

**EAST LYME WATER AND SEWER COMMISSION
AGENDA
November 15, 2022
7:00 PM**

**East Lyme Town Hall
(Upstairs Main Meeting Room)**

Hybrid Meeting (Zoom Link on Next Page)

- 1. Call to Order / Pledge of Allegiance**
- 2. Approval of Minutes**
 - a. Regular Meeting Minutes – October 25, 2022**
- 3. Delegations**
- 4. Billing Adjustments/Disputes**
- 5. Approval of Bills**
- 6. Finance Director Report**
- 7. Consider Adoption of 2023 Water and Sewer Meeting Schedule**
- 8. Project Updates**
 - a. Meter Replacement Project**
- 9. Discussion and Possible Action on Well 2A/3A/3B Permit Renewal**
- 10. Discussion and Possible Action on Well 2A Water Main Extension**
- 11. Chairman's Report**
- 12. Staff Updates**
 - a. Water Department Monthly Report**
 - b. Sewer Department Monthly Report**
- 13. Future Agenda Items**
- 14. Adjournment**

Candice M. Brown
TOWN CLERK

2022 NOV - 7 A 9:55

RECEIVED FOR RECORD
EAST LYME, CT

East Lyme is inviting you to a scheduled Zoom meeting.

Topic: East Lyme Water and Sewer Commission Hybrid Meeting

Time: Nov 15, 2022 07:00 PM Eastern Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/88637679040>

Meeting ID: 886 3767 9040

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**EAST LYME WATER & SEWER COMMISSION
REGULAR MEETING
TUESDAY, OCTOBER 25th, 2022
MINUTES**

The East Lyme Water & Sewer Commission held a Regular Meeting on Tuesday, October 25th, 2022. Chairman Seery called the Regular Meeting to order at 6:40 PM immediately following the previously scheduled Public Hearings on the proposed new water and sewer rates.

PRESENT: Kevin Seery, Chairman, Dave Bond, Steve DiGiovanna, Dave Jacques, Dave Murphy, Carol Russell, Roger Spencer, Dave Zoller, Joe Mingo (by Zoom)

ALSO PRESENT: Joe Bragaw, Public Works Director
Ben North, Municipal Utility Engineer
Anne Santoro, Deputy First Selectman

ABSENT: No One

RECEIVED FOR RECORD
EAST LYME, CT
2022 NOV - 1 A 10:04
TOWN CLERK

1. Call to Order / Pledge of Allegiance

Chairman Seery called the Regular Meeting of the East Lyme Water & Sewer Commission to order at 7:00 PM and led the assembly in the Pledge.

2. Approval of Minutes

▪ Regular Meeting Minutes – September 27, 2022

Mr. Seery called for a motion or any discussion on the Regular Meeting Minutes of September 27, 2022.

Ms. Russell said that she wanted to clarify her comments under Item 7 and Item 10, then submitted the language (attached to minutes).

****MOTION (1)**

Mr. DiGiovanna moved to approve the Regular Meeting Minutes of September 27, 2022 with the attachment submitted by Ms. Russell.

Mr. Murphy seconded the motion.

Vote: 8 – 0 - 1. Motion passed.

Abstained: Mr. Zoller

3. Delegations

Mr. Seery called for delegations.

There were none.

4. Consider Adoption of Proposed Water Rates

Mr. Bragaw noted that he had just received the information on the revenues and that while they are a bit better, he feels that they should stay the course with what was presented.

****MOTION (2)**

Mr. DiGiovanna moved to approve the Water rates/fees as proposed.

Mr. Zoller seconded the motion.

Vote: 9 – 0 – 0. Motion passed.

5. Consider Adoption of Proposed Sewer Rates



Mr. Bragaw noted that the revenues were also a bit better on the sewer side and said that he would hold with the rates as presented as just about all of the increase was going to the New London fees.

****MOTION (3)**

Mr. Murphy moved to approve the Sewer rates/fees as proposed.

Mr. DiGiovanna seconded the motion.

Vote: 9 – 0 – 0. Motion passed.

6. Billing Adjustments/Disputes

There were none.

7. Approval of Bills

There were none.

8. Finance Director Report

Mr. Gervais was not able to be present and there was no report.

9. Project Updates

▪ **Meter Replacement Project**

Mr. North reported that meter replacements are at 54% with 229 added to the system.

10. Correspondence Log

There were no comments.

11. Chairman's Report

Mr. Seery noted that they would be using some sewer assessment funds to purchase some supplies. He also said that on October 27, 2022 at the High School at 6 PM there would be a presentation by the State on the Rte. 161 project.

12. Staff Updates

a. Water Department Monthly Report

Mr. North noted that they are finally seeing the water usage coming back down; and also the precipitation that they have been seeing lately is starting to help. They are starting to send flow back to New London.

b. Sewer Department Monthly Report

Mr. North said that they are looking to do some sewer assessments at the end of the year and also some in January such as The Norton at 185 Main.

Mr. Murphy asked about the pump station at Rocky Neck.

Mr. North said that the State is still working on their design.

Mr. Murphy said that he is interested in discussion on the water that is being used for lawns and feels that they should be looking into this.

Mr. Bragaw said that they could discuss this in the coming months but now the meter replacement project needs to be completed first.

Mr. Bond commented that sub-metering does have a real benefit and thinks that they should look into it.

Mr. Seery noted that two people had come to the meeting and had missed Delegations – He asked if they wished to speak –

Mindy Horner and Phillip Jordan of 18 Cedarbrook Lane said that they have had an awful time with leaks in their water lines. She synopsised the events noting that she had received a call from the Water & Sewer office informing her that her water usage was way up. At this time she also asked about the

new meters and if she could sign up to get one. She signed up and then received a letter that it could not be installed because her old meter was too deep and that she as the homeowner would be responsible for having it pulled up for replacement. She asked who allowed the water lines to be on top of other lines.

Mr. North said that for some unknown reason the 1 ft. riser was put over the existing meter pit. Also, all meter pits are the responsibility of the homeowner and always have been.

Mr. Jordan asked when they build the riser up if there would be a problem with frost and freezing.

Mr. North said that the meter sits below the frost plate.

They agreed to further discuss this in the office with Mr. North.

13. Future Agenda Items

- Rate Analysis Subcommittee

14. ADJOURNMENT

Mr. Seery called for a motion to adjourn.

****MOTION (4)**

Mr. DiGiovanna moved to adjourn this Regular Meeting of the East Lyme Water & Sewer Commission at 7:14 PM.

Mr. Murphy seconded the motion.

Vote: 9 – 0 – 0. Motion passed.

Respectfully submitted,

Karen Zmitruk,
Recording Secretary

October 25, 2022

To: East Lyme Water & Sewer Commission

Fr: Carol Russell

Re: Proposed ^{clarifications} ~~Corrections~~ to Regular Meeting Minutes for September 27, 2022

1. Agenda Item # 7, under the discussion for Motion (2) on page 3 the statement attributed to me should be corrected as follows: Ms. Russell questioned if we could partner with another community for chemical purchases.
2. Agenda Item # 10, under the Niantic Pump Station Hazard Mitigation discussion at the top of page 4 the statement attributed to me should be corrected/clarified as follows: Ms. Russell asked if the potential flood risk is as serious as stated by FEMA, should we be looking to build a back-up station for sewage flow to by-pass the Niantic Pump Station should a catastrophic flooding event occur. In other words, do we need to focus more on redundancy rather than resilience?

Submitted by Carol Russell
to clarify her statements 10/25/22

**EAST LYME WATER & SEWER COMMISSION
PUBLIC HEARING I
Tuesday, OCTOBER 25th, 2022
MINUTES**

The East Lyme Water & Sewer Commission held a Public Hearing on October 25, 2022 to hear comments regarding proposed revisions to rates and charges for connection to and the use of the East Lyme Water System.

PRESENT: Kevin Seery, Chairman, Dave Bond, Steve DiGiovanna, Dave Jacques, Joe Mingo (by Zoom), Dave Murphy, Carol Russell, Roger Spencer, Dave Zoller

ALSO PRESENT: Joe Bragaw, Public Works Director
Ben North, Municipal Utility Engineer
Anne Santoro, Deputy First Selectman

ABSENT: No One

Pledge of Allegiance
The Pledge was observed.

Public Hearing I

♦ **Proposed Revisions to rates and charges for connection to and the use of the East Lyme Water System**

Chairman Seery called this Public Hearing on the proposed Water rates to order at 6:30 PM.

He noted that the Notice of Public Hearing with the proposed new rates had been published in the New London Day on October 13, 2022. (Copy attached) He also noted that they were discussed at the September meeting of the Commission where they were presented.

Mr. Seery asked if there were any members of the public who wished to comment –
There were none.

He asked if the Commissioners had any questions or comments –
Hearing none –

Mr. Seery called for a motion to close this Public Hearing.

****MOTION (1)**

Mr. Murphy moved to close this Public Hearing.

Mr. DiGiovanna seconded the motion.

Vote: 9 – 0 – 0. Motion passed.

Mr. Seery closed this Public Hearing at 6:35 PM.

Respectfully submitted,

Karen Zmitruk,
Recording Secretary

RECEIVED FOR RECORD
EAST LYME, CT
2022 NOV - 1 A 10:04
Karen Zmitruk
TOWN CLERK

TOWN OF EAST LYME
WATER AND SEWER COMMISSION
NOTICE OF PROPOSED WATER RATES

NOTICE IS HEREBY GIVEN of a public hearing to be held by East Lyme Water and Sewer Commission on Tuesday October 25, 2022; to consider proposed revisions to the rates and charges for connection to and of the use of East Lyme Water System. This hearing will occur at the East Lyme Town Hall at 108 Pennsylvania Ave in Niantic immediately following the water rates hearing which is scheduled for 6:30 p.m.

The proposed water rates and charges are as follows:

SCHEDULE I - RATES FOR USAGE based on meter readings at six-month intervals.

	Rate
Minimum charge per six-month period, for usage up to a maximum of 3,500 gallons per six-month period	\$80
3,501 gallons to 40,000 gallons per six-month period	\$5.25/1,000 gallons
3,501 gallons to 150,000 gallons per six-month period	\$5.90/1,000 gallons
3,501 gallons to 2,500,000 gallons per six-month period	\$6.60/1,000 gallons
3,501 gallons to over 2,500,000 gallons per six-month period	\$7.80/1,000 gallons

SCHEDULE II - MISCELLANEOUS SEWER CHARGES

Meter Service/Maintenance Fee Divided up equally over the billing cycles	\$30.00/cust/yr
Application for Connection Permit	
Class 'A' Residential	\$150
Class 'B' Multi Family and Commercial	\$300
Class 'C' Industrial	\$700
Demolition/Disconnect Any Class	\$80
Annual Private Hydrant Charge	\$275
Annual Fire Sprinkler Charge	\$275
Sale of Stocked Material	Cost, incl. shipping, plus 15% admin fee

METER CHARGES (FLAT RATE)

Frozen Meter Repair (normal working hours)	\$135
Frozen Meter Repair (after normal working hours)	\$200
Install/Disconnect Meter (normal working hours)	\$135
Install/Disconnect Meter (after normal working hours)	\$200
All Meter Tests	\$150
Manual Meter Reading Fee	\$50

EAST LYME WATER & SEWER COMMISSION
OCT 25 2022
AGENDA # <u>4</u>

Attachment was PHS 10/25/22

INSPECTION SERVICES

During Normal Working Hours \$100/hour

After Normal Working Hours \$125/hour

TURN ON/SHUT OFF (FLAT RATE)

During Normal Working Hours (includes turn on & off and charged at the time of the turn on) \$100

After Normal Working Hours \$150

CONNECTION CHARGES

All Services \$4,000 min or actual cost (whichever is greater)

These proposed rates and charges would become effective on November 30, 2022 if approved. Rates for usage shall be payable at six-month intervals. All other rates shall be payable at the time services are rendered.

The owners of the properties against which the proposed rates and charges are to be levied and other interested persons are invited to attend and be heard.

Dated at East Lyme, Connecticut on this 7th of October 2022

EAST LYME WATER AND SEWER COMMISSION

Kevin Seery, W&S Commission Chair

PUBLISHER'S CERTIFICATE

State of Connecticut
County of New London, ss. New London

Personally appeared before the undersigned, a Notary Public within and for said County and State, Matt Suraci, Legal Advertising Clerk, of The Day Publishing Company Classifieds dept, a newspaper published at New London, County of New London, state of Connecticut who being duly sworn, states on oath, that the Order of Notice in the case of

A true copy of which is hereunto annexed, was published in said newspaper in its issue(s) of 10-13-22

Cust: EAST LYME TOWN/SEWER DEPT

Ad #: 501043771

Matt Suraci
Subscribed and sworn to before me

This Thursday, October 20, 2022

Maaylla Johnson
Notary Public

My commission expires 5/31/24

TOWN OF EAST LYME
WATER AND SEWER COMMISSION
NOTICE OF PROPOSED WATER RATES

NOTICE IS HEREBY GIVEN of a public hearing to be held by East Lyme Water and Sewer Commission on Tuesday October 25, 2022 to consider proposed revisions to the rates and charges for construction to and of the use of East Lyme Water System. This hearing will occur at the East Lyme Town Hall at 108 Pennsylvania Ave in Niantic immediately following the water rates hearing which is scheduled for 8:30 pm.

The proposed water rates and charges are as follows:

SCHEDULE I - RATES FOR USAGE based on meter readings at six-month intervals.

Usage	Rate
Minimum charge per six-month period, for usage up to a maximum of 3,500 gallons per six-month period	\$80
3,501 gallons to 10,000 gallons per six-month period	\$5.25/1,000 gallons
10,001 gallons to 150,000 gallons per six-month period	\$5.90/1,000 gallons
150,001 gallons to 2,500,000 gallons per six-month period	\$6.60/1,000 gallons
2,500,001 gallons to over 2,500,000 gallons per six-month period	\$7.50/1,000 gallons

SCHEDULE II - MISCELLANEOUS SEWER CHARGES

Meter Service/Maintenance Fee Divided up equally over the billing cycles	\$30.00/cust/yr
Application for Connection Permit	\$2,400.00
Class A- Residential	\$150
Class B- Multi Family and Commercial	\$300
Class C- Industrial	\$700
Demolition/Disconnect-Any Class	\$90
Annual Private Hydrant Charge	\$275
Annual Fire Sprinkler Charge	\$275
Sale of Stocked Material	Cost, incl. shipping, plus 15% admin fee

METER CHARGES (FLAT RATE)

Frozen Meter Repair (normal working hours)	\$135
Frozen Meter Repair (after normal working hours)	\$200
Install/Disconnect Meter (normal working hours)	\$135
Install/Disconnect Meter (after normal working hours)	\$200
All Meter Tests	\$150
Manual Meter Reading Fee	\$50

INSPECTION SERVICES

During Normal Working Hours	\$100/hour
After Normal Working Hours	\$125/hour

TURN ON/SHUT OFF (FLAT RATE)

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TOWN OF EAST LYME
 NOTICE OF PROPOSED WATER RATES
 The Town of East Lyme is proposing to increase the water rates for the year 2023. The proposed rates are as follows:

Service	2022 Rate	2023 Rate
Residential	\$12.00	\$13.50
Commercial	\$18.00	\$20.25
Industrial	\$24.00	\$27.00

CONSTRUCTION
 The Town of East Lyme is proposing to increase the water rates for the year 2023. The proposed rates are as follows:

Service	2022 Rate	2023 Rate
Residential	\$12.00	\$13.50
Commercial	\$18.00	\$20.25
Industrial	\$24.00	\$27.00



Publication Date: 10/13/2022

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TOWN OF EAST LYME
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**EAST LYME WATER & SEWER COMMISSION
PUBLIC HEARING II
Tuesday, OCTOBER 25th, 2022
MINUTES**

The East Lyme Water & Sewer Commission held a Public Hearing on October 25, 2022 to hear comments regarding proposed revisions to rates and charges for connection to and the use of the East Lyme Sewer System. The public hearing was called to order immediately following the Public Hearing on the proposed water rates.

PRESENT: Kevin Seery, Chairman, Dave Bond, Steve DiGiovanna, Dave Jacques, Joe Mingo (by Zoom), Dave Murphy, Carol Russell, Roger Spencer, Dave Zoller

ALSO PRESENT: Joe Bragaw, Public Works Director
Ben North, Municipal Utility Engineer
Anne Santoro, Deputy First Selectman

ABSENT: No One

Pledge of Allegiance

The Pledge was previously observed.

Public Hearing II

♦ **Proposed Revisions to rates and charges for connection to and the use of the East Lyme Sewer System**

Chairman Seery called this Public Hearing on the proposed Sewer rates to order at 6:35 PM immediately following the previously scheduled Public Hearing on the proposed Water rate increases.

He noted that the Notice of Public Hearing with the proposed new rates had been published in the New London Day on October 13, 2022. (Copy attached) He also noted that they were discussed at the September meeting of the Commission where they were presented.

Mr. Seery asked if there were any members of the public who wished to comment – There were none.

He asked if the Commissioners had any questions or comments – Hearing none –

Mr. Seery called for a motion to close this Public Hearing.

****MOTION (1)**

Mr. Murphy moved to close this Public Hearing.

Mr. DiGiovanna seconded the motion.

Vote: 9 – 0 – 0. Motion passed.

Mr. Seery closed this Public Hearing at 6:39 PM.

Respectfully submitted,

Karen Zmitruk,
Recording Secretary

Karen Zmitruk
TOWN CLERK

2022 NOV - 1 A 10: 04

RECEIVED FOR RECORD
EAST LYME, CT

TOWN OF EAST LYME
WATER AND SEWER COMMISSION
NOTICE OF PROPOSED SEWER RATES

NOTICE IS HEREBY GIVEN of a public hearing to be held by East Lyme Water and Sewer Commission on Tuesday October 25, 2022; to consider proposed revisions to the rates and charges for connection to and of the use of East Lyme Sewerage System. This hearing will occur at the East Lyme Town Hall at 108 Pennsylvania Ave in Niantic immediately following the water rates hearing which is scheduled for 6:30 p.m.

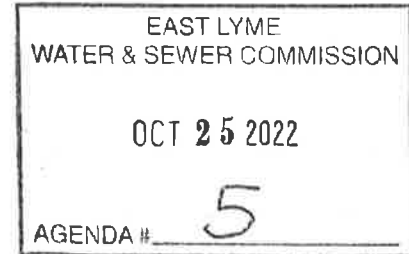
The proposed sewer rates and charges are as follows:

SCHEDULE I - RATES FOR USAGE based on meter readings at six-month intervals.

	Rate
Up to 2,500,000 gallons per six-month period	\$9.34/1,000 gallons
2,500,000 gallons and over per six-month period	\$10.14/1,000 gallons
Unmetered, per six-month period	\$245.47

SCHEDULE II - MISCELLANEOUS SEWER CHARGES

Application for Connection Permit		
Class 'A' Residential		\$150
Class 'B' Multi Family and Commercial		\$300
Class 'C' Industrial		\$700
Demolition/Disconnect Any Class		\$80
Sale of Stocked Material		Cost, incl. shipping, plus 15% admin fee
INSPECTION SERVICES		
During Normal Working Hours		\$100/hour
After Normal Working Hours		\$125/hour



These proposed rates and charges would become effective on November 30, 2022 if approved. Rates for usage shall be payable at six-month intervals. All other rates shall be payable at the time services are rendered.

The owners of the properties against which the proposed rates and charges are to be levied and other interested persons are invited to attend and be heard.

Dated at East Lyme, Connecticut on this 7th of October 2022

EAST LYME WATER AND SEWER COMMISSION

Kevin Seery, W&S Commission Chair

Memo

To: Kevin A. Seery, First Selectman
Water & Sewer Commission
Joe Bragaw, Director of Public Works
Benjamin M. North, Utility Engineer

From: Kevin Gervais Jr., Finance Director

Date: November 15, 2022

Re: Month End Reports - October 31, 2022

Water:

The available cash balance in Water Operations at month end October 31, 2022, was \$574,005 compared to \$1,123,505 from the prior year. Of the current cash balance available, \$189,640 is held for Meter Deposits, thus the net cash available for Water Operations is \$384,365.

During the month of October, we received \$25,283 in revenues for a total fiscal year to date of \$64,863 of the budgeted amount compared to \$48,698 for the month of October 31, 2021, and \$128,509 for YTD revenue.

Total water operating expenditures for the month of October were \$334,228 of the amount budgeted compared to \$167,798 for October 2021. During the month of October, we paid \$95,786 for chemicals and \$42,305 for electricity.

Sewer:

The available cash balance in Sewer Operations at month end October 31, 2022, was \$233,125.80 compared to \$352,232 in October 2021.

During the month of October, we received \$25,283 in revenues for a total fiscal year to date of \$116,460 compared to \$44,329 and \$ 144,929 in October 2021 and 2021 YTD. In October we billed \$XX,XXX for Prison use compared to \$43,213 in October 2021.

Total sewer operating expenditures for the month of October were \$132,738 of the amount budgeted compared to \$149,729 in October 2021. During the month of October, the large expenditure driver in excess of \$10,000 was \$41,917 for Maintenance of Wet Wells. Other primary expenditures for the month were wages.

Sewer Assessment:

The available cash balance in Sewer Assessment at month end October 31, 2022, was \$3,761,841 compared to \$3,008,286 in October 2021.



**Town of East Lyme
Water & Sewer Operations
October 2022 Budget Highlights**

Description	10/31/2022	10/31/2021	Increase (Decrease)
WATER			
Total Revenues	91,515	128,509	(36,994)
Prison Billing	79,251	21,718	57,533
Delinquent Interest	5,452	3,415	2,037
Benefit Charges	5,400	11,050	(5,650)
Connection Charges	3,500	12,000	(8,500)
Misc/Turn On-Off Fees	2,978	5,545	(2,567)
Lease Rental	15,130	19,873	(4,743)
Total Expenditures	1,514,461	1,032,851	481,610
Bond Principal	584,300	229,618	354,682
Bond Interest	122,873	71,978	50,895
SEWER			
Total Revenues	63,287	144,929	(81,642)
Prison Billing	63,355	43,213	20,142
Total Expenditures	558,993	410,863	148,130
Treatment Plant/System	197,187	42,826	154,361
Utilities	34,173	50,084	(15,911)
Chemicals	40,900	35,365	5,535

Town of East Lyme
Water & Sewer Commission
Meeting Schedule
2023 Proposed

Meetings will be held at the East Lyme Town Hall
Meeting Room #1 (upstairs)
on the following listed Tuesdays at **7:00 PM**
(4th Tuesday of the Month unless otherwise noted*)

January 24, 2023

February 28, 2023

March 28, 2023

April 25, 2023

May 23, 2023

June 27, 2023

July 25, 2023

August 22, 2023

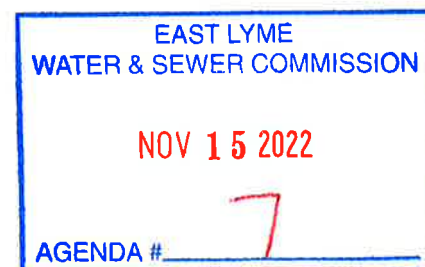
September 26, 2023

October 24, 2023

November 14, 2023
(*Second Tuesday due to the holidays)

***December 19, 2023**
(*Note: Due to the holidays the December meeting is on the Third Tuesday)

To be approved at the Water & Sewer Commission Meeting of November 15, 2022



Request for Water & Sewer Commission

TO: Water & Sewer Commission

FROM: Ben North, Utilities Engineer

DATE: November 7, 2022

SUBJECT: Well 2A/3A/3B Diversion Permit Renewal

Summary of Agenda Item:

The Well 2A/3A/3B Diversion Permit, issued by Connecticut Department of Energy and Environmental Protection, needs to be renewed. The diversion permit encompasses the operation requirements for daily withdrawals as well as special requirements during periods of stream flow restrictions. This permit renewal is an extensive process that identifies the need for the production capacities of the wells and operational strategies that are required to withdraw waters of the State. The permit usually has a duration of 10-15 years.

Action Needed:

Move to authorize the expenditure in the amount of \$17,500 in the water capital projects fund 62 from account number 62-70-006-500-005 titled, "Security/Well Improvements & Permit" for the completion of a new Well 2A/3A/3B Diversion Permit.

Attachments: None

Prepared By: Ben North, Utilities Engineer

W&S Agenda
Item No. 9
Date: 11/7/22

EAST LYME
WATER & SEWER COMMISSION
NOV 15 2022
AGENDA # 9

Request for Water & Sewer Commission

TO: Water & Sewer Commission
FROM: Ben North, Utilities Engineer
DATE: November 7, 2022

SUBJECT: Well 2A to Bride Brook Water Treatment Plant Transmission Main

Summary of Agenda Item:

Well 2A is the last remaining well in town that is untreated for iron and manganese removal. It is also one of the few wells that is not hampered by stream flow restrictions. It is currently capable of producing 0.86 Million Gallons Daily (MGD), but currently only runs about 1/3 of that amount to keep manganese levels in the distribution system to a minimum. Therefore, the benefits of constructing a raw water transmission main to the Bride Brook Treatment Plant are twofold by increasing the quality and quantity of water available to the customers of East Lyme.

The design and construction work shall be done in-house in a similar fashion to the Well 5 project. The timeframe for completion of this work will take about two to three months once the construction materials become available.

As the water department does not have the capital to invest in this upgrade, a loan will have to be secured. Because of the significant lead time for water piping, with a most recent estimate of 50 weeks, the water department is seeking to use funds from the Sewer Assessment Fund to secure purchase orders for the acquisition of the piping and other long lead-time materials. The water department intends to secure a loan with a 20-year payment period for approximately \$1.5 million during the Town's annual bonding cycle to pay for the rest of the upgrades as required for this project.

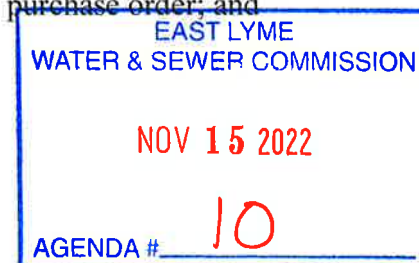
Action Needed:

WHEREAS, the East Lyme Water Department has determined that repairs and improvements are necessary to the Town's water system from Well 2A to Bride Brook water treatment plant transmission main and lagoon (hereinafter the "Project"); and

WHEREAS, the estimated cost of the Project is approximately \$1,500,000.00 and will be paid for with bond funding; and

WHEREAS, the work on the Project is expected to commence in 2023; and

WHEREAS, the cost to purchase long lead-time items needed for the Project which will include a new pipeline run from Well 2 to Well 3 is \$500,000.00 and said pipe will be constructed by the manufacturer over an approximate 50 week period from the date of the purchase order; and



WHEREAS, the Commission desires to use Sewer Assessment Funds in the amount of \$500,000.00 to purchase said pipe and to reimburse the funds upon receipt of the bond funds; and

BE IT THEREFORE RESOLVED, that the East Lyme Water and Sewer Commission authorizes the use of Sewer Assessment Funds in an amount not to exceed \$500,000.00 to purchase the long lead-time items to be used for the “Well 2A to Bride Brook Water Treatment Plant Transmission Main and Lagoon Improvements Project ” and directs that said funds be reimbursed to the Sewer Assessment Fund upon the receipt of the bond funds to finance said Project.

Attachments:

Well 2A to Bride Brook Water Treatment Plant Transmission Main and Lagoon Improvements

Prepared By: Ben North, Utilities Engineer

**W&S Agenda
Item No. 10
Date: 11/7/22**

**EAST LYME WATER DEPARTMENT
Well 2A to Bride Brook Water Treatment Plant Transmission Main & Lagoon Improvements
OPINION OF PROBABLE COST
November 8, 2022**

ITEM	DESCRIPTION	UNITS	QTY	UNIT PRICE	SUB TOTAL	TOTAL
1	Well 2A Transmission Main					\$580,000
	10" Ductile Iron Pipe w/ Hydrants and fittings (in shoulder off road)	LF	3,825	\$135	\$516,375	\$516,375
	Bridge Crossing		1	\$50,000	\$50,000	\$50,000
	Traffic Control		1	\$10,000	\$10,000	\$10,000
2	Well 2A Mechanical/Electrical/Instrumentation					\$210,000
	Permanent standby generator including storage of propane fuel	LS	1	\$120,000	\$120,000	\$120,000
	Instrumentation and SCADA	LS	1	\$75,000	\$75,000	\$75,000
	Flow Meter	LS	1	\$15,000	\$15,000	\$15,000
3	Bride Lake Site Civil/Site					\$300,000
	Reconfiguration of Transmission Main/Influent Piping for Filters	LS	1	\$25,000	\$25,000	\$25,000
	Lagoon Improvements / Connection to Sewer	1	1	\$75,000	\$75,000	\$75,000
4	Bride Lake Filter Building					\$200,000
	Chemical Treatment Improvements	1		\$50,000	\$50,000	\$50,000
	Building (Roofing/Insulation)	1		\$150,000	\$150,000	\$150,000
14	Construction Subtotal					\$1,290,000
16	Contingency (15%)		15%			\$200,000
17	Total					\$1,490,000

**East Lyme Water Department
Monthly Report - November 2022**

1. General Statistics

TASKS PERFORMED by WATER DEPARTMENT	October 2022	TOTAL THIS YEAR	TOTAL LAST YEAR (July 1st to June 30th)
Meters Installed (New Accounts)	2	10	29
New Meters In System	114	796	New / Total 3881 / 6914 or 56%
New Service Connections Installed	3	10	7
Services and Mains Repaired⁽¹⁾	2	18	50
Gallons Pumped (x1000)	54,484	266,554	729,104

(1) Repair or replacement of service line from main to curb stop.

2. Monthly Average Day Demand (MADD)

	October 2022	October 2021	% Difference LY
Water Produced (Million Gallons Daily)	1.758	1.726	1.85%

MADD as a % of 3.16 MGD available water (24-hour pumping) = 55.63%

MADD as a % of 2.37 MGD available water (18-hour pumping) = 74.18%

Note: Available water based on 2005 Water Supply Plan and subsequent revisions approved February 20, 2007. Figures not adjusted for additional water available from New London during the summer months.

3. Significant Items

- Precipitation was 3.96 inches for the month of October
- Staff is continuing meter replacement work. 114 meters have been installed in the month of October. Staff spent a significant amount of time cleaning up billing issues and troubleshooting meter reading problems in the field.
- Water production demand has returned to normal after very high demand during the summer drought. All wells with the exception of Wells 3A and 3B are back to full production.
- Water production to New London has resumed to replenish the withdrawals from summer demand. 3.4 Million Gallons (MG) were pumped in October and another 4.2 MG will be pumped by the end of the year to fulfill the contractual agreement. The department is on track to meet this requirement.

<p>EAST LYME WATER & SEWER COMMISSION</p> <p align="center">NOV 15 2022</p> <p>AGENDA # <u>12a</u></p>
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EAST LYME WATER DEPARTMENT

Historic Monthly Water Production Report (x1,000)

	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	% +/- (Previous Year)	Monthly Precip. (in.)
July	75953	72074	80638	81529	67948	67364	69703	64939	62206	79552	27.88%	1.00
Aug.	72609	69962	71557	73078	62844	61898	65912	66044	63933	75649	18.33%	2.58
Sept.	61524	54918	62752	56264	48592	52642	58151	56757	55281	56869	2.87%	6.00
Oct.	55600	50298	56829	53767	45152	48004	51836	48088	53507	54484	1.83%	3.96
Nov.	53195	46624	56798	51876	39400	51065	45917	40639	52801			
Dec.	61753	51289	59049	53697	45664	40675	48171	40399	56781			
Jan.	64296	53405	55502	55699	48433	44334	44334	45053	63884			
Feb.	55226	50538	58426	56887	41951	44733	47832	41912	61236			
Mar.	63206	55848	56130	55300	44903	54467	50150	48343	65938			
Apr.	58447	54891	56931	49606	46231	52493	48753	49554	60322			
May	65790	68621	65388	58395	51915	57692	55327	57411	65009			
Jun.	71966	64086	74172	64325	57332	58021	64665	57685	68306			
Total	759565	692554	754172	710423	600365	633388	650751	616824	729204			13.54
% +/- (Previous Year)	9.99%	-8.82%	8.90%	-5.80%	-15.49%	5.50%	2.74%	-5.21%	18.22%			
% +/- Running Annual Average											12.73%	

EAST LYME WATER DEPARTMENT

Historic Monthly Water Production Report (x1,000)

	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	AVG. Previous Years	22-23	% +/- (Previous Years)	Monthly Precip. (in.)
July	75953	72074	80638	81529	67948	67364	69703	64939	62206	72519	79552	9.70%	1.00
Aug.	72609	69962	71557	73078	62844	61898	65912	66044	63933	67988	75649	11.27%	2.58
Sept.	61524	54918	62752	56264	48592	52642	58151	56757	55281	56450	56869	0.74%	6.00
Oct.	55600	50298	56829	53767	45152	48004	51836	48088	53507	51197	54484	6.42%	3.96
Nov.	53195	46624	56798	51876	39400	51065	45917	40639	52801	48189			
Dec.	61753	51289	59049	53697	45664	40675	48171	40399	56781	50087			
Jan.	64296	53405	55502	55699	48433	44334	44334	45053	63884	51382			
Feb.	55226	50538	58426	56887	41951	44733	47832	41912	61236	49688			
Mar.	63206	55848	56130	55300	44903	54467	50150	48343	65938	53543			
Apr.	58447	54891	56931	49606	46231	52493	48753	49554	60322	52113			
May	65790	68621	65388	58395	51915	57692	55327	57411	65009	60067			
Jun.	71966	64086	74172	64325	57332	58021	64665	57685	68306	64032			
Total	759565	692554	754172	710423	600365	633388	650751	616824	729204	677255			13.54
% +/- (Previous Year)	9.99%	-8.82%	8.90%	-5.80%	-15.49%	5.50%	2.74%	-5.21%	18.22%				
% +/- Running Annual Average												7.03%	

**EAST LYME WATER DEPARTMENT
Well Production Report - October 2022**

Withdrawals	Well 1A		Well 2A		Well 3A		Well 3B		Well 4A		Well 5		Well 6		Wells 3A/3B	Wells 2A/3A/3B	Daily Total (Wells)	Water From NL	Water To NL	Daily Total (Wells & NL)(3)
	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)
Max. Reg./Perm.(1,2)	1.160		0.864		0.560		0.993		0.547		0.780		0.440		0.993	1.857	4.784	1.000	1.000	5.784
24-hr Pumping	1.160		0.648		0.446		0.993		0.324		0.619		0.440		1.439	2.087	4.630	0.500	NA	5.130
18-hr Pumping	0.870		0.486		0.335		0.745		0.243		0.464		0.330		1.080	1.566	3.473	0.500	NA	3.973
SFR 24-hr Pumping(2)	1.160		0.648		0.446		0.993		0.324		0.000		0.000		0.993	1.641	3.125	0.500	NA	3.625
SFR 18-hr Pumping	0.870		0.486		0.335		0.745		0.243		0.000		0.000		0.745	1.231	2.344	0.500	NA	2.844
Monthly Average	0.496		0.281		0.169		0.242		0.116		0.279		0.172		0.411	0.692	1.754	0.004	0.109	1.757
Date	"Alert" Trigger	12.0		4.0		15.0		20.0		6.0		18.0		22.0						Precip
																				inches
10/1/2022	0.658	11.2	0.322	10.0	0.170	12.6	0.266	28.3	0.133	5.10	0.000	33.8	0.000	39.7	0.436	0.758	1.549	0.026	0.000	1.575
10/2/2022	0.549	16.5	0.365	10.0	0.196	12.1	0.305	28.3	0.132	5.10	0.000	34.3	0.187	39.9	0.501	0.866	1.734	0.018	0.000	1.752
10/3/2022	0.598	11.1	0.300	33.0	0.204	12.0	0.313	28.2	0.131	5.10	0.098	21.2	0.062	39.7	0.517	0.817	1.706	0.011	0.000	1.717
10/4/2022	0.260	11.0	0.376	10.0	0.197	39.7	0.303	33.6	0.146	9.80	0.237	19.6	0.000	40.0	0.500	0.876	1.519	0.026	0.000	1.545
10/5/2022	0.406	16.3	0.298	12.0	0.130	40.0	0.202	34.1	0.098	5.10	0.310	18.3	0.173	39.5	0.332	0.630	1.618	0.000	0.000	1.618
10/6/2022	0.436	11.7	0.199	11.0	0.127	40.0	0.190	34.1	0.102	9.80	0.310	18.1	0.273	34.2	0.317	0.516	1.636	0.028	0.000	1.664
10/7/2022	0.449	11.7	0.227	11.0	0.133	40.0	0.201	34.2	0.078	5.20	0.292	17.7	0.192	34.4	0.334	0.561	1.571	0.000	0.000	1.571
10/8/2022	0.469	12.1	0.259	12.0	0.123	12.0	0.179	28.2	0.103	5.20	0.286	17.5	0.201	34.7	0.302	0.561	1.620	0.000	0.000	1.620
10/9/2022	0.290	12.1	0.364	12.0	0.234	12.0	0.336	28.1	0.163	5.20	0.309	17.4	0.124	34.2	0.570	0.934	1.819	0.000	0.000	1.819
10/10/2022	0.522	12.0	0.268	33.0	0.181	40.0	0.266	33.8	0.107	9.80	0.309	17.5	0.063	34.7	0.447	0.715	1.716	0.000	0.000	1.716
10/11/2022	0.531	17.0	0.279	11.0	0.151	40.0	0.218	34.0	0.143	9.80	0.309	17.4	0.000	40.0	0.369	0.648	1.630	0.000	0.000	1.630
10/12/2022	0.290	17.2	0.462	11.0	0.264	40.0	0.376	33.8	0.166	5.00	0.312	17.3	0.000	40.1	0.640	1.103	1.871	0.000	0.000	1.871
10/13/2022	0.452	12.3	0.249	10.0	0.153	40.0	0.221	33.5	0.088	9.70	0.312	17.3	0.000	40.2	0.374	0.622	1.475	0.000	0.086	1.475
10/14/2022	0.398	17.7	0.247	13.0	0.171	40.0	0.244	33.8	0.137	9.80	0.314	17.2	0.191	34.8	0.415	0.662	1.702	0.000	0.153	1.702
10/15/2022	0.534	12.3	0.250	10.0	0.157	12.0	0.223	28.2	0.100	5.10	0.312	17.2	0.229	34.4	0.380	0.630	1.805	0.000	0.081	1.805
10/16/2022	0.476	12.2	0.286	10.0	0.175	12.0	0.253	28.2	0.121	5.10	0.309	17.0	0.204	34.5	0.428	0.714	1.823	0.000	0.089	1.823
10/17/2022	0.492	12.2	0.304	13.0	0.189	12.0	0.257	28.3	0.099	5.10	0.311	17.2	0.210	34.2	0.446	0.749	1.861	0.000	0.147	1.861
10/18/2022	0.488	12.3	0.227	13.0	0.131	12.1	0.178	28.3	0.126	5.10	0.311	17.0	0.209	34.4	0.309	0.536	1.669	0.000	0.145	1.669
10/19/2022	0.484	12.4	0.267	13.0	0.186	12.0	0.253	28.6	0.083	5.10	0.311	17.0	0.207	34.2	0.439	0.706	1.791	0.000	0.144	1.791
10/20/2022	0.725	17.7	0.109	13.0	0.083	12.0	0.109	28.4	0.075	5.10	0.311	16.9	0.311	39.5	0.192	0.301	1.724	0.000	0.176	1.724
10/21/2022	0.525	12.1	0.263	13.0	0.137	11.7	0.183	28.7	0.070	5.00	0.311	17.1	0.225	33.9	0.320	0.583	1.714	0.000	0.164	1.714
10/22/2022	0.426	17.9	0.230	13.0	0.147	11.8	0.193	28.7	0.121	5.00	0.309	17.1	0.182	39.7	0.340	0.569	1.607	0.000	0.082	1.607
10/23/2022	0.488	18.0	0.356	14.0	0.195	40.0	0.264	34.5	0.104	4.90	0.309	17.2	0.209	39.6	0.459	0.815	1.924	0.000	0.081	1.924
10/24/2022	0.596	12.9	0.197	13.0	0.155	11.0	0.191	28.6	0.114	9.80	0.309	17.0	0.221	35.2	0.346	0.543	1.783	0.000	0.295	1.783
10/25/2022	0.545	12.6	0.352	14.0	0.221	39.9	0.290	34.3	0.145	5.00	0.311	17.0	0.245	34.1	0.511	0.862	2.108	0.000	0.289	2.108
10/26/2022	0.512	12.6	0.305	13.0	0.183	12.0	0.232	28.5	0.119	5.10	0.309	17.0	0.219	34.0	0.415	0.720	1.878	0.000	0.287	1.878
10/27/2022	0.515	12.6	0.247	13.0	0.168	40.0	0.247	34.0	0.095	9.70	0.309	16.9	0.220	34.0	0.415	0.662	1.801	0.000	0.286	1.801
10/28/2022	0.671	17.9	0.202	13.0	0.177	12.0	0.182	27.8	0.104	9.70	0.309	16.8	0.287	39.2	0.359	0.561	1.932	0.000	0.290	1.932
10/29/2022	0.488	12.3	0.338	13.0	0.144	40.0	0.285	34.5	0.124	5.00	0.308	16.9	0.209	34.0	0.429	0.768	1.897	0.000	0.297	1.897
10/30/2022	0.548	12.5	0.326	13.0	0.186	12.0	0.272	27.9	0.134	5.00	0.307	16.7	0.234	33.9	0.458	0.785	2.007	0.000	0.277	2.007
10/31/2022	0.550	12.4	0.230	33.0	0.181	12.0	0.260	27.8	0.120	5.00	0.308	16.6	0.235	33.7	0.441	0.670	1.883	0.000	0.000	1.883
Average	0.496	13.6	0.281	14.1	0.169	23.7	0.242	30.7	0.116	6.44	0.279	18.5	0.172	36.4	0.411	0.692	1.754	0.004	0.109	1.757
Minimum	0.260	11.0	0.109	10.0	0.083	11.0	0.109	27.8	0.070	4.90	0.000	16.6	0.000	33.7	0.192	0.301	1.475	0.000	0.000	1.475
Maximum	0.725	18.0	0.462	33.0	0.264	40.0	0.376	34.5	0.166	9.80	0.314	34.3	0.311	40.2	0.640	1.103	2.108	0.028	0.297	2.108
Total	15.371		8.704		5.249		7.489		3.578		8.662		5.322		12.738					54.484

Notes:

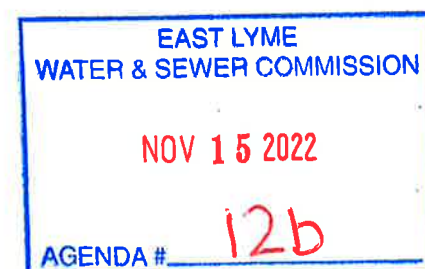
- MGD = Million Gallons Per Day
 WL = Water (in feet) above the airline or pressure transducer (set approximately 4 ft above the pump suction for each well; 17 ft above suction for Well 4A).
 SFR = stream flow restrictions (Wells 5 and 6 not operating).
 NR = No Reading Available
 (1) A condition of the Well 3A diversion permit limits the combined maximum withdrawal from Wells 2A, 3A, and 3B to 1.857 mgd.
 (2) Another condition of the Well 3A permit restricts the combined maximum withdrawal from Wells 3A and 3B to 0.864 mgd during "low" stream flow.
 If Well 3A is not pumped, Well 3B alone can be pumped at 0.993 mgd during "low" stream flow.
 (3) Totals represent well production plus water from New London. Does not include water to New London.

% Recvd. of Total Monthly Demand	0.20	Total Monthly Demand	54.484
% of Total Sent to NL (Wells)			6.20
Running Total (water received 2022)	21.803		
Goal	14.850		
% of Goal	146.82		
Running Total (water sent to NL2022)		20.855	
Goal		25.074	
% of Goal		83.17	

November 2022

East Lyme Sewer Maintenance Report for October 2022

1. Sewer tie-ins, inspections and CBYDs at various locations
2. Daily chemical machine checks and maintenance
3. Monthly alarm tests and meter readings
4. Daily station maintenance checks
5. General Sewer Pump Station Maintenance
6. General equipment maintenance
7. Monitor Odor Control System 31 Arbor Xing for H2s
8. Monitor Oder Control System. 170 Giants Neck Rd for H2S
9. Monitor H2S (Point O Woods)
10. Wet well Maintenance (156)
11. Ground Maintenance (Pattagansett).



Sewer Department Monthly Report

November 15 2022

Data For the Month of: **October 2022**

Monthly Running Avg: 958,079 GPD
Daily Avg: 905,482 GPD
Daily Max: 948,259 GPD
Daily Min: 803,885 GPD

Daily Average as a Percent of Monthly Running Average: 94.51%
Daily Average as a Percent of 1.5 MGD Allotment at NLWWTP: 60.37%

State CT Flows:

	DOC	Camp Nett	Rocky Neck	POW	Pine Grove	Total
Actual GPD AVG.	98,683	12,319	0	2,639	40,000	153,641
Design GPD AVG.	250,000	58,400	24,600	105,000	40,000	478,000
% of Design GPD	39.5%	21.09%	0	2.51%	100.00%	32.14%
% of East Lyme Average Daily Flow	10.90%	1.36%	0.00%	0.29%	4.42%	16.97%
% of East Lyme 1.5 MGD Allotment	6.58%	0.82%	0.00%	0.18%	2.67%	10.24%

EAST LYME SEWER FLOWS - HISTORY

	2014	2015	2016	2017	2018	2019	2020	2021	2022	% +/- Prev. Yr.	Precip. 2022 (in.)
JAN.	1,011,343	787,646	747,284	784,837	781,519	1,090,311	849,497	938,302	942,646	0.46%	2.80
FEB.	994,771	832,681	809,701	765,648	865,263	842,611	859,175	911,422	988,646	8.47%	4.99
MAR.	1,026,812	1,017,280	790,851	777,452	927,771	893,805	832,803	886,441	948,873	7.04%	2.88
APR.	1,126,058	938,861	796,611	897,161	778,780	918,456	885,983	962,591	965,456	0.30%	3.75
MAY	1,145,107	913,816	777,446	872,268	746,049	947,042	900,485	951,501	922,857	-3.01%	2.52
JUN.	1,007,792	880,190	815,281	849,504	906,535	875,000	882,463	976,981	989,299	1.26%	3.62
JUL.	1,038,583	1,048,427	879,952	883,851	1,026,307	977,552	853,930	1,047,771	995,433	-5.00%	1.00
AUG.	999,147	977,543	868,636	873,017	905,718	932,181	911,419	978,158	1,000,871	2.32%	2.58
SEPT.	837,706	878,563	762,544	769,493	875,918	833,237	823,590	1,051,008	921,227	-12.35%	6.00
OCT.	852,281	861,521	738,247	752,273	903,915	806,576	812,506	917,384	905,482	-1.30%	3.96
NOV.	787,769	803,842	709,481	732,848	871,111	815,129	786,482	937,414			
DEC.	835,260	788,121	728,649	728,437	894,050	927,335	896,694	895,121			
RUNNING AVERAGE	971,886	894,041	785,390	807,232	873,578	904,936	857,919	954,508	958,079	-0.18%	3.41
										Precip. Total	34.10

EAST LYME SEWER FLOWS - HISTORY

	2014	2015	2016	2017	2018	2019	2020	2021	AVG. Prev. Years	2022	% +/- AVG. Prev. Years	Precip. 2022 (in.)
JAN.	1,011,343	787,646	747,284	784,837	781,519	1,090,311	849,497	938,302	873,842	942,646	7.9%	2.80
FEB.	994,771	832,681	809,701	765,648	865,263	842,611	859,175	911,422	860,159	988,646	14.9%	4.99
MAR.	1,026,812	1,017,280	790,851	777,452	927,771	893,805	832,803	886,441	894,152	948,873	6.1%	2.88
APR.	1,126,058	938,861	796,611	897,161	778,780	918,456	885,983	962,591	913,063	965,456	5.7%	3.75
MAY	1,145,107	913,816	777,446	872,268	746,049	947,042	900,485	951,501	906,714	922,857	1.8%	2.52
JUN.	1,007,792	880,190	815,281	849,504	906,535	875,000	882,463	976,981	899,218	989,299	10.0%	3.62
JUL.	1,038,583	1,048,427	879,952	883,851	1,026,307	977,552	853,930	1,047,771	969,547	995,433	2.7%	1.00
AUG.	999,147	977,543	868,636	873,017	905,718	932,181	911,419	978,158	930,727	1,000,871	7.5%	2.58
SEPT.	837,706	878,563	762,544	769,493	875,918	833,237	823,590	1,051,008	854,007	921,227	7.9%	6.00
OCT.	852,281	861,521	738,247	752,273	903,915	806,576	812,506	917,384	830,588	905,482	9.0%	3.96
NOV.	787,769	803,842	709,481	732,848	871,111	815,129	786,482	937,414	805,510			
DEC.	835,260	788,121	728,649	728,437	894,050	927,335	896,694	895,121	836,708			
AVG.	971,886	894,041	785,390	807,232	873,578	904,936	857,919	954,508	881,186	958,079	7.4%	3.41
											Precip. Total	34.10

East Lyme Sewer Department

Monthly Average Day Wastewater Flows (MGD)

November 15 2022
Sewer Flows for the Month of October

		Total Daily Combined Flows from East Lyme and State			State Average Daily Flows by Facility					State Allocation (0.478 MGD)			East Lyme Allocation (1.022 MGD)				
Year	Month	Niantic Sewer Pump Station Flows			DOC	Camp Nett	Rocky Neck	POW	Pine Grove	Daily Usage	Capacity Remaining	Percent Capacity Remaining	Daily Usage	Capacity Remaining	Percent Capacity Remaining		
		Average	Max	Min	0.250	0.058	0.025	0.105	0.040								
2022	January	0.943	1.133	0.683	0.104	0.005	0.000	0.010	0.040	0.159	0.319	67%	0.783	0.239	23%		
	February	0.989	1.112	0.829	0.145	0.017	0.000	0.011	0.040	0.213	0.265	55%	0.776	0.246	24%		
	March	0.949	1.273	0.735	0.127	0.002	0.000	0.011	0.040	0.180	0.298	62%	0.769	0.253	25%		
	April	0.965	1.120	0.873	0.139	0.010	0.000	0.014	0.040	0.203	0.275	58%	0.762	0.260	25%		
	May	0.923	0.991	0.885	0.099	0.004	0.000	0.009	0.040	0.152	0.326	68%	0.771	0.251	25%		
	June	0.989	0.989	0.602	0.106	0.008	0.000	0.022	0.040	0.176	0.302	63%	0.813	0.209	20%		
	July	0.995	1.111	0.681	0.108	0.013	0.000	0.035	0.040	0.196	0.282	59%	0.799	0.223	22%		
	August	1.001	1.026	0.905	0.116	0.013	0.000	0.028	0.040	0.197	0.281	59%	0.804	0.218	21%		
	September	0.921	1.233	0.681	0.164	0.006	0.000	0.020	0.040	0.230	0.248	52%	0.692	0.330	32%		
	October	0.906	0.948	0.804	0.099	0.012	0.000	0.003	0.040	0.154	0.324	68%	0.752	0.270	26%		
	November																
	December																
Annual Avg. (Jan - Dec)		0.958	1.094	0.768	0.121	0.009	0.000	0.016	0.040	0.190	0.288	61%	0.772	0.250	24%		
All figures reported in Million Gallons Daily (MGD)												Annual Average (4 years, 10 Months)			0.710	0.311	30%