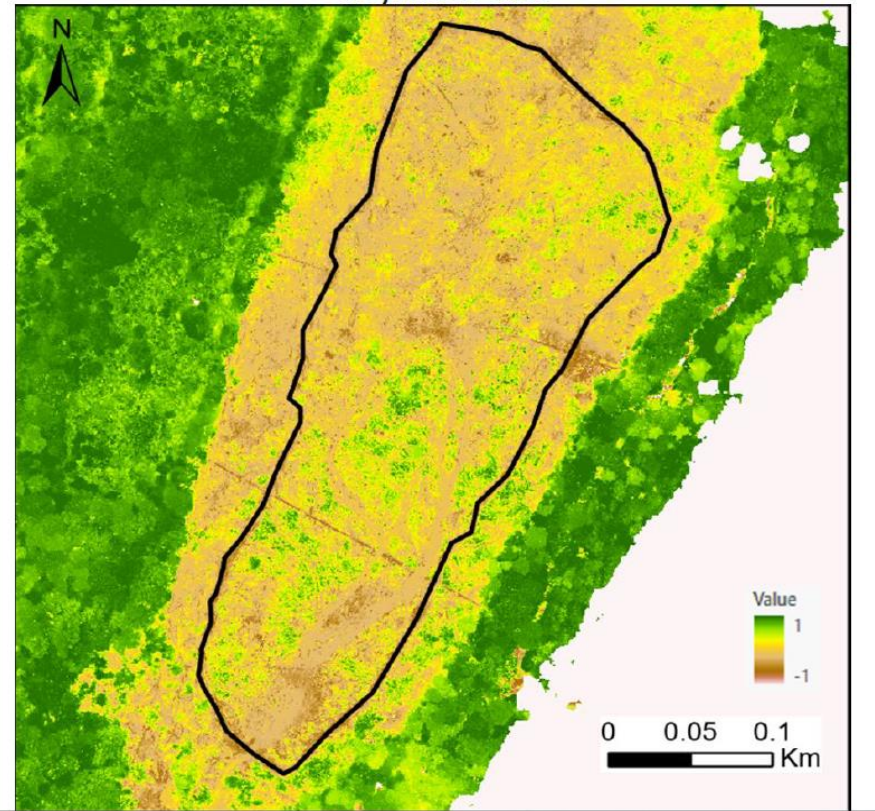
*Putting Science to Work for Society since 1875*

# Normalized Difference Vegetation Index (NDVI)

Madison Site

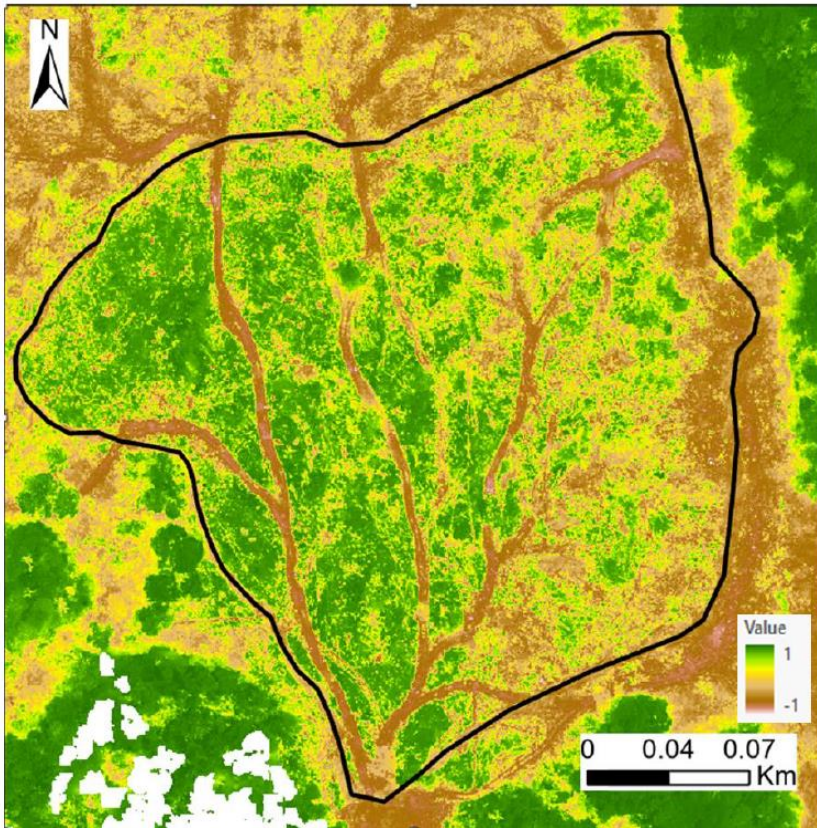


Seymour Site

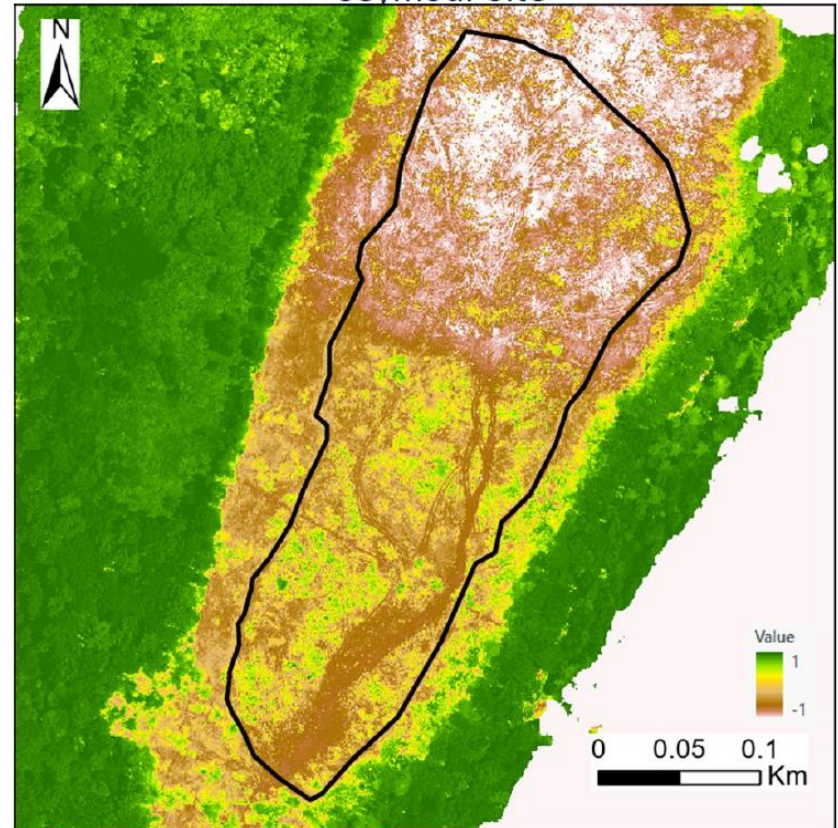


# Normalized Difference Red Edge Index (NDRE)

Madison Site

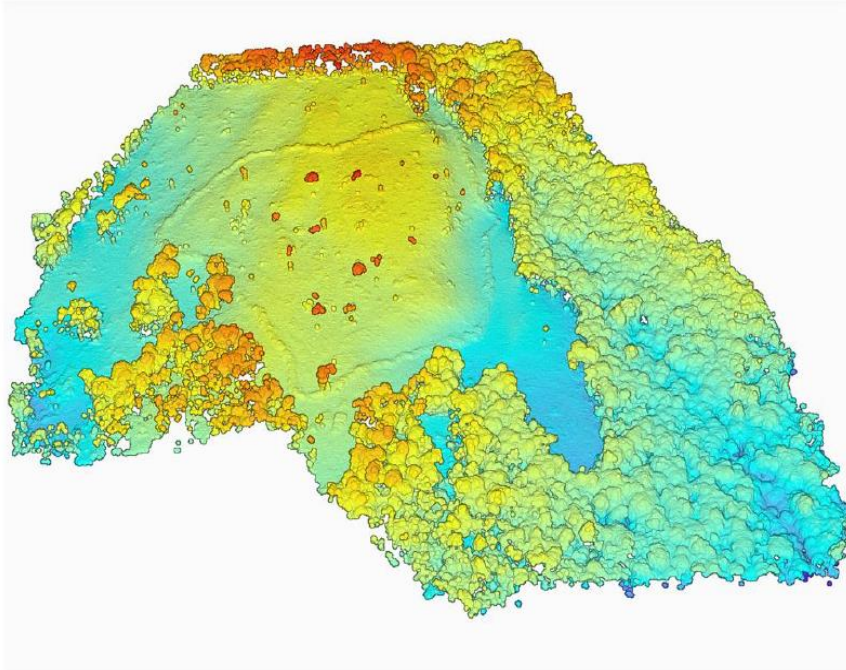


Seymour Site

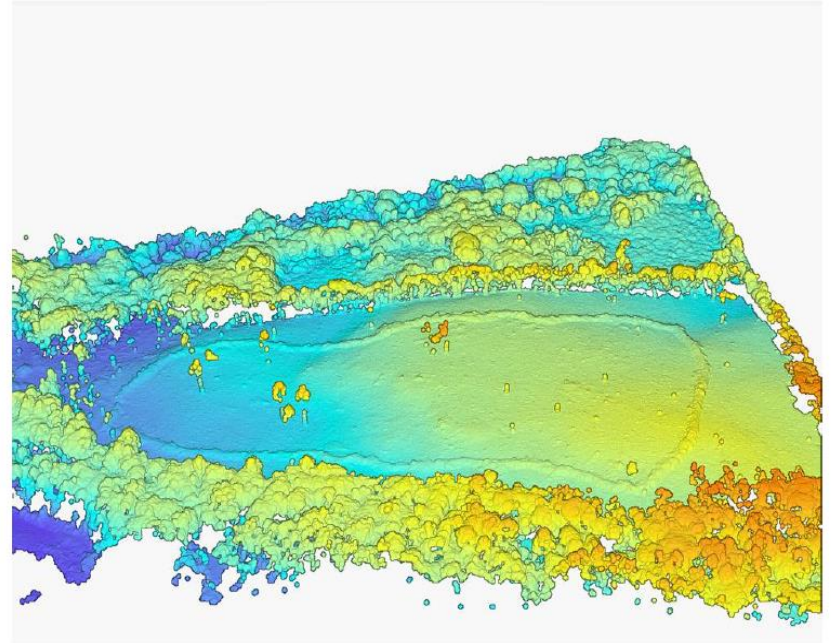


# Photogrammetric Point Clouds

Madison Site



Seymour Site



LiDAR - Madison

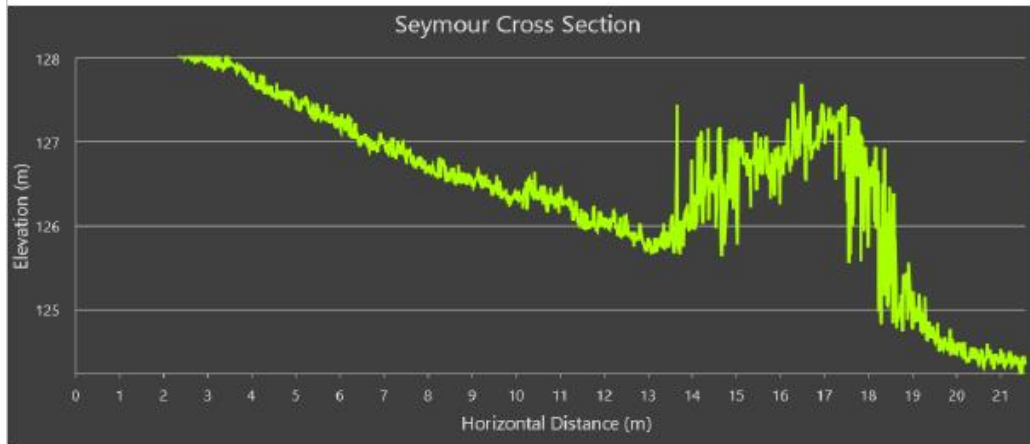
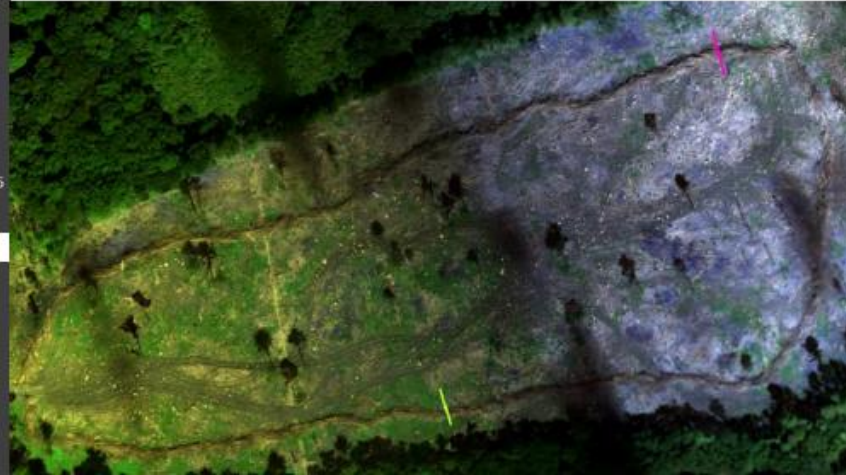
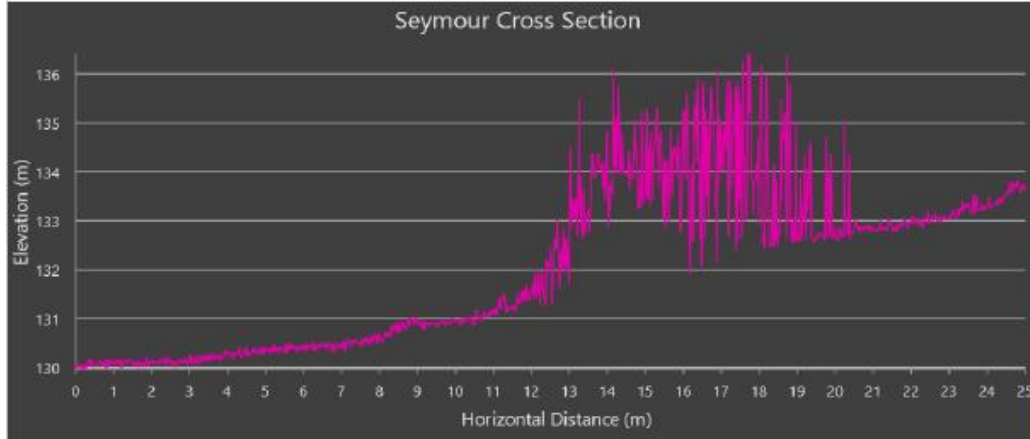




LiDAR – Seymour



# LiDAR Evaluation (Seymour) cont.



# Conclusion



- UConn, RWA, CT Ag. Station data collection
- Determine proper slash wall management strategies
- Assess forest regeneration impacts over time
- Invasive vs native species comparison
- Multi-year data set needed for full analysis

An aerial photograph of a wide, dark river winding through a vast, dense forest of green trees. The river flows from the top center towards the bottom left, then curves back towards the bottom right. The forest is thick and covers the entire landscape.

Thank You!

Questions?

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

To: Authority Environmental, Health & Safety Committee  
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Suzanne C. Sack

Cc: Larry Bingaman, President & CEO  
Sunny Lakshminarayanan, VP, EES

From: Steve Vitko, Environmental Planning Manager  
Josh Tracy, Invasive Species Management Technician

Date: March 2023

Subject: Slash Wall Forest Regeneration Study

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The concept of a slash wall was developed by researchers at Cornell University as a way to protect a recently managed forest from the predation of deer, in lieu of installing a costly deer exclusion fence. A slash wall consists of leftover material from a timber harvest stacked into a wall approximately 10 feet tall and 20 feet wide, which surrounds the harvested area. The wall allows for regeneration of early successional forest without the negative influence of deer browse. Deer prefer native plants as a food source, and typically do not favor invasive species because they did not co-evolve with them. Research has shown native species can out-compete invasive species with the exclusion of deer predation, resulting in a healthier forest.

In 2022, the RWA concluded two timber harvests, followed by slash wall construction on RWA land in Madison and Seymour to demonstrate and monitor the effectiveness of this concept. While the price of the slash wall's construction is included in the overall bid price from the contractor performing the harvest, the alternative method of using deer exclusion fencing needs to be paid for out-of-pocket and requires significantly higher costs and maintenance. Both sites have populations of invasive species, including tree of heaven, Japanese barberry, and multiflora rose, which will allow key research on deer absence and its influence on native species regeneration. In addition, the CT Agricultural Experiment Station (CAES) is monitoring RWA's two harvests alongside another large-scale slash wall project on MDC watershed land to assess forest regeneration and compare native versus invasive species population growth inside and outside the slash walls.

To take our research to the next level, the RWA executed an agreement with the University of Connecticut (UConn) in February 2022 to partially fund graduate student research to use a drone equipped with LiDAR and multispectral sensors to monitor and compare regeneration inside and outside timber harvest deer exclusion slash walls at the Madison and Seymour sites. To accomplish this, the UConn team utilized their drone to fly over the slash wall sites in Madison and Seymour at 70 meters altitude to collect valuable data at the 48 and 36-acre sites, respectively.

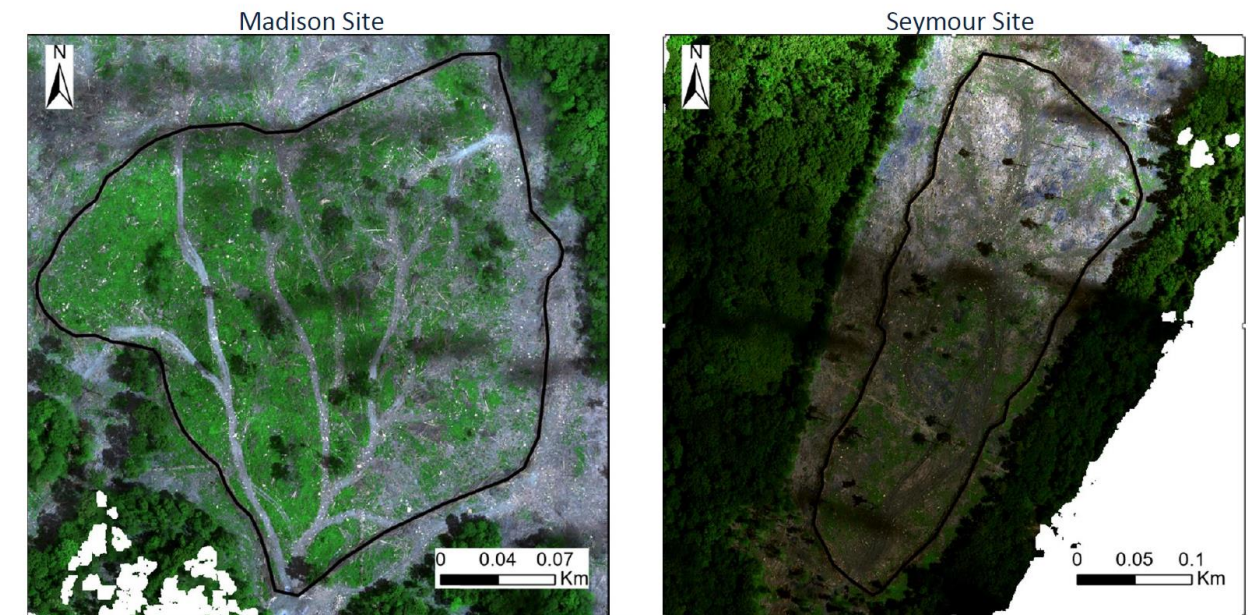
Data gathered during the drone flyover events allowed the UConn team to generate Orthophoto Mosaics, Normalized Difference Vegetation Indices (NDVI), Normalized Difference Red Edge Indices (NDRE), Digital Elevation Models, Photogrammetric Point Clouds, and Light Detecting and Ranging (LiDAR) imagery (see labeled examples below).

NDVI is a measurement of how much green occupies an image, used to quantify vegetation density to assess changes in forest health over time. NDRE is a measure of chlorophyll levels in leaves, which provides insight on the health of plants within the study area. These technologies will allow the team to track forest regrowth rates over time within the deer exclusion slash walls compared to outside the slash walls where deer are able to consume early successional vegetation.

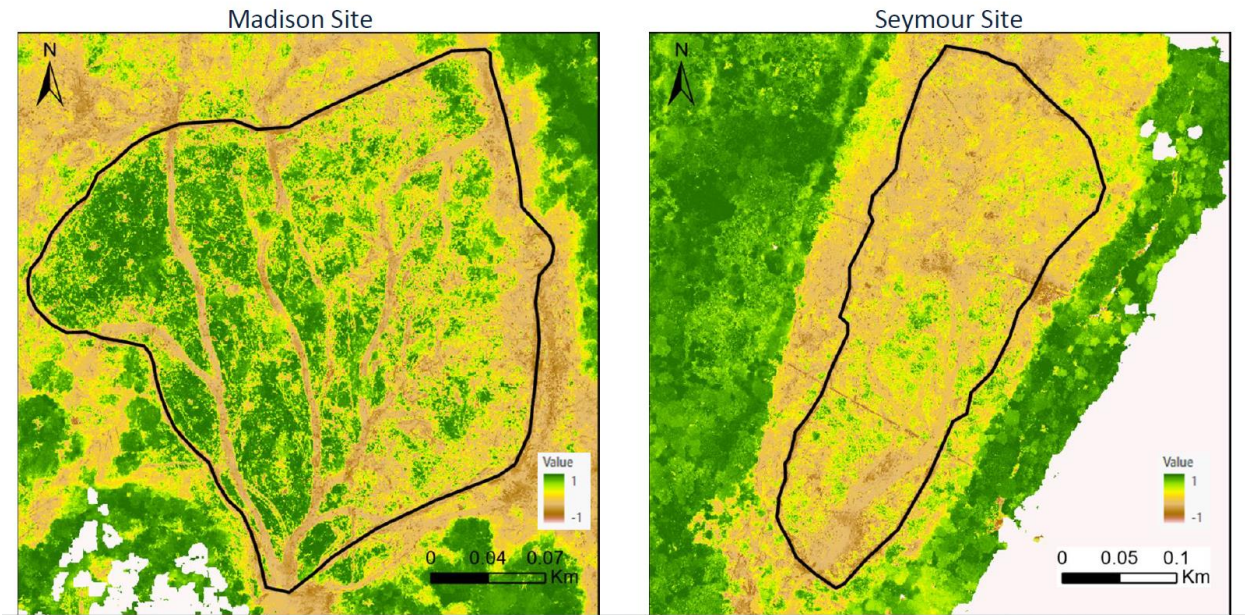
Another benefit of LiDAR data is the ability to track slash wall deterioration over time. Through generated data, the UConn team is able to determine slash wall locations that may need fortification over time due to natural deterioration of the organic matter. This data will help determine proper slash wall height at project initiation to avoid future maintenance needs.

This RWA funded effort has provided informative data about slash wall management and effectiveness over time; however, a multi-year dataset will be critical to understanding full-scale slash wall effectiveness on forest regrowth, which has not been evaluated for plots of this size in our state.

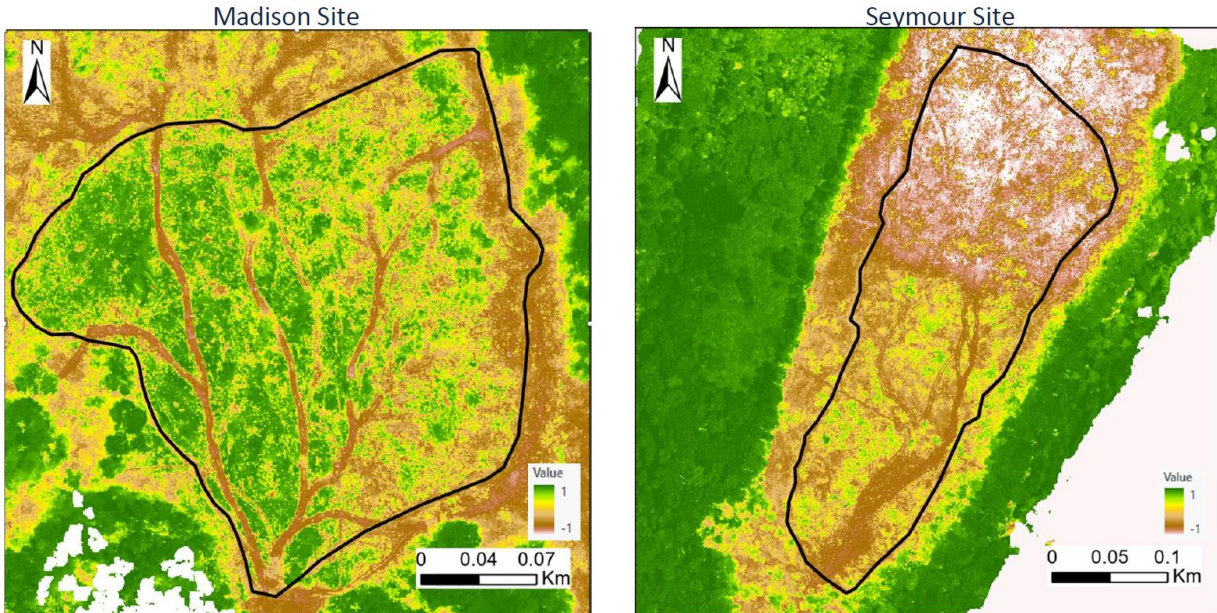
## Orthophoto Mosaics



# Normalized Difference Vegetation Index (NDVI)

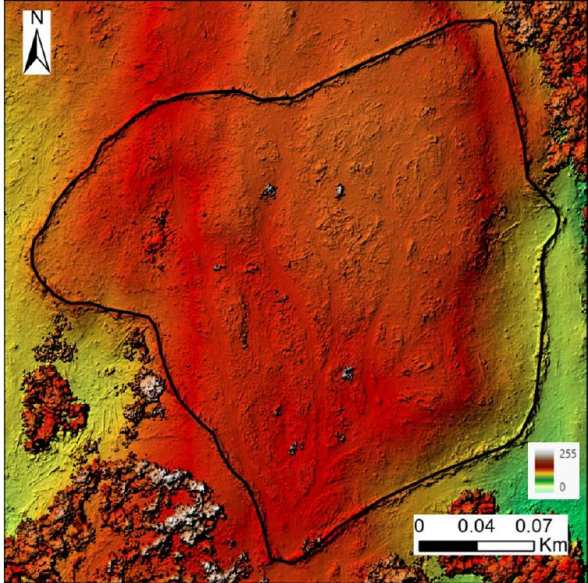


# Normalized Difference Red Edge Index (NDRE)

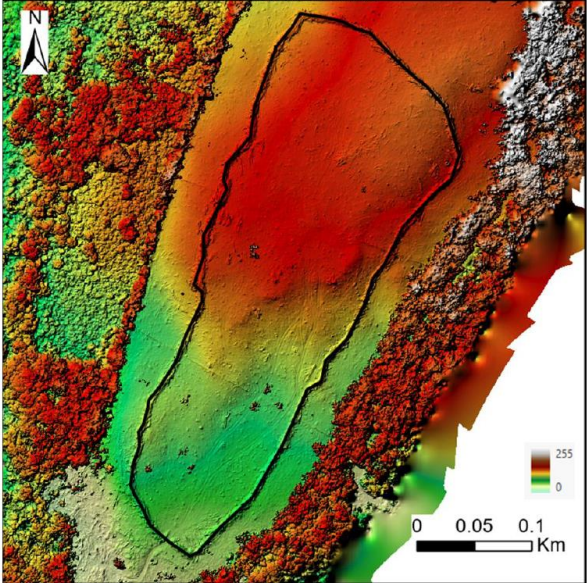


# Digital Elevation Models (DEM)

Madison Site

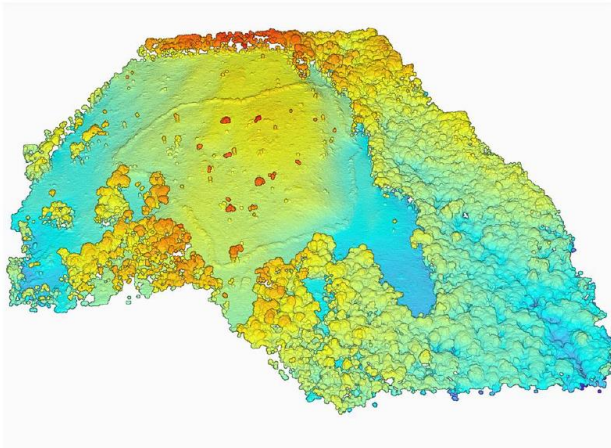


Seymour Site

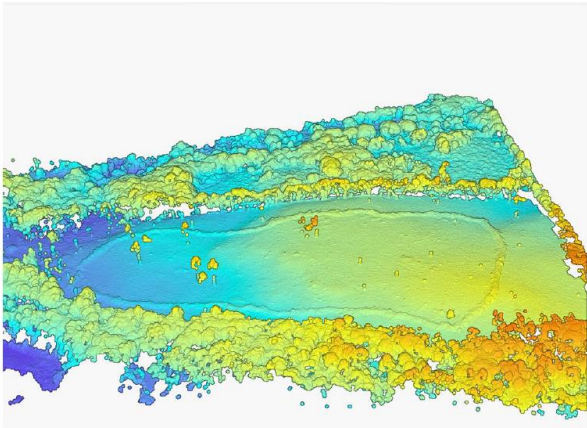


# Photogrammetric Point Clouds

Madison Site



Seymour Site





LiDAR - Madison



LiDAR – Seymour



RWA Environmental, Health, and Safety Committee  
FY2024 Work Plan

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The Committee shall review, provide oversight of and monitor (a) the RWA’s environmental, health and safety policies, practices and actions; (b) trends and emerging issues at the legislative, regulatory and judicial levels concerning environmental, health and safety issues that affect the RWA, along with its positions and responses with respect thereto; and (c) Maintain an explicit, visible and communicated commitment to Business Continuity/Emergency Preparedness.

**May 2023**

Water Supply Plan Update  
2023 Legislative Session Update  
Environmental Compliance Update

**November 2023**

PFAS Legislative Updates  
PFAS – RWA Initiatives  
2024 Legislative Session Outlook

**August 2023**

Lead and Copper rule update  
FY24 Business Continuity Work Plan  
HazWaste Central Update

**March 2024**

Raw Water Quality Study  
Health and Safety Initiatives Update  
Invasive Species Update

**Additional topics:**  
Recreation Program Update  
Water Quality Regulations Update  
Deer Management Update  
Health and Safety Initiatives

South Central Connecticut Regional Water Authority  
Minutes of the February 23, 2023 Meeting

A regular meeting of the South Central Connecticut Regional Water Authority (“RWA” or “Authority”) took place on Thursday, February 23, 2023, at 90 Sargent Drive, New Haven Connecticut and via remote access. Chairman Borowy presided.

**Present:** Authority Members Present – Messrs. Borowy, Curseaden, and Mss. LaMarr and Sack  
Management – Mss. Kowalski, Augur, and Calo, and Messrs. Bingaman, Donovan, Hill, Lakshminarayanan, and Singh  
RPB – Mr. Havrda  
CliftonLarsonAllen: Messrs. Flint and Nossek  
Staff – Mrs. Slubowski

Chair Borowy called the meeting to order at 12:30 p.m.

At 12:31 p.m., Chair Borowy called a moment of silence for the late Tony DiSalvo.

Mrs. Calo, the RWA’s Sr. Director, Employee Relations & HR Operations, reviewed the Safety Moment distributed to members.

Chair Borowy offered the opportunity for members of the public to comment. There were no members of the public present at the meeting.

At 12:34 p.m., on motion made by Ms. LaMarr, seconded by Ms. Sack, and unanimously carried, the Authority voted to recess the regular meeting to meet as the Audit-Risk Committee.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Sack	Aye

At 12:43 p.m., Messrs. Flint and Nossek withdrew from the meeting and the Authority reconvened.

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

1. Minutes of the January 26, 2023 meeting.
2. Capital Budget Authorization for March 2023.

**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 \$5,400,000 for the month of March 2023 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 (no action required) – March 2023
4. Monthly Financial Report – January 2023
5. Accounts Receivable Update – January 2023
6. Report on Code of Ethics Compliance for period ended November 30, 2022
7. Beekeeper Activities Update Memorandum – Environmental, Health & Safety

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Sack	Aye

Ms. Kowalski, the RWA's Vice President & Chief Financial Officer, reported on a Type B Amendment for Authority approval to transfer funds to the Lake Gaillard Water Treatment Plant Clarifiers & Recycle Building Improvements.

Ms. LaMarr moved for approval of the following resolution:

**RESOLVED**, that the Authority approves the transfer of \$550,000 from the West River Water Treatment Plant Improvements capital budget account to the Lake Gaillard Water Treatment Plan Clarifies & Recycle Building Improvements capital budget account.

Ms. Sack seconded the motion. The Chair called for the vote:

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Sack	Aye

Chair Borowy stated that with Mr. DiSalvo's passing there was a vacancy on the board of the Claire C. Bennett Watershed Fund ("CCB WSF"). According to the CCB WSF Bylaws, one member of the Authority must act as a director on the CCB WSF. After discussion, it was the consensus of the Authority to nominate Ms. LaMarr for appointment to the CCB WSF Board of Directors, effective immediately. On motion made by Ms. Sack, seconded by Mr. Curseaden, and unanimously carried, the board voted to appoint Ms. LaMarr to the Claire C. Bennett Watershed Fund Board of Directors.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Sack	Aye

Authority members reported on recent Representative Policy Board committee meetings.

At 12:54 p.m., Mr. Havrda withdrew from the meeting and on motion made by Ms. LaMarr, seconded by Ms. Sack, and unanimously carried, the Authority voted to recess the regular meeting to meet as the Strategic Planning Committee.

Borowy	Aye
Curseaden	Aye

LaMarr	Aye
Sack	Aye

At 1:57 p.m., the Authority reconvened and the meeting adjourned

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Sack	Aye

Respectfully submitted,


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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  
Catherine E. LaMarr  
Suzanne C. Sack

**FROM:**  Rochelle Kowalski  
Vice President & Chief Financial Officer

**DATE:** March 17, 2023

**SUBJECT:** Capital budget authorization request for April 2023

Attached for your meeting on March 23, 2023 is a copy of the resolution authorizing expenditures against the capital improvement budget for April 2023. The amount of the requested authorization, for funds held by the trustee, is \$7,500,000.

This would result in projected expenditures through April 2023 of \$38,118,324 or 79.4% 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 \$7,500,000 for the month of April 2023 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  
 Catherine LaMarr  
 Suzanne C. Sack

FROM:  Rochelle Kowalski

DATE: March 17, 2023

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
90 Sargent Drive Building Alternatives	\$450,000	Contingency/Project Reserve
Saltonstall Ridge Tank Power Vent	194,000	Critical Pump Stations & Transmission Facilities Upgrades
Saltonstall Ridge Tank Power Vent	49,000	4" Dri-Prime Diesel Pump
Prospect Dam Improvements	27,000	Furnace Pond Water Quality Improvements
Prospect Dam Improvements	54,000	90 Sargent Drive Stockyard Pilings
Lake Gaillard WTP Local Console Upgrade	122,000	Lake Whitney WTP HVAC Improvements
Lake Gaillard WTP Sodium Hypochlorite Tanks Replacement	42,000	PCCP Repair Parts
SAP SQL Upgrade	47,000	Security Upgrades



CAPITAL BUDGET AMENDMENT REQUEST

Request Date:	3/16/2023	Type	Log	Mo/Yr
Requesting Division:	Engineering & Environmental Services	B2	23-37	Mar 23
Requested By:	Sunny Lakshminarayanan			

<b>Transfer From:</b>	
Account Number:	001-000-107190-100093
Project Description:	90 Sargent Drive Building Alternatives
A) Original Budget	\$ 507,211
B) Total Previous Transfers (In or Out)	\$ -
C) This Transfer	\$ 450,000
D) Revised Budget (A+/-B-C)	\$ 57,211
E) Estimated Project Costs	\$ -
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 57,211
Explanation why funds are available: An analysis of alternatives is presently underway. Expenditures for FY 2023 will be under budget. Funds are to be moved into the contingency/project reserve to be held for use in FY 2024.	

<b>Transfer To:</b>	
Account Number:	N/A
Project Description:	Contingency
A) Original Budget	\$ 450,000
B) Previous Transfers (In or Out)	\$ 8,955,000
C) Revised Budget (A+/-B)	\$ 9,405,000
D) Amount to be Transferred	\$ 450,000
E) Proposed Revised Budget (C+D)	\$ 9,855,000
Explanation why funds are needed: This amendment will transfer funds from the CIS project into the project reserve portion of contingency, to be held for use in FY 2024 on the project.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	3/14/2023
2) Donor Vice President/Director	<i>approved at CMC</i>	3/14/2023
3) Vice President - Finance	<i>approved at CMC</i>	3/14/2023
4) Executive Vice President & Chief Operating Officer		
5) Chief Executive Officer	<i>approved at CMC</i>	3/14/2023
6) Authority Members	Copy of minutes attached if required	

CAPITAL BUDGET AMENDMENT REQUEST

Request Date:	3/16/2023	Type	Log	Mo/Yr
Requesting Division:	Operations	B2	23-38	Mar 23
Requested By:	Jim Hill			

<b>Transfer From:</b>	
Account Number:	001-000-107142-046149
Project Description:	Saltonstall Ridge Tank Power Vent
A) Original Budget	\$ 250,000
B) Total Previous Transfers (In or Out)	\$ -
C) This Transfer	\$ 194,000
D) Revised Budget (A+/-B-C)	\$ 56,000
E) Estimated Project Costs	\$ -
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 56,000
Explanation why funds are available: This project has been deferred because the tank cannot be taken out of service for the length of time required to do the work. Alternatives to to reducing DBP's in Lake Saltonstall Water Treatment Plant's finished water have been identified.	

<b>Transfer To:</b>	
Account Number:	001-000-107125-000045
Project Description:	Critical Pump Station & Transmission Facilities Upgrades
A) Original Budget	\$ 100,000
B) Previous Transfers (In or Out)	\$ 70,000
C) Revised Budget (A+/-B)	\$ 170,000
D) Amount to be Transferred	\$ 194,000
E) Proposed Revised Budget (C+D)	\$ 364,000
Explanation why funds are needed: This amendment will fund several improvements, including the rehabilitation of Pump #4 and minor electrical improvements at the Lake Gaillard Pump Station, electrical improvements at the Lake Dawson Pump Station, and installation of a bypass at the Burwell Hill Pump Station. Work at the Lake Gaillard Pump Station includes upgrades to existing electrical equipment. Improvements at the Lake Dawson Pump Station consists of installation of electrical conduit between the Lake Dawson Pump Station and the Woodbridge Pump Station to provide electrical service backup to the Lake Dawson Pump Station via the generator at the Woodbridge Pump Station. Work at Burwell Hill Pump Station consists of the installation of permanent connections for bypass piping. The total cost of these improvements is \$194,000.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	3/14/2023
2) Donor Vice President/Director	<i>approved at CMC</i>	3/14/2023
3) Vice President - Finance	<i>approved at CMC</i>	3/14/2023
4) Executive Vice President & Chief Operating Officer		
5) Chief Executive Officer	<i>approved at CMC</i>	3/14/2023
6) Authority Members	Copy of minutes attached if required	

CAPITAL BUDGET AMENDMENT REQUEST

Request Date:	3/16/2023	Type	Log	Mo/Yr
Requesting Division:	Operations	B1	23-39	Mar 23
Requested By:	Dan Peschell			

<b>Transfer From:</b>	
Account Number:	001-000-107142-046149
Project Description:	Saltonstall Ridge Tank Power Vent
A) Original Budget	\$ 250,000
B) Total Previous Transfers (In or Out)	\$ 194,000
C) This Transfer	\$ 49,000
D) Revised Budget (A+/-B-C)	\$ 7,000
E) Estimated Project Costs	\$ -
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 7,000
Explanation why funds are available: This project has been deferred because the tank cannot be taken out of service for the length of time required to do the work. Alternatives to to reducing DBP's in Lake Saltonstall Water Treatment Plant's finished water have been identified.	

<b>Transfer To:</b>	
Account Number:	001-000-107198-100439
Project Description:	4-Inch Dri-Prime Diesel Pump
A) Original Budget	\$ -
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ -
D) Amount to be Transferred	\$ 49,000
E) Proposed Revised Budget (C+D)	\$ 49,000
Explanation why funds are needed: This amendment will fund the purchase of a 4-inch Dri-Prime Diesel Pump that will serve as a backup to our existing Godwin pump. Usage of 4" pumps has increased, and a backup pump is necessary for emergency dewatering operations when the existing Godwin pump is in use elsewhere. The total cost of this pump is \$49,000.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	3/14/2023
2) Donor Vice President/Director	<i>approved at CMC</i>	3/14/2023
3) Vice President - Finance	<i>approved at CMC</i>	3/14/2023
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:	3/16/2023	Type	Log	Mo/Yr
Requesting Division:	Engineering & Environmental Services	B1	23-40	Mar 23
Requested By:	William Henley			

<b>Transfer From:</b>	
Account Number:	001-000-107112-140030
Project Description:	Prospect Dam Improvements
A) Original Budget	\$ 250,000
B) Total Previous Transfers (In or Out)	\$ -
C) This Transfer	\$ 27,000
D) Revised Budget (A+/-B-C)	\$ 223,000
E) Estimated Project Costs	\$ 150,000
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 73,000
Explanation why funds are available: Project work for FY 2023 is anticipated to complete under budget.	

<b>Transfer To:</b>	
Account Number:	001-000-107112-046910
Project Description:	Furnace Pond Water Quality Improvements
A) Original Budget	\$ -
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ -
D) Amount to be Transferred	\$ 27,000
E) Proposed Revised Budget (C+D)	\$ 27,000
Explanation why funds are needed: This amendment will fund the acceleration of work on this planned multi-year project that is scheduled to begin in FY 2024. The project includes the installation of automated valves at Furnace Pond. As a first step in the project, new electrical service is required at the Furnace Pond Dam site. Because lead times on transformers is approximately 4-5 months, to meet capital scheduling goals we would like to have United Illuminating begin this work as soon as possible. United Illuminating requires payment up front prior to scheduling this work. The total cost for United Illuminating's portion of the work is estimated at \$27,000.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	3/14/2023
2) Donor Vice President/Director	<i>approved at CMC</i>	3/14/2023
3) Vice President - Finance	<i>approved at CMC</i>	3/14/2023
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:	3/16/2023	Type	Log	Mo/Yr
Requesting Division:	Operations	B1	23-41	Mar 23
Requested By:	Charles Gaura			

<b>Transfer From:</b>	
Account Number:	001-000-107112-140030
Project Description:	Prospect Dam Improvements
A) Original Budget	\$ 250,000
B) Total Previous Transfers (In or Out)	\$ 27,000
C) This Transfer	\$ 54,000
D) Revised Budget (A+/-B-C)	\$ 169,000
E) Estimated Project Costs	\$ 150,000
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 19,000
Explanation why funds are available: Project work for FY 2023 is anticipated to complete under budget.	

<b>Transfer To:</b>	
Account Number:	001-000-107190-104380
Project Description:	90 Sargent Drive Stockyard Pilings
A) Original Budget	\$ 30,000
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ 30,000
D) Amount to be Transferred	\$ 54,000
E) Proposed Revised Budget (C+D)	\$ 84,000
Explanation why funds are needed: This amendment will add additional funds to the existing FY 2023 project to replace concrete pilings under the shelving in the stockyard at 90 Sargent Drive. These pilings are planned for replacement due to age and deteriorated condition. Due to increases in material costs, an additional \$54,000 is necessary to complete this work. Total cost of the project is estimated at \$84,000.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	3/14/2023
2) Donor Vice President/Director	<i>approved at CMC</i>	3/14/2023
3) Vice President - Finance	<i>approved at CMC</i>	3/14/2023
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:	3/16/2023	Type	Log	Mo/Yr
Requesting Division:	Operations	B2	23-42	Mar 23
Requested By:	Charles Gaura			

<b>Transfer From:</b>	
Account Number:	001-000-107132-116114
Project Description:	Lake Gaillard Water Treatment Plant Local Console Upgrades
A) Original Budget	\$ 375,000
B) Total Previous Transfers (In or Out)	\$ -
C) This Transfer	\$ 122,000
D) Revised Budget (A+/-B-C)	\$ 253,000
E) Estimated Project Costs	\$ 250,000
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 3,000
Explanation why funds are available: As a result of material delivery delays, project work for FY 2023 will complete under budget. Project has been rebudgeted for FY 2024.	

<b>Transfer To:</b>	
Account Number:	001-000-107132-066013
Project Description:	Lake Whitney Water Treatment Plant HVAC Upgrades
A) Original Budget	\$ -
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ -
D) Amount to be Transferred	\$ 122,000
E) Proposed Revised Budget (C+D)	\$ 122,000
Explanation why funds are needed: This amendment will fund the replacement of VFD's, a hot water pump, and heat pump compressor, and other equipment necessary for the efficient operation of the HVAC system at the Lake Whitney Water Treatment Plant. Total cost is estimated at \$122,000.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	3/14/2023
2) Donor Vice President/Director	<i>approved at CMC</i>	3/14/2023
3) Vice President - Finance	<i>approved at CMC</i>	3/14/2023
4) Executive Vice President & Chief Operating Officer		
5) Chief Executive Officer	<i>approved at CMC</i>	3/14/2023
6) Authority Members	Copy of minutes attached if required	

CAPITAL BUDGET AMENDMENT REQUEST

Request Date:	3/16/2023	Type	Log	Mo/Yr
Requesting Division:	Operations	B1	23-43	Mar 23
Requested By:	Jim Hill			

<b>Transfer From:</b>	
Account Number:	001-000-107132-116124
Project Description:	Lake Gaillard Water Treatment Plant Local Console Upgrades
A) Original Budget	\$ 600,000
B) Total Previous Transfers (In or Out)	\$ 240,000
C) This Transfer	\$ 42,000
D) Revised Budget (A+/-B-C)	\$ 318,000
E) Estimated Project Costs	\$ 300,000
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 18,000
Explanation why funds are available: Project work for FY 23 was completed under budget.	

<b>Transfer To:</b>	
Account Number:	001-000-107143-100438
Project Description:	PCCP Repair Parts
A) Original Budget	\$ -
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ -
D) Amount to be Transferred	\$ 42,000
E) Proposed Revised Budget (C+D)	\$ 42,000
Explanation why funds are needed: This amendment will fund the purchase of some of the repair parts necessary for the Authority's 30" and 48" pre-cast concrete pipe in the distribution system. There is a total of approximately 12.2 miles of this pipe within the distribution system, and as a result of lead times for these parts, our ability to respond in a timely manner to a failure on one of these lines would be impaired. This purchase is in accordance with our established critical component stocking program.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	3/14/2023
2) Donor Vice President/Director	<i>approved at CMC</i>	3/14/2023
3) Vice President - Finance	<i>approved at CMC</i>	3/14/2023
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:	3/16/2023	Type	Log	Mo/Yr
Requesting Division:	Human Resources Operations	B1	23-44	Mar 23
Requested By:	Paul Ruggiero			

<b>Transfer From:</b>	
Account Number:	001-000-107181-100031
Project Description:	SAP SQL Upgrades
A) Original Budget	\$ 100,000
B) Total Previous Transfers (In or Out)	\$ -
C) This Transfer	\$ 47,000
D) Revised Budget (A+/-B-C)	\$ 53,000
E) Estimated Project Costs	\$ 5,700
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 47,300
Explanation why funds are available: Project work for FY 23 was completed under budget.	

<b>Transfer To:</b>	
Account Number:	001-000-107198-100440
Project Description:	Security Upgrades
A) Original Budget	\$ -
B) Previous Transfers (In or Out)	\$ -
C) Revised Budget (A+/-B)	\$ -
D) Amount to be Transferred	\$ 47,000
E) Proposed Revised Budget (C+D)	\$ 47,000
Explanation why funds are needed: This amendment will accelerate the planned multi-year project for Security Upgrades at various locations scheduled to begin in FY 2024. Work to be accelerated in FY 2023 includes the installation of a camera at the Gaillard Tool Shed and replacement of damaged chain link fence and the installation of three-strand barbed wire on the fencing at the West River Water Treatment Plant. These upgrades are in accordance with recommendations made in the Department of Homeland Security's "Infrastructure and Resilience" report. Total cost for project work in FY 2023 is estimated at \$47,000.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	3/14/2023
2) Donor Vice President/Director	<i>approved at CMC</i>	3/14/2023
3) Vice President - Finance	<i>approved at CMC</i>	3/14/2023
4) Executive Vice President & Chief Operating Officer		
5) Chief Executive Officer		
6) Authority Members	Copy of minutes attached if required	



**South Central Regional Water Authority**

**Analysis of Accounts Receivable ("A/R")**

(\$000 omitted)

Denotes City of New Haven Invoicing (pre-monthly billing)

**Total Accounts Receivable Aging (in days)**

	Feb 2023	Jan 2023	Dec 2022	Nov 2022	Oct 2022	Sept 2022	Aug 2022	July 2022	June 2022	May 2022	April 2022	March 2022	Feb 2022
Under 30	\$ 5,926	\$ 6,550	\$ 6,158	\$ 6,197	\$ 7,228	\$ 8,082	\$ 7,220	\$ 8,465	\$ 6,543	\$ 5,880	\$ 6,441	\$ 4,820	\$ 6,617
31-60	1,865	1,621	1,910	2,267	2,454	2,403	2,481	2,216	1,620	1,819	1,493	1,855	3,164
61-90	1,062	1,070	1,053	966	868	1,222	882	731	1,002	737	1,002	1,573	1,501
91-180	1,583	1,558	1,516	1,382	1,492	1,603	1,476	1,714	1,737	2,062	1,965	1,756	1,589
181-360	1,680	1,890	1,828	2,159	2,083	2,014	2,201	1,889	1,606	1,531	1,644	1,918	1,891
More than 1 year	5,263	5,239	5,085	4,950	5,090	5,181	4,991	5,085	5,169	5,123	5,311	5,368	5,217
Sub Total	17,379	17,928	17,550	17,921	19,215	20,505	19,251	20,100	17,677	17,152	17,856	17,290	19,979
Interest due	1,699	1,674	1,651	1,648	1,624	1,629	1,561	1,502	1,458	1,464	1,430	1,433	1,388
Total Gross A/R plus interest	\$ 19,078	\$ 19,602	\$ 19,201	\$ 19,569	\$ 20,839	\$ 22,134	\$ 20,812	\$ 21,602	\$ 19,135	\$ 18,616	\$ 19,286	\$ 18,723	\$ 21,367

**Aged Accounts Receivable Focus of Collection Efforts**

	Feb 2023	Jan 2023	Dec 2022	Nov 2022	Oct 2022	Sept 2022	Aug 2022	July 2022	June 2022	May 2022	April 2022	March 2022	Feb 2022
<b>Greater than 60 days:</b>													
A/R	\$ 11,020	\$ 11,172	\$ 10,864	\$ 10,820	\$ 10,879	\$ 11,378	\$ 10,956	\$ 10,666	\$ 10,702	\$ 10,643	\$ 11,067	\$ 11,724	\$ 11,281
Less: Multi-Tenants	(2,806)	(2,923)	(2,831)	(2,900)	(2,931)	(2,812)	(2,762)	(2,690)	(2,496)	(2,508)	(2,694)	(2,640)	(3,052)
Receiverships	(2,013)	(1,996)	(1,981)	(1,975)	(1,957)	(1,976)	(1,952)	(1,962)	(1,900)	(1,962)	(1,704)	(1,983)	(1,992)
Liens	(1,793)	(1,835)	(1,867)	(1,808)	(1,803)	(2,069)	(2,105)	(2,210)	(2,455)	(2,435)	(2,545)	(2,469)	(2,370)
Total	\$ 4,408	\$ 4,418	\$ 4,185	\$ 4,137	\$ 4,188	\$ 4,521	\$ 4,137	\$ 3,804	\$ 3,851	\$ 3,738	\$ 4,124	\$ 4,632	\$ 3,867
	40%	40%	39%	38%	38%	40%	38%	36%	36%	35%	37%	40%	34%

**Collection Efforts**

	Feb 2023	Jan 2023	Dec 2022	Nov 2022	Oct 2022	Sept 2022	Aug 2022	July 2022	June 2022	May 2022	April 2022	March 2022	Feb 2022
Shuts *	\$ 48	\$ 51	\$ 61	\$ 80	\$ 143	\$ 1	\$ 2	\$ 1	\$ 6	\$ 2	\$ -	\$ -	\$ -
Red Tags **	-	-	-	-	-	-	-	-	-	-	-	-	-
Receivers	-	2	44	64	34	47	27	17	30	41	22	14	27
Top 100 Collection Calls	25	216	-	-	39	119	834	385	683	496	726	649	588
Other <sup>(1)</sup>	1,500	1,346	1,550	1,665	1,890	1,227	576	1,441	922	1,204	1,496	1,082	1,310
Total	\$ 1,573	\$ 1,615	\$ 1,655	\$ 1,809	\$ 2,106	\$ 1,394	\$ 1,439	\$ 1,844	\$ 1,641	\$ 1,743	\$ 2,244	\$ 1,745	\$ 1,925

\* Number of shuts

\*\* Number of Red tags

<sup>(1)</sup> Includes: Notices and letters and legal initiatives.

**MEMORANDUM**

**TO:**

David J. Borowy  
Kevin J. Curseaden  
Catherine E. LaMarr  
Suzanne C. Sack

**FROM:**

Larry Bingaman

**DATE:**

March 23, 2023

**SUBJECT:** Key Performance Indicator (KPI) Report for Fiscal 2023 Third Quarter  
(December 2022 – February 2023)











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Attached is the Key Performance Indicator (KPI) Report for Fiscal 2023 Third Quarter  
(December 2022 – February 2023).

Fiscal 2023 KPI's are tracked quarterly and are essentially on target.

All initiatives sustain key strategies that connect back to the 2025 Strategic Plan and Fiscal 2023 objectives, and are based on the four perspectives of the Balanced Scorecard.

Attachment

Key Performance Indicators FY23 Q3 Update   February 28, 2023					
KPI Name	Level	Description	Status	FY23 Target	FY23 Q3 Commentary
Customer Satisfaction	Global	Address four areas for improvement identified in 2019 Customer Satisfaction Survey by developing and deploying cross-departmental plans and programs.		4 Areas of Improvement	Development and communications plans are underway for four areas targeted for improvement: 1) value of water; 2) first-call resolution; 3) knowledge of field personnel; 4) environmental stewardship. We are projecting to meet this target.
Safety	Global	Continue the safety journey toward achieving zero preventable injuries.		0 Preventable Injuries	To date, there have been four preventable injuries in fiscal 2023. A new near miss reporting tool and updated program are in place. Additionally, our Safety Ambassador program launched, which represents every Division of the RWA and focuses a portion of each meeting on training related to hazard recognition and safety leadership.
DE&I and Employee Engagement	Global	Address two areas of improvement in response to recent employee surveys about DE&I and engagement.		2 Opportunities for Improvement	To address two areas of improvement opportunities identified in employee surveys 1) employee engagement; 2) employee well-being, we held a companywide Safety Cookout; conducted an employee wellbeing campaign called the Step Challenge; and held an all-employee New Year business breakfast at the New Haven Lawn Club with more engagement opportunities planned throughout the fourth quarter. We are projecting to exceed this target.
Cybersecurity	Global	Achieve 100% compliance with deploying four phishing campaigns supported by real-time training to keep network and critical data secure.		100% Compliance	IT Department has completed three phishing campaigns to date followed by real-time training. A fourth campaign is scheduled for the fourth quarter. We are projecting to meet this target.
Process Improvements	Global	Implement at least four process improvements to bolster efficiency and productivity across the enterprise.		4 Process Improvements	Committed to delivering four of six business improvements; as of the third quarter, three are complete: 1) intranet improvements; 2) commercial business field productivity; 3) construction and jobbing; three remain in progress: 1) capital planning; 2) Integrated Voice Response; 3) Laboratory Management System technology. We are projecting to exceed this target.
Discretionary Funds	Global	Achieve in excess of 114% coverage without a draw from discretionary funds.		>114% Coverage	We are projecting to exceed 114% coverage with no draw.
Capital Efficiencies	Global	Certify 96% of capital budget is put to work efficiently for the benefit of our customers.		96% of Capital Budget	While capital spending is behind, we are anticipating meeting this target. We are monitoring supply chain impacts and may further need to reserve funds due to supply chain challenges and/or accelerate projects into fiscal 2023.
Commercial Services Revenue	Executive	Achieve commercial businesses EBITDA of \$7.0M in FY23 to support overall target of \$9.2M for FY25.		\$7.0 Million in Revenue	Progress continues to enhance the RWA's commercial services growth and to offer a broader suite of services to more customers. We have two potential plumbing company acquisitions moving through the pipeline. We are projecting to deliver above budget, but not meet the \$7 million stretch target.
Manage and Maintain Core Utility	Executive	Utilize the Risk Mitigation Team to target five new risk perspectives and deploy action plans.		5 Action Plans	Committed to five risks with controls: 1) insider threat; 2) third-party hosted data; 3) lead and copper rule compliance; 4) mergers and acquisitions; and 5) reservoir water quality; team added three new risks based on additional insight: 1) HR compliance; 2) technology obsolescence; 3) cyber insurance coverage. We are projecting to exceed the original target.
Water Quality	Executive	Maintain 100% compliance with drinking water standards by ensuring that 90% of disinfection by-product tests are at least 10% below maximum drinking water thresholds.		100% Compliance	There were no near misses for THMs and HAAs during our last compliance-sampling period. We are projecting to meet this target.
Customer Self Service	Executive	Increase the number of customers who receive their bill electronically.		35% Participation Rate	As of February 28, 2023 <small>Confidential Information - For Board Use Only - Do not Redistribute</small> Page 56 of 85 adoption rate. We are projecting to meet this target.

**Representative Policy Board  
Dashboard Metric - 3Q FY23**

Metrics	Quarter ended 02/28/22 (3Q FY 2022)	Quarter ended 8/31/22 (1Q FY 2023)	Quarter ended 11/30/22 (2Q FY 2023)	Quarter ended 02/28/23 (3Q FY 2023)
<b>Financial Metrics</b>				
Coverage	Budget: 1.14 w/o draw	Budget: 1.14 w/o draw	Budget: 1.14 w/o draw	Budget: 1.14 w/o draw
	Projected: <b>1.25 w/o draw</b>	Projected: <b>1.16 w/o draw</b>	Projected: <b>1.23 w/o draw</b>	Projected: <b>1.26 w/o draw</b>
Draw Requirement	Budget: \$922k	Budget: \$0 million	Budget: \$0 million	Budget: \$0 million
	Projected: <b>\$0 million</b>	Projected: <b>\$0 million</b>	Projected: <b>\$0 million</b>	Projected: <b>\$0 million</b>
Capital Expenditures to Budget (Note 1)	Budget: \$17.919 million	Budget: \$7.246 million	Budget: \$20.726 million	Budget: \$30.755 million
	Result: <b>\$15.206 million/37.7% of total fiscal year budget</b>	Result: <b>\$5.616 million/10.3% of total fiscal year budget</b>	Result: <b>\$14.232 million/26.0% of total fiscal year budget</b>	Result: <b>\$24.455 million/54.4% of total fiscal year budget</b>
Aged Account Receivables - Total Water (Note 2)	Feb 2020: \$6,659,551	Feb 2020: \$6,659,551	Feb 2020: \$6,659,551	Feb 2020: \$6,659,551
	Feb. 2022 : <b>\$9,108,429 (+36.8%)</b>	Aug. 2022 : <b>\$8,951,804 (+34.4%)</b>	Nov. 2022 : <b>\$8,799,889 (+32.1%)</b>	Nov. 2022 : <b>\$8,682,202 (+30.4%)</b>
Aged Account Receivables - Residential (Note 2)	Feb 2020: \$5,833,160	Feb 2020: \$5,833,160	Feb 2020: \$5,833,160	Feb 2020: \$5,833,160
	Feb. 2022 : <b>\$8,630,280 (+48.0%)</b>	Aug. 2022 : <b>\$8,449,516 (+44.9%)</b>	Nov. 2022 : <b>\$8,236,243 (+41.2%)</b>	Nov. 2022 : <b>\$8,135,230 (+39.5%)</b>
Pension Market Values (Note 3)	Feb. Mkt Value: <b>\$69,252,207</b>	Aug. Mkt Value: <b>\$66,527,775</b>	Oct. Mkt Value: <b>\$62,396,715</b>	Feb. Mkt Value: <b>\$64,571,575</b>
	Dec 2022 Mkt. Value: <b>\$74,033,090</b>	June 2022 Mkt. Value: <b>\$63,189,971</b>	Sept 2022 Mkt. Value: <b>\$60,072,550</b>	Dec 2022 Mkt. Value: <b>\$63,735,939</b>
	Dec Return: <b>4.45%</b>	June Return: <b>Negative 10.6%</b>	Sept Return: <b>Negative 9.8%</b>	Dec Return: <b>Negative 12.85%</b>
	Actuarial Return Assumption: <b>6.75%</b>	Actuarial Return Assumption: <b>6.75%</b>	Actuarial Return Assumption: <b>6.75%</b>	Actuarial Return Assumption: <b>6.75%</b>


**Representative Policy Board**  
**Dashboard Metric - 3Q FY23**

Metrics	Quarter ended 02/28/22 (3Q FY 2022)	Quarter ended 8/31/22 (1Q FY 2023)	Quarter ended 11/30/22 (2Q FY 2023)	Quarter ended 02/28/23 (3Q FY 2023)
<b>System Metrics</b>				
<i>Average Daily Production (Draft) to Budget (MGD)/Prior Year (MGD)</i>	Prior Year: 46.413 MGD	Prior Year: 53.416 MGD	Prior Year: 48.344 MGD	Prior Year: 44.734 MGD
	Result: <b>44.734 MGD</b>	Result: <b>55.730 MGD</b>	Result: <b>48.863 MGD</b>	Result: <b>44.788 MGD</b>
<i>Disinfection By-products</i>	Target: 100%	Target: 100%	Target: 100%	Target: 100%
	Result: <b>100%*</b>	Result: <b>100%*</b>	Result: <b>100%*</b>	Result: <b>100%*</b>
	* As of Dec. 31, 2021, updated	* As of June 30, 2022, updated	* As of Sept. 30, 2022, updated	* As of Dec. 31, 2022, updated
<i>Net Unaccounted For Water (annualized)</i>	Target: 10.0%	Target: 10.0%	Target: 10.0%	Target: 10.0%
	Result: <b>11.82%</b> for the annualized period of Dec. 2020 to Nov. 2021	Result: <b>13.85%</b> for the annualized period of June 2021 to May 2022	Result: <b>12.04%</b> for the annualized period of Sept. 2021 to August 2022	Result: <b>11.72%</b> for the annualized period of Dec. 2021 to Nov. 2022
<i>Service Disruptions (Notes 4 and 5): Due to Main Breaks</i>				
<i>Number of Disruptions</i>	Result: 30	Result: 11	Result: 6	Result: 22
<i>Number of Customers Impacted</i>	Result: 464	Result: 217	Result: 48	Result: 241
<i>Avg. Period Customers are w/o Water</i>	Target: 6	Target: 6	Target: 6	Target: 6
	Result: 3.3	Result: 3.9	Result: 3.1	Result: 3.7
<i>Water Quality (Notes 5 and 6): Discolored Water - System/Hydraulics</i>				
<i>Number of Complaints</i>	Result: 112	Result: 133	Result: 91	Result: 92

- Notes:
- Note 1: Excludes State and Redevelopment, Growth Fund, and contingency/reserve. Percentage is of fiscal year budget. 3Q 2023 reflects amendments, pending Authority approval
  - Note 2: Reflects aged receivables over 90 days - total water and total residential. Comparison is to pre-pandemic level
  - Note 3: Fiscal year-end based on audited financials. Other quarters based on latest available reports and net returns
  - Note 4: This metric may be later expanded to other types of service disruptions with the same statistics
  - Note 5: For fiscal 2023 reflect quarterly information. In fiscal 2024, can be adjusted to reflect fiscal year-to-date
  - Note 6: This metric may be later expanded to include time to resolve and time to respond w/associated targets

**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  
Catherine E. LaMarr  
Suzanne C. Sack

FROM:  Rochelle Kowalski  
Vice President & Chief Financial Officer

DATE: March 17, 2023

SUBJECT: Quarterly financial statements for fiscal year 2023 (ending May 31, 2023)

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Attached are the following financial reports regarding the third quarter of fiscal year 2023. i.e., the quarter ended February 28, 2023:

- Statements of net position as of February 28, 2023 and February 28, 2022;
- Schedules A-1 & A-2: Statements of revenues, expenses and changes in net position as of February 28, 2023, maintenance test, and commentary;
- Schedule B: Operating and maintenance expenses;
- Schedule C: Capital budget report;
- Schedule D: Investment earnings report - comparison of investment rates of return

The reports bulleted above incorporate the Authority's experience from June 2022 through February 2023. For the remainder of fiscal year 2023, the reports include the projections shown on schedules A-2 and B which use the assumptions explained below.

## **Schedule A-2: Statements of Revenues, Expenses and Changes in Net Position**

### Section of page entitled "Nine Months Ended February 28"

The figures shown present June through February 28 as well as comparative budget vs. actual results for the nine months ended February 28, 2023.

### Section of page entitled "Year Ending May 31, 2023"

The "budget" column is the budget for fiscal year 2023, as approved by the Five-Member Authority.

#### Assumption 1

The column labeled *Assumption 1* presents earned metered water revenues that reflect nine months (June through February 2023) of consumption and three months of budgeted consumption for (March 2023 through May 2023).

Other revenues and expenses shown in this column reflect nine months of results and three months, as projected.

#### Assumption 2

The column labeled *Assumption 2* projects consumption for the months of March 2023 through May 2023 at 4% above budget. Operating expense for "pump power" and chemicals for these same months is adjusted to reflect the 4% increase.

#### Assumption 3

The column labeled *Assumption 3* projects consumption for the months of March 2023 through May 2023 at 4% below budget. Operating expense for "pump power" and chemicals for these same months is adjusted to reflect the 4% decrease.

### Section of page entitled "Maintenance Test"

The maintenance test reflects the same three assumptions described above except that water sales are not accrued revenue, but cash collections from June through February 2023, plus projected cash collections for March 2023 through May 2023. Management assumes that the billings are collected over the course of twelve months.

**Schedule B: Operating and Maintenance Expense**

This schedule provides details of the operating and maintenance expense through the third quarter of fiscal year 2023, as well as projections for March 2023 through May 2023 under the three assumptions presented above.

**Schedule C: Capital Budget Report**

This schedule shows capital expenditures for June through February 2023, as well as projections for the full fiscal year 2023.

**Schedule D: Interest Earned**

Compared here are “budgeted” versus “actual” interest rates earned on the Authority’s invested funds.

Attachments



**REGIONAL WATER AUTHORITY  
STATEMENTS OF NET POSITION  
AS OF FEBRUARY 28, 2023 AND 2022**

Assets	FY 2023	FY 2022	Y/Y Variance
Utility plant			
Property, plant and equipment in service	\$ 941,586,774	\$ 910,063,072	\$ 31,523,702
Accumulated depreciation	(419,953,375)	(399,328,828)	(20,624,547)
Utility plant in service	521,633,399	510,734,244	10,899,155
Land	27,993,743	27,993,988	(245)
Construction work in progress	38,344,541	30,666,940	7,677,601
Total utility plant, net	587,971,683	569,395,172	18,576,510
Nonutility land, at cost	64,983,522	64,983,522	-
Goodwill	10,693,435	10,942,120	(248,685)
Current assets			
Cash and cash equivalents	61,481,229	57,780,368	3,700,861
Investments	-	-	-
Accounts receivable, less allowance for doubtful accounts	14,070,030	17,103,591	(3,033,561)
Accrued revenue	8,448,779	7,977,497	471,282
Accrued interest receivable	195,188	16,409	178,779
Materials and supplies	2,726,706	2,189,036	537,670
Prepaid expenses and other assets	5,438,327	4,728,949	709,377
Total current assets	92,360,259	89,795,851	2,564,408
Note Receivable	500,000	500,000	-
Pension Assets			
OPEB Assets			
Restricted assets	130,806,824	143,621,449	(12,814,625)
Regulatory assets	9,255,497	9,741,440	(485,943)
Total assets	896,571,221	888,979,555	7,591,666
Deferred Outflows of Resources			
Deferred charge on refunding	14,326,660	16,282,797	(1,956,137)
Deferred charge on pension plans	1,950,394	1,264,929	685,465
Deferred charge on OPEB plans	1,509,878	1,865,616	(355,738)
<b>Total</b>	<b>\$ 914,358,152</b>	<b>\$ 908,392,897</b>	<b>\$ 5,965,255</b>

Liabilities and Net Assets	FY 2023	FY 2022	Y/Y Variance
Liabilities			
Revenue bonds payable, less current portion	\$ 489,365,000	\$ 513,775,000	\$ (24,410,000)
Net premiums and discounts from revenue bonds payable	43,437,876	46,853,669	(3,415,793)
DWSRF loans payable, less current portion	24,398,980	24,348,545	50,435
Net pension liability	16,601,369	9,651,739	6,949,630
Net OPEB obligation	17,176,905	17,772,589	(595,684)
Total noncurrent liabilities	590,980,130	612,401,543	(21,421,413)
Current liabilities			
Current portion of revenue bonds payable	22,565,000	21,475,000	1,090,000
Current portion of DWSRF loans payable	1,395,417	1,306,514	88,904
Accounts payable	3,976,423	3,586,325	390,097
Notes payable	50,500	50,500	-
Customer deposits and advances	1,591,293	1,287,826	303,468
Other accrued liabilities	7,718,360	7,355,097	363,263
Total current liabilities	37,296,993	35,061,261	2,235,732
Liabilities payable from restricted assets			
Accounts payable for construction	2,034,311	1,478,471	555,840
Accrued interest payable	1,789,452	2,049,596	(260,144)
Customer deposits and advances	1,368,607	1,331,530	37,077
Total liabilities payable from restricted assets	5,192,370	4,859,597	332,774
Other liabilities	5,647,64	25,757	(20,109)
Total liabilities	633,475,141	652,348,158	(18,873,016)
Deferred inflows of resources			
Deferred inflows related to pensions	0	5,386,573	(5,386,573)
Deferred inflows related to OPEB	3,172,430	3,867,000	(694,570)
Net Position			
Invested in capital assets, net of related debt	92,523,906	86,412,204	6,111,702
Restricted assets	119,659,639	95,701,911	23,957,728
Unrestricted assets	65,527,035	64,677,051	849,985
Total net assets	277,710,581	246,791,166	30,919,415
<b>Total liabilities and net assets</b>	<b>\$ 914,358,152</b>	<b>\$ 908,392,897</b>	<b>\$ 5,965,255</b>

**REGIONAL WATER AUTHORITY**  
**REVIEW OF FINANCIAL DATA**  
**February 28, 2023 (FY 2023)**

SCHEDULE A-1 - COMMENTARY

**STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION**

**Operating Revenues**

FY23 revenue for water, including wholesale and fire service, is over budget by \$2,282k (approx. 2.4%).  
 Metered water revenue is over budget by \$1,951k (approx. 2.3%).

Total net other revenue is \$82k over budget due to both other water and other proprietary revenues being higher than budget and expenses for other water being under 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.	\$ (682,000)
Employee Benefits are under budget primarily due to lower medical expense	(757,000)
Transportation is under budget primarily due to insurance.	(102,000)
Material From Inventory is under budget primarily due to lower than anticipated costs.	(83,000)
Pump Power is under budget due to lower usage and timing.	(205,000)
Postage is under budget primarily due to timing and lower than anticipated expense.	(209,000)
Collection Expense is under budget primarily due to lower year-to-date bank fees.	(568,000)
Business Improvement is under budget primarily due to accelerating certain expenses into fiscal 2022 and timing within fiscal 2023.	(253,000)
Public/Customer Information is under budget primarily due to timing and lower than anticipated costs.	(165,000)
Outside Services are under budget across multiple areas.	(544,000)
Insurance is under budget primarily due to reserve requirements.	(138,000)
Worker's Compensation, Pre-Captive is under budget primarily due to a reimbursement.	(60,000)
Training and continued education is under budget across multiple areas, including tuition assistance.	(99,000)
RPB Fees are under budget primarily due to lower consulting and meeting fees.	(52,000)
Central Lab/Water Quality is under budget primarily due to the mix between internal and outside lab services and timing.	(102,000)
Info. Technology Licensing & Maintenance Fees are under budget due to timing and lower than anticipated costs.	(304,000)
Maintenance & Repairs are under budget due to the timing of certain expenses and lower than anticipated costs.	(378,000)
All Other	<u>(77,000)</u>
	(4,778,000)

**Interest Income**

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

**PROJECTED MAINTENANCE TEST**

The projected coverage is 1.26 with no shortfall.

**REGIONAL WATER AUTHORITY  
STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION  
FOR THE MONTHS ENDING FEBRUARY 28, 2023**

Schedule A-1

	<b>FY 2022 Actual</b>	<b>FY 2023 Budget</b>	<b>FY 2023 Actual</b>	<b>(Under)Over Budget</b>
<b>Operating revenues</b>				
Metered water revenues	\$ 79,910	\$ 84,520	\$ 86,471	\$ 1,951
Fire service	9,194	9,679	9,725	45
Wholesale	606	623	909	286
Other revenue - water	2,802	2,789	2,886	97
Other revenue - proprietary	7,310	6,979	7,134	155
Total operating revenues	<u>99,823</u>	<u>104,590</u>	<u>107,124</u>	<u>2,534</u>
<b>Operating expenses</b>				
Operating and maintenance expense	40,844	47,747	42,969	(4,778)
Expense associated with other revenue - water	1,564	1,643	1,558	(84)
Expense associated with other revenue - proprietary	3,255	2,845	3,099	254
Provision for uncollectible accounts	340	450	337	(114)
Depreciation	18,454	17,423	17,423	0
Payment in lieu of taxes	6,454	6,689	6,442	(247)
Amortization Pension Outflows/Inflows	645	1,566	1,566	0
Amortization OPEB Outflows/Inflows	(470)	(449)	(449)	0
Total operating expenses	<u>71,086</u>	<u>77,913</u>	<u>72,945</u>	<u>(4,968)</u>
Operating income	<u>28,737</u>	<u>26,677</u>	<u>34,179</u>	<u>7,503</u>
<b>Nonoperating income and (expense)</b>				
(Loss) Gain on disposal of assets	(1,633)	(750)	(1,337)	(587)
Realized and unrealized (losses) gains on investments	-	-	-	-
Interest expense	(16,411)	(16,771)	(16,653)	118
Amortization of bond discount, premium, issuance cost and deferred losses	1,878	2,342	2,311	(31)
Amortization of Goodwill	-	-	-	-
Intergovernmental revenue	-	-	490	490
Contributions to related entities	(950)	-	-	-
Total nonoperating income and (expense) before captial contributions	<u>(16,233)</u>	<u>(13,560)</u>	<u>(9,733)</u>	<u>3,826</u>
Income (expense) before contributions	<u>12,504</u>	<u>\$ 13,117</u>	<u>24,446</u>	<u>\$ 11,329</u>
<b>Capital contributions</b>	<u>1,073</u>		<u>1,246</u>	
Change in net assets	13,577		25,691	
Total net assets - beginning of fiscal year	233,214		252,019	
Total net assets - end of reporting month	<u>\$ 246,791</u>		<u>\$ 277,711</u>	

	<b>Budget</b>	<b>Projected</b>	<b>(Under)Over</b>
	<b>@114%</b>	<b>@114%</b>	<b>@114%</b>
<b>FY 2023 MAINTENANCE TEST (Budget vs. Projected)</b>			
Revenue Collected:			
Water sales	124,093	125,663	1,570
Interest Income	213	3,100	2,887
BABs Subsidy	657	657	-
Other Net	6,946	7,065	119
Common Non-Core	(300)	(375)	(75)
Total	<u>131,609</u>	<u>136,110</u>	<u>4,501</u>
Less:			
Operating and maintenance expenses	(63,492)	(62,955)	536
Depreciation	(7,500)	(7,500)	-
PILOT (A)	(8,901)	(8,549)	352
Net Avail for Debt Service (B)	<u>\$ 51,718</u>	<u>\$ 57,106</u>	<u>\$ 5,388</u>
Debt Service Payments (C)	<u>\$ 45,366</u>	<u>45,278</u>	<u>\$ (88)</u>
Debt Service @ 114% (D)	<u>\$ 51,717</u>	<u>51,617</u>	<u>\$ (100)</u>
Difference (B-D)	<u>\$ 0</u>	<u>\$ 5,489</u>	
RSF, Growth and/or General Fund (D)			
Coverage	<u>114%</u>	<u>126%</u>	

REGIONAL WATER AUTHORITY  
Fiscal Year 2023  
(\$000 Omitted)

SCHEDULE A-2

STATEMENTS OF REVENUES, EXPENSES

AND CHANGES IN NET ASSETS	Nine Months Ending February 28				Twelve Months Ending May 31			
	FY 2022	FY 2023	FY 2023	(Under)Over	Budget	Projection	Projection -	Projection -
	Actual	Budget	Actual	Budget		Assumption 1	Assumption 2	Assumption 3
<b>Operating Revenues</b>								
Metered Water Revenues	\$ 79,910	\$ 84,520	\$ 86,471	\$ 1,951	\$ 108,610	\$ 110,180	\$ 110,819	\$ 109,541
Fire Service	9,194	9,679	9,725	45	12,906	12,951	12,951	12,951
Wholesale Water	606	623	909	286	802	1,088	1,088	1,088
Other revenue - water	2,802	2,789	2,886	97	3,703	3,803	3,803	3,803
Other revenue - proprietary	7,310	6,979	7,134	155	9,465	9,976	9,976	9,976
<b>Total Operating Revenues</b>	<b>99,823</b>	<b>104,590</b>	<b>107,124</b>	<b>2,534</b>	<b>135,486</b>	<b>137,998</b>	<b>138,637</b>	<b>137,358</b>
<b>Operating Expenses</b>								
Operating and Maintenance	40,844	47,747	42,969	(4,778)	63,491	62,955	63,007	62,903
Expenses associated with other revenue-water	1,564	1,643	1,558	(84)	2,206	2,222	2,222	2,222
Expenses associated with other revenue-proprietary	3,255	2,845	3,099	254	3,359	4,209	4,209	4,209
Provision for uncollectible accounts	340	450	337	(114)	500	500	500	500
Depreciation	18,454	17,423	17,423	0	23,200	23,200	23,200	23,200
Payment in lieu of taxes	6,454	6,689	6,442	(247)	8,910	8,612	8,612	8,612
Amortization Pension Outflows/Inflows	645	1,566	1,566	0	1,882	1,882	1,882	1,882
Amortization OPEB Outflows/Inflows	(470)	(449)	(449)	0	(598)	(598)	(598)	(598)
<b>Total Operating Expenses</b>	<b>71,086</b>	<b>77,913</b>	<b>72,945</b>	<b>(4,968)</b>	<b>102,951</b>	<b>102,983</b>	<b>103,035</b>	<b>102,931</b>
<b>Operating Income</b>	<b>28,737</b>	<b>26,677</b>	<b>34,179</b>	<b>7,503</b>	<b>32,536</b>	<b>35,015</b>	<b>35,602</b>	<b>34,428</b>
<b>Nonoperating income and (expense)</b>								
Interest Income	883	1,619	5,456	3,837	2,155	6,426	6,426	6,426
(Loss)/Gain on disposal of assets	(1,633)	(750)	(1,337)	(587)	(1,000)	(1,500)	(1,500)	(1,500)
Interest Expense	(16,411)	(16,771)	(16,653)	118	(22,307)	(22,169)	(22,169)	(22,169)
Amortization of bond discount, premium issuance cost and deferred losses	1,878	2,342	2,311	(31)	3,093	3,062	3,062	3,062
Amortization of Goodwill	-	-	-	-	(249)	(249)	(249)	(249)
Intergovernmental revenue	-	-	490	490	-	490	490	490
Contributions to/from related entities	(950)	-	-	-	-	-	-	-
<b>Total nonoperating income &amp; (expense)</b>	<b>(16,233)</b>	<b>(13,560)</b>	<b>(9,733)</b>	<b>3,826</b>	<b>\$ (18,308)</b>	<b>\$ (13,941)</b>	<b>\$ (13,941)</b>	<b>\$ (13,941)</b>
<b>(Expense) income before contributions</b>	<b>12,504</b>	<b>\$ 13,117</b>	<b>24,446</b>	<b>\$ 11,329</b>	<b>\$ 14,228</b>	<b>\$ 21,074</b>	<b>\$ 21,661</b>	<b>\$ 20,487</b>
<b>Capital contributions</b>	<b>1,073</b>	<b>-</b>	<b>1,246</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Change in net assets	13,577	-	25,691	-	-	-	-	-
Total net assets - beginning of fiscal year	233,214	-	252,019	-	-	-	-	-
Total net assets - end of reporting month	\$ 246,791	-	\$ 277,711	-	-	-	-	-

MAINTENANCE TEST

	Twelve Months Ending May 31			
	Budget	Projection Assumption 1	Projection - Consumption 4% Above Assumption 2	Projection - Consumption 4% Below Assumption 3
<b>Revenue Collected:</b>				
Water Sales	\$ 124,093	\$ 125,663	\$ 126,100	\$ 125,227
Interest Income	213	3,100	3,100	3,100
BABs Subsidy	657	657	657	657
Other Net	6,946	7,065	7,065	7,065
Common Non-Core	(300)	(375)	(375)	(375)
<b>Total</b>	<b>131,609</b>	<b>136,110</b>	<b>136,547</b>	<b>135,673</b>
<b>Less:</b>				
Operating and Maintenance Expenses	(63,492)	(62,955)	(63,007)	(62,903)
Depreciation	(7,500)	(7,500)	(7,500)	(7,500)
PILOT (A)	(8,901)	(8,549)	(8,549)	(8,549)
Net Avail for Debt Service (B)	51,717	57,106	57,491	56,721
Debt service payments (C)	\$ 45,366	\$ 45,278	\$ 45,278	\$ 45,278
Debt Service @ 114% (D)	\$ 51,717	\$ 51,617	\$ 51,617	\$ 51,617
Difference (B-D)	\$ (0)	\$ 5,489	\$ 5,874	\$ 5,104
RSF, Growth and/or General Fund (D)	\$ -	\$ -	\$ -	\$ -
Coverage	114%	126%	127%	125%
Required Coverage	114%	114%	114%	114%

REGIONAL WATER AUTHORITY  
 OPERATING AND MAINTENANCE EXPENSES  
 Fiscal Year 2023  
 (\$000 Omitted)

SCHEDULE B

	NINE MONTHS ENDING FEBRUARY 28				YEAR ENDED MAY 31, 2023			
	FY 2022	FY 2023	FY 2023	(Under)	Budget	Assump 1	Assump 2	Assump 3
	Actual	Budget	Actual	Over				
1 Payroll	\$ 16,837	\$ 18,349	\$ 17,667	\$ (682)	24,531	23,675	23,675	23,675
2 Employee Benefits Allocation	5,328	5,819	5,063	(757)	7,793	7,427	7,427	7,427
Pension	2,026	2,000	2,000	-	2,632	4,632	4,632	4,632
3 Administrative Building Space Allo	736	772	728	(44)	1,033	1,015	1,015	1,015
4 General & Administrative	1,013	1,181	1,174	(7)	1,537	1,513	1,513	1,513
5 Transportation Allocation	454	644	542	(102)	854	914	914	914
6 Tools & Stores Allocation	242	229	270	40	308	338	338	338
7 Utilities & Fuel	1,076	1,124	1,120	(4)	1,506	1,523	1,523	1,523
8 Material From Inventory	139	228	145	(83)	302	223	223	223
9 Pump Power Purchased	2,125	2,263	2,058	(205)	2,939	2,683	2,710	2,656
10 Chemicals	1,551	2,039	2,082	43	2,695	2,924	2,949	2,899
11 Road Repairs	274	224	200	(24)	299	299	299	299
14 Postage	116	356	146	(209)	474	474	474	474
15 Printing & Forms	35	53	26	(27)	71	58	58	58
17 Collection Expense	506	1,273	704	(568)	1,702	1,148	1,148	1,148
18 Business Improvement	108	302	49	(253)	346	451	451	451
19 Public/Customer Information	135	319	154	(165)	417	309	309	309
20 Outside Services	2,232	2,894	2,350	(544)	3,935	3,860	3,860	3,860
21 Insurance Premiums	1,316	1,301	1,164	(138)	1,747	1,671	1,671	1,671
22 Worker's Compensation, pre-Chur	24	34	(26)	(60)	45	48	48	48
23 Damages	28	49	50	1	65	95	95	95
24 Training & Cont. Education	86	243	144	(99)	337	285	285	285
25 Authority Fees	102	123	105	(19)	164	170	170	170
26 Consumer Counsel	12	45	31	(14)	60	60	60	60
27 RPB Fees	76	127	74	(52)	169	169	169	169
28 Organizational Dues	80	72	69	(3)	108	140	140	140
29 Donations	7	27	15	(13)	36	41	41	41
34 Central Lab/Water Quality	119	329	228	(102)	441	385	385	385
40 Environmental Affairs	43	64	57	(8)	100	71	71	71
44 Info. Technology Licensing & Maintenance Fees	1,760	2,110	1,807	(304)	-	-	-	-
45 Maintenance and Repairs	1,940	2,947	2,569	(378)	2,696	2,596	2,596	2,596
46 Regulatory Asset Amortization	318	206	206	0	3,872	3,484	3,484	3,484
	<u>\$ 40,844</u>	<u>\$ 47,747</u>	<u>\$ 42,969</u>	<u>\$ (4,778)</u>	<u>\$ 63,492</u>	<u>\$ 62,955</u>	<u>\$ 63,007</u>	<u>\$ 62,903</u>

	Period Ending February 28, 2023			Period Ending May 31, 2023		
	Budget	Expenditures	(Under)/Over	Budget	Projected	(Under)/Over
<b>I. NATURAL RESOURCES</b>						
Watershed Protection	76	24	(52)	300	300	-
Land Management	18	2	(16)	20	20	-
Lake Whitney Dam & Spillway Improvements	115	65	(50)	308	308	-
Prospect Dam Improvements	146	106	(40)	250	150	(100)
Tunnel Diversion Raw Water Main Rehabilitation Program	170	191	21	415	435	20
Furnace Pond Water Quality Improvements	-	-	-	27	27	-
Miscellaneous Natural Resources	95	60	(34)	102	102	-
Prior Year	-	1	1	-	1	1
<b>TOTAL</b>	<b>620</b>	<b>448</b>	<b>(171)</b>	<b>1,422</b>	<b>1,343</b>	<b>(79)</b>
<b>II. TREATMENT</b>						
Filter Media Replacement	202	511	309	500	511	11
Surface Water In-Line Turbidimeters	136	135	(1)	136	135	(1)
Treatment Plant Graphics Upgrades	325	95	(230)	650	600	(50)
LGWTP Local Control Console Upgrade	105	49	(56)	375	250	(125)
LGWTP -Clarifiers Recycle & Building Improvements	350	161	(189)	950	950	-
LGWTP-Raw Water Flow Control Valve Replacement	470	571	101	582	571	(11)
LGWTP Sodium Hypochlorite Tanks Replacement	305	280	(25)	360	300	(60)
LGWTP Improvements	51	70	19	200	200	-
LSWTP Electrical Upgrades	140	81	(59)	375	325	(50)
LGWTP Electrical Upgrades	140	191	51	200	250	50
LSWTP -Chemical Treatment System Improvements	561	325	(236)	992	800	(192)
LSWTP Improvements	75	63	(12)	200	200	-
LWWTP Ozone and DAF Controls	36	29	(7)	250	250	-
LWWTP HVAC Upgrades	-	-	-	-	122	122
WRWTP Improvements (Dissolved Air Flotation, Electrical, Chemical)	8,035	6,336	(1,699)	9,665	9,665	-
SSG Wellfield Facility Improvements	817	516	(301)	1,310	1,310	-
Seymour Wellfield Generator Replacement	180	23	(157)	250	175	(75)
Wellfield Facility Improvements - Derby	57	131	74	150	160	10
Well Rehabilitation Program	47	285	238	365	444	79
Well Equipment Replace Rehab Hamden and Seymour	350	190	(160)	450	383	(67)
Derby Wellfield Electrical Upgrade	80	6	(74)	125	6	(119)
<b>Green Bond Projects - Treatment</b>						
Water Treatment Plant Valve Replacement Program	132	1,536	1,404	2,295	2,295	-
LGWTP-HVAC Upgrades	200	155	(45)	200	200	-
Miscellaneous Treatment	381	351	(30)	385	389	4
Prior Year	-	35	35	-	35	35
<b>TOTAL</b>	<b>13,175</b>	<b>12,125</b>	<b>(1,050)</b>	<b>20,965</b>	<b>20,526</b>	<b>(439)</b>
<b>III. TRANSMISSION AND DISTRIBUTION</b>						
Pipe	5,292	4,634	(658)	5,842	5,872	30
Valve Replacements	172	182	10	250	250	-
Service Connections	1,355	1,449	94	1,800	1,800	-
Capital Pipe Service Connections	275	682	407	500	700	200
Meters	142	329	187	485	485	-
Hydrants and Connections	90	49	(41)	125	125	-
Lead Service Line Replacements	280	5	(275)	500	500	-
Sanitary Survey Improvements	200	101	(99)	200	150	(50)
Northern Service Area Expansion	60	32	(28)	100	100	-
Service Area Improvements - East West Transmission System	145	0	(145)	160	160	-
State Street Pipe Bridge	400	389	(11)	400	389	(11)
Pipe Bridge Rehabilitation Program	19	37	18	25	37	12
Ansonia-Derby Tank	1,105	877	(228)	2,000	2,000	-
Saltonstall Ridge Tank Power Vent	2	22	20	250	22	(228)
North Branford Tank Structural Improvements & Additional Tank	23	1	(22)	150	75	(75)
Variable Frequency Drive Replacement Program	100	143	43	150	150	-
Raynham Hill Pump Station Improvements	8	59	51	47	60	13
Critical Pump Station & Transmission Facilities Upgrades	150	155	5	170	364	194
Spring Street Pump Station Replacement	75	36	(39)	200	100	(100)
Burwell Hill Pump Station Equipment Replacement	344	42	(303)	344	344	-
Pump Station Generator Replacements	255	31	(224)	225	225	-
Pump Station Roof Replacements	100	10	(90)	100	100	-
Route 80 Throttling Valve Relocation	20	7	(13)	160	50	(110)
Water Quality Improvements Program	6	14	7	154	100	(54)
Miscellaneous Transmission & Pumping	35	57	22	69	95	25
Prior Year	-	13	13	-	13	13
<b>TOTAL</b>	<b>10,654</b>	<b>9,356</b>	<b>(1,298)</b>	<b>14,407</b>	<b>14,266</b>	<b>(142)</b>
<b>IV. GENERAL PLANT</b>						
Work & Asset Management Solutions (Formerly InforEAM GIS Data Integ)	175	-	(175)	56	-	(56)
SAP Work Management	10	-	(10)	10	10	-
LIMS Business Enhancements	140	19	(121)	140	140	-
Security Upgrades	-	-	-	-	47	47
AMI Software Business Enhancements	10	11	1	10	11	1

	Period Ending February 28, 2023			Period Ending May 31, 2023		
	Budget	Expenditures	(Under)/Over	Budget	Projected	(Under)/Over
CIS (Customer Information Services)	2,320	832	(1,488)	3,279	3,279	-
Innovation						
Business Analytics Platform	80	-	(80)	85	85	-
Customer Channels Sales Marketing	150	45	(105)	150	150	-
Robotic Process Automation/Machine Learning/AI	100	-	(100)	125	63	(63)
SAP SQL Upgrade	100	6	(94)	100	6	(94)
Cyber Security Enhancements	110	23	(87)	110	110	-
SCADA	90	66	(24)	120	120	-
Information Systems	476	292	(184)	750	699	(51)
Miscellaneous Information Systems	270	26	(244)	428	278	(150)
Equipment	1,264	788	(476)	2,019	1,559	(460)
Miscellaneous Equipment	435	206	(229)	487	534	47
90 Sargent Drive	472	117	(355)	157	153	(4)
Miscellaneous 90 Sargent Drive	110	86	(24)	120	176	56
Prior Year	-	10	10	-	10	10
<b>TOTAL</b>	<b>6,312</b>	<b>2,526</b>	<b>(3,786)</b>	<b>8,146</b>	<b>7,429</b>	<b>(717)</b>
V. CONTINGENCY	151	-	(151)	9,855	9,855	-
<b>TOTAL</b>	<b>30,911</b>	<b>24,455</b>	<b>(6,456)</b>	<b>54,796</b>	<b>53,419</b>	<b>(1,377)</b>
VI. STATE & REDEVELOPMENT PIPE	1,500	1,190	(310)	3,000	2,000	(1,000)
VII. NON-CORE BILLING	100	111	11	100	111	11
<b>TOTAL</b>	<b>32,511</b>	<b>25,756</b>	<b>(6,755)</b>	<b>57,896</b>	<b>55,530</b>	<b>(2,366)</b>

Note: Includes amendments pending Authority approval

SCHEDULE D

Investment Earnings Report  
Comparison of Investment Rates of Return

<u>Fund Type</u>	<u>Balance @ February 28, 2023</u>	<u>Budgeted Return</u>	<u>Rate of Return February 28, 2023</u>	<u>Rate of Return Fiscal Year to Date</u>
<b><u>Less than Six Months</u></b>				
Revenue Investment (A)	\$ 35,745,443	0.15%	4.61%	3.09%
Revenue (B)	4,689,650	0.00%	0.34%	0.29%
Rate Stabilization (A)	10,000,000	0.15%	4.61%	3.09%
Operating Reserve (A)	10,157,613	0.15%	4.61%	3.09%
Capital Contingency (A)	5,575,835	0.15%	4.61%	3.09%
Debt Reserve (A)	5,845,781	0.15%	4.61%	3.09%
Debt Reserve (C)	14,771	0.00%	3.88%	2.44%
Debt Service (A)	17,988,418	0.15%	4.61%	3.09%
PILOT (A)	1,659,346	0.15%	4.61%	3.09%
General Fund (A)	11,728,128	0.15%	4.61%	3.09%
<b>Sub-Total</b>	<b>\$ 103,404,985</b>			
<b><u>Long Term Investments</u></b>				
Operating Reserve	\$ 500,000	0.67%	0.51%	0.51%
Capital Contingency	500,000	0.57%	0.38%	0.38%
Debt Reserve (D)	15,256,656	0.72%	2.21%	1.79%
<b>Sub-Total</b>	<b>\$ 16,256,656</b>			
<b><u>Other</u></b>				
Construction (A)	\$ 62,283,785	0.15%	4.61%	3.09%
Growth Fund (E)	7,940,138	0.00%	2.10%	1.47%
Interim Financing	907	0.00%	2.07%	1.40%
<b>Sub-Total</b>	<b>\$ 70,224,830</b>			
<b>Total</b>	<b>\$ 189,886,471</b>			

(A) Investments are in the Connecticut Short Term Investment Fund (STIF).

(B) Reflects new sweep product with balances fully insured. Balances earn credits to offset bank fees.  
Percentage based on month-end book balance.

(C) Investment is in the First American Government Obligation Fund.

(D) Current fiscal year investment purchases (approx. \$6.25M) are earning between 3.0% - 5.2%.

(E) Balance includes interest earnings.



<b>Fund</b>	<b>Budgeted Interest (Cash Basis) as of February 28, 2023</b>	<b>Interest Received (Cash Basis) as of February 28, 2023</b>	<b>(Under)/ Over</b>
Debt Reserve	54,324	279,294	224,970
Operating Reserve	14,932	205,604	190,672
Capital Contingency	8,779	113,615	104,836
PILOT	2,676	58,883	56,207
Debt Service	20,213	329,345	309,132
Revenue	18,828	609,449	590,621
Rate Stabilization	11,375	230,561	219,186
General	14,931	271,524	256,593
Sub Total	<u>146,058</u>	<u>2,098,275</u>	<u>1,952,217</u>
Construction	77,880	1,482,847	1,404,967
Growth Fund	-	84,365	84,365
Interim Financing	-	10	10
Total	<u>223,938</u>	<u>3,665,497</u>	<u>3,441,559</u>

**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  
Catherine LaMarr  
Suzanne C. Sack

FROM:  Rochelle Kowalski

DATE: March 17, 2023

SUBJECT: Capital Budget Transfer – Type B3 Amendments

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As prescribed in the Capital Budget Manual, Exhibit 12, Capital Budget Amendment Procedure, Part 1, Type B Amendment, Item 3, Authority approval is required for a transfer of funds from an existing capital account to either another capital account or a newly created capital account if the value is greater than \$500,000.

Customer Information System (CIS): This project will not meet anticipated expenditures for FY 2023 primarily as a result of changes to timing of milestone payments. Amendment No. 23-36 will transfer \$1,324,000 from the CIS project account into the overall budget contingency to be held in reserve for FY 2024 for the CIS project.

The following resolution will be necessary to carry out the foregoing:

**Resolved:** that the Authority approves the transfer of \$1,324,000 from the CIS capital budget account to the overall capital budget contingency account.

**CAPITAL BUDGET AMENDMENT REQUEST**

Request Date:	3/16/2023	Type	Log	Mo/Yr
Requesting Division:	Customer Care/IT	B3	23-36	Mar 23
Requested By:	Premjith Singh			

<b>Transfer From:</b>	
Account Number:	001-000-107181-100426
Project Description:	Customer Information System (CIS)
A) Original Budget	\$ 5,133,000
B) Total Previous Transfers (In or Out)	\$ 530,000
C) This Transfer	\$ 1,324,000
D) Revised Budget (A+/-B-C)	\$ 3,279,000
E) Estimated Project Costs	\$ -
F) Remaining Funds Available for Transfer, if any (D-E)	\$ 3,279,000
Explanation why funds are available: As a result of extended contract negotiations with project vendors, the schedule of payments for project milestones has shifted. FY 2023 will complete under budget. Funds are to be transferred into the project reserve portion of contingency for use in FY 2024.	

<b>Transfer To:</b>	
Account Number:	N/A
Project Description:	Contingency
A) Original Budget	\$ 450,000
B) Previous Transfers (In or Out)	\$ 7,631,000
C) Revised Budget (A+/-B)	\$ 8,081,000
D) Amount to be Transferred	\$ 1,324,000
E) Proposed Revised Budget (C+D)	\$ 9,405,000
Explanation why funds are needed: This amendment will transfer funds from the CIS project into the project reserve portion of contingency, to be held for use in FY 2024 on the project.	

Approvals As Required By Type	Signature	Date
1) Requesting Vice President/Director	<i>approved at CMC</i>	3/14/2023
2) Donor Vice President/Director	<i>approved at CMC</i>	3/14/2023
3) Vice President - Finance	<i>approved at CMC</i>	3/14/2023
4) Executive Vice President & Chief Operating Officer		
5) Chief Executive Officer	<i>approved at CMC</i>	3/14/2023
6) Authority Members	Copy of minutes attached if required	

To the Five Member Authority Board:

March 23, 2023

I am pleased to provide you with the March 2023 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**

Progress continues with our work to enhance the RWA's commercial services growth and to offer a broader suite of services to more customers. We have two potential plumbing company acquisitions moving through the pipeline. We have completed due diligence for one of the two companies and will be seeking board approval to move it to the next stage. We will provide you with an update during executive session at this month's Commercial Business Committee meeting.

### **Celebrating Employee Appreciation Day**

On March 3 – Employee Appreciation Day – I distributed an email to RWA employees thanking them for their contributions and commitment to serving our customers and communities with care and excellence. As a token of our gratitude, on March 7, the Super Duper Weenie Truck visited the RWA and about 150 employees gathered in our Fleet Garage and enjoyed good food and great conversations.

### **Connecticut Land Conservation Conference**

The RWA will be among the lead sponsors for the 2023 Connecticut Land Conservation Conference hosted by the Connecticut Land Conservation Council (CLCC) on March 25. This is the largest conservation gathering and the only land trust convocation of its kind in Connecticut. Attracting hundreds of attendees from across the state and beyond, the annual conference provides training, networking and information sharing opportunities, as well as a chance to engage with board members, staff and volunteers from Connecticut's many land trusts and conservation organizations. In related news, Sunny Lakshminarayanan and I recently engaged with members of the CLCC to reenergize the coalition the RWA formed with other area land trusts a number of years ago called the South Central Connecticut Land Trust Alliance. The Alliance is comprised of a group of land trust organizations throughout our service region that seek to develop and support strategies to preserve, protect and maximize the conservation of land.

### **Promoting Economic Growth**

As a result of a conversation that I initiated with the President of AdvanceCT about promoting Connecticut's water resources to increase business retention and attraction, Sunny Lakshminarayanan attended an inaugural meeting of the nonprofit organization's new Certified Sites program. The program focuses on ensuring that Connecticut has shovel-ready and investment-ready sites for review and acceptance by companies coming to the state. At the first meeting, participants reviewed the criteria as well as a pilot site to understand AdvanceCT's collective process. The work AdvanceCT is doing complements our partnership with the Greater New Haven Chamber's business retention and growth program.

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

I look forward to our March meeting.

Sincerely,





## FINANCIAL PERSPECTIVE

### Maintenance Test

Cash collections of \$10.2 million for the month of February were lower than budget with a \$0.3 million variance. This variance is primarily due to the timing of cash receipts (i.e., cash receipts budgeted in February were received in January) associated with semi-annual public fire billing.

The current projection for Fiscal 2023 is 126% coverage with no shortfall. This is 12% above the budgeted coverage of 114%, largely due to interest earnings.

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 \$2.3 million (approximately 2%) through February (fiscal year to date). This variance is primarily due to higher-than-budgeted consumption. The higher consumption is primarily in residential and may be due to continued working from home.

### Water Production

The average daily draft in February was 37.2 MG, which compares to 37.8 MG in February 2022. The peak day draft for the month occurred on February 5, 2023 when 43.3 MG of water was delivered to the system. The peak day draft in February 2022 occurred on February 8, 2022 when 39.8 MG was delivered to the system. Wholesale water to other utilities totaled 67.2 MG in February 2023 as compared to 75.8 MG in February 2022.

### Capital Program

#### Summary: Capital Expenditures as of February 28, 2023

000's Omitted

	Revised Budget	Fiscal YTD Expenditures	Over/(Under)
1. Natural Resources	620	448	(171)
2. Treatment	13,175	12,125	(1,050)
3. Transmission & Distribution	10,654	9,356	(1,298)
4. General Plant	6,312	2,526	(3,786)
5. Contingency	151	-	(151)
Sub-Total	30,911	24,455	(6,456)
6. State & Redevelopment	1,500	1,191	(309)
7. Non-Core Billing	100	111	11
Total	32,511	25,757	(6,754)

### Collection Activity

Accounts receivable over 60 days, net of liens, receiverships and multi-family balances, is at \$4.4 million compared to \$3.9 million for the same month last year. In February 2023, net past-due accounts, excluding multi-family tenants, properties that are in receivership, or on which we have placed liens, were 40% of total accounts receivable 60 days past due compared to 34.3% in February 2022.

## Commercial Services

### PipeSafe Protection

As of February 28, 2023, total subscribers by the program were as follows:

Program	January	February
PipeSafe Water Repair	54,977	54,928
PipeSafe Sewer Repair	40,820	40,814
PipeSafe Septic Repair	815	817
PipeSafe Complete (Home Plumbing Repair)	7,246	7,335
Total Subscribers	103,858	103,894

As of February 28, 2022, total subscribers by the program were as follows:

Program	January	February
PipeSafe Water Repair	56,158	56,394
PipeSafe Sewer Repair	41,088	41,359
PipeSafe Septic Repair	838	841
PipeSafe Complete (Home Plumbing Repair)	6,066	6,353
Total Subscribers	104,150	104,947

Total repairs in February 28, 2023 by type of service were as follows:

Program	February Repairs		FY2023 Repairs	
	Number	Cost	Number	Cost
Water	4	\$16,478	63	\$252,777
Sewer	121	\$46,965	1,323	\$481,293
Septic	0	\$0	2	\$410
Interior Home Plumbing	50	\$16,190	559	\$197,665
Total Repairs	175	\$79,633	1,947	\$932,145

Total repairs in February 28, 2022 by type of service were as follows:

Program	February Repairs		FY2022 Repairs	
	Number	Cost	Number	Cost
Water	1	\$3,451	34	\$145,415
Sewer	143	\$53,224	1,354	\$501,854
Septic	1	\$205	5	\$5,895
Interior Home Plumbing	32	\$10,360	397	\$122,603
Total Repairs	177	\$67,240	1,790	\$775,767

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 1,750. The number of parameters that resulted from these samples was 6,960.

The 56% of analyses conducted were for external fee service customers.

Approximately 44% 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

	February 2023	FY 2023 YTD	FY 2022 YTD
January Revenue	\$5,400	\$68,277	\$69,032

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

Forestry Revenue

	FY 2023	FY 2022
February Revenue	\$0	\$28,161
FYTD	\$21,286	\$45,830

In February, the RWA posted no new revenue from the firewood program nor the timber harvest.

**Other Revenue Programs**

Cross-Connection Testing Revenue

The primary focus of cross-connection testing during February included inspections and testing in Branford, East Haven, and at the Yale Campus.

	FY23	FY22
February - Revenue	\$40,067	\$36,030
FYTD	\$356,769	\$337,037

Devices tested in February 2023 totaled 799 as compared to 777 in February 2022.

FYTD Comparison Inspections and Device Testing:

	FYTD23	FYTD22
Inspections	1,691	3,335
Device Tests	7,223	6,336

Recreation

	February		January	
	2023	2022	2023	2022
Permit Holders	4,822	5,601	4,847	5,605

- Repaired the Plank Bridge at Pine Hill.
- Held a winter tree walk at Lake Saltonstall with 15 participants.
- Cleared trails of downed trees at Sugarloaf, Hammonasset and Chamberlain.
- Discussed future recreation strategies, which includes adding more trails in Hamden.



## CUSTOMERS & CONSTITUENTS PERSPECTIVE

In February, the Customer Care Center received 6,450 calls and our staff handled 5,946 of those calls; our answering service handled the remaining calls. The staff's adherence to schedules and call-handling guidelines resulted in an average answer speed of 48 seconds and an abandonment rate of 2.3%. This compares to RWA's target answer speed of 70 seconds and an abandonment rate of 5%. The team processed 272 property closings in February compared to 378 in February 2022.

### **Meter Reading & Field Service**

The AMI system over the last 30 days had a successful read rate of 99.31%.

Periodic meter changes continued during the month of February with 112 meters being changed out.

### **Public Affairs & Communications**

- Outreach classes were presented to 247 students from four organizations in Hamden, New Haven, Shelton and West Haven.
- Virtual classes were presented to 80 students from one school in West Haven.
- Organized and attended a meeting with Hamden Mayor Garrett, her staff, RWA and Gaffney Bennett regarding a letter of support for the Lake Whitney Dam project.
- Delivered a presentation to the Greater New Haven Chamber of Commerce Leadership class on government affairs and advocating for issues.

### **Sustainable Solutions**

#### Capasso Landscaping, Amity Road, Lake Bethany Watershed

In December, Environmental Planning staff attended a Bethany show-cause hearing for Capasso Landscaping after an October earth material fire, which occurred on the Lake Bethany watershed. Stakeholders presented plans to the Commission regarding land and vegetation restoration of the land impacted by the fire. The site will continue to be monitored by Bethany, RWA and regulatory authorities until the site is fully restored.

#### Annual Whitney Environmental Management Plan Public Meeting

Environmental Planning staff provided an annual update of Whitney Treatment Plant operations and environmental monitoring at the Whitney Water Center on February 14, as required by a July 2000 Authority Resolution. Eight individuals were in attendance at the meeting, of which most were RPB, Board and Leadership Team members.

#### Climate Modeling Analysis: Drought Resiliency

Hazen and Sawyer submitted final results and presented an analysis using the OASIS model to assess the effects of potential hydrology changes from climate change on the RWA's drought resiliency. The analysis shows that the RWA's reservoir systems remain reliable, even under plausible future streamflow scenarios as projected by climate change using an ensemble of stochastic streamflows. This analysis will aid in future water supply and drought planning efforts.

#### Unmanned Aerial System (UAS) Support and Research

The University of Connecticut presented to Environmental Planning and Real Estate the results of its 2022 research using a drone equipped with lidar and multispectral sensors to monitor and compare regeneration inside and outside timber harvest deer exclusion slash walls at RWA timber harvests in Seymour and Madison. This is an RWA-funded effort requiring a multi-year dataset to understanding slash wall effectiveness for forest regrowth, which has not been scientifically explored for plots of this size in our state.



## 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 average for the month of February at the USGS gauging site. RWA gauging site values were below average for the month. As of March 1, stream flow at the Mount Carmel gauge was 37.8 cfs, compared to a 25<sup>th</sup> percentile flow of 34 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 February. 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)

Lake Gaillard, Hammonasset and Menunketuc remained below spillway during the month of February. Lake Dawson spilled continuously through the month. Weir levels were monitored at all lakes to ensure sufficient water was being released to meet DSR thresholds and maintain critical downstream ecosystems. No issues maintaining downstream release compliance were encountered in February.

## Rainfall (Inches)

	Current Year	Previous Year	Historical Average
February 2023	0.88	4.40	3.33
Fiscal YTD (6/1/22 – 2/28/23)	29.63	38.21	34.01

## Reservoir Levels (Percent Full)

	Current Year	Previous Year	Historical Average	Drought Status
February 2023	92	97	82	None

## Unaccounted-for-Water

The net unaccounted for water was calculated for the period of December 2021 through November 2022 is 11.72%.

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

Values Oct 2021 – Sept 2022	Values Nov 2021 – Oct 2022	Values Dec 2021 – Nov 2022
11.77%	10.68%	11.72%
1,857 Million Gallons	1,677 Million Gallons	1,835 Million Gallons



## **EMPLOYEE LEARNING & GROWTH PERSPECTIVE**

### **Safety**

There were no OSHA recordable injuries in February. Total preventable injuries to date for FY23 is four.

## COVID-19

We have had a total of 132 confirmed cases of COVID-19 since we started tracking in 2020. We had no employees test positive for COVID-19 since our last reporting in February. We continue to track and monitor cases as well as watch the positivity rate in the state and region. The state positivity rate as of February 28 was 6.02%.

## Personnel Updates

The total number of RWA full-time equivalents (FTEs) as of February 28 is 265.5 compared to the budget of 283 FTEs for FY23.

In February we had one new hire and two retirements.

### New Hires:

- Daniel Timmeny, Senior Product Manager, PipeSafe Products

### Retirements:

- Art Briggs, Utility Tech II Crew Chief, Field Operations
- John Cusack, PipeSafe Operations Team Lead, PipeSafe Products

## Security Activity

The RWA Police received a total of 109 calls for service in February. In addition, the Police handled 12 recreation permit and 88 patrol checks, conducted 30 background investigations, and responded to eight 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: The Lake Gaillard filter influent valve replacement project was completed; all 16 influent valves were replaced and are in service. Cleaned the equalization basin and level probes. Drained and cleaned recycle clarifier #1 and the contractors took measurements for the clarifier replacement project scheduled for the next fiscal year.

Major projects underway at the Lake Saltonstall Water Treatment Plant included: Contractor work in the fluoride room continues. The Sodium Hydroxide tank was drained, cleaned and placed back into service. Flushed all three raw water screens. Replaced the residual loading building sump pump.

Major projects underway at the Lake Whitney Water Treatment Plant included: Cleaned the nozzle section of Dissolved Air Flootation (DAF) train #2. Cleaned DAF train #4 and replaced the skimmer arm pistons. Installed a new in-line plant influent surface scatter turbid meter. Adjusted the limits on the centrifuge diverter gate to reduce the amount of water entering the dried sludge container. Completed an Effective Practice Guideline on running South Cheshire wellfield in manual operation.

Major projects underway at the West River Water Treatment Plant included: Continuation of the DAF capital project; Filter #4 underdrain and media replacement was completed and filter #4 is back in service. Rapid mixers #1 and #2 were replaced. A scheduled plant shutdown to repair the isolation plate inside of the rapid mixer channel was performed. Treatment staff attended training on a new Sodium Hypochlorite self-generation system, which was placed into service and the temporary Sodium Hypochlorite system was turned off and will be used as a backup to the self-generation system if needed.

## **Field Operations**

### CBYD Markings

Through the Call Before You Dig (CBYD) clearing house, the RWA performed 1,468 markings this month with an FYTD total of 20,160. Markings for the month of February 2023 were at 4.0% more than February 2022.

### Distribution System Flushing

During the month of February, crews flushed an additional 2.64 miles of main for Department of Public Health compliance reporting.

### Main Breaks

In February, we experienced six main breaks and two unplanned system repair/replacements (contractor damaged main repair, gate replacement, etc.), compared to 16 main breaks and four unplanned system repair/replacements in February 2022.

### Fire Flow Tests

Fire hydrant flow tests are conducted at the applicant's request; there were 15 tests performed during February. 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

The project is delayed for the winter. Guerrara Construction, is expected to resume work in March to complete crane pads and storage tank concrete panel casting beds. DN Tank will resume work on site in April (weather depending) to begin tank construction.

### Lake Whitney Dam Rehabilitation

During the month of February, Professional Service Agreements were forwarded to each of the three qualified contractors to be executed in March.

## **Contracts & New Services**

In February, there were six applications received for large services, as compared to four in February 2023. This month, there were 75 feet of main extension contracts executed, compared to 1,545 feet in February 2022. There is 2,365 feet of main extensions contracted to date in FY23.

## RPB COMMITTEE MEETINGS

<b>Month</b>	<b>Meeting</b>	<b>Will Attend</b>
<b>January 2023</b>	<i>Finance Committee</i> Monday, Jan. 9 at 5:00 p.m.	Tony
	<i>Land Use Committee</i> Wednesday, Jan. 11 at 5:30 p.m.	Catherine
	<i>Consumer Affairs Committee</i> Monday, Jan. 23 at 5:30 p.m.	Suzanne
<b>February 2023</b>	<i>Finance Committee</i> Monday, Feb. 13 at 5:00 p.m.	Kevin
	<i>Land Use Committee</i> Wednesday, Feb. 8 at 5:30 p.m.	Catherine
	<i>Consumer Affairs Committee</i> Monday, Feb. 27 at 5:30 p.m.	Catherine
<b>March 2023</b>	<i>Finance Committee</i> Monday, Mar. 13 at 5:00 p.m.	Suzanne
	<i>Land Use Committee</i> Wednesday, Mar. 8 at 5:30 p.m.	Catherine
	<i>Consumer Affairs Committee</i> Monday, Mar. 20 at 5:30 p.m.	Kevin

## RPB COMMITTEE MEETINGS

Month	Meeting	Will Attend
<b>April 2023</b>	<i>Finance Committee (Remote Only)</i> Monday, Apr. 10 at 5:00 p.m.	
	<i>Finance Committee (Special Meeting)/Consumer Affairs Committee (Regular Meeting)- FY 2024 Budget Review (Hybrid)</i> Monday, Apr. 17 at 5:00 p.m.	
	<i>Land Use Committee – FY 2024 Budget Review (In Person Only – 90 Sargent)</i> Wednesday, Apr. 19 at 5:30 p.m.	
<b>May 2023</b>	<i>Finance Committee (TBD)</i> Monday, May 8 at 5:00 p.m.	
	<i>Land Use Committee (In Person Only – Possible Field Trip)</i> Wednesday, May 10 at 4:30 p.m.	
	<i>Consumer Affairs Committee (TBD)</i> Monday, May 15 at 5:30 p.m.	
<b>June 2023</b>	<i>Finance Committee (TBD)</i> Monday, June 12 at 5:00 p.m.	
	<i>Land Use Committee (In Person Only – Possible Field Trip)</i> Wednesday, June 14 at 5:30 p.m.	
	<i>Consumer Affairs Committee (TBD)</i> Monday, June 26 at 5:30 p.m.	

South Central Connecticut Regional Water Authority  
Commercial Business Committee  
Minutes of the December 15, 2022 Meeting

The regular meeting of the South Central Connecticut Regional Water Authority Commercial Business Committee took place on Thursday, December 15, 2022, via remote access. In Chair Curseaden’s absence, Mr. Borowy presided.

Present: **Committee members present** – Messrs. Borowy, DiSalvo, and Mss. LaMarr and Sack  
**Committee members absent** – Mr. Curseaden  
**Management** – Mss. Kowalski and Calo, and Messrs. Bingaman, Donovan, Hill, Lakshminarayanan, and Singh  
**Staff** – Mrs. Slubowski

The Chair called the meeting to order at 2:47 p.m.

On motion made by Mr. DiSalvo, seconded by Ms. LaMarr, and unanimously carried, the committee voted to approve the minutes of its September 22, 2022 meeting.

Borowy	Aye
Curseaden	Absent
DiSalvo	Aye
LaMarr	Aye
Sack	Aye

At 2:48 p.m., on motion made by Ms. LaMarr, seconded by Ms. Sack, and unanimously carried, the Committee voted to convene in executive session pursuant to G.S. Section 1-200(6)(E) to discuss matters covered by Section 1-210 subsection b#’s 5B, pertaining to commercial and financial information.. Present in executive session were Committee members, Mss. Kowalski, Calo, and Slubowski, and Messrs. Bingaman, Donovan, Hill, Lakshminarayanan, and Singh.

Borowy	Aye
Curseaden	Absent
DiSalvo	Aye
LaMarr	Aye
Sack	Aye

At 3:05 p.m., the Committee came out of executive session. No votes were taken in, or as a result of, executive session. On motion made by Ms. Sack, seconded by Ms. LaMarr, and unanimously carried, the meeting adjourned.

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David Borowy, Acting Chairman

## **Commercial Business Committee FY24 Work Plan**

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The Commercial Business Committee, in collaboration with the CEO and management team, develops and recommends the overall strategy for the development of the company's commercial business activities, monitors progress, reviews results as a basis for setting new strategy, and recommends actions to the Regional Water Authority (RWA) consistent with the Strategic Plan.

### **June 2023**

- Review & Adopt committee charter
- Commercial Business strategy, goals & updates
- Acquisition update & approval (as applicable)

### **Sept 2023**

- Commercial Business update
- Acquisition update & approval (as applicable)

### **December 2023**

- Commercial Business & Metrics update
- Acquisition update & approval (as applicable)

### **March 2024**

- Adopt FY25 Work plan
- Commercial Business update
- Acquisition update & approval (as applicable)

**RESOLUTIONS FOR ADOPTION  
BY REGIONAL WATER AUTHORITY**

Authority Meeting March 23, 2023

**Resolved**, that the Authority hereby accepts the Application, dated March 23, 2023 for the purchase of Assets, Building and Land of “Target One” a Confidential Plumbing Company, located in eastern Connecticut, as a completed application, substantially in the form submitted to this meeting, and authorizes filing said Application with the Representative Policy Board (“RPB”); and

**Further Resolved**, if approved by the RPB, that the President & CEO of the Authority and manager of RWA Well Services, LLC (the indirect wholly owned subsidiary of the Authority) and the Vice President & Chief Financial Officer (each such person) be, and each of them hereby is, authorized and empowered to take any and all actions necessary to complete the Asset Purchase and Real Estate Purchase, including, upon satisfaction of all closing conditions, the execution of the Asset Purchase Agreement, the Real Estate Purchase Agreement, and all such further agreements as appropriate, to effectuate the transactions contemplated within the Application.