

**EAST LYME WATER AND SEWER COMMISSION
AGENDA *AMENDED*
February 28, 2023
7:00 PM**

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

RECEIVED FOR RECORD
EAST LYME, CT

2023 FEB 24 A 10:32

Carroll Hillier
TOWN CLERK

- 1. Call to Order / Pledge of Allegiance**
- 2. Approval of Minutes**
 - a. Regular Meeting Minutes – January 24, 2023**
- 3. Delegations**
- 4. Billing Adjustments/Disputes**
- 5. Approval of Bills**
- 6. Correspondence Log**
- 7. Finance Director Report**
- 8. Discussion on Water Budget and Sewer Budgets**
- 9. Project Updates**
 - a. Meter Replacement Project**
 - b. Boston Post Rd Tank Rehabilitation Project**
- 10. Chairman's Report**
- 11. Staff Updates**
 - a. Water Department Monthly Report**
 - b. Sewer Department Monthly Report**
- 12. Future Agenda Items**
 - a. Homeowner Water Line Leak Insurance**
 - b. Irrigation Submetering Policy**
- 13. Adjournment**

**EAST LYME WATER & SEWER COMMISSION
REGULAR MEETING
TUESDAY, JANUARY 24, 2023
MINUTES**

The East Lyme Water & Sewer Commission held a Regular Meeting on Tuesday, January 24, 2023. Chairman Seery called the Regular Meeting to order at 7 PM.

PRESENT: Kevin Seery, Chairman, Dave Bond, Steve DiGiovanna, Dave Murphy, Carol Russell, Roger Spencer, Dave Zoller

ALSO PRESENT: Joe Bragaw, Public Works Director
Kevin Gervais, Finance Director
Ben North, Municipal Utility Engineer
Anne Santoro, Deputy First Selectman
Attorney Mark Zamarka, Town Counsel

ABSENT: David Jacques

RECEIVED FOR RECORD
EAST LYME, CT
2023 JAN 31 A 10:03
Carol Russell
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.

Mr. Seery noted that Mr. Mingo, after some 30+ years of service, had informed him that he was resigning from this Commission effective January 1, 2023. He thanked him for his invaluable service to this and other Boards and Commissions that he has served on.

He also noted that he had received a notice of resignation from David Jacques effective January 31, 2023 as he will be moving to a neighboring Town. He thanked Mr. Jacques for his service to this Commission and wished him well.

2. Approval of Minutes

▪ **Regular Meeting Minutes – November 15, 2022**

Mr. Seery called for a motion or any discussion on the Regular Meeting Minutes of November 15, 2022.

****MOTION (1)**

Mr. DiGiovanna moved to approve the Regular Meeting Minutes of November 15, 2022 as presented.

Mr. Zoller seconded the motion.

Vote: 7 – 0 – 0. Motion passed.

Mr. Seery asked that they add two items to the agenda – Under Item 4. add 26 MacKinnon Place and under Item 6 – add Item 6.a. – Discussion regarding Public Hearing – Niantic Village at Dodge Pond.

****MOTION (2)**

Mr. DiGiovanna moved that to add two items to the agenda – Under Item 4. add 26 MacKinnon Place and under Item 6 – add Item 6.a. – Discussion regarding Public Hearing – Niantic Village at Dodge Pond.

Mr. Murphy seconded the motion.

Vote: 7 – 0 – 0. Motion passed

3. Delegations

Mr. Seery called for delegations.

There were none.

EAST LYME
WATER & SEWER COMMISSION

FEB 28 2023

AGENDA# 2a

4. Billing Adjustments/Disputes

▪ 26 MacKinnon Place

Mr. North synopsised the events noting that communication had all been via email regarding a bill they had received for 191,000 gallons of water usage since the meter was replaced with the new Sensus meter on March 7, 2020. This reading encompassed four (4) billing cycles. The new meter was not able to be read as the landscapers had covered it with wood chips. The owner is challenging the bill as the new Sensus meter reading is higher than their old meter readings. (135 gallons per day usage vs. 208 gallons per day now). The owner maintains that his parents lead a very structured life and that the meter needs to be recalibrated as it must be inaccurate based on old meter historical usage. He requests that the new meter be removed and re-calibrated and that the \$350 fee to do so be waived.

Mr. North continues that they had provided all of the reading information and that the billing over the time from when the meter was changed out had been computed based on the actual rates in effect at that time. He said that he further feels that they have made all concessions that they possibly can at this time and that this customer wants special dispensation and that the readings based on the new meter show that they were actually using more water than the old meter was capturing.

Mr. Seery noted that this would require a motion from the Commission to allow for a free re-calibration of the new Sensus meter. He called three times for anyone who would like to make a motion to that effect –

Hearing no motion he stated that they were done with this item.

5. Approval of Bills

Mr. Seery called for a motion on the Weston & Sampson DOT Engineering Analysis bills and the Tighe & Bond bill:

****MOTION (3)**

Mr. DiGiovanna moved to approve the following Weston & Sampson DOT Engineering Analysis bills: Weston & Sampson Inv. #12221004 in the amount of \$2600.00 and Weston & Sampson Inv. #1231078 in the amount of \$380.00.

Mr. Zoller seconded the motion.

Vote: 7 – 0 – 0. Motion passed

****MOTION (4)**

Mr. DiGiovanna moved to approve the following DOT Engineering Analysis bill: Tighe & Bond Inv. #122292168 in the amount of \$9000.00.

Mr. Spencer seconded the motion.

Vote: 6 – 0 – 1. Motion passed.

Abstained: Mr. Bond

6. Capacity Allocation Discussion and Possible Action – Niantic Village at Dodge Pond

Attorney Zamarka explained that this regards use of future capacity and that entertaining this request follows the statute and that they must respond within 65 days of the receipt of the request which is today (1/24/2023). They must decide by Thursday 3/30/2023.

Attorney Sweeney and Attorney Harris presented a brief overview of this on behalf of the applicant and suggested that a Public Hearing be scheduled.

Attorney Sweeney, Tobin, Carberry, 43 Broad Street in New London said that he is the voice this evening for Attorney Harris. This application is for a senior housing development on 37 acres of property currently owned by the Trakas family who is requesting the sewer capacity. To be known as Niantic Village at Dodge Pond it would include 304 units, 125 assisted living care units and 35 special care units plus a medical care building that would also be open to the general public for seniors – all providing for a continuum of care so that they can stay in the same place. This would use the current water main but would seek to connect to the sewer system and the goal here was to provide a conservative estimate calculation of 110,000 gallons per day usage.

The active adult units have two bedrooms but the calculations treat the bedrooms as habited space however in reality that would not happen except for visitors. He said that he feels that the 110,000 will actually be much lower. The extension of the sewer line up will bring connection availability to dozens of other homes along the line. This project allows for diversification of living for seniors in Town. He also said that he strongly feels that this should go to a public hearing and would like to have it scheduled earlier than the end of March.

He said that Mr. Pfanner would present a preliminary site plan of the project concept.

Bob Pfanner Sr. said that this project is designed for seniors and encompasses approximately 40 acres extending down to Dodge Pond. Two buildings up front would be for assisted care; urgent care and radiology buildings would be open to the public. The property has two hills on it and a bridge would span the two hills. There would also be a community center with a meeting hall, shops, therapy center, movie theater and the general administration offices. The senior housing units are in the back and they would also have family units. They would run 42 feet of sewer gravity feed down to the main street.

Mr. Spencer asked Mr. North how many additional connections could be made between this project and here (Main Street).

Mr. North said that he did not have that information at the moment but would provide it for them at their next meeting.

Mr. Bond asked about the ticket holders being some of those on the line.

Mr. North said that he would check on that to make sure that they are not counted twice.

Mr. DiGiovanna asked Mr. North if he would also check to see if some of these properties are on failing septic systems.

Mr. North said that he would ask Ledge Light.

Mr. Seery suggested checking the data from Gateway and finding what their actual usage is.

Mr. Sweeney said that they most likely not come anywhere near the requested amount.

Mr. Bond asked how the water part would be handled and if it would be single meter.

Mr. North said yes – single meter.

Ms. Russell commented that this would most likely be the very last large project that would be done for the whole Town.

Mr. Bond noted that their determination is with regard to capacity and that is what they act on as a Commission.

6.a. Discussion on Public Hearing – Niantic Village at Dodge Pond

Mr. Seery suggested some dates for a public hearing and then called for a motion to schedule one for this project.

****MOTION (5)**

Mr. DiGiovanna moved to schedule a Public Hearing on the Niantic Village at Dodge Pond Sewer Capacity Request for Thursday, March 2, 2023 commencing at 6:30 PM.

Mr. Zoller seconded the motion.

Vote: 7 – 0 – 0. Motion passed.

7. Finance Director Report

Mr. Gervais reviewed his report with the Commission.

Mr. DiGiovanna asked about the delinquent accounts and if we are or should be going after them.

Mr. North said that they are engaging the company that worked on the tax collections to work on their delinquent accounts also. He added that some have come forward and are on a plan to pay – if they

miss a payment then the plan is done and they go to shut off/collection. They have been successful in many instances so far.

▪ **Discussion on Water Budgets & Sewer Budgets**

Mr. Bragaw noted that the \$205,000 that was carried over to this budget year has really helped with chemicals and other expenses. He said that he had included a sheet in their packets for review and that Mr. Gervais had covered much of it in his report.

8. Project Updates

▪ **Meter Replacement Project**

Mr. North said that they average about 250 per month on installations.

▪ **Boston Post Road Tank Rehabilitation Project.**

Mr. North reported that it looks like this starts on March 1st and that it will hopefully come in under budget.

9. Discussion and Possible Action on Bride Brook Sewer Pump Station Channel Grinder Replacement

Mr. North said that they have three (3) 'muffin monsters' that screen and grind up any 'clogging' items from entering the sewer system. They are in need of purchasing a new one and are looking to purchase two (2) in order to have a back-up from the sewer assessment fund.

****MOTION (6)**

Mr. Murphy moved to appropriate and transfer \$53,075.00 from the sewer assessment fund into the sewer operating account 06-01-600-400 for the purchase of two (2) channel grinders.

Mr. DiGiovanna seconded the motion.

Vote: 7 – 0 – 0. Motion passed.

10. Discussion and Possible Action on Well DOT Exit 74 Purchase Order Amendment for Consulting Engineering Services

Mr. North noted that some of the previous bills were from this project and that they are looking to increase this purchase order by \$5,000. He added that the State reimburses us at 100% for these costs.

****MOTION (7)**

Mr. Murphy moved to increase the Purchase Order #21-02079 by \$5000 from the sewer assessment fund for continued engineering work as part of the DOT Exit 74 Project 0044-0156.

Mr. DiGiovanna seconded the motion.

Vote: 7 – 0 – 0. Motion passed.

11. Discussion and Possible Action on Large Meter Ownership and Calibration Regulations

Mr. North noted that he thinks that a lot of the water that we are losing is coming from these large meters that are not being calibrated yearly as required. The policy is being reiterated here for those owners to adhere to.

****MOTION (8)**

Mr. DiGiovanna moved to approve the East Lyme Water Department Large Meter Ownership and Calibration Policy, revised through January 1, 2023 as presented. The new policy shall be effective immediately.

Mr. Zoller seconded the motion.

Mr. Bond asked about who will pay for all of this and go out and do it.

Mr. North said that the vast majority of the large ones can be done where they are and that some may need replacement.

Mr. Bond noted that we are probably losing thousands and thousands of dollars in revenues on this. Mr. North said that they have special calibrations and that the large meters belong to the property owners.

Mr. Zoller asked if they would be sending this to all those users.
Mr. North said yes.

Mr. Seery called for a vote on the motion.
Vote: 7 – 0 – 0. Motion passed.

12. Update on Water Shutoff Procedure

Mr. Bragaw noted that this is the policy that they have been following and that there would also be some new language as in some hardship cases that have been accepted through TVCCA, they will pay for the delinquent water bills and we would accept payment from TVCCA. It was also noted that this policy follows the State Statute on shut-offs.

13. Discussion and Possible Action on Board of Education Meter Installation Project

Mr. North and Mr. Bragaw explained the recent water break at the High School which had apparently been leaking for some time. The entire premises are not properly metered to detect leaks and the water department has determined that the remedy to this situation is to install a meter at each entrance of the facility. The BOE would be billed over a period of time at the current STIF rate as sewer assessment funds would be 'borrowed' from to initiate this installation.

****MOTION (9)**

Mr. Murphy moved to appropriate up to \$150,000 out of funds available in the Sewer Assessment Fund to an account titled "East Lyme High School Meter Installation Project" for the purchase and installation of two (2) water meters and associated appurtenances at the East Lyme High School.

Mr. DiGiovanna seconded the motion.
Vote: 7 – 0 – 0. Motion passed.

14. Correspondence Log

There were no comments.

15. Chairman's Report

Mr. Seery reported on the following:

- They are looking at how other Towns handle meters for irrigation systems
- TVCCA will help residents with their water bills once they are approved as being hardship cases by TVCCA
- He noted that as the First Selectman that he also serves as the Chairman of the Water & Sewer Commission and suggested that they have a discussion on how it would be addressed when people come and ask for special dispensations, etc.

16. Staff Updates

a. Water Department Monthly Report

There were no comments.

b. Sewer Department Monthly Report

There were no comments.

17. Future Agenda Items

Mr. Murphy noted that they were going to look into offering insurance to homeowners.

18. ADJOURNMENT

Mr. Seery called for a motion to adjourn.

****MOTION (10)**

Mr. Murphy moved to adjourn this Regular Meeting of the East Lyme Water & Sewer Commission at 8:43 PM.

Mr. DiGiovanna seconded the motion.

Vote: 7 – 0 – 0. Motion passed.

Respectfully submitted,

Karen Zmitruk,
Recording Secretary

ATTACHMENT B
APPROVAL OF BILLS

EAST LYME WATER & SEWER COMMISSION

February 28, 2023

1. Niantic Pump Station LiMWA Analysis		
a. Race Coastal Engineering. No. 2202-0963	\$	1725.00
b. Race Coastal Engineering. No. 2202-1017	\$	1365.00
2. Meter Replacement Project		
a.	\$	
b.	\$	
c.	\$	
3. SCADA/Telemetry Improvements		
a.	\$	
4. Booster Station Upgrades		
a.	\$	
b.	\$	
5. Water Main Improvements		
a.	\$	

**EAST LYME
WATER & SEWER COMMISSION**

FEB 28 2023

AGENDA# 5



611 Access Road
 Stratford, CT 06615
 T: 203.377.0663
 F: 203.375.6561
 racecoastal.com

RECEIVED

FEB 21 2023

**EAST LYME
 WATER & SEWER COMMISSION**

Town of East Lyme
 East Lyme Town Hall
 PO Box 519
 Niantic, , CT 06357

Invoice number 2022-1017
 Date 02/14/2023

Project **2022129 141 Main Street, Niantic - Flood Study**

Invoice through January 31,2023

Invoice Summary

Description	Estimated Amount	Prior Billed	Total Billed	Current Billed
PHASE 1 PRELIMINARY STUDY	2,940.00	1,725.00	3,090.00	1,365.00
PHASE 2 LOMR APPLICATION	8,500.00	0.00	0.00	0.00
PHASE 3 FEMA FOLLOW UP	2,790.00	0.00	0.00	0.00
Total	14,230.00	1,725.00	3,090.00	1,365.00

Phase 1 Preliminary Study

Professional Fees

	Date	Hours	Rate	Billed Amount
Principal Devin J. Santa				
<i>Preparation of Preliminary Flood study</i>	01/20/2023	0.50	225.00	112.50
Project Manager Jill A. Pietropaolo				
<i>QA/QC</i>	01/12/2023	1.00	195.00	195.00
<i>Review report</i>	01/18/2023	1.00	195.00	195.00
Coastal Engineer Hailey N. Simpson				
<i>Preparing PLOMR letter and drawings</i>	01/11/2023	4.75	150.00	712.50
<i>Preparing PLOMR letter</i>	01/16/2023	0.50	150.00	75.00
<i>Preparing PLOMR letter</i>	01/17/2023	0.50	150.00	75.00
Phase subtotal				1,365.00
			Invoice total	1,365.00



611 Access Road
Stratford, CT 06615

T: 203.377.0663
F: 203.375.6561

racecoastal.com

Town of East Lyme

Project **2022129 141 Main Street, Niantic - Flood Study**

Invoice number 2022-1017
Date 02/14/2023

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
2022-0963	01/16/2023	1,725.00	1,725.00				
2022-1017	02/14/2023	1,365.00	1,365.00				
	Total	3,090.00	3,090.00	0.00	0.00	0.00	0.00



Town of East Lyme
East Lyme Town Hall
PO Box 519
Niantic, , CT 06357

Invoice number 2022-0963
Date 01/16/2023

Project **2022129 141 Main Street, Niantic - Flood Study**

Invoice through December 31,2022

Invoice Summary

Description	Estimated Amount	Prior Billed	Total Billed	Current Billed
PHASE 1 PRELIMINARY STUDY	2,940.00	0.00	1,725.00	1,725.00
PHASE 2 LOMR APPLICATION	8,500.00	0.00	0.00	0.00
PHASE 3 FEMA FOLLOW UP	2,790.00	0.00	0.00	0.00
Total	14,230.00	0.00	1,725.00	1,725.00

Phase 1 Preliminary Study

Professional Fees

	Date	Hours	Rate	Billed Amount
Project Manager Jill A. Pietropaolo				
<i>Preapre PMP</i>	12/08/2022	1.00	195.00	195.00
<i>Review site data</i>	12/09/2022	0.50	195.00	97.50
<i>KO meeting Review FEMA data Review HS's study</i>	12/19/2022	2.00	195.00	390.00
<i>Prepare summary letter</i>	12/21/2022	1.50	195.00	292.50
Coastal Engineer Hailey N. Simpson				
<i>Kick off meeting PLOMR Calculations</i>	12/19/2022	2.00	150.00	300.00
<i>Preparing PLOMR letter</i>	12/22/2022	1.50	150.00	225.00
<i>Preparing PLOMR Drawing and letter</i>	12/23/2022	1.50	150.00	225.00
Phase subtotal				1,725.00
			Invoice total	1,725.00



611 Access Road
Stratford, CT 06615

T: 203.377.0663
F: 203.375.6561

racecoastal.com

Town of East Lyme

Project **2022129 141 Main Street, Niantic - Flood Study**

Invoice number 2022-0963
Date 01/16/2023

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
2022-0963	01/16/2023	1,725.00	1,725.00				
	Total	1,725.00	1,725.00	0.00	0.00	0.00	0.00

**East Lyme Water Department
Monthly Report for January 2023**

1. General Statistics

TASKS PERFORMED by WATER DEPARTMENT	January 2023	TOTAL THIS YEAR	TOTAL LAST YEAR (July 1st to June 30th)
Meters Installed (New Accounts)	1	13	29
New Meters In System	226	1,370	New / Total
			4569 / 6914 or 66%
New Service Connections Installed	1	11	7
Services and Mains Repaired⁽¹⁾	1 Mainbreak / 4 Services	26	50
Gallons Pumped (x1000)	49,219	369,275	729,104

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

2. Monthly Average Day Demand (MADD)

	January 2023	January 2022	% Difference LY
Water Produced (Million Gallons Daily)	1.588	2.061	-22.96%

MADD as a % of 3.16 MGD available water (24-hour pumping) = 50.24%

MADD as a % of 2.37 MGD available water (18-hour pumping) = 66.99%

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

1. Precipitation was 6.99 inches for the month of January
2. Staff is continuing meter replacement work. 226 Meters were installed last month.
3. Staff was anticipating sending water to New London to begin the new interconnect season, but the controls in the New London Plant have failed and are currently awaiting repairs.

EAST LYME
WATER & SEWER COMMISSION

FEB 28 2023

AGENDA# 11a

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	54519	3.25%	2.08
Dec.	61753	51289	59049	53697	45664	40675	48171	40399	56781	53467	-5.84%	6.94
Jan.	64296	53405	55502	55699	48433	44334	44334	45053	63884	49219	-22.96%	6.99
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			29.55
% +/- (Previous Year)	9.99%	-8.82%	8.90%	-5.80%	-15.49%	5.50%	2.74%	-5.21%	18.22%			
% +/- Running Annual Average											3.62%	

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	54519	13.14%	2.08
Dec.	61753	51289	59049	53697	45664	40675	48171	40399	56781	50087	53467	6.75%	6.94
Jan.	64296	53405	55502	55699	48433	44334	44334	45053	63884	51382	49219	-4.21%	6.99
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			29.55
% +/- (Previous Year)	9.99%	-8.82%	8.90%	-5.80%	-15.49%	5.50%	2.74%	-5.21%	18.22%				
% +/- Running Annual Average												6.26%	

EAST LYME WATER DEPARTMENT
Well Production Report - January 2023

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)	Precip
	(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	0.449		0.168		0.145		0.252		0.185		0.195		0.195		0.396	0.565	1.588	0.000	0.000	1.588	
Date	*Alert* Trigger	12.0		4.0		15.0		20.0		6.0		18.0		22.0							inches
1/1/2023	0.410	14.3	0.164	20.0	0.129	43.0	0.226	36.4	0.168	13.90	0.291	16.7	0.196	35.9	0.355	0.519	1.585	0.000	0.000	1.585	0.81
1/2/2023	0.428	20.3	0.182	20.0	0.160	13.0	0.302	29.2	0.186	13.90	0.291	16.6	0.184	40.8	0.462	0.644	1.732	0.000	0.000	1.732	0.00
1/3/2023	0.411	14.3	0.175	21.0	0.148	40.0	0.257	36.5	0.199	13.80	0.291	16.7	0.176	35.2	0.405	0.579	1.657	0.000	0.000	1.657	0.05
1/4/2023	0.372	20.3	0.163	19.0	0.180	12.5	0.299	29.0	0.235	5.30	0.291	16.5	0.159	40.8	0.479	0.642	1.699	0.000	0.000	1.699	0.42
1/5/2023	0.412	14.7	0.118	20.0	0.094	40.0	0.159	36.7	0.121	13.90	0.286	16.7	0.176	35.9	0.253	0.371	1.366	0.000	0.000	1.366	0.06
1/6/2023	0.437	14.8	0.165	21.0	0.114	40.0	0.194	36.9	0.166	14.00	0.288	16.5	0.187	35.9	0.308	0.473	1.551	0.000	0.000	1.551	0.10
1/7/2023	0.415	14.6	0.157	20.0	0.167	40.0	0.287	36.7	0.177	14.05	0.287	16.5	0.177	35.5	0.454	0.610	1.666	0.000	0.000	1.666	0.13
1/8/2023	0.426	14.7	0.158	20.0	0.124	40.0	0.213	36.4	0.161	14.04	0.287	16.5	0.182	35.6	0.337	0.495	1.551	0.000	0.000	1.551	0.00
1/9/2023	0.389	14.6	0.169	20.0	0.151	40.0	0.259	36.6	0.190	14.06	0.286	16.7	0.170	35.5	0.410	0.580	1.615	0.000	0.000	1.615	0.00
1/10/2023	0.471	14.6	0.118	20.0	0.092	42.0	0.155	36.9	0.117	14.10	0.296	16.4	0.202	35.7	0.247	0.365	1.451	0.000	0.000	1.451	0.00
1/11/2023	0.476	14.5	0.114	20.0	0.142	41.3	0.229	36.7	0.150	5.20	0.293	15.8	0.204	35.6	0.371	0.485	1.608	0.000	0.000	1.608	0.00
1/12/2023	0.359	20.4	0.146	20.0	0.098	40.0	0.168	36.7	0.224	14.10	0.291	15.9	0.183	41.0	0.266	0.413	1.469	0.000	0.000	1.469	0.07
1/13/2023	0.456	14.8	0.149	20.0	0.139	12.2	0.242	29.6	0.114	5.30	0.316	15.5	0.218	35.5	0.381	0.530	1.634	0.000	0.000	1.634	0.75
1/14/2023	0.376	20.9	0.151	20.0	0.125	12.0	0.215	29.4	0.166	5.60	0.327	13.5	0.161	41.3	0.340	0.491	1.521	0.000	0.000	1.521	0.06
1/15/2023	0.402	21.0	0.144	20.0	0.114	12.0	0.201	29.3	0.201	5.10	0.326	13.2	0.172	41.3	0.315	0.459	1.560	0.000	0.000	1.560	0.00
1/16/2023	0.401	14.8	0.168	20.0	0.128	12.0	0.225	29.6	0.165	5.10	0.325	13.3	0.171	35.8	0.353	0.522	1.584	0.000	0.000	1.584	0.00
1/17/2023	0.409	15.2	0.118	20.0	0.107	12.5	0.184	29.4	0.168	14.20	0.323	13.0	0.175	37.0	0.291	0.409	1.484	0.000	0.000	1.484	0.00
1/18/2023	0.468	20.7	0.186	20.0	0.202	40.0	0.363	36.8	0.145	5.20	0.162	13.3	0.200	41.1	0.565	0.751	1.725	0.000	0.000	1.725	0.00
1/19/2023	0.448	14.6	0.186	20.0	0.123	12.0	0.209	28.9	0.248	5.10	0.000	34.6	0.192	35.8	0.332	0.518	1.406	0.000	0.000	1.406	0.00
1/20/2023	0.506	14.7	0.198	20.0	0.169	12.0	0.299	29.3	0.173	5.30	0.000	35.3	0.216	35.7	0.468	0.666	1.561	0.000	0.000	1.561	1.37
1/21/2023	0.514	15.0	0.194	20.0	0.156	12.0	0.274	29.2	0.250	0.20	0.000	35.4	0.220	36.1	0.430	0.624	1.607	0.000	0.000	1.607	0.05
1/22/2023	0.546	14.7	0.213	20.0	0.205	12.0	0.361	29.3	0.218	5.20	0.000	35.3	0.224	35.8	0.566	0.778	1.766	0.000	0.000	1.766	0.00
1/23/2023	0.458	14.8	0.198	20.0	0.130	11.8	0.223	29.1	0.237	5.30	0.146	13.2	0.196	35.9	0.353	0.551	1.589	0.000	0.000	1.589	1.36
1/24/2023	0.499	14.9	0.174	20.0	0.177	11.9	0.308	29.3	0.144	14.30	0.082	15.9	0.213	36.0	0.485	0.659	1.597	0.000	0.000	1.597	0.21
1/25/2023	0.529	15.0	0.178	20.0	0.152	11.8	0.263	29.2	0.197	5.30	0.139	15.8	0.265	35.9	0.415	0.594	1.724	0.000	0.000	1.724	0.00
1/26/2023	0.458	21.0	0.193	20.0	0.146	43.0	0.262	36.7	0.215	5.30	0.000	35.9	0.196	36.4	0.408	0.602	1.471	0.000	0.000	1.471	1.55
1/27/2023	0.459	15.4	0.167	20.0	0.138	12.0	0.238	29.3	0.172	5.40	0.129	16.5	0.196	36.2	0.376	0.543	1.499	0.000	0.000	1.499	0.00
1/28/2023	0.565	21.7	0.203	21.0	0.183	12.0	0.318	36.8	0.196	5.30	0.000	35.7	0.241	41.9	0.501	0.704	1.706	0.000	0.000	1.706	0.00
1/29/2023	0.537	21.7	0.227	20.0	0.169	43.0	0.305	37.3	0.225	14.60	0.000	35.7	0.229	42.0	0.474	0.700	1.692	0.000	0.000	1.692	0.00
1/30/2023	0.455	21.8	0.182	20.0	0.171	12.0	0.282	29.6	0.223	5.40	0.142	15.9	0.190	42.0	0.453	0.635	1.646	0.000	0.000	1.646	0.00
1/31/2023	0.413	21.8	0.161	20.0	0.159	12.0	0.277	29.5	0.170	14.60	0.144	15.7	0.176	36.5	0.436	0.597	1.500	0.000	0.000	1.500	0.00
Average	0.449	17.0	0.168	20.1	0.145	24.2	0.252	32.7	0.185	9.10	0.195	20.0	0.195	37.5	0.396	0.565	1.588	0.000	0.000	1.588	0.25
Minimum	0.359	14.3	0.114	19.0	0.092	11.8	0.155	28.9	0.114	0.20	0.000	13.0	0.159	35.2	0.247	0.365	1.366	0.000	0.000	1.366	0.00
Maximum	0.565	21.8	0.227	21.0	0.205	43.0	0.363	37.3	0.250	14.60	0.327	35.9	0.265	42.0	0.566	0.778	1.766	0.000	0.000	1.766	1.55
Total	13.905		5.220		4.492		7.797		5.718		6.039		6.047		12.289	17.510	49.219	0.000	0.000	49.219	6.99

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	0.00	Total Monthly Demand	
% of Total Sent to NL (Wells)		0.00	49.219
Running Total (water received 2022)			
Goal	14.850		
% of Goal			
Running Total (water sent to NL 2022)			
Goal	25.074		
% of Goal			

February 2023

East Lyme Sewer Maintenance Report for January 2023

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. Repair Muffin Monster Bride Brook Station
11. Install new pump (Orchards Booster Pump Station)

EAST LYME
WATER & SEWER COMMISSION

FEB 28 2023

AGENDA# 11b

EAST LYME SEWER FLOWS - HISTORY

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	% +/- Prev. Yr.	Precip. 2023 (in.)
JAN.	1,011,343	787,646	747,284	784,837	781,519	1,090,311	849,497	938,302	942,646	1,029,157	9.18%	6.99
FEB.	994,771	832,681	809,701	765,648	865,263	842,611	859,175	911,422	988,646			
MAR.	1,026,812	1,017,280	790,851	777,452	927,771	893,805	832,803	886,441	948,873			
APR.	1,126,058	938,861	796,611	897,161	778,780	918,456	885,983	962,591	965,456			
MAY	1,145,107	913,816	777,446	872,268	746,049	947,042	900,485	951,501	922,857			
JUN.	1,007,792	880,190	815,281	849,504	906,535	875,000	882,463	976,981	989,299			
JUL.	1,038,583	1,048,427	879,952	883,851	1,026,307	977,552	853,930	1,047,771	995,433			
AUG.	999,147	977,543	868,636	873,017	905,718	932,181	911,419	978,158	1,000,871			
SEPT.	837,706	878,563	762,544	769,493	875,918	833,237	823,590	1,051,008	921,227			
OCT.	852,281	861,521	738,247	752,273	903,915	806,576	812,506	917,384	905,482			
NOV.	787,769	803,842	709,481	732,848	871,111	815,129	786,482	937,414	864,223			
DEC.	835,260	788,121	728,649	728,437	894,050	927,335	896,694	895,121	950,524			
RUNNING AVERAGE	971,886	894,041	785,390	807,232	873,578	904,936	857,919	954,508	949,628		9.18%	6.99
											Precip. Total	6.99

EAST LYME SEWER FLOWS - HISTORY

	2014	2015	2016	2017	2018	2019	2020	2021	2022	AVG. Prev. Years	2023	% +/- AVG. Prev. Years	Precip. 2023 (in.)
JAN.	1,011,343	787,646	747,284	784,837	781,519	1,090,311	849,497	938,302	942,646	881,487	1,029,157	6.9%	6.99
FEB.	994,771	832,681	809,701	765,648	865,263	842,611	859,175	911,422	988,646	874,435			
MAR.	1,026,812	1,017,280	790,851	777,452	927,771	893,805	832,803	886,441	948,873	900,232			
APR.	1,126,058	938,861	796,611	897,161	778,780	918,456	885,983	962,591	965,456	918,884			
MAY	1,145,107	913,816	777,446	872,268	746,049	947,042	900,485	951,501	922,857	908,508			
JUN.	1,007,792	880,190	815,281	849,504	906,535	875,000	882,463	976,981	989,299	909,227			
JUL.	1,038,583	1,048,427	879,952	883,851	1,026,307	977,552	853,930	1,047,771	995,433	972,423			
AUG.	999,147	977,543	868,636	873,017	905,718	932,181	911,419	978,158	1,000,871	938,521			
SEPT.	837,706	878,563	762,544	769,493	875,918	833,237	823,590	1,051,008	921,227	861,476			
OCT.	852,281	861,521	738,247	752,273	903,915	806,576	812,506	917,384	905,482	838,909			
NOV.	787,769	803,842	709,481	732,848	871,111	815,129	786,482	937,414	864,223	812,033			
DEC.	835,260	788,121	728,649	728,437	894,050	927,335	896,694	895,121	950,524	849,355			
AVG.	971,886	894,041	785,390	807,232	873,578	904,936	857,919	954,508	949,628	888,791		6.9%	6.99
												Precip. Total	6.99

East Lyme Sewer Department

Monthly Average Day Wastewater Flows (MGD)

February 28 2023
Sewer Flows for the Month of January

		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	1.029	1.237	0.893	0.113	0.002	0.000	0.009	0.040	0.164	0.314	66%	0.865	0.157	15%	
	February															
	March															
	April															
	May															
	June															
	July															
	August															
	September															
	October															
	November															
	December															
Annual Avg. (Jan - Dec)		1.029	1.237	0.893	0.113	0.002	0.000	0.009	0.040	0.164	0.314	66%	0.865	0.157	15%	
All figures reported in Million Gallons Daily (MGD)												Annual Average (5 years, 1 month)		0.736	0.286	28%