



Chairman
Ed Lynch

TOWN OF LEDYARD CONNECTICUT

741 Colonel Ledyard Highway
Ledyard, Connecticut 06339

Water Pollution Control Authority

~ AGENDA ~

Regular Meeting

Tuesday, March 26, 2024

6:30 PM

Council Chambers - Hybrid

REMOTE MEETING INFORMATION

Meeting ID: 821 4690 0338

Passcode: 379356

Zoom Meeting Link:

<https://us06web.zoom.us/j/82146900338?pwd=vUQhlgGscIOKi9bAOfq8GGOfAJHNcU.1>

One tap mobile

+16465588656,,82146900338#,,,,*379356# US (New York)

Dial by your location

+1 646 558 8656 US (New York)

I. CALL TO ORDER

II. ROLL CALL

III. APPOINTMENT OF ALTERNATES

IV. PLEDGE OF ALLEGIANCE

V. RESIDENTS & PROPERTY OWNERS COMMENTS

VI. REVIEW AND APPROVAL OF MINUTES

1. Motion to APPROVE Regular Meeting Minutes from February 27, 2024, as written.

Attachments: [WPCA minutes 2-27-24](#)

VII. COMMUNICATIONS AND CORRESPONDENCE

1. Operations Report.

Attachments: [2 - Ledyard Water Systems Monthly Report - February 2024](#)

2. Service Correspondence.

Attachments: [ATT00001 \(3\)](#)

3. Aged Reports/Finance.

Attachments: [WPCA AGED A-R SUMMARY TREND SEPTEMBER 2023-FEBRUARY 2024](#)

4. Year to Date Water/Sewer Report.

Attachments: [Water YTD](#)
[Sewer YTD](#)

5. PSR - Steve Banks.

Attachments: [March 2024 PSR](#)

VIII. OLD BUSINESS

1. Review of Trail/Sewer line bids continued.

Attachments: [Budget Discussion - EBL](#)
[L0079](#)
[L0083](#)
[L0084](#)
[L0085](#)

2. Holmberg Tank Reservoir 2024 Inspection Report.

Attachments: [16805-FOR-01-1 Holmbers Orchard Concrete Reservoir 2-12](#)
[Stan_note](#)

3. Any Other Old Business to come before the Authority.

IX. NEW BUSINESS

1. Motion to APPROVE setting a Public Hearing date of April 23, 2024, at 6:00 (just prior to Regular Meeting) to receive comment, both oral and written, regarding a proposed 5% rate increase on Water starting on July 1, 2024.

Attachments: [WPCA Water RATE INCREASE 5%- draft](#)
[FY25 WPCA Water Budget Worksheet](#)

2. Motion to APPROVE payment of CorrTech invoice #16805 02, dated February 29, 2024, in the amount of \$3,386.00, for ROV Inspection Holmberg Orchard Concrete Reservoir with Report.

Attachments: [16805 02](#)

3. Motion to APPROVE a Purchase Order request for \$18,975.00, to Groton Utilities for Ledyard Multi-Use Pathway inspection, and installation of a tapping sleeve valve for 1 fire hydrant by Groton Utilities' Distribution crew (hydrant to be re-located by others).

Attachments: [Ledyard Multi Use Path GU Quote](#)

4. Any Other New Business to come before the Authority.

Motion to APPROVE payment to Groton Utilities invoice #0023880, dated February 27, 2024, in the amount of \$82.08, for lead inventory.

Attachments: [GU Inv 23880](#)

X. ADJOURNMENT

DISCLAIMER: Although we try to be timely and accurate these are not official records of the Town.



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 24-0258

Agenda Date: 3/26/2024

Agenda #: 1.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Motion to APPROVE Regular Meeting Minutes from February 27, 2024, as written.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)



Chairman
Ed Lynch

TOWN OF LEDYARD

Water Pollution Control Authority

Meeting Minutes

741 Colonel Ledyard Highway
Ledyard, Connecticut 06339

Regular Meeting

Tuesday, February 27, 2024

6:30 PM

Council Chambers - Hybrid

I. CALL TO ORDER

The meeting was called to order by Chairman Lynch at 6:54 p.m.

II. ROLL CALL

Present Board Member Sharon Wadecki
Board Member Stanley Juber
Board Member Edmond Lynch
Alternate Member James A. Ball
Alternate Member Jeremy Norris

Excused Board Member Monir Tewfik

Non-voting Board Member Terry Jones
Alternate Member Tony Capon

III. APPOINTMENT OF ALTERNATES

Jim Ball was appointed as a voting member for Monir Tewfik.

Jeremy Norris was appointed as a voting member for Terry Jones. Terry Jones attended the meeting late and did not vote during the meeting.

IV. PLEDGE OF ALLEGIANCE

V. RESIDENTS & PROPERTY OWNERS COMMENTS

None.

VI. REVIEW AND APPROVAL OF MINUTES

1. Motion to APPROVE Regular Meeting Minutes from January 23, 2024, as written.

Mr. Jones was late and was not present for this vote.

RESULT: APPROVED AND SO DECLARED

MOVER: Edmond Lynch

SECONDER: Sharon Wadecki

AYE 4 Juber Lynch Ball Norris

EXCUSED 1 Tewfik

ABSTAIN 1 Wadecki

VII. COMMUNICATIONS AND CORRESPONDENCE

1. Operations Report.

Chairman Lynch attended a Groton Utilities meeting. The DPH has not yet made any judgement on whether the WPCA needs to dig up the entire water system to determine those places where lead pipes may exist. A report of what lead surveys have been documented and what have not been documented needs to be submitted to the DPH by October 2024. After the submission of this report the DPH will make a ruling. The budget impact of their decision will not have an effect on this year's budget.

Distribution system microbiological and physical analysis sampling and testing was completed in accordance with DPH requirements. All results were within normal limits. Lead and copper values are below action levels. Groton Utilities continues to monitor THMs. The Authority is still awaiting the results of the inspection of the Holmberg Tank. Annual cross connection inspections will begin in March. Chairman Lynch noted that letters were sent by GU to two customers whose water tested high for lead. The letters outlined the procedures the customers should use to collect new water samples for testing. Chairman Lynch will be meeting with Groton Utilities to discuss the lead issues further.

RESULT: DISCUSSED

2. Service Correspondence.

None.

3. Aged Reports/Finance.

There was nothing remarkable about the aged report. Month to month variations were normal.

4. Year to Date Water/Sewer Report.

There was nothing remarkable about either report.

5. PSR - Steve Banks.

Mr. Banks reported that the floats need to be positioned better at the Smith & Loveless Pump Station. Low level alarm keeps coming in as influent flow spills on top of the L.W. float. Low wet alarm is disabled for now. Waiting for better weather for installation to begin.

RESULT: DISCUSSED

6. Pending Bill 149 -

“An act concerning foreclosure, assignments and other enforcement actions for unpaid sewer assessments and other fees and charges”.

Chairman Lynch gave a quick summary of Bill 149, specifically what charges Water Authorities can collect and pointed out that interest can be assessed on unpaid bills.

RESULT: DISCUSSED

VIII. OLD BUSINESS**1. Review of Trail/Sewer line bids continued.**

Chairman Lynch attended a preconstruction meeting and reported that tree cutting on the trail/sewer will start on March 1. Construction on the sewer line will start April 1. Ms. Wadecki asked which kind of pipe they would be installing. Chairman Lynch answered that the 5" PVC pipes which the WPCA requested in the bid package. Mr. Juber said the project of putting in a pump station where the line terminates could probably be put in as a change order. Chairman Lynch agreed. Regarding Phase III, Weston & Sampson wants to put an odor control system in the existing pump station. Chairman Lynch said the Authority needs to decide if the unused pumps should be pulled out and sold or left alone since they are not in the way of the potential odor control system. The Commissioners agreed that the pumps should be sold.

The sewer line construction around Ledyard High School will not start until school is out for the summer.

RESULT: DISCUSSED

2. Discussion on Gales Ferry Intermodal, Inc, 1761 Route 12, Gales Ferry, CT continued. Application has been pulled from consideration.

The application has been withdrawn. Chairman Lynch said Groton Utilities gave a quote of \$24,000 to put a meter on the Dow Chemical hydrant line. The Commissioners agreed that the line needs to have a meter.

RESULT: DISCUSSED

3. Holmberg Tank Reservoir 2024 Inspection Report.

The Cortech analysis has been completed. There were several recommendations.

There was a question on piping. It read "a combination inlet and outlet pipe tree runs horizontally across the floor of the tank. The tank fills through rubber duck bills and drains through lower valves. Due to the use of stainless-steel screens over the outlet valves galvanic corrosion can be observed forming along the length of the piping". The evaluation doesn't state what to use in place of stainless steel. Chairman Lynch will ask Mauricio Duarte, GU General Foreman Water Operations for clarification.

ACTION ITEM: Find out what material should be used in place of stainless steel for the screens over the outlet valves.

ACTION ITEM: Get estimates from Groton Utilities on the cost of implementing the recommendations in the Cortech analysis.

RESULT: DISCUSSED

4. Lead Pipe Review -

Chairman Lynch is attending a meeting with Groton Utilities regarding the mandated lead pipe review by the Connecticut Department of Health.

This is an unbudgeted mandate.

RESULT: DISCUSSED

5. WPCA Appointments.

Mr. Capon spoke with Roxanne Mayer, Administrative Assistant to the Town Council and found out that ordinance would need to be changed to stagger the appointments. It was advised to leave the term expiration as it is.

RESULT: COMPLETED

6. Any Other Old Business to come before the Authority.

None.

IX. NEW BUSINESS

1. FY 2024-2025 Budget.

*Tabled from the January 23, 2024 meeting.

The water budget balance sheet shows a deficit of approximately \$750,000. However, about \$450,000 of this amount is for assets that were on the books but no longer exist. This is a one-time write-off that does not affect the authority's cash or asset positions. There is also about \$310,000 in depreciation expenses. It is not a cash expense but still decreases the net position.

The commercial rate needs evaluation. Mr. Ball stated that the Commercial billing is pretty much a flat rate that starts at a very high level, perhaps what needs to be evaluated is the line (2" vs. 5/8"). Ms. Wadecki added that the problem lays in the high minimum commercial rate and maybe that rate needs revisiting.

Mr. Norris asked what CNR stands for. Ms. Wadecki answered Capital non-recurring, which is an account used for major purchases needed in the future.

Chairman Lynch was recently informed by GU that there will be a five percent increase in water costs from Groton Utilities starting on October 1, 2024. Therefore, the authority will recommend a five percent rate increase for the next budget. The total increase will be \$54,604.84. Contingency will increase \$35,476.44. Water usage charge will increase \$19,128.40.

Chairman Lynch reported that he will present the WPCA's budget recommendation to the Finance Committee Budget Work Session meeting on March 11, 2024.

Motion to APPROVE a Fiscal Year 2024/2025 water budget of \$1,517,183.62 and a five percent water rate increase.

RESULT: APPROVED AND SO DECLARED

MOVER: Edmond Lynch

SECONDER: Sharon Wadecki

AYE 5 Wadecki Juber Lynch Ball Norris

EXCUSED 1 Tewfik

Chairman Lynch will recommend a water budget of \$1,517,183.62. He will also recommend a five percent water rate increase during the Finance Committee Budget Work Session meeting.

The sewer budget will not change.

Motion to APPROVE a Fiscal Year 2024/2025 sewer budget of \$671,749.34.

RESULT: APPROVED AND SO DECLARED

MOVER: Edmond Lynch

SECONDER: Sharon Wadecki

AYE 5 Wadecki Juber Lynch Ball Norris

EXCUSED 1 Tewfik

2. Any Other New Business to come before the Authority.

Mr. Ball asked Chairman Lynch if he could get a list of meter sizes for all the water accounts.

ACTION ITEM: Chairman Lynch will contact Tina Daniels, Groton Utilities Customer Service General Manager regarding obtaining this list.

X. ADJOURNMENT

Motion to ADJOURN the Regular Meeting at 8:12 p.m.

RESULT: APPROVED AND SO DECLARED

MOVER: Edmond Lynch

SECONDER: Sharon Wadecki

AYE 5 Wadecki Juber Lynch Ball Norris

EXCUSED 1 Tewfik

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TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1536

Agenda Date: 3/26/2024

Agenda #: 1.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

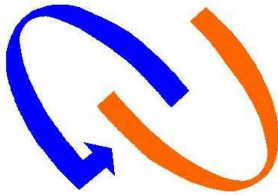
Operations Report.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)



GROTON UTILITIES

Subject: Ledyard Water Systems
Monthly Report: February 2024

To: Ed Lynch, WPCA Chairman
Cc: Mark Biron, GM Operations
Joseph Pratt, Manager Water & Wastewater

From: Mauricio Duarte

Date: March 19, 2024

Water Operations and Maintenance Monthly Report and Updates for February 2024.

Operations:

- Daily rounds of all systems
- Operation and maintenance
- Manage water storage tanks.

Laboratory:

- Distribution system samples collected and analyzed per CTDPH schedule (microbiological & physical analyses). All results met CTDPH standards.
- Submitted results of monthly microbiological & physical analyses to CTDPH via CMDP (Compliance Monitoring Data Portal) as required.
- Completed data entry and e-mailed all required monthly forms to CTDPH.
- Collected quarterly THM/HAA5 samples in the Gales Ferry system per the CTDPH schedule and submitted them to our contract lab for analysis.
- Q1 THM results for Ledyard Center and Gales Ferry were in a slightly-lower-than-typical range for first quarter analyses, due to the continued blending of raw water sources to reduce the level of THMs leaving the WTP. We (the GU Water Division team) also continue our work to effectively reduce the water age in the LC and GF

system through all four quarters of the year. With respect to THMs and HAA5s, there were no OELs or NOVs in the Ledyard Center or Gales Ferry water system for the 1st quarter of 2024.

Distribution:

- Work continues on the five-year Cross Connection inspections. Work began on the annual Cross Connection inspections for both the Ledyard and Gales Ferry systems, completion is expected by the end of April.
- Gate valve inspections and repairs at Colonel Ledyard Road, Gallup Hill Road, and Route 117 are taking place in anticipation of the multi path trail / sewer line project. Multiple misaligned gate boxes were located and will be repaired withing the next few weeks.
- The intersection at Route 117 and Lorenz Parkway was dug up to ensure expansion to upcoming repairs will not be needed. Materials have been ordered and repairs are scheduled to take place this spring.
- Monthly repairs of miscellaneous meter boxes in Ledyard and Gales Ferry were completed.



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1680	Agenda Date: 3/26/2024	Agenda #: 2.
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AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:
Service Correspondence.

Background:
(type text here)

Department Comment/Recommendation:
(type text here)

Ian Stammel
1506609469710_PastedImage
Assistant Finance Director, Town of Ledyard
741 Colonel Ledyard Hwy.
Ledyard, CT 06339
(860) 464-3258
www.ledyardct.org <<http://www.town.ledyard.ct.us/>><<http://www.town.ledyard.ct.us/>>
www.town.ledyard.ct.us/><<http://www.town.ledyard.ct.us/>>

NOTICE Effective June 11,2018 Town Hall hours

will be: 7:30AM-4:45PM Mon-Thursday

CLOSED *FRIDAYS*

From: Valentini, Ray <valentinir@grotonutilities.com>
Sent: Wednesday, February 24, 2021 4:13 PM
To: water pollution control authority <wpca.ledyard@ledyardct.org>;
Ian Stammel <asst.finance.director@ledyardct.org>
Cc: Stevens, Rick <stevensr@grotonutilities.com>
Subject: Water supply agreement regional

Ed -

I am sending the water supply agreement a diagram of billing and
escrow , plus a typical check request we send Ledyard.

This is based on usage which is light going across the river now because
of covid.

Please pass this on to the commissioners

Thank You

Ray

Raymond Valentini

Groton Utilities

Water & PAF Operations Manager

860-446-4032

valentinir@grotonutilities.com <mailto:valentinir@grotonutilities.com>

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TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1681

Agenda Date: 3/26/2024

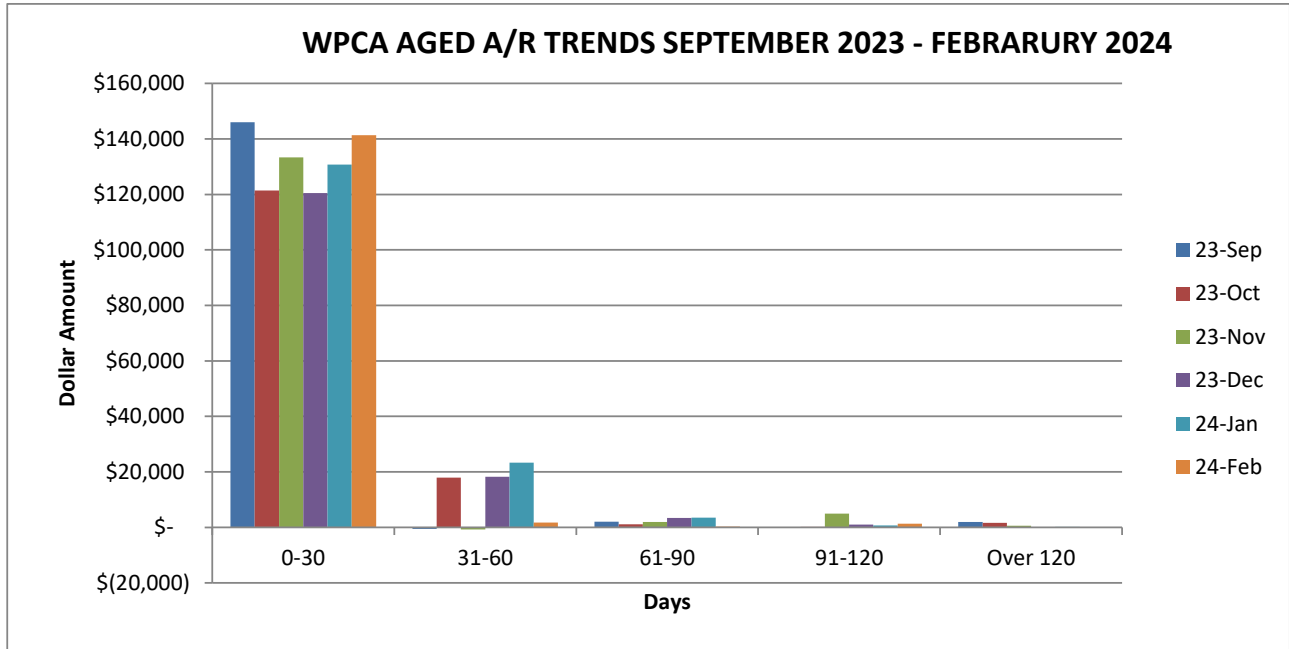
Agenda #: 3.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:
Aged Reports/Finance.

Background:
(type text here)

Department Comment/Recommendation:
(type text here)



SEPT	SEPT	SEPT	SEPT	SEPT	
0-30	31-60	61-90	91-120	OVER 120	
\$ 146,046	\$ (566)	\$ 2,099	\$ (17)	\$ 1,919	\$ 149,480

OCT	OCT	OCT	OCT	OCT	
0-30	31-60	61-90	91-120	OVER 120	
\$ 121,368	\$ 17,885	\$ 1,135	\$ 163	\$ 1,673	\$ 142,225

NOV	NOV	NOV	NOV	NOV	
0-30	31-60	61-90	91-120	OVER 120	
\$ 133,322	\$ (795)	\$ 1,998	\$ 4,983	\$ 572	\$ 140,080

DEC	DEC	DEC	DEC	DEC	
0-30	31-60	61-90	91-120	OVER 120	
\$ 120,496	\$ 18,201	\$ 3,446	\$ 963	\$ 95	\$ 143,200

JAN	JAN	JAN	JAN	JAN	
0-30	31-60	61-90	91-120	OVER 120	
\$ 130,771	\$ 23,335	\$ 3,531	\$ 741	\$ 163	\$ 158,541

FEB	FEB	FEB	FEB	FEB	
0-30	31-60	61-90	91-120	OVER 120	
\$ 141,301	\$ 1,771	\$ 251	\$ 1,311	\$ (53)	\$ 144,581

Foot Notes:

Cash Collected in the month of February 2024: \$143,957.28



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1682

Agenda Date: 3/26/2024

Agenda #: 4.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Year to Date Water/Sewer Report.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)

Town and Schools of Ledyard

YEAR-TO-DATE BUDGET REPORT

FOR 2024 08							
	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
5059001 OTHER-GEN - GRANTS/CONTR							
5059001 49002 TRANS IN	-388,678	0	-388,678	.00	.00	-388,678.27	.0%
TOTAL OTHER-GEN - GRANTS/CONTR	-388,678	0	-388,678	.00	.00	-388,678.27	.0%
TOTAL REVENUES	-388,678	0	-388,678	.00	.00	-388,678.27	
50590991 CONTRIBUTION TO CNR							
50590991 59305 CONT CNR	130,000	0	130,000	.00	.00	130,000.00	.0%
TOTAL CONTRIBUTION TO CNR	130,000	0	130,000	.00	.00	130,000.00	.0%
TOTAL EXPENSES	130,000	0	130,000	.00	.00	130,000.00	
50591603 SOURCE OF SUPPLY							
50591603 58100 DUES FEES	3,100	0	3,100	568.74	.00	2,531.26	18.3%*
TOTAL SOURCE OF SUPPLY	3,100	0	3,100	568.74	.00	2,531.26	18.3%
TOTAL EXPENSES	3,100	0	3,100	568.74	.00	2,531.26	
50591623 POWER PURCHASED							
50591623 56225 POWER PURC	10,000	0	10,000	4,734.27	5,265.73	.00	100.0%*
TOTAL POWER PURCHASED	10,000	0	10,000	4,734.27	5,265.73	.00	100.0%
TOTAL EXPENSES	10,000	0	10,000	4,734.27	5,265.73	.00	
50591626 GU OPERATION-EMERGENCY							
50591626 53720 GU OP EMER	9,000	0	9,000	12,818.14	11,078.89	-14,897.03	265.5%*
TOTAL GU OPERATION-EMERGENCY	9,000	0	9,000	12,818.14	11,078.89	-14,897.03	265.5%
TOTAL EXPENSES	9,000	0	9,000	12,818.14	11,078.89	-14,897.03	
50591627 GU OPERATING AGREEMENT ANNUAL							

Town and Schools of Ledyard

YEAR-TO-DATE BUDGET REPORT

FOR 2024 08							
50591627 GU OPERATING AGREEMENT ANNUAL	ORIGINAL APPROP	TRANFRS/ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
50591627 53725 GU OPS ANN	298,120	0	298,120	99,373.32	198,746.68	.00	100.0%*
50591627 53726 GU CUST SE	96,632	0	96,632	69,686.50	16,313.50	10,632.18	89.0%*
TOTAL GU OPERATING AGREEMENT ANNUAL	394,752	0	394,752	169,059.82	215,060.18	10,632.18	97.3%
TOTAL EXPENSES	394,752	0	394,752	169,059.82	215,060.18	10,632.18	
50591663 METER/SYSTEMS EXPENSE							
50591663 54110 RTE 12 MET	257,576	0	257,576	178,925.75	71,074.25	7,576.05	97.1%*
50591663 54115 RTE 117 WT	252,515	0	252,515	182,163.71	70,336.29	14.51	100.0%*
50591663 54120 METERS	16,000	0	16,000	.00	10,000.00	6,000.00	62.5%*
TOTAL METER/SYSTEMS EXPENSE	526,091	0	526,091	361,089.46	151,410.54	13,590.56	97.4%
TOTAL EXPENSES	526,091	0	526,091	361,089.46	151,410.54	13,590.56	
50591921 MISC							
50591921 54420 FIN SERV	26,000	0	26,000	.00	.00	26,000.00	.0%
50591921 54506 FIRE HYDRA	5,000	0	5,000	.00	.00	5,000.00	.0%
50591921 58810 GOBONDPR	85,275	0	85,275	.00	.00	85,274.54	.0%
50591921 58811 GOBONDINT	5,782	0	5,782	2,038.27	.00	3,743.76	35.3%*
50591921 58820 CWF PRIN	250,644	0	250,644	.00	.00	250,643.62	.0%
50591921 58821 CWF INT	46,978	0	46,978	28,016.15	.00	18,961.93	59.6%*
50591921 58822 LOAN PMT	12,500	0	12,500	.00	.00	12,500.00	.0%
TOTAL MISC	432,178	0	432,178	30,054.42	.00	402,123.85	7.0%
TOTAL EXPENSES	432,178	0	432,178	30,054.42	.00	402,123.85	
50591923 PROFESSIONAL FEES							
50591923 53600 ACCTG SERV	9,738	0	9,738	6,821.25	.00	2,916.75	70.0%*
TOTAL PROFESSIONAL FEES	9,738	0	9,738	6,821.25	.00	2,916.75	70.0%
TOTAL EXPENSES	9,738	0	9,738	6,821.25	.00	2,916.75	
50591926 BENEFITS							
50591926 52300 RETIREMENT	3,865	0	3,865	.00	.00	3,865.31	.0%

Town and Schools of Ledyard

YEAR-TO-DATE BUDGET REPORT

FOR 2024 08							
50591926 BENEFITS	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
TOTAL BENEFITS	3,865	0	3,865	.00	.00	3,865.31	.0%
TOTAL EXPENSES	3,865	0	3,865	.00	.00	3,865.31	
5059801 WATER-CHARGE / SERVICE							
5059801 46045 NEW METER	-5,000	0	-5,000	.00	.00	-5,000.00	.0%
5059801 46046 WATER MISC	-3,000	0	-3,000	3,988.15	.00	-6,988.15	-132.9%*
5059801 46048 TIE IN	-5,000	0	-5,000	-3,045.00	.00	-1,955.00	60.9%
5059801 46049 TRANS FEE	-21,000	0	-21,000	-11,445.86	.00	-9,554.14	54.5%
5059801 46050 WATER USE	-1,081,646	0	-1,081,646	-750,074.51	2,000.00	-333,571.54	69.2%
5059801 46051 WATER LATE	0	0	0	-1,418.73	.00	1,418.73	100.0%
5059801 46053 WATER ASSE	0	0	0	-8,384.41	.00	8,384.41	100.0%
5059801 46054 HYDRANT	-14,400	0	-14,400	.00	.00	-14,400.00	.0%
TOTAL WATER-CHARGE / SERVICE	-1,130,046	0	-1,130,046	-770,380.36	2,000.00	-361,665.69	68.0%
TOTAL REVENUES	-1,130,046	0	-1,130,046	-770,380.36	2,000.00	-361,665.69	
GRAND TOTAL	0	0	0	-185,234.26	384,815.34	-199,581.08	100.0%
** END OF REPORT - Generated by Ian Stammel **							

YEAR-TO-DATE BUDGET REPORT

REPORT OPTIONS

	Field #	Total	Page Break
Sequence 1	9	Y	N
Sequence 2	0	N	N
Sequence 3	0	N	N
Sequence 4	0	N	N

Report title:
YEAR-TO-DATE BUDGET REPORT

Includes accounts exceeding 0% of budget.
Print totals only: N
Print Full or Short description: S
Print full GL account: N
Format type: 1
Double space: N
Suppress zero bal accts: Y
Include requisition amount: N
Print Revenues-Version headings: N
Print revenue as credit: Y
Print revenue budgets as zero: N
Include Fund Balance: N
Print journal detail: N
From Yr/Per: 2024/ 1
To Yr/Per: 2024/ 7
Include budget entries: Y
Incl encumb/liq entries: Y
Sort by JE # or PO #: J
Detail format option: 1
Include additional JE comments: N
Multiyear view: D
Amounts/totals exceed 999 million dollars: N

Year/Period: 2024/ 8
Print MTD Version: N

Roll projects to object: N
Carry forward code: 1

Find Criteria	
Field Name	Field value
Fund	0505
TWN FUNCTION	
DEPT / LOCAT	
SDEP/BOEFUNC	
Character Code	
Org	
Object	
Project	
Account type	
Account status	
Rollup Code	

Town and Schools of Ledyard

YEAR-TO-DATE BUDGET REPORT

FOR 2024 08							
	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
5019001 OTHER-GEN - GRANTS/CONTR							
5019001 49002 TRANS IN	-153,485	0	-153,485	.00	.00	-153,484.98	.0%
TOTAL OTHER-GEN - GRANTS/CONTR	-153,485	0	-153,485	.00	.00	-153,484.98	.0%
TOTAL REVENUES	-153,485	0	-153,485	.00	.00	-153,484.98	
50190603 SOURCE OF SUPPLY							
50190603 54225 SLUDGE HAU	17,300	-2,800	14,500	7,178.58	7,821.42	-500.00	103.4%*
50190603 58100 DUES FEES	3,100	0	3,100	1,739.93	27.50	1,332.57	57.0%*
TOTAL SOURCE OF SUPPLY	20,400	-2,800	17,600	8,918.51	7,848.92	832.57	95.3%
TOTAL EXPENSES	20,400	-2,800	17,600	8,918.51	7,848.92	832.57	
50190611 MAINTENANCE OF STRUCTURE							
50190611 54510 ELECTRICIA	3,000	2,000	5,000	716.58	4,283.42	.00	100.0%*
TOTAL MAINTENANCE OF STRUCTURE	3,000	2,000	5,000	716.58	4,283.42	.00	100.0%
TOTAL EXPENSES	3,000	2,000	5,000	716.58	4,283.42	.00	
50190620 WAGES (SEWER)							
50190620 51305 OT/SEASON	15,000	0	15,000	11,047.58	.00	3,952.42	73.7%*
50190620 51705 LONGEVITY	500	0	500	.00	.00	500.00	.0%
TOTAL WAGES (SEWER)	15,500	0	15,500	11,047.58	.00	4,452.42	71.3%
TOTAL EXPENSES	15,500	0	15,500	11,047.58	.00	4,452.42	
50190621 EMPLOYEE UNIFORMS							
50190621 52160 EE UNIFORM	1,000	0	1,000	462.48	237.52	300.00	70.0%*
TOTAL EMPLOYEE UNIFORMS	1,000	0	1,000	462.48	237.52	300.00	70.0%
TOTAL EXPENSES	1,000	0	1,000	462.48	237.52	300.00	

Town and Schools of Ledyard



YEAR-TO-DATE BUDGET REPORT

FOR 2024 08							
50190623 POWER PURCHASED	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
50190623 POWER PURCHASED							
50190623 56200 HEAT	3,000	0	3,000	1,056.74	643.26	1,300.00	56.7%*
50190623 56220 ELECTRICIT	50,000	0	50,000	23,816.97	6,183.03	20,000.00	60.0%*
50190623 56261 GAS/DESIEL	4,500	0	4,500	2,689.42	1,510.58	300.00	93.3%*
TOTAL POWER PURCHASED	57,500	0	57,500	27,563.13	8,336.87	21,600.00	62.4%
TOTAL EXPENSES	57,500	0	57,500	27,563.13	8,336.87	21,600.00	
50190624 PUMPING SUPPLY & EXPENSE							
50190624 56914 PUMP SUPP	3,300	0	3,300	1,470.00	930.00	900.00	72.7%*
TOTAL PUMPING SUPPLY & EXPENSE	3,300	0	3,300	1,470.00	930.00	900.00	72.7%
TOTAL EXPENSES	3,300	0	3,300	1,470.00	930.00	900.00	
50190641 CHEMICALS							
50190641 56912 CHEMICALS	23,000	0	23,000	18,930.68	936.32	3,133.00	86.4%*
TOTAL CHEMICALS	23,000	0	23,000	18,930.68	936.32	3,133.00	86.4%
TOTAL EXPENSES	23,000	0	23,000	18,930.68	936.32	3,133.00	
50190643 TREATMENT EXPENSE							
50190643 56916 TRTMT EXP	7,500	0	7,500	5,095.00	2,405.00	.00	100.0%*
TOTAL TREATMENT EXPENSE	7,500	0	7,500	5,095.00	2,405.00	.00	100.0%
TOTAL EXPENSES	7,500	0	7,500	5,095.00	2,405.00	.00	
50190663 METER EXPENSE							
50190663 53710 MTR CALIBR	750	0	750	.00	.00	750.00	.0%
TOTAL METER EXPENSE	750	0	750	.00	.00	750.00	.0%
TOTAL EXPENSES	750	0	750	.00	.00	750.00	

Town and Schools of Ledyard

YEAR-TO-DATE BUDGET REPORT

FOR 2024 08							
50190673 MAINTENANCE OF MAINS	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
50190673 MAINTENANCE OF MAINS							
50190673 54515 MNT MAINS	3,000	0	3,000	.00	.00	3,000.00	.0%
TOTAL MAINTENANCE OF MAINS	3,000	0	3,000	.00	.00	3,000.00	.0%
TOTAL EXPENSES	3,000	0	3,000	.00	.00	3,000.00	
50190678 MAINTENANCE OF MISC. PLANT							
50190678 54505 MNT MISC P	12,000	2,550	14,550	11,837.47	2,452.31	260.22	98.2%*
50190678 56802 SFTY EQUIP	1,000	0	1,000	.00	650.00	350.00	65.0%*
50190678 56804 LAB EQP	2,900	0	2,900	368.40	34.90	2,496.70	13.9%*
TOTAL MAINTENANCE OF MISC. PLANT	15,900	2,550	18,450	12,205.87	3,137.21	3,106.92	83.2%
TOTAL EXPENSES	15,900	2,550	18,450	12,205.87	3,137.21	3,106.92	
50190920 PLANT OPERATIONS WAGES							
50190920 51610 SPVR SAL	91,609	0	91,609	58,301.66	.00	33,307.36	63.6%*
50190920 51635 SHIFT OPER	75,046	0	75,046	48,671.72	.00	26,374.68	64.9%*
50190920 51640 LAB TECH	52,021	0	52,021	32,257.80	.00	19,763.00	62.0%*
TOTAL PLANT OPERATIONS WAGES	218,676	0	218,676	139,231.18	.00	79,445.04	63.7%
TOTAL EXPENSES	218,676	0	218,676	139,231.18	.00	79,445.04	
50190921 MISC							
50190921 54150 LAKESIDE	2,500	0	2,500	783.40	16.60	1,700.00	32.0%*
50190921 54420 FIN SERV	14,000	0	14,000	.00	.00	14,000.00	.0%
50190921 56100 OPER EXP	11,000	-1,750	9,250	3,689.58	1,878.42	3,682.00	60.2%*
50190921 58810 GOBONDPR	117,388	0	117,388	.00	.00	117,388.24	.0%
50190921 58811 GOBONDINT	36,097	0	36,097	18,206.22	.00	17,890.52	50.4%*
TOTAL MISC	180,985	-1,750	179,235	22,679.20	1,895.02	154,660.76	13.7%
TOTAL EXPENSES	180,985	-1,750	179,235	22,679.20	1,895.02	154,660.76	
50190923 PROFESSIONAL FEES							
50190923 53600 ACCTG SERV	3,000	0	3,000	1,203.75	.00	1,796.25	40.1%*

YEAR-TO-DATE BUDGET REPORT

FOR 2024 08								
50190923 PROFESSIONAL FEES	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL	
50190923 53705 LAB TESTS	7,000	0	7,000	5,265.00	1,235.00	500.00	92.9%*	
50190923 58110 TMDs	1,500	0	1,500	166.91	1,123.09	210.00	86.0%*	
TOTAL PROFESSIONAL FEES	11,500	0	11,500	6,635.66	2,358.09	2,506.25	78.2%	
TOTAL EXPENSES	11,500	0	11,500	6,635.66	2,358.09	2,506.25		
50190926 BENEFITS								
50190926 52000 HLTHCARE	50,565	0	50,565	.00	.00	50,564.54	.0%	
50190926 52300 RETIREMENT	19,902	0	19,902	.00	.00	19,901.98	.0%	
50190926 52500 SOCSEC	16,746	0	16,746	.00	.00	16,746.22	.0%	
50190926 52900 GG WORKCOM	8,463	0	8,463	.00	.00	8,462.77	.0%	
TOTAL BENEFITS	95,676	0	95,676	.00	.00	95,675.51	.0%	
TOTAL EXPENSES	95,676	0	95,676	.00	.00	95,675.51		
50190933 TRANSPORTATION EXPENSE								
50190933 54305 CAR MNTNC	1,900	1,700	3,600	2,827.66	372.34	400.00	88.9%*	
TOTAL TRANSPORTATION EXPENSE	1,900	1,700	3,600	2,827.66	372.34	400.00	88.9%	
TOTAL EXPENSES	1,900	1,700	3,600	2,827.66	372.34	400.00		
50190990 CAPITAL								
50190990 57505 SEWER TIE	1,000	0	1,000	.00	.00	1,000.00	.0%	
TOTAL CAPITAL	1,000	0	1,000	.00	.00	1,000.00	.0%	
TOTAL EXPENSES	1,000	0	1,000	.00	.00	1,000.00		
50190991 CONTINGENCY								
50190991 58910 CONTINGENC	10,710	-1,700	9,010	5,189.22	1,670.24	2,150.54	76.1%*	
50190991 59305 CONT CNR	20,000	0	20,000	.00	.00	20,000.00	.0%	
TOTAL CONTINGENCY	30,710	-1,700	29,010	5,189.22	1,670.24	22,150.54	23.6%	
TOTAL EXPENSES	30,710	-1,700	29,010	5,189.22	1,670.24	22,150.54		

YEAR-TO-DATE BUDGET REPORT

FOR 2024 08							
50191627 GU OPERATING AGREEMENT	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
50191627 GU OPERATING AGREEMENT							
50191627 53726 GU CUST SE	15,731	0	15,731	11,344.31	2,655.69	1,730.80	89.0%*
TOTAL GU OPERATING AGREEMENT	15,731	0	15,731	11,344.31	2,655.69	1,730.80	89.0%
TOTAL EXPENSES	15,731	0	15,731	11,344.31	2,655.69	1,730.80	
5019701 SEWER-CHARGE / SERVICE							
5019701 46020 SEWERUSE	-553,043	0	-553,043	-351,962.60	.00	-201,079.93	63.6%
5019701 46021 SEWER LATE	-500	0	-500	-812.66	.00	312.66	162.5%
5019701 46022 SEW ASSESS	0	0	0	-1,111.89	.00	1,111.89	100.0%
TOTAL SEWER-CHARGE / SERVICE	-553,543	0	-553,543	-353,887.15	.00	-199,655.38	63.9%
TOTAL REVENUES	-553,543	0	-553,543	-353,887.15	.00	-199,655.38	
5019702 SEWER-GRANTS/CONTR							
5019702 42029 STATE GRAN	0	0	0	-134.00	.00	134.00	100.0%
TOTAL SEWER-GRANTS/CONTR	0	0	0	-134.00	.00	134.00	100.0%
TOTAL REVENUES	0	0	0	-134.00	.00	134.00	
GRAND TOTAL	0	0	0	-79,704.09	37,066.64	42,637.45	100.0%

** END OF REPORT - Generated by Ian Stammel **

YEAR-TO-DATE BUDGET REPORT

REPORT OPTIONS

	Field #	Total	Page Break
Sequence 1	9	Y	N
Sequence 2	0	N	N
Sequence 3	0	N	N
Sequence 4	0	N	N

Report title:
YEAR-TO-DATE BUDGET REPORT

Includes accounts exceeding 0% of budget.
Print totals only: N
Print Full or Short description: S
Print full GL account: N
Format type: 1
Double space: N
Suppress zero bal accts: Y
Include requisition amount: N
Print Revenues-Version headings: N
Print revenue as credit: Y
Print revenue budgets as zero: N
Include Fund Balance: N
Print journal detail: N
From Yr/Per: 2024/ 1
To Yr/Per: 2024/ 7
Include budget entries: Y
Incl encumb/liq entries: Y
Sort by JE # or PO #: J
Detail format option: 1
Include additional JE comments: N
Multiyear view: D
Amounts/totals exceed 999 million dollars: N

Year/Period: 2024/ 8
Print MTD Version: N

Roll projects to object: N
Carry forward code: 1

Find Criteria	
Field Name	Field value
Fund	0501
TWN FUNCTION	
DEPT / LOCAT	
SDEP/BOEFUNC	
Character Code	
Org	
Object	
Project	
Account type	
Account status	
Rollup Code	



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1838

Agenda Date: 3/26/2024

Agenda #: 5.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:
PSR - Steve Banks.

Background:
(type text here)

Department Comment/Recommendation:
(type text here)

**Town of Ledyard
Highlands W.W.T.F.
Plant Supervisor's Report
Meeting Date: March 26, 2024**

The goal of the plant staff is to efficiently collect and treat the wastewater and to produce the best quality effluent possible while maintaining the equipment and protecting the Town's assets.

- Univar conducted polymer jar testing on 3-19-24. Looks like their Product Praestol 133k will work with our waste activated solids. We ordered 10 gallons as a trial run. If this product works in the field, we can save a significant amount of money on Polymer.
- Meeting with Weston & Sampson on 3-19-24 regarding Phase II options for sewer force main from LHS to connection at Pennywise in the Highlands. They will get back to us with a revised cost for this design work. W&S will also discuss this sewer collection extension with Gerber Construction.
- Flows are steadily decreasing from wet weather in December and January. The flows for the last three months were historically higher than normal. We sent a letter out to our customers regarding "illegal" sump pump connections into the sanitary sewer collection system. Hopefully we can remove these connections and reduce the volume of flow into the Highlands WWTF.
- Portable trailer mounted 70 kW generator \$60,000, design/installation on Rotary Drum Thickener panel \$30,000, and HACH DR 3900 spectrophotometer \$6900.00 are other items we need if there is any ARPA \$\$ remaining.
- Justin (IT) delivered a tablet for computerized maintenance tracking at the facility.

Respectfully,

Stephen W. Banks
Plant Supervisor



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-2296

Agenda Date: 3/26/2024

Agenda #: 1.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Review of Trail/Sewer line bids continued.

Background:

From the February 27 2023, meeting:

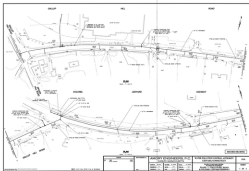
Chairman Lynch attended a preconstruction meeting and reported that tree cutting on the trail/sewer will start on March 1. Construction on the sewer line will start April 1. Ms. Wadecki asked which kind of pipe they would be installing. Chairman Lynch answered that the 5" PVC pipes which the WPCA requested in the bid package. Mr. Juber said the project of putting in a pump station where the line terminates could probably be put in as a change order. Chairman Lynch agreed. Regarding Phase III, Weston & Sampson wants to put an odor control system in the existing pump station. Chairman Lynch said the Authority needs to decide if the unused pumps should be pulled out and sold or left alone since they are not in the way of the potential odor control system. The Commissioners agreed that the pumps should be sold.

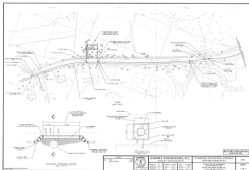
The sewer line construction around Ledyard High School will not start until school is out for the summer.

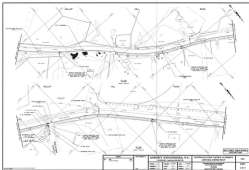
Department Comment/Recommendation:

(type text here)

Budget Discussion - we will be proceeding with the public hearing for a water rate increase of 5%. The Weston and Sampson amendment to the original work has been approved to proceed without the need of a waiver - however a new development of going down Gallup Hill from the high school to Pennywise is to be implemented (instead of a separate trail) going on top of the present 2 1/2 inch line which will save significant costs in engineering and construction. A new estimate for both engineering and construction will be done ASAP. In addition a discussion was held to re-adjust a rate structure based on meter size.









TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 24-0186

Agenda Date: 3/26/2024

Agenda #: 2.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Holmberg Tank Reservoir 2024 Inspection Report.

Background:

From the February 27, 2024, meeting:

The Cortech analysis has been completed. There were several recommendations.

There was a question on piping. It read “a combination inlet and outlet pipe tree runs horizontally across the floor of the tank. The tank fills through rubber duck bills and drains through lower valves. Due to the use of stainless-steel screens over the outlet valves galvanic corrosion can be observed forming along the length of the piping”. The evaluation doesn’t state what to use in place of stainless steel. Chairman Lynch will ask Mauricio Duarte, GU General Foreman Water Operations for clarification.

ACTION ITEM: Find out what material should be used in place of stainless steel for the screens over the outlet valves.

ACTION ITEM: Get estimates from Groton Utilities on the cost of implementing the recommendations in the Cortech analysis.

Department Comment/Recommendation:

(type text here)

Holmbers Orchard Concrete Reservoir 2024 Inspection Report

CorrTech Report No. 16805-FOR-01-1



Prepared For:

Groton Utilities
295 Meridian Street
Groton, CT 06340

CORRTECH
CORROSION UNDERSTOOD
25 South Street
Hopkinton, MA 01748

2/12/2024

STATEMENT OF LIMITATION

Conclusions presented in this document are based on the services described and performed and not on tasks or procedures beyond the scope of the contracted services or time and budgetary constraints imposed by contract limitations.

CorrTech, Inc. has performed this assessment in a professional manner using the degree of skill and care exercised for similar projects under similar conditions by reputable and competent consultants, and in accordance with the procedures established within CorrTech's quality assurance, quality control protocol.

CorrTech, Inc. shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld or not fully disclosed at the time the evaluation was performed.



Report Prepared by: Garth Lund
Project Engineer
AMPP Senior Certified Coatings Inspector #49983
October 23, 2024



Report Reviewed by: Ben Palmer
Project Manager
AMPP Certified Coatings Inspector #44612
January 31, 2026

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Groton Utilities	Holmbers Orchard Concrete Reservoir	16805-FOR-01-1	1
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INTRODUCTION

On January 19, 2024, CorrTech representatives, Derek O'Kane and Scott Murphy performed a corrosion and structural assessment of the exterior and interior of a drinking water storage tank for Groton Utilities. The inspection was conducted to establish the current condition of the tank's coatings and concrete substrate. The tank inspected included:

1.25 MG Holmbers Orchard Concrete Reservoir

For applicable standards used in this inspection, please see below.

The interior of the reservoir was inspected with the TankRover remotely operated vehicle, while full. The TankRover one of the most advanced drones for drinking water tank assessment. By using the TankRover the interior of the tank was inspected with no special preparation, confined space entry, no additional disinfection and no downtime.

The TankRover is equipped with a two-function gripping claw attachment used to manipulate sediment or debris. The unit has high-powered thrusters, which are used to maneuver throughout the tank and are used to wash away bottom sediment for observations. Video is recorded with audio narration on site with digital stills captured for the report.

The TankRover and all tether were prepared for the inspection by disinfecting equipment with a 200 ppm chlorine spray in accordance with AWWA C652-11.

The exterior portions of the tank were inspected by walking the roof and shell portions that were accessible from the ground.

The objectives of the assessment were to:

1. Perform field inspections and tests to assess the structural integrity of the tank.
2. Assess condition of any protective coatings present
3. Review the safety compliance of tank ladders and access.
4. Review sanitary protection equipment
5. Provide recommendations for rehabilitation.

APPLICABLE STANDARDS

AWWA D101 , 1986, AWWA D101, Inspecting Steel Tanks, Standpipes, Reservoirs, and Elevated Tanks, for Water Storage, American Water Works Association (AWWA) Standard D101, Inspecting Steel Tanks, Standpipes, Reservoirs, and Elevated Tanks for Water Storage

AWWA D110, 2013, AWWA D110, Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks, American Water Works Association (AWWA) Standard D110, Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks

CT DPH RCSA Section 19-13-B102, May, 2021, CT DPH RCSA Section 19-13-B102, Standards for Quality of Public Drinking Water, Connecticut Department of Public Health (CT DPH), Regulations of Connecticut State Agencies (RCSA) Section 19-13-B102, Standards for Quality of Public Drinking Water
AWWA C652, 2011, AWWA C652, Disinfection of Water-Storage Facilities, American Water Works Association (AWWA) Standard C652, Disinfection of Water-Storage Facilities

Groton Utilities	Holmbers Orchard Concrete Reservoir	16805-FOR-01-1	2
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EXECUTIVE SUMMARY

The condition and recommendations for the tank are briefly summarized in this section. For detailed information regarding detailed tank conditions and the specific recommendations please refer to the designated section for the tank.

The Holmbers Orchard concrete reservoir is a prestressed concrete water storage tank with a capacity of 1,250,000 gallons.

The exterior shell of the tank is free of spalling, efflorescence, adhesion loss, corrosion, and cracking outside of single isolated area that has formed beneath the shell mounted later. The uncoated exterior roof has visible weathering and biological staining but no significant cracking or spalling.

The interior of this tank is completely intact with no visible cracking, spalling, or efflorescence. One isolated area of corrosion was found due to an exposed rebar tie in. All seam sealing material is intact with no visible adhesion loss. The interior piping and ladders are suffering from galvanic corrosion due to use of dissimilar metals.

A minor layer of soft sediment has accumulated up to ¼-in across the floor of the tank.

No sanitary deficiencies were found.

No structural deficiencies were found.

In accordance with current AWWA recommendations, the Holmbers Orchard tank should be next inspected in 2029.

A self closing swing gate should be installed at the shell ladder transition to the roof to meet current OSHA standards.

An AWWA vacuum relief style vent should be used wherever the use of fine mesh screen is required. Fine mesh can become clogged and lead to a negative pressure event that can damage the structural integrity of the tank.

The use of dissimilar metals within the tank should be addressed to prevent further corrosion/reduction from taking place and eventually leading to metal loss or section loss of the interior structures.

Groton Utilities	Holmbers Orchard Concrete Reservoir	16805-FOR-01-1	3
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Tank Data

TANK DATA FOR Holmbers Orchard Concrete Reservoir									
Site Information	Fencing In Place:	Yes				Locks on Gates:	Yes		
Address:	Orchard Ln., Gales Ferry, CT					Vault Lock in Place:	Yes		
Tank Information	Tank Name:	Holmbers Orchard Concrete Reservoir				Tank Diameter:	60-ft		
Tank Height:	56-ft	Tank Capacity:	1,250,000 gallons		Previous Cleaning Date:	UNK			
Previous Inspect. Date:	UNK				Previous Coating Application:	UNK			
Foundation	Height:	Grade	Adequate Drainage:	Yes	Chime Plate Size:	N/A			
# of Anchors:	N/A	Anchor Bolt Diameter:		N/A	Chair Thickness	N/A			
Anchor Chair Dimensions:	N/A								
Shell Manhole	# of Manholes	2			Diameter:	24.5-in			
Ladder	Height from Ground:	101-in			Safety Cage:	Yes			
Anti Climb Lock :	Yes			Climbing Safety System Style:	Cable				
Rung to Rung Dim:	12-in	Distance from Shell:	14-in		Width:	17-in			
Overflow	Diameter:	11-in	Air Gap	16-in	Overflow Protection	Duck Bill			
Screen Condition:	UNK	Screen Type:	UNK			Splash Pad	N/A		
Roof Hatch	Dimensions:	42-in x 42-in			Sanitary Neck	3-in			
# of Hatches:	1	Hatch Cover Overlap	1.4-in			Lock	Yes		
Roof Vent	Style:	Mushroom			Diameter:	28-in			
Cap to Roof Distance:	10-in	Screen Condition:	Intact			Type:	Fine		
Roof Handrail Hts	Top Rail:	43-in		Mid Rail:	25-in	Toe Kick Plate:	4-in		
Interior	Sediment Depth:	1/4-in			Sediment Coverage:	90%			
Inlet/Outlet Pipe:	Combined		Sediment Ring:	No					
Interior Ladder	Climbing Safety System:	Rail			Style:	Standard			
Columns:	None		Column Number:	N/A		Interior Column Style	N/A		

OBSERVATIONS

Photos provided in the report were created from a digital camera and interior pictures were captured in digital format from the interior video. The interior images are as clear as our printed technology will allow. The copies in the report provide a reference for our comments. Keep in mind that for underwater video snaps, the video provides the greatest detail and should be viewed as part of the report.

Narration on the video is done in the field and some of the comments may be different than the written report.

INTERIOR

Roof Structure

This tank has an uncoated concrete self-supporting dome roof with no additional interior support structures. The roof is completely free of cracking and spalling. No corrosion of exposed rebar tie ins or efflorescence was observed either. There were no unsealed penetrations noted during the inspection.

Shell Structure

The shell is an uncoated concrete structure with seam sealer material applied to the vertical joints or seams. No cracking or spalling was found throughout the internal inspection. One isolated area of corrosion was found due to some exposed rebar tie ins.

Floor Structure

This tank has a flat uncoated concrete floor. The floor was almost entirely covered in a light layer of sediment with some bare areas. In these areas where the floor was exposed the substrate was completely intact with no visible cracking, spalling, corrosion, or efflorescence.

Sediment

A light layer of loose sediment has accumulated across much of the floor. There was no visible spalled material or foreign debris found within or under the sediment layer. This small amount of sediment is not a risk of being pulled into the outlet pipe of the tank.

Piping

A combination inlet and outlet pipe tree runs horizontally across the floor of the tank. The tank fills through rubber duck bills and drains through lower valves. Due to the use of stainless steel screens over the outlet valves galvanic corrosion can be observed forming along the length of the piping.

Ladders

Directly below the roof hatch and each lower shell manhole are section of straight interior ladders. Currently all the ladders are free of section loss and metal loss. However, reduction can be observed on all three ladders due the use of dissimilar metals throughout the tank. The worst case is on the roof hatch ladder where a stainless steel ladder safety climb has been attached directly to the ladder.

Groton Utilities	Holmbers Orchard Concrete Reservoir	16805-FOR-01-1	5
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EXTERIOR

Manholes

This tank has two lower shell pressure style manholes. Each manhole was free of significant corrosion and visible leaks.

Ladder

The roof is accessed via a shell mounted ladder. This ladder runs from approximately 9-ft above grade to the roof of the tank and is equipped with a safety cage, anti-climb, and cable safety climb device. The anti-climb was locked prior to and after the completion of the inspection.

Overflow

This tank has an internal overflow pipe that is encased within the concrete. The pipe runs from a funnel below the tank roof, down the shell, to where it eventually exits the lower shell above grade. It then discharges into a grated concrete catch basin. The discharge point for the overflow is equipped with a rubber duck bill. The presence of or condition of any screening could not be observed during this inspection.

Shell

The exterior shell of the tank has a gunite like surfacing material over the concrete substrate. One area of cracking was noted beneath shell mounted ladder. This cracking appears to be strictly in the top surfacing layer and does not extend into the substrate of the shell. The remainder of the shell is completely intact with not visible cracking, spalling, corrosion, efflorescence, or adhesion loss of the surfacing material.

Roof Hatch

A single perimeter roof hatch is used to access the interior of the tank. This hatch is an aluminum Bilco style hatch installed on a concrete collar. Combined with the concrete collar the sanitary lip of the hatch meets all regulations. The gasket inside the hatch cover is completely intact and in place. This hatch was locked prior to and after the completion of the inspection.

Roof Vent

This tank vents through a singular central finial mushroom style roof vent. The vent opening is screened completely with intact fine mesh screen. It should be noted that the use of fine mesh screen without any form of vacuum relief can lead to damage to the tank structure in the event the screen becomes clogged.

Handrails

Handrails are installed to either side of the shell ladder. These railings meet all current OSHA standards and are free of corrosion and section loss.

Roof

The exterior roof of the tank is an uncoated concrete structure. Slight weathering and biological staining have formed on the roof and roof perimeter. No spalling, cracking, corrosion, or efflorescence was noted during the inspection.

RECOMMENDATIONS

In accordance with current AWWA recommendations, the Holmbers Orchard Concrete Reservoir should be next inspected in 2029.

The use of dissimilar metals within the tank should be addressed to prevent further corrosion/reduction from taking place and eventually leading to metal loss or section loss of the interior structures.

AWWA compliant vent should be installed.

Roof vent does not meet current AWWA D100 standard or the generally accepted Ten States Standard for sanitary protection. Insect screens are now part of the normal sanitary standard and in order to use these fine screens. Fine mesh screens are subject to clogging due to freeze up in the winter so a special vent assembly is needed. Vents should be installed which can relieve both a positive or negative pressure should the fine mesh screen become clogged. An AWWA vacuum/pressure relief vent provides for the safe use of insect screen and should be designed for easy inspection and maintenance of the screens.

Self-Closing Swing Gate should be installed if the Owner wants to be compliant with current OSHA Fall Protection requirements.

In order to be in compliance with OSHA Standard 1910.23(a)(2) all railing openings or platform pass through openings should be equipped with a self-closing swing gate. Although this standard strictly addresses new construction after 11/19/2018 it is advisable to modify existing tanks with this safety device. If existing ladders are substantially modified or replaced on an existing tank then this new standard would apply.

Appendix I: Photographs



1) Tank overview



4) 1 of 2 lower shell manholes



2) Shell mounted roof access ladder with safety climb and cage



5) 2 of 2 lower shell manholes



3) Overflow pipe with duck bill discharging into concrete catch basin



6) Typical condition of the exterior tank shell free of cracking and spalling



7) Typical condition of the exterior tank shell



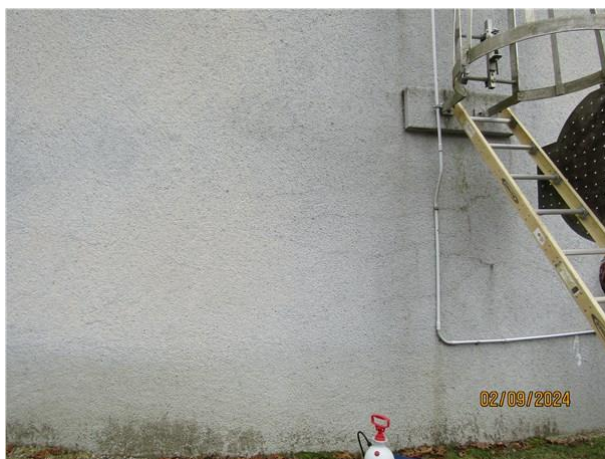
10) Typical condition of the upper shell



8) Intact shell surfacing material free of adhesion loss



11) Tank shell free from visible cracking and spalling



9) Cracking located beneath the shell ladder



12) Biological staining along the rim of the roof



13) Roof railings and hatch



16) Typical condition of the exterior roof



14) Central finial mushroom style vent



17) Biological staining of the exterior roof



15) Intact fine mesh screening



18) Weathering of exterior roof surfacing material



19) Exterior roof free of cracking and spalling



22) Perimeter roof railings flanking the shell ladder



20) Typical roof seam



23) Bilco style roof hatch



21) Area of discoloration on the exterior roof



24) Interior ladder with safety climb installed under hatch



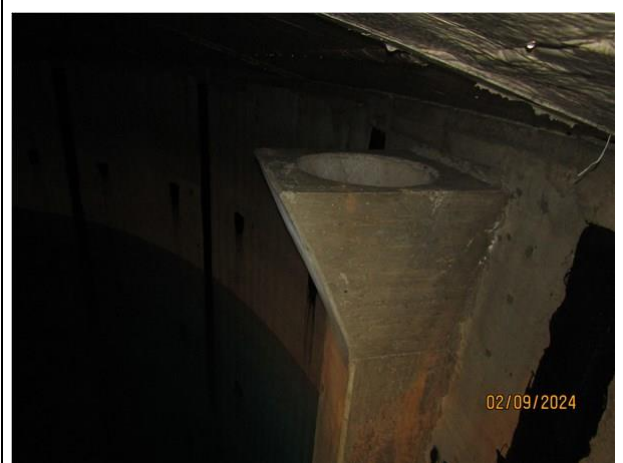
25) Intact hatch cover gasket



28) Typical condition of the interior roof



26) Interior overview



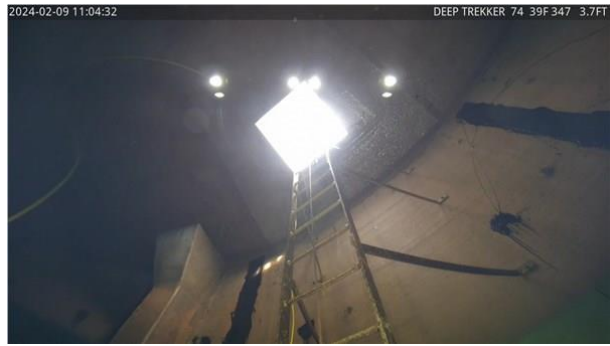
29) Interior overflow funnel



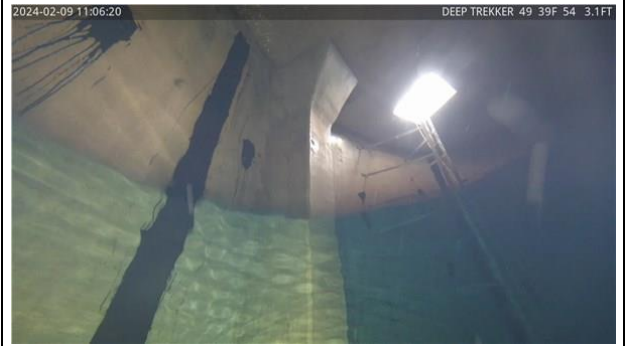
27) Typical condition of the interior above water shell



30) Locked roof hatch



31) 00:29 - Perimeter roof hatch with ladder underneath



34) 2:16 - Interior overflow pipe encased in concrete



32) 00:51 - Typical condition of the above water shell and roof



35) 3:27 - Central tank roof and vent opening



33) 1:54 - Interior roof free from cracking and spalling



36) 4:11 - Typical condition of the interior roof free of spalling and cracking



37) 4:40 - Typical condition of the submerged interior shell



40) 7:08 - Concrete casing around interior overflow pipe



38) 4:51 - Intact seam seal material



41) 7:42 - Intact shell substrate free of cracking and spalling



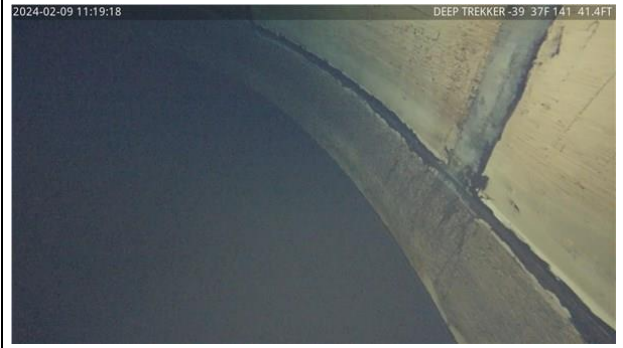
39) 6:44 - Typical condition of the interior ladder



42) 8:50 - Corrosion cell from exposed rebar tie in



43) 12:40 - Oxidation of interior ladder due to dissimilar metals used on the safety climb



46) 15:14 - Typical condition of the lower shell and perimeter floor



44) 13:02 - Lower shell manhole with ladder



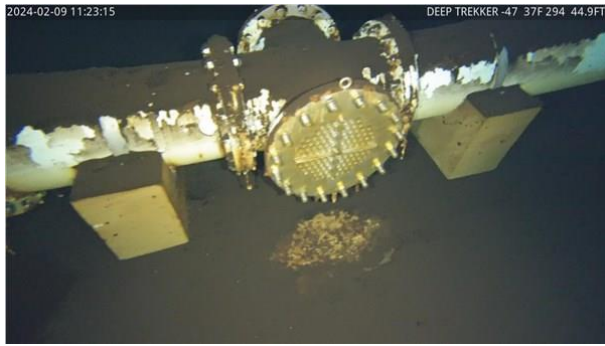
47) 15:40 - Second lower shell manhole with ladder



45) 14:27 - Combination inlet and outlet tree running horizontally across the tank floor



48) 17:36 - Inlet pipe with rubber duck bill



49) 19:10 - Stainless steel outlet grate causing galvanic corrosion on the piping



50) 21:31 - 1/4-in layer of sediment forming across the floor of the tank



51) 22:54 - Intact floor below the sediment layer

GLOSSARY OF TERMS FOR STEEL/CONCRETE TANKS

Adhesion- State in which two surfaces are held together by interfacial forces which may consist of valence forces or interlocking action or both

Aggregate- Granular material, such as sand, gravel, crushed stone, crushed hydraulic-cement concrete, or iron blast-furnace slag used with a hydraulic cementing medium to produce either concrete or mortar.

Bugholes- Small regular or irregular cavities, usually not exceeding 15 mm in diameter, resulting from entrapment of air bubbles in the surface of formed concrete during placement and compaction.

Cathodic Protection - The use of a sacrificial metal or energized substance to polarize the structures surfaces and prevents corrosion.

Chalking - The degradation of a paint binders when exposed to ultra-violet light which creates a loose residue on the surface.

Chemical Attack- Decomposition of a coating or concrete due to the action of a chemical.

Chime- Portion of tank floor plate that extends outside the tank shell and rests on top of the foundation.

Contraction Joint- Formed, sawed, or tooled groove in a concrete structure to create a weakened plane and regulate the location of cracking resulting

Corrosion Cell - A concentrated localized site of accelerated corrosion that creates pitting.

Disbondment- The loss of adhesion between a coating and the substrate.

Dry Film Thickness - Total thickness of a paint film when completely cured.

Efflorescence- A white crystalline or powdery deposit on the surface of concrete. Efflorescence results from leaching of lime or calcium hydroxide out of a permeable concrete mass over time by water, followed by reaction with carbon dioxide and acidic pollutants.

Finish- The texture of a concrete surface after compaction and finishing operations have been performed.

Finial Vent - The central roof vent on top of a water tank.

Grout- A plastic mixture of cementitious materials and water used as a filler for cracks, or other void spaces, in concrete surfaces to be coated.

Holiday - A hole or void in a protective coating that may be invisible to the unaided eye that extends to the substrate.

Honey Comb- Voids left in concrete due to failure of the mortar to effectively fill the spaces among coarse aggregate particles.

Hydraulic, Hydrostatic Pressure- A force exerted on the concrete/coating interface due to the level of the ground water.

Isolation Joint- A separation between adjoining parts of a concrete structure

Joint Sealant- Compressible material used to exclude water and solid foreign materials from joints.

Lap Joint Seam- Overlapping seam between roof plates that is open and un-welded on the interior.

Laitance- A thin, weak brittle layer of cement and aggregate fines on a concrete surface. The amount of laitance is influenced by the degree of working or the amount of water in the concrete.

Lead Abatement - The removal of a lead bearing paint system.

Lead Encapsulation - The covering over of a lead based paint by applying a compatible topcoat.

Osmotic Blister - Raised coating area created by buildup of fluid under the coating. Fluid moves through coating in response to water/solvent concentrations between coating and tank water.

Osmotic Pressure- A force exerted on the concrete /coating interface through the capillaries in the concrete due to a moisture differential across the coating.

Overflow Weir Box- internal or external box that captures water above the operating height of the tank and directs it to an overflow pipe.

Pack Rust/Crevice Corrosion- Advanced form of steel corrosion that forms visible layers of oxidized steel swollen larger than the original steel plate thickness, usually found between steel plates or surfaces.

Pinholes- Film defect characterized by small pore-like flaws in a coating which extend entirely through the applied film and have the general appearance of pinpricks, fine holes, or voids when viewed by reflected light.

Plastic Cracking or Shrinkage- Cracking that occurs in the surface of fresh concrete soon after it is placed and while it is still plastic,

Porosity- The ratio usually expressed as a percentage, of the volume of voids in a material to the total volume of the material, including the voids.

Reflective Cracking-Cracking that develops in a coating directly over a dynamic crack in concrete.

Rigging plug- Thread steel nipple welded to a tank roof for the purposes of rigging painting cables. Usually sealed with a threaded plug when not in use.

ROV - Remotely operated vehicle, underwater inspection device "TankRover" by CorrTech

Screen Mesh- Number of openings per linear inch of screen.

Silt - Material that accumulates in the bottom of a water tank originating from treatment by products, raw water particles and distribution system debris.

Silt Stop- Solid cylinder installed on a floor inlet or outlet pipe to extend the pipe above the floor. Pipe prevents floor sediment from being stirred up or sucked out of the tank during flow.

Static Cracks- A crack in the concrete surface whose width does not change.

GLOSSARY OF TERMS FOR STEEL/CONCRETE TANKS

Stitch or Skip Weld- Method of welding two pieces of steel together with intermittent short sections of weld bead. Leaves open lap joints along the unwelded sections.

Tubercle - Domed shaped buildup of corrosion products over an active corrosion site. Promotes metal loss through pitting due to differential oxygen concentrations.

Ultrasonic Measurement - The use of high frequency sound waves passed through a material to measure the time required to return. The time required to pass through the material is correlated to the speed of sound in the substrate to yield an actual thickness at a specific location.

Vapor Barrier- Waterproof membrane placed under concrete floor slabs that are placed on grade.

All,

Under the regional water system agreement, the Ledyard WPCA is entitled to be reimbursed for water tank cleaning and repairs.

Stan



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1839

Agenda Date: 3/26/2024

Agenda #: 3.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Any Other Old Business to come before the Authority.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 24-0259

Agenda Date: 3/26/2024

Agenda #: 1.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Motion to APPROVE setting a Public Hearing date of April 23, 2024, at 6:00 (just prior to Regular Meeting) to receive comment, both oral and written, regarding a proposed 5% rate increase on Water starting on July 1, 2024.

The Public notice will be printed in the New London Day Paper, the Town's Website and in the Ledyard Town Clerk's office no later than April 11, 2024.

Background:

From the February 27, 2024, meeting:

Chairman Lynch was recently informed by GU that there will be a five percent increase in water costs from Groton Utilities starting on October 1, 2024. Therefore, the authority will recommend a five percent rate increase for the next budget. The total increase will be \$54,604.84. Contingency will increase \$35,476.44. Water usage charge will increase \$19,128.40.

Department Comment/Recommendation:

(type text here)

LEDYARD WATER POLLUTION CONTROL AUTHORITY
PROPOSED RATE INCREASE July 1, 2022

	Water	\$ Per 100	\$ per 100	Old	Old	New	New	NEW Sewer Rate Factor		New Minimum	New Maximum	Old Minimum	Old Maximum	
	Usage	gallons –	gallons - New	Minimum	Maximum	Minimum	Maximum			Sewer Rate	Sewer Rate	Sewer Rate	Sewer Rate	
	per	Old Rates	Rates											
	month													
Service Rates - Single Family Metered Monthly Billing Residential														
Unmetered				\$ 64.64	\$ 64.64207	\$ 67.87	\$ 67.87200	1.38283		\$ 93.86	\$ 93.96	\$ 93.86	\$ 93.96	
0	3333	down to 0.8967	down to 0.9236	\$ 30.78	\$ 30.78	\$ 32.32	\$ 32.32	1.38283		\$ 44.49	\$ 44.69	\$ 44.49	\$ 44.69	
3333	6666	0.9801	1.0095	30.78	64.43	\$ 32.32	\$ 67.65	1.38283		\$ 44.70	\$ 93.55	\$ 44.70	\$ 93.55	
6666	10,000	1.0699	1.102	64.43	101.16	\$ 67.65	\$ 106.22	1.38283		\$ 93.55	\$ 146.88	\$ 93.55	\$ 146.88	
10000	13,333	1.2932	1.332	101.16	\$ 145.55	\$ 106.22	\$ 152.83	1.38283		\$ 146.88	\$ 211.33	\$ 146.88	\$ 211.33	
13,333	16,333	1.5409	1.5871	\$ 145.55	198.45	\$ 152.83	\$ 208.37	1.38283		\$ 211.33	\$ 288.44	\$ 211.33	\$ 288.44	
16,333	20,000	1.8485	1.904	198.45	\$ 261.91	\$ 208.37	\$ 275.01	1.38283		\$ 288.44	\$ 370.42	\$ 288.44	\$ 370.42	
20,000	23,333	2.2184	2.285	\$ 261.91	\$ 338.07	\$ 275.01	\$ 354.97	1.38283		\$ 370.42	\$ 490.85	\$ 370.42	\$ 490.85	
23,333		2.6628	2.7427	\$ 338.07		\$ 354.97		1.38283		\$ 490.85		\$ 490.85		
0	10,000			\$ 123.13	\$ 123.13	\$ 129.29	\$ 129.29	1.38283		\$ 178.78	\$ 178.78	\$ 178.78	\$ 178.78	
10,000	20,000	1.6345	1.68354	\$ 123.13	\$ 291.48	\$ 129.29	\$ 306.05	1.38283		\$ 178.78	\$ 423.21	\$ 178.78	\$ 423.21	
20,000	30,000	1.6345	1.68354	\$ 291.48	\$ 459.84	\$ 306.05	\$ 482.83	1.38283		\$ 423.21	\$ 667.65	\$ 423.21	\$ 667.65	
30,000	40,000	1.6345	1.68354	446.4431	\$ 628.19	\$ 482.83	\$ 659.60	1.38283		\$ 667.65	\$ 912.09	\$ 667.65	\$ 912.09	
40,000	50,000	1.6345	1.68354	\$ 628.19	\$ 796.55	\$ 659.60	\$ 836.38	1.38283		\$ 912.09	\$ 1,156.53	\$ 912.09	\$ 1,156.53	
50,000	60,000	1.6345	1.68354	\$ 796.55	\$ 964.90	\$ 836.38	\$ 1,013.15	1.38283		\$ 1,156.53	\$ 1,400.97	\$ 1,156.53	\$ 1,400.97	
60,000	70,000	1.6345	1.68354	\$ 964.90	\$ 1,133.25	\$ 1,013.15	\$ 1,189.91	1.38283		\$ 1,400.97	\$ 1,645.41	\$ 1,400.97	\$ 1,645.41	
70,000		1.6345	1.68354	\$ 1,133.25		\$ 1,189.91		1.38283		\$ 1,645.41		\$ 1,645.41		

FY2025 Water Budget

Report As of: 1/17/2024

ORG	OBJ	ACCOUNT DESCRIPTION	FY22 Actual	FY23 Actual	FY24 BUDGET	FY24 YTD ACTUAL	FY24 ENCUMBRANCE/REQ	FY24 AVAILABLE BUDGET	% USED	FY25 Proposed Budget	Changes
50590991	59305	CONTRIBUTION TO CNR	101,000.00	130,000.00	130,000.00	0.00	0.00	130,000.00	0%	130,000.00	0.00
50591603	58100	DUES & FEES	1,276.66	637.50	3,100.00	568.74	0.00	2,531.26	18%	3,100.00	0.00
50591623	56225	POWER PURCHASED	12,503.86	13,907.31	10,000.00	3,447.70	6,552.30	0.00	100%	10,000.00	0.00
50591626	53720	GU OPERATING-EMERGENCY	0.00	11,625.58	9,000.00	11,279.14	2,617.86	-4,897.00	154%	9,000.00	0.00
50591627	53725	GU OPERATING AGREEMENT ANNUAL	301,451.28	266,611.40	298,120.00	99,373.32	198,746.68	0.00	100%	305,573.00	7,453.00
50591627	53726	GU CUSTOMER SERVICE	92,805.90	113,081.64	96,632.18	32,214.16	53,785.84	10,632.18	89%	99,436.64	2,804.46
50591663	54110	RTE 12 WATER PURCHASED USED	335,188.30	334,448.16	257,576.05	156,870.27	93,129.73	7,576.05	97%	267,235.15	9,659.10
50591663	54115	ROUTE 117 WATER PURCHASED USED	354,556.52	375,858.78	252,514.51	149,563.59	102,936.41	14.51	100%	261,983.81	9,469.30
50591663	54120	METER EQUIPMENT	9,231.60	20,423.92	16,000.00	0.00	10,000.00	6,000.00	63%	16,000.00	0.00
50591921	53601	INTEREST EXPENSE	22.00	22.00	0.00	0.00	0.00	0.00	0%	0.00	0.00
50591921	54420	FINANCE DEPT SERVICES	26,000.00	26,000.00	26,000.00	0.00	0.00	26,000.00	0%	26,000.00	0.00
50591921	54506	FIRE HYDRANT MAINTENANCE	-8,175.00	-8,175.00	5,000.00	0.00	0.00	5,000.00	0%	5,000.00	0.00
50591921	58810	GEN OBLIGATION BOND PRINCIPAL	0.00	0.00	85,274.54	0.00	0.00	85,274.54	0%	20,799.00	-64,475.54
50591921	58811	GEN OBLIGATION BOND INTEREST	5,449.25	7,487.52	5,782.03	0.00	0.00	5,782.03	0%	3,661.00	-2,121.03
50591921	58820	CWF/DWSRF LOAN PRINCIPAL	0.00	0.00	250,643.62	0.00	0.00	250,643.62	0%	255,730.00	5,086.38
50591921	58821	CWF/DWSRF LOAN INTEREST	56,863.59	51,963.15	46,978.08	12,215.79	0.00	34,762.29	26%	41,892.00	-5,086.08
50591921	58822	LOAN PAYMENT TO SEWER DEP	0.00	0.00	12,500.00	0.00	0.00	12,500.00	0%	12,500.00	0.00
50591921	59300	TRANSFERRED FUNDS	187,500.00	187,500.00	0.00	0.00	0.00	0.00	0%	0.00	0.00
50591923	53600	ACCOUNTING SERVICES/AUDIT	8,500.00	8,670.00	9,738.00	4,250.00	2,571.25	2,916.75	70%	9,738.00	0.00
50591926	52300	RETIREMENT	0.00	30,735.00	3,865.31	0.00	0.00	3,865.31	0%	4,058.58	193.27
50591991	58910	CONTINGENCY	0.00	0.00	0.00	0.00	0.00	0.00	0%	35,476.44	35,476.44
50591991	59500	DEPRECIATION EXPENSE	355,072.00	312,364.00	0.00	0.00	0.00	0.00	0%	0.00	0.00
50591999	59000	WRITE-OFF EXPENSE	0.00	450,065.00	0.00	0.00	0.00	0.00	0%	0.00	0.00
5059801	46044	WPCA REV NON CUSI	0.00		0.00	0.00	0.00	0.00	0%	0.00	0.00
5059801	46045	NEW METER CHARGE	-120.00	0.00	-5,000.00	0.00	0.00	-5,000.00	0%	-5,000.00	0.00
5059801	46046	WATER MISC	-1,407.25	-2,964.53	-3,000.00	3,988.15	0.00	-6,988.15	-133%	-3,000.00	0.00
5059801	46048	NEW CONNECTION REVENUE	-5,305.00	-20,640.00	-5,000.00	-2,660.00	0.00	-2,340.00	53%	-5,000.00	0.00
5059801	46049	TRANSMISSION FEE MONTVILLE WAT	-12,613.35	-13,227.70	-21,000.00	-4,989.53	0.00	-16,010.47	24%	-21,000.00	0.00
5059801	46050	WATER USAGE CHARGE	-1,105,479.13	-1,145,901.06	-1,081,646.32	-566,628.72	0.00	-515,017.60	52%	-1,146,701.62	-65,055.30
5059801	46051	WATER LATE FEE	-543.21	-1,235.88	0.00	-865.18	0.00	865.18	0%	0.00	0.00
5059801	46053	WATER ASSESSMENT	-20,355.65	-15,356.58	0.00	-2,426.69	0.00	2,426.69	0%	0.00	0.00
5059801	46054	HYDRANT MAINTENANCE	0.00	0.00	-14,400.00	0.00	0.00	-14,400.00	0%	-14,400.00	0.00
5059001	47009	MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00	0.00	0%	0.00	0.00
5059801	48001	INTEREST ON DEPOSITS	-1,962.19	-393.24	0.00	0.00	0.00	0.00	0%	0.00	0.00
5059001	49002	TRANSERS IN:	-418,985.24	-392,089.23	-388,678.00	0.00	0.00	-388,678.00	0.00	-322,082.00	66,596.00
Total 0505 WATER FUND			272,474.94	741,417.74	0.00	-103,799.26	470,340.07	-366,540.81		0.00	
Revenue Total			-1,566,771.02	-1,591,808.22	-1,518,724.32	-573,581.97	0.00	-945,142.35		-1,517,183.62	1,540.70
Expense Total			1,839,245.96	2,333,225.96	1,518,724.32	469,782.71	470,340.07	578,601.54		1,517,183.62	-1,540.70

5% increase

Delta Change

% inc overall 2023

% inc 2023 minus bond fess



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 24-0273

Agenda Date: 3/26/2024

Agenda #: 2.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Motion to APPROVE payment of CorrTech invoice #16805 02, dated February 29, 2024, in the amount of \$3,386.00, for ROV Inspection Holmberg Orchard Concrete Reservoir with Report.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)



INVOICE
Invoice Number 16805 02

February 29, 2024

Groton Utilities
Attn - duartem@grotonutilities.com, Mauricio Duarte
295 Meridian Street
Groton, CT 06340

RE: Groton Utilities: CorrTech Authorization
CorrTech Job# 16805

Description: Groton Utilities 295 Meridian Street Groton, CT 06340. Service provided in February 2024.

FEES:

DESCRIPTION	FEES
ROV Inspection Holmbers Orchard Concrete Reservoir with Report	\$3,386.00
TOTAL FEES	\$3,386.00

TOTAL AMOUNT DUE THIS INVOICE **\$3,386.00**

TERMS – DUE UPON RECEIPT

We accept MasterCard, Visa and American Express



REMIT TO:
CorrTech, Inc.
25 South Street
Unit E
Hopkinton, MA 01748



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 24-0274

Agenda Date: 3/26/2024

Agenda #: 3.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Motion to APPROVE a Purchase Order request for \$18,975.00, to Groton Utilities for Ledyard Multi-Use Pathway inspection, and installation of a tapping sleeve valve for 1 fire hydrant by Groton Utilities' Distribution crew (hydrant to be re-located by others).

Background:

(type text here)

Department Comment/Recommendation:

(type text here)



GROTON UTILITIES

File

March 7th, 2024

Ledyard WPCA
Attn: Ed Lynch
741 Colonel Ledyard Highway
Ledyard, CT 06339-1511

Re: Ledyard Multi-Use Pathway

Dear Mr. Lynch,

The receipt of your request for Groton Utilities Project Management, inspection labor at Col. Ledyard Highway, for the proposed Multi-Use Pathway & Sidewalk is acknowledged and installation of a tapping sleeve valve for 1 fire hydrant by Groton Utilities' Distribution crew (hydrant to be re-located by others). We have prepared the following **ESTIMATE** based upon our discussions for your use:

Estimated charges from Groton Utilities: = \$18,975.00

Groton Utilities will provide the following:

- 12" x 6" Tapping Sleeve Valve
- Tapping Service
- Inspection of all water service, fire service, and main crossings
- Updates to all records as needed indicating crossing location and separation measurements
- Valve operation as needed for isolating section of main and fire hydrant services

This **estimate** of cost prepared by the Engineering Department is provided for informational purposes only. You will be responsible for the **actual cost** of any work done by this Department. Actual cost shall be understood to include all Department charges for labor, material, and equipment with an applicable markup on labor to cover overhead expenses. Any charges from outside contractors will be billed at actual cost.

Should you have any questions concerning this estimate, please feel free to contact me at 860-460-0595.

Sincerely,

GROTON UTILITIES

Cesar Osuba
Project Manager



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1840

Agenda Date: 3/26/2024

Agenda #: 4.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Any Other New Business to come before the Authority.

Motion to APPROVE payment to Groton Utilities invoice #0023880, dated February 27, 2024, in the amount of \$82.08, for lead inventory.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)

**GROTON**

At Your Service

295 Meridian Street - Groton, Connecticut 06340
 Tel: 860-446-4025 Fax: 860-446-4075

Signature _____

PO# 20241743

Date _____

DATE	INVOICE NO
2/29/2024	0023880

BILL TO
Ledyard, Town of 741 Colonel Ledyard Hwy Ledyard, CT 06339-1511

DUE DATE
3/30/2024

DESCRIPTION	QUANTITY	EFFECTIVE RATE	AMOUNT	DISCOUNT	CREDIT	BALANCE
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PREVIOUS OUTSTANDING BALANCE 3,038.70

WO Billing until 02/18/2024:

6029242 - Labor	1.00	\$2.08	\$2.08	0.00	0.00	\$2.08
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INVOICE TOTAL:			\$2.08	0.00	0.00	\$2.08
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PLEASE DETACH BOTTOM PORTION & REMIT WITH YOUR PAYMENT

For questions please contact us at

Customer Name: Ledyard, Town of
 Customer No: 000205
 Account No: 0015817 - Ledyard LS LR Inventory

DUE DATE	INVOICE NO
3/30/2024	0023880

Please remit payment by the due date to:

City of Groton
 Groton Utilities 860-446-4025
 295 Meridian Street
 Groton, CT 06340-

Invoice Total:	\$2.08
Discounts:	0.00
Credit Applied:	0.00
Ending Balance:	\$2,150.78

INVOICE BALANCE: \$82.08

AMOUNT PAID: _____

Ledyard LS/LR Inventory						
WO Audit Report						
until 02/18/2024						
WO Number	Labor	Activity	Units	Date	Description	Time Sheet Notes
0029242	82.08	82.08	1.50	01/24/2024	Blacker, Katherine	LEDYARD LSL INVENTORY
Report Totals	82.08	82.08				