

**EAST LYME WATER AND SEWER COMMISSION
AGENDA
July 27, 2021
7:00 PM**

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

1. Call to Order / Pledge of Allegiance
2. Approval of Minutes
 - a. Regular Meeting Minutes – June 22, 2021
3. Delegations
4. Billing Adjustments/Disputes – None
5. Approval of Bills – Attachment B
6. Finance Director Report
7. Project Updates
 - a. Meter Replacement Project
 - b. Well 1A and 6 Treatment Plant Modifications and Upgrades
 - c. Consumer Confidence Report
8. Correspondence Log
9. Chairman's Report
10. Staff Updates
 - a. Water Department Monthly Report
 - b. Sewer Department Monthly Report
11. Future Agenda Items
12. Adjournment

FILED

JULY 21 2021 AT 2:00 AM/PM

EAST LYME TOWN CLERK

JUL 27 2021

AGENDA # 2a

EAST LYME WATER & SEWER COMMISSION
REGULAR MEETING
TUESDAY, JUNE 22nd, 2021
MINUTES

The East Lyme Water & Sewer Commission held a Regular Meeting on Tuesday, June 22, 2021. Chairman Nickerson called the Regular Meeting to order at 7:02 PM.

PRESENT: Mark Nickerson Chairman, Dave Bond, Steve DiGiovanna, Dave Jacques, Joe Mingo, Dave Murphy, Carol Russell, Roger Spencer, Dave Zoller

ALSO PRESENT: Joe Bragaw, Public Works Director
Brad Kargl, Municipal Utility Engineer
Ben North, Asst. Municipal Utility Engineer
Anna Johnson, Finance Director

ABSENT: Roger Spencer

1. Call to Order / Pledge of Allegiance

Chairman Nickerson called the Regular Meeting of the East Lyme Water & Sewer Commission to order at 7:02 PM and led the assembly in the Pledge of Allegiance.

He asked that they add an item to the agenda that had inadvertently been omitted in the revised agenda - Item 6.a. - Spinnaker Sewer Maintenance Agreement - FY 2022

****MOTION (1)**

Mr. DiGiovanna moved to add Item 6.a. Spinnaker Sewer Maintenance Agreement - FY 2022 to the Agenda.

Mr. Murphy seconded the motion.

Vote: 8 - 0 - 0. Motion passed.

2. Approval of Minutes

▪ **Public Hearing Meeting Minutes - May 25, 2021**

Mr. Nickerson called for a motion or any discussion on the Public Hearing Minutes of May 25, 2021.

****MOTION (2)**

Mr. DiGiovanna moved to approve the Public Hearing Minutes of May 25, 2021 as submitted.

Mr. Zoller seconded the motion.

Vote: 8 - 0 - 0. Motion passed.

▪ **Regular Meeting Minutes - May 25, 2021**

Mr. Nickerson called for a motion or any discussion on the Regular Meeting Minutes of May 25, 2021.

****MOTION (3)**

Mr. DiGiovanna moved to approve the Regular Meeting Minutes of May 25, 2021 as submitted.

Mr. Zoller seconded the motion.

Vote: 8 - 0 - 0. Motion passed.

3. Delegations

Mr. Nickerson called for delegations.
There were none.

FILED

June 29 2021 AT 10:00 AM/PM
Anna Johnson
EAST LYME TOWN CLERK

4. **Billing Adjustments/Disputes**

There were none.

5. **Approval of Bills**

Mr. Nickerson called for a motion on the Well 1A/6 Treatment Project bills.

****MOTION (4)**

Mr. DiGiovanna moved to approve the following Well 1A/6 Treatment Project bill: Tighe & Bond Inv. #062190017 in the amount of \$22,101.95.

Mr. Zoller seconded the motion.

Vote: 7 – 0 – 1. Motion passed.

Abstained: Mr. Bond

****MOTION (5)**

Mr. DiGiovanna moved to approve the following Well 1A/6 Treatment Project bill: RH White Inv. Appl. #14 in the amount of \$95,027.10.

Mr. Zoller seconded the motion.

Vote: 7 – 0 – 1. Motion passed.

Abstained: Mr. Bond

****MOTION (6)**

Mr. DiGiovanna moved to approve the following Well 1A/6 Treatment Project bill: CIRMA, Inv. #22113 in the amount of \$2,412.00.

Mr. Zoller seconded the motion.

Vote: 7 – 0 – 1. Motion passed.

Abstained: Mr. Bond

6. **Finance Director Report**

Ms. Johnson reviewed her report noting that revenues were up slightly from last year and that we had also received more of the budgeted amount in revenues as compared to last year.

6. a. **Spinnaker Sewer Maintenance Agreement – FY 2022**

Mr. Zoller recused himself during this item and left the room.

Mr. Nickerson explained that this is a yearly contract for maintenance on the Spinnaker pump station. Mr. Bragaw noted that there is slight increase each year due to general wage increases and for equipment and vehicles as necessary. This has worked out very well over the years.

****MOTION (7)**

Mr. Mingo moved to approve the Spinnaker Sewer Maintenance Agreement for FY 2022 as presented.

Mr. DiGiovanna seconded the motion.

Vote: 7 – 0 – 0. Motion passed.

Mr. Zoller re-joined the meeting.

7. **Project Updates**

▪ **Meter Replacement Project**

Mr. Bragaw said that they would hire within their own department and that this would be further discussed at the July meeting.

▪ **Well 1A and 6 Treatment Plant Modifications and Upgrades – revised schedule for substantial completion and; plant start-up status**

Mr. North updated everyone noting that RH White made a request for a 43 calendar day extension extending the completion date from May 20, 2021 to July 1, 2021. He noted that they had a copy of the letter from RH White in their packets outlining the various reasons for the delay and need for the extension. He said that they have spent about \$20,000 in response to not having the second well.

Mr. Kargl said that was due to falling short getting Well 1A up and running.

Mr. Jacques asked about the \$20,000 and if that would be covered by the delay by RH White. Mr. North suggested that they wait a bit until they get by this July 1, 2021 date and see where they stand.

▪ **Taste and Odor Investigation**

Mr. North said that they are slowly adjusting the manganese levels and that this has been working. Mr. Jacques said that he would be interested in the yearly cost as those numbers are increased.

▪ **Bride Brook Pump Station Relocation – 3D Visualization and Animation Proposal – discussion and possible action**

Mr. North noted that they had the information in their packets from the engineering services regarding the proposal.

Mr. Nickerson noted that Rocky Neck is not anxious to have the pump station on their property.

****MOTION (8)**

Mr. DiGiovanna moved to appropriate and transfer up to \$6,870.00 from the sewer assessment fund to an account titled, "Bride Brook Sewer Pump Station" for costs associated with relocating and upgrading the Bride Brook Sewer Pump Station.

Mr. Zoller seconded the motion.

Vote: 8 – 0 – 0. Motion passed.

▪ **OM Generator Replacement – discussion and possible action**

Mr. North said that they tried to save the one that is there (it dates back to the 1980's) but there are other issues with it. The contractor agreed to give back the \$10,000 he spent on it and in the end he came up with the best rate anyways for a new one so one-half of it will come from the Water O & M and the rest from the Sewer Assessment fund.

****MOTION (9)**

Mr. DiGiovanna moved to appropriate and transfer up to \$20,000 from the Sewer Assessment Fund to an account titled: "O&M Generator" for costs associated with replacing the generator at the O&M Facility.

Mr. Zoller seconded the motion.

Vote: 8 – 0 – 0. Motion passed.

8. Correspondence Log

There were no comments.

9. Chairman's Report

Mr. Nickerson reported that the Tri-Town Subcommittee met last week and that they have a working draft of the agreement. Staff and the Chair will continue to work this out.

Ms. Russell asked the timeline on this.

Mr. Bragaw said that it was pushed out a bit as the Waterford RTM has to meet on it so it will come in October some time. They are working towards it.

Mr. Nickerson noted that they have done a dramatic pull back on the ARP dollars as the usage has been further delineated by the Treasury. They are not sure what part of the \$5.4M will be available for Water & Sewer – it could potentially be around \$2M – they are not certain. It is not going to be something to rush as the guidelines from the Treasury keep changing although the Water & Sewer infrastructure fits in to some extent. There is much more to come on this and they have to wait to see how all of it shakes out as it is still evolving.

Mr. Nickerson said that this would be Brad's last meeting. He thanked him for all of his service throughout the years and wished him well in his retirement.

10. Staff Updates

a. Water Department Monthly Report

Mr. DiGiovanna noted the leak detection and that they had found five (5) leaks?

Mr. North said that they are still looking into where – they have estimates and he expects to have more information for them on this next month.

Mr. Jacques asked about the Boston Post road water tank cleaning and if it was inside.

Mr. North said yes noting that they got an inch of sediment material out of the inside and that they are testing the outside. They are doing a patch test on it and anticipate doing a bigger project on it.

Ms. Russell asked about the letter from Old Lyme about coming into our Town and what had happened to that.

Mr. Bragaw said that with so much going on that it was not being discussed at this time.

b. Sewer Department Monthly Report

Mr. Murphy noted that percentage wise this seems to be running high – he asked if it was due to new homes.

Mr. North said that he would like to proactively camera the sewer system.

Mr. Nickerson said that it could just be a Covid anomaly with more people being home all the time.

Mr. Bond said that heavy rain causes run-off into the system and that many homes are actively running sump pumps and pumping that into the system. He asked Mr. North if they have a jet truck to 'see' the system.

Mr. North said that they could borrow one to use as they are expensive.

Ms. Russell asked if Gateway II is now done, completed and occupied.

Mr. North and Mr. Nickerson said that it is completed and 100% occupied. They added that the Orchards (single family homes) are still being steadily built out.

11. Future Agenda Items

Ms. Russell asked that the Water Report be discussed.

12. ADJOURNMENT

Mr. Nickerson called for a motion to adjourn.

****MOTION (10)**

Mr. DiGiovanna moved to adjourn this Regular Meeting of the East Lyme Water & Sewer Commission at 7:55 PM.

Mr. Bond seconded the motion.

Vote: 8 – 0 – 0. Motion passed.

Respectfully submitted,

Karen Zmitruk,
Recording Secretary

ATTACHMENT B
APPROVAL OF BILLS

EAST LYME WATER & SEWER COMMISSION

July 27, 2021

1. Well 1A/6 Treatment Project	
a. Tighe & Bond, Inv. No. 072190003	\$ 37,988.99
b. RH White, Inv. Appl. No. 14	\$ 248,739.55
c.	\$
2. Meter Replacement Project	
a.	\$
b.	\$
3. SCADA/Telemetry Improvements	
a.	\$
4. Booster Station Upgrades	
a.	\$
b.	\$
5. Water Main Improvements	
a.	\$

EAST LYME WATER & SEWER COMMISSION
JUL 27 2021
AGENDA # <u>5</u>

SENT VIA E-MAIL

Invoice:

Town of East Lyme
 Attn: Ben North
 108 Pennsylvania Avenue
 P.O. Box 519
 Niantic, CT 06357

INV. DATE : 7/16/2021
 INVOICE # : ** 072190003
 PROJECT # : 140610013

RECOMMENDED FOR PAYMENT Ben North
 DIRECTOR PUBLIC WORKS Utilities Engineer
 APPROVED FOR PAYMENT _____
 CHAIRMAN
 EAST LYME WATER & SEWER COMMISSION

ELYME-Well 1A & Well 6 - Bidding & Construction Services

Budget: \$608,100.00

Email Invoice to:
 bnorth@eltownhall.com

FOR PROFESSIONAL SERVICES RENDERED THROUGH 7/3/2021 AS FOLLOWS:

Services rendered this period were performed in accordance with Agreement dated April 2, 2019 and Amendment No. 1 dated September 26, 2019.

ANALYSIS OF COSTS	THIS INVOICE	CUMULATIVE
TOTAL DIRECT PERSONNEL	4,494.75 ✓	155,428.55
OVERHEAD % 176.09	7,914.81 ✓	273,694.14
OTHER DIRECT CHARGES	22,595.02 ✓	43,582.56
TOTAL COSTS	35,004.58	472,705.25
FIXED FEE	2,984.41 ✓	65,726.00
 TOTAL THIS INVOICE	 37,988.99	 538,431.25 Total Invoiced to date

AMOUNT DUE THIS INVOICE 37,988.99

OH \$ 4494.17 * 1.7609 = \$ 7914.81 ✓ 608,100.00 Budget

ODC \$ 33.60 + \$ 34.72 + \$ 22,526.70 = \$ 22,595.02 ✓ 69,668.75 Balance Remaining

FF \$ 22,459.50 * 0.05 = \$ 1122.975

(\$ 4494.75 + \$ 7914.81) * 0.15 = \$ 1861.434

\$ 1122.975 + \$ 1861.434 = \$ 2984.41 ✓

Invoices are due and payable within 30 days of receipt unless otherwise stated in our Agreement.

ACH / Wire Transfers: TD Bank
 Routing #: 211370545
 Account #: 49919061
 E-mail: AR@TigheBond.com

Previous Outstanding Invoices	Days				
	Total	1-30	31-60	61-90	>90
\$22,101.95	\$0.00	\$22,101.95	\$0.00	\$0.00	\$0.00

Town of East Lyme
 Attn: Ben North
 108 Pennsylvania Avenue
 P.O. Box 519
 Niantic, CT 06357

INV. DATE : 07/16/2021
 INVOICE # : 072190003
 PROJECT# : 140610013

PROFESSIONAL PERSONNEL AND EXPENSE DETAIL

Construction Administration

DIRECT LABOR CHARGES	HOURS	AMOUNT
Senior Project Manager	8.50	612.00
Staff Engineer 2	35.25	1,128.00
	-----	-----
	43.75	1,740.00

EXPENSE CHARGES	AMOUNT
Mileage-Prevailing Rate	33.60

	33.60

Total Construction Administration 1,773.60

Construction Observation

DIRECT LABOR CHARGES	HOURS	AMOUNT
Resident Engineer	2.00	100.00
	-----	-----
	2.00	100.00

EXPENSE CHARGES	AMOUNT
Mileage-Prevailing Rate	34.72

	34.72

Total Construction Observation 134.72

Post Construction

DIRECT LABOR CHARGES	HOURS	AMOUNT
Senior Project Manager	25.50	1,836.00
Senior Engineer 2	1.50	88.20
Staff Engineer 3	0.25	10.55
Staff Engineer 2	22.50	720.00
	-----	-----
	49.75	2,654.75

EXPENSE CHARGES	AMOUNT
Mileage-Prevailing Rate	67.20
Other Consultants	22,459.50

	22,526.70

Total Post Construction 25,181.45

**** Total Project 14-06100-13** 27,089.77

8 4494.75

Mileage Expense Tabulation

Invoice Date: 7/16/2021

Invoice #: 072190003

2021 Federal Mileage Rate: \$ 0.560 per mile

Employee	Date	Billable Mileage	Amount
Garneau, Matthew	6/3/2021	30	\$16.80
Garneau, Matthew	6/4/2021	30	\$16.80
Garneau, Matthew	6/22/2021	30	\$16.80
Garneau, Matthew	6/23/2021	30	\$16.80
Garneau, Matthew	6/28/2021	30	\$16.80
Becker, Michael	6/30/2021	62	\$34.72
Garneau, Matthew	6/30/2021	30	\$16.80
		Total	\$135.52

Invoice Backup - eExpense

Project : 140610013 ELYME-Wells 1A & 6-Bidding & Constr
 Client: ELYME Town of East Lyme, CT
 Expense Report : ER00183867 Expense Report W/E July 02, 2021

Expense Report Date Range: 6/26/2021 - 7/2/2021
 Period End Date : 7/2/2021

004359 Becker, Michael

Transactions

Expense Type	Project	Phase	Task	Org	Curr	Sun 6/27	Mon 6/28	Tue 6/29	Wed 6/30	Thu 7/1	Fri 7/2	Sat 7/3	Total
00-JobChg/Billable: Tolls/Parking	220944039	07	03	5400	US								0.00
00-JobChg/Billable: Tolls/Parking	260019041	03	****	5400	US			2.50					2.50
00-JobChg/Billable: Tolls/Parking	285001019	01	03	5400	US			2.50					2.50
Week Total									5.00				5.00
Total Transactions									5.00				5.00

Number of Miles

Expense Type	Project	Phase	Task	Org	Curr	Sun 6/27	Mon 6/28	Tue 6/29	Wed 6/30	Thu 7/1	Fri 7/2	Sat 7/3	Total
00-JobChg/Billable: Mileage	140610013	03	****	5400	US				150.00				150.00
Construction observation - Wed													
00-JobChg/Billable: Mileage	220944039	07	03	5400	US								0.00
00-JobChg/Billable: Mileage	260019041	03	****	5400	US			140.00					140.00
00-JobChg/Billable: Mileage	285001019	01	03	5400	US			140.00					140.00
Week Total									280.00	150.00			430.00
Total Number of Miles									280.00	150.00			430.00

Reimbursement

Expense Type	Project	Phase	Task	Org	Curr	Sun 6/27	Mon 6/28	Tue 6/29	Wed 6/30	Thu 7/1	Fri 7/2	Sat 7/3	Total
00-JobChg/Billable: Mileage	140610013	03	****	5400	US				84.00				84.00
Construction observation - Wed													
00-JobChg/Billable: Mileage	220944039	07	03	5400	US								0.00
00-JobChg/Billable: Mileage	260019041	03	****	5400	US			78.40					78.40
00-JobChg/Billable: Mileage	285001019	01	03	5400	US			78.40					78.40
00-JobChg/Billable: Tolls/Parking	220944039	07	03	5400	US								0.00
00-JobChg/Billable: Tolls/Parking	260019041	03	****	5400	US			2.50					2.50
00-JobChg/Billable: Tolls/Parking	285001019	01	03	5400	US			2.50					2.50
Week Total									161.80	84.00			245.80
Total									161.80	84.00			245.80

Audit Trail

Date/Time	Employee	Status/Notes
7/1/2021 10:42:54AM	004359 Becker, Michael	Signed
7/1/2021 10:43:09AM	004359 Becker, Michael	Unsigned/In Progress
7/1/2021 10:43:21AM	004359 Becker, Michael	Signed
7/1/2021 11:11:03AM	004951 Alves, Lavalier B.	Approved by Supervisor
7/6/2021 8:10:01AM	004951 Alves, Lavalier B.	Approved by Administrator
7/6/2021 8:28:51AM	004951 Alves, Lavalier B.	Posted

62 Billable Miles **\$34.72**

88 Non-Billable Miles \$49.28

Invoice Backup - eExpense

Project : 140610013 ELYME-Wells 1A & 6-Bidding & Constr
 Client: ELYME Town of East Lyme, CT
 Expense Report : ER00183881 CO Mileage 6/4

Expense Report Date Range: 5/31/2021 - 6/4/2021
 Period End Date : 6/4/2021

005479 Garneau, Matthew

Number of Miles

Expense Type	Project	Phase	Task	Org	Curr	Sun 5/30	Mon 5/31	Tue 6/1	Wed 6/2	Thu 6/3	Fri 6/4	Sat 6/5	Total
00-JobChg/Billable: Mileage	101000135B	03	01	5400	US				60.00				60.00
00-JobChg/Billable: Mileage	140610013	02	01	5400	US					30.00	30.00		60.00
- Thur													
- Fri													
Week Total									60.00	30.00	30.00		120.00
Total Number of Miles									60.00	30.00	30.00		120.00

Reimbursement

Expense Type	Project	Phase	Task	Org	Curr	Sun 5/30	Mon 5/31	Tue 6/1	Wed 6/2	Thu 6/3	Fri 6/4	Sat 6/5	Total
00-JobChg/Billable: Mileage	101000135B	03	01	5400	US				33.60				33.60
00-JobChg/Billable: Mileage	140610013	02	01	5400	US					16.80	16.80		33.60
- Thur													
- Fri													
Week Total									33.60	16.80	16.80		67.20
Total									33.60	16.80	16.80		67.20

Audit Trail

Date/Time	Employee	Status/Notes
6/4/2021 12:12:55PM	005479 Garneau, Matthew	Signed Matt Garneau
6/7/2021 2:14:42PM	004951 Alves, Lavalier B.	Approved by Supervisor
6/7/2021 2:40:19PM	004951 Alves, Lavalier B.	Approved by Administrator
6/7/2021 2:51:12PM	004951 Alves, Lavalier B.	Posted

Invoice Backup - eExpense

Project : 140610013 ELYME-Weils 1A & 6-Bidding & Constr
 Client: ELYME Town of East Lyme, CT
 Expense Report : ER00184384 CO Mileage 6/25

Expense Report Date Range: 6/21/2021 - 6/25/2021
 Period End Date : 6/25/2021

005479 Garneau, Matthew

Number of Miles

Expense Type	Project	Phase	Task	Org	Curr	Sun 6/20	Mon 6/21	Tue 6/22	Wed 6/23	Thu 6/24	Fri 6/25	Sat 6/26	Total	
00-JobChg/Billable: Mileage	140610013	02	01	5400	US			30.00	30.00				60.00	
- Tues														
- Wed														
Week Total								30.00	30.00				60.00	
Total Number of Miles									30.00	30.00				60.00

Reimbursement

Expense Type	Project	Phase	Task	Org	Curr	Sun 6/20	Mon 6/21	Tue 6/22	Wed 6/23	Thu 6/24	Fri 6/25	Sat 6/26	Total	
00-JobChg/Billable: Mileage	140610013	02	01	5400	US			16.80	16.80				33.60	
- Tues														
- Wed														
Week Total								16.80	16.80				33.60	
Total									16.80	16.80				33.60

Audit Trail

Date/Time	Employee	Status/Notes
6/25/2021 12:05:47PM	005479 Garneau, Matthew	Signed Matt Garneau
6/27/2021 11:39:46AM	004951 Alves, Lavalier B.	Approved by Supervisor
6/28/2021 11:56:43AM	004951 Alves, Lavalier B.	Approved by Administrator
6/28/2021 11:58:05AM	004951 Alves, Lavalier B.	Posted

Invoice Backup - eExpense

Project : 140610013 ELYME-Wells 1A & 6-Bidding & Constr
 Client: ELYME Town of East Lyme, CT
 Expense Report : ER00184541 7/2 Mileage Expense

Expense Report Date Range: 6/28/2021 - 7/2/2021
 Period End Date : 7/2/2021

005479 Garneau, Matthew

Number of Miles

Expense Type	Project	Phase	Task	Org	Curr	Sun 6/27	Mon 6/28	Tue 6/29	Wed 6/30	Thu 7/1	Fri 7/2	Sat 7/3	Total
00-JobChg/Billable: Mileage	101102017	01	01	5400	US					256.00			256.00
00-JobChg/Billable: Mileage	140610013	04	01	5400	US		30.00		30.00				60.00
- Mon													
- Wed													
00-JobChg/Billable: Mileage	285076012	01	01	5400	US			100.00					100.00
Week Total								30.00	100.00	30.00	256.00		416.00
Total Number of Miles								30.00	100.00	30.00	256.00		416.00

Reimbursement

Expense Type	Project	Phase	Task	Org	Curr	Sun 6/27	Mon 6/28	Tue 6/29	Wed 6/30	Thu 7/1	Fri 7/2	Sat 7/3	Total
00-JobChg/Billable: Mileage	101102017	01	01	5400	US					143.36			143.36
00-JobChg/Billable: Mileage	140610013	04	01	5400	US		16.80		16.80				33.60
- Mon													
- Wed													
00-JobChg/Billable: Mileage	285076012	01	01	5400	US			56.00					56.00
Week Total								16.80	56.00	16.80	143.36		232.96
Total								16.80	56.00	16.80	143.36		232.96

Audit Trail

Date/Time	Employee	Status/Notes
7/2/2021 1:16:54PM	005479 Garneau, Matthew	Signed Matt Garneau
7/2/2021 1:56:29PM	004951 Alves, Lavalier B.	Approved by Supervisor
7/6/2021 8:10:03AM	004951 Alves, Lavalier B.	Approved by Administrator
7/6/2021 8:28:51AM	004951 Alves, Lavalier B.	Posted



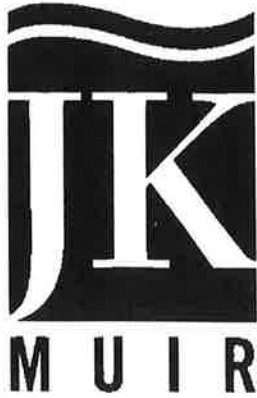
From **JKMuir, LLC**
Please Note our New Address Below:

2275 Silas Deane Highway
Suite 9
Rocky Hill, CT 06067
860.249.0989

Invoice ID **2445**
Issue Date 06/06/2021
Due Date 07/06/2021 (Net 30)
Subject East Lyme Well 1A Upgrades O&M Manual

Invoice For **Tighe & Bond**
53 Southampton Road
Westfield, MA 01085

Item Type	Description	Quantity	Unit Price	Amount
Service	[3127] E-CT - East Lyme Well 1A Upgrades O&M Manual; Megan Whitesell (05/01/2021 - 05/31/2021)	2.25	\$104.00	\$234.00
Service	[3127] E-CT - East Lyme Well 1A Upgrades O&M Manual; Nyssa Lanzafame (05/01/2021 - 05/31/2021)	22.75	\$104.00	\$2,366.00
			Amount Due	\$2,600.00



From **JKMuir, LLC**
Please Note our New Address Below:

2275 Silas Deane Highway
Suite 9
Rocky Hill, CT 06067
860.249.0989

Invoice ID **2408**
Issue Date 05/06/2021
Due Date 06/05/2021 (Net 30)
Subject East Lyme Well 1A Upgrades O&M Manual

Invoice For **Tighe & Bond**
53 Southampton Road
Westfield, MA 01085

Item Type	Description	Quantity	Unit Price	Amount
Service	[3127] E-CT - East Lyme Well 1A Upgrades O&M Manual: Carina Hart (01/30/2021 - 04/30/2021)	3.25	\$142.00	\$461.50
Service	[3127] E-CT - East Lyme Well 1A Upgrades O&M Manual: Jen Muir (01/30/2021 - 04/30/2021)	1.50	\$192.00	\$288.00
Service	[3127] E-CT - East Lyme Well 1A Upgrades O&M Manual: Megan Whitesell (01/30/2021 - 04/30/2021)	21.75	\$104.00	\$2,262.00
Service	[3127] E-CT - East Lyme Well 1A Upgrades O&M Manual: Nyssa Lanzafame (01/30/2021 - 04/30/2021)	162.00	\$104.00	\$16,848.00
			Amount Due	\$19,859.50

July 15, 2021

Mr. Ben North
Municipal Utilities Engineer
Town of East Lyme
108 Pennsylvania Avenue
P.O. Box 519
Niantic, CT 06357

Re: Well 1A and 6 WTP Upgrade Project
Payment Requisition No. 14

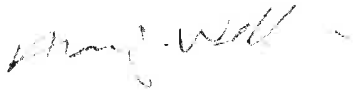
Dear Mr. North:

This letter recommends payment to R.H. White Construction Co., Inc. (R.H. White) in the amount of **\$248,739.55** for construction work performed on the above referenced project between June 15, 2021 and July 15, 2021 as detailed on the attached payment requisition. Work completed in this period has a gross value of \$261,831.10, with a retainage of 5% deducted from the gross amount in accordance with the contract stipulations. All amounts associated with this payment request are SRF loan eligible.

Also attached is Construction Project Status Report #15 for the project. Based on dollars, R.H. White has completed approximately 94.8% of the total estimated project construction cost.

Very truly yours,

TIGHE & BOND, INC.



Al Wells, PE
Senior Project Manager

Enclosures
Copy: Matt Garneau – Tighe & Bond

J:\E\0610 East Lyme\013 Well 1A & 6 Bidding and Constr\Construction\Pay Req\Pay Request 15\Payment Requisition Transmittal Letter 14.docx

RECOMMENDED FOR PAYMENT Ben North
~~DIRECTOR PUBLIC WORKS~~ *Utilities Engineer*
APPROVED FOR PAYMENT _____
CHAIRMAN
EAST LYME WATER & SEWER COMMISSION



Monthly Construction Project Status Report

Well 1A and 6 WTP Upgrade Project Town of East Lyme, CT

Construction Project Status Report No.: 15

Ref. No. DSW #20150114

Date: 07/15/21

Contractor: R.H. White Construction Co., Inc.

For Pay Period: 07/15/21

Current Payment Due: \$ 248,739.55

Effective Date of Agreement: 03/19/20

Original Contract Sum: \$ 4,559,311.00

Notice to Proceed: 04/15/20

Change Orders: \$ 209,364.70

Substantial Completion: 05/20/21

Contract Sum to Date: \$ 4,768,675.70

Final Payment: _____

Work Completed this Requisition

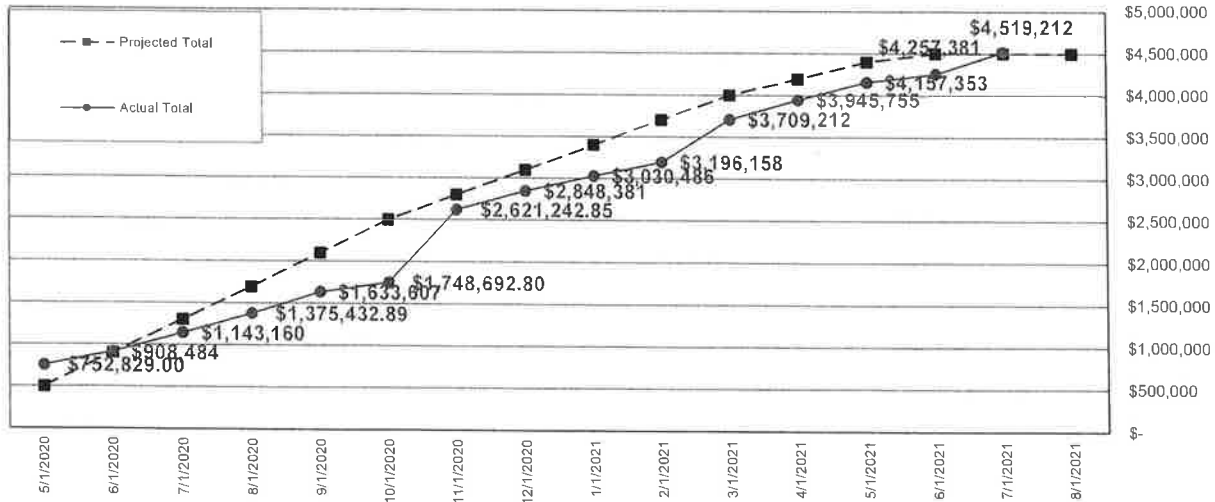
SCADA Programming/Integration, Continue Well 1A & 6 Electrical Work, Site Restoration, Final Paving, Punch List

Work Planned Next Requisition Period

Well 6 Pump Start-Up, Generator Start-Up, Fire Sprinkler Start Up, Site Restoration, Well 1 Decommissioning, Punch List

Additional Work

Contractor Cash Flow Analysis



Contract Time/Schedule

Total Contract Days to Substantial Completion

Total for Contract: 400
 Total used thru Pay Period: 456
 Percent time elapsed: 114.0%

Contract Amount

Based on total dollars, work is 94.8% complete.



Remit To: R.H. White Construction
 P.O. Box 404
 Auburn, MA 01501
 (508) 832-3295

To: East Lyme CT Town of
 108 Pennsylvania Ave
 Niantic CT 06357

APPLICATION FOR PAYMENT

Project: East Lyme CT Town of - Well 1A & Well 6 Treatment
Contract For: Install 1,300 LF raw water transmission main and 1,500 LF of electrical conduit to connect Well 1A with Well 6 Treatment Plant, modifications to WTP including installation of fourth filter, rehabilitation of existing three filters including installation of new GreensandPlus filter media, addition to the Well 6 WTP building and upgrades to the chemical feed systems, 2 new vertical turbine well pumps, building systems, instrumentation and control system with addition of two generators.

Distribution to:

OWNER
 ENGINEER
 CONTRACTOR

Via Engineer: Tighe & Bond
Application No.: 12923-15 East Lyme Invoice # 15 – July 2021
Certificate Date: 07/15/21
Customer Reference: 12923-15 East Lyme Invoice # 15 – July 2021
Contract Date: 04/15/20
Customer No.: EAS042
Job No.: 12923

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for Payment, as shown below, in connection with the Contract. Schedule of Values is attached.

1. ORIGINAL CONTRACT SUM	.....\$	4,559,311.00
2. NET CHANGE BY CHANGE ORDERS	.....\$	209,364.70
3. CONTRACT SUM TO DATE (line 1 + 2)	.....\$	4,768,675.70
4. TOTAL COMPLETED AND STORED TO DATE (Column G of Schedule of Values)	.....\$	4,519,212.20
5. RETAINAGE:		
a. 5.00 % of Completed Work (Column D + E of Schedule of Values)	.....\$	225,960.62
b. % of Stored Material (Column F of Schedule of Values)	.....\$	0.00
Total Retainage (Line 5a + 5b or Total of Column I of Schedule of Values)	.....\$	225,960.62
6. TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5 Total)	.....\$	4,293,251.58
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Application)	.....\$	4,044,512.03
8. CURRENT PAYMENT DUE	.....\$	248,739.55
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	.....\$	475,424.12

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	86,581.43	-20,115.86
Total approved this Month	142,899.13	0.00
TOTALS	229,480.56	-20,115.86
NET CHANGES by Change Order	209,364.70	

Contract For:

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief, the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR:

By: [Signature] Date: 2021-07-19

State of: Massachusetts County of: Worcester

Notary Public: Maden M Plasse

My Commission expires: July 19, 2021

ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on the information provided and the data comprising this application, the undersigned Engineer, Maden M Plasse, Notary Public, Owner that to the best of the Engineer's knowledge, information and belief, the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT RECOMMENDED.

AMOUNT RECOMMENDED..... \$248,739.55

(Attach explanation if the amount recommended differs from the amount applied for in Line 8. Initial all figures on this Application and on the Schedule of Values that are changes to conform to the amount recommended.)

ENGINEER:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT RECOMMENDED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are

Application No.: 12923-15 East Lyme Invoice # 15 –
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without prejudice to any rights of the Owner or Contractor under this Contract

APPLICATION FOR PAYMENT - SCHEDULE OF VALUES

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ORIGINAL CONTRACT									
BID ITEMS									
1	Rock Excavation \$300/CY x 50CY. Bid Item # 2	15,000.0000	0.00	0.00	0.00	0.00	0.00	15,000.00	0.00
2	Additional Crushed Stone \$100/CY x 50CY. Bid Item # 3	5,000.0000	0.00	0.00	0.00	0.00	0.00	5,000.00	0.00
3	Utility Allowance (LS). Bid Item # 4	75,000.0000	0.00	0.00	0.00	0.00	0.00	75,000.00	0.00
4	SCADA Integration Allowance (LS). Bid Item # 5	40,000.0000	0.00	53,359.77	0.00	53,359.77	133.40	-13,359.77	2,667.99
5	Irrigation Well Pumping Test (LS). Bid Item # 6	33,500.0000	16,987.85	0.00	0.00	16,987.85	50.71	16,512.15	849.39
6	Irrigation Well Pumping System Allowance (LS). Bid Item # 7	65,000.0000	52,233.52	0.00	0.00	52,233.52	80.36	12,766.48	2,611.68
7	Traffic Control Allowance (LS). Bid Item # 8	5,000.0000	0.00	0.00	0.00	0.00	0.00	5,000.00	0.00
TOTALS BID ITEMS		238,500.0000	69,221.37	53,359.77	0.00	122,581.14	51.40	115,918.86	6,129.06
8	BOND & INSURANCE	46,101.0000	46,101.00	0.00	0.00	46,101.00	100.00	0.00	2,305.05
9	MOBILIZATION	227,966.0000	227,966.00	0.00	0.00	227,966.00	100.00	0.00	11,398.30
10	ADMINISTRATION & GENERAL CONDITIONS 14Mths @ \$43,000/ Mth	602,000.0000	602,000.00	0.00	0.00	602,000.00	100.00	0.00	30,100.50
11	HEALTH & SAFETY PLAN	1,560.0000	1,560.00	0.00	0.00	1,560.00	100.00	0.00	78.00
12	PERMITS	1,430.0000	1,430.00	0.00	0.00	1,430.00	100.00	0.00	71.50
13	TEMP FENCE	11,650.0000	11,650.00	0.00	0.00	11,650.00	100.00	0.00	582.50
14	DEMOBILIZATION	23,113.0000	0.00	0.00	0.00	0.00	0.00	23,113.00	0.00
TOTALS Division 1		913,820.0000	890,707.00	0.00	0.00	890,707.00	97.47	23,113.00	44,535.35

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DIVISION 2									
15	Environmental Protection	9,000.0000	9,000.00	0.00	0.00	9,000.00	100.00	0.00	450.00
16	Site preparation, loom strip & stockpile, etc	22,000.0000	22,000.00	0.00	0.00	22,000.00	100.00	0.00	1,100.00
17	Insulation at Foundation Wall	2,200.0000	2,200.00	0.00	0.00	2,200.00	100.00	0.00	110.00
18	Furnish Precast Structures	29,000.0000	29,000.00	0.00	0.00	29,000.00	100.00	0.00	1,450.00
1,500' LF of Water Main									
19	Water Main Material	141,473.0000	141,473.00	0.00	0.00	141,473.00	100.00	0.00	7,073.65
20	Water Main Labor + Equipment	182,000.0000	182,000.00	0.00	0.00	182,000.00	100.00	0.00	9,100.00
21	Water Main Disinfection and Pressure Testing	5,000.0000	5,000.00	0.00	0.00	5,000.00	100.00	0.00	250.00
Sitework and Earthwork except force main & electrical conduit									
22	Sitework and Earthwork Material	32,000.0000	30,400.00	0.00	0.00	30,400.00	95.00	1,600.00	1,520.00
23	Sitework and Earthwork Labor	244,400.0000	232,180.00	0.00	0.00	232,180.00	95.00	12,220.00	11,609.00
Underground Utility Conduit Trench									
24	Concrete Encasement	20,000.0000	20,000.00	0.00	0.00	20,000.00	100.00	0.00	1,000.00
25	Materials	5,000.0000	5,000.00	0.00	0.00	5,000.00	100.00	0.00	250.00
26	Labor & Equipment	32,000.0000	32,000.00	0.00	0.00	32,000.00	100.00	0.00	1,600.00
27	Final School Driveway Paving & Concession Stand	54,589.0000	21,835.60	32,753.40	0.00	54,589.00	100.00	0.00	2,729.45
28	Paving on Industrial Park Rd	23,162.0000	9,264.80	13,897.20	0.00	23,162.00	100.00	0.00	1,158.10
29	Paving around Well 1A & 6	22,252.0000	8,900.80	13,351.20	0.00	22,252.00	100.00	0.00	1,112.60

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30	Drainage Piping	4,068.0000	4,068.00	0.00	0.00	4,068.00	100.00	0.00	203.40
31	Install 4 Fire Hydrants	17,059.0000	17,059.00	0.00	0.00	17,059.00	100.00	0.00	852.95
32	Install Electrical Conduit to and from Generators Well 6	4,390.0000	4,390.00	0.00	0.00	4,390.00	100.00	0.00	219.50
33	Install Electrical Conduit to and from Generators Well 1A	1,870.0000	1,870.00	0.00	0.00	1,870.00	100.00	0.00	93.50
34	Sample Water Line Copper	476.0000	476.00	0.00	0.00	476.00	100.00	0.00	23.80
35	4" DI Fire Line Well 6	3,182.0000	3,182.00	0.00	0.00	3,182.00	100.00	0.00	159.10
36	Chain Link Fence	33,000.0000	29,700.00	0.00	0.00	29,700.00	90.00	3,300.00	1,489.00
37	Loam and Seeding	5,524.0000	3,866.80	1,104.80	0.00	4,971.60	90.00	552.40	249.58
38	Furnish + Install 16 Bollards	13,894.0000	12,504.60	0.00	0.00	12,504.60	90.00	1,389.40	629.23
DEMOLITION									
39	Demo in Irrigation Vault	2,812.0000	2,812.00	0.00	0.00	2,812.00	100.00	0.00	140.60
40	Demo DWG D-101	5,684.0000	2,842.00	0.00	0.00	2,842.00	50.00	2,842.00	142.10
41	Demo DWG D-102	15,413.0000	15,413.00	0.00	0.00	15,413.00	100.00	0.00	770.65
42	Demo Filters	48,459.0000	48,459.00	0.00	0.00	48,459.00	100.00	0.00	2,422.95
43	Demo Electrical at Well 1A	2,728.0000	2,728.00	0.00	0.00	2,728.00	100.00	0.00	136.40
44	Demo Electrical at Well 6 WTP (E-104)	6,140.0000	3,991.00	1,842.00	0.00	5,833.00	95.00	307.00	291.65
45	Demo Electrical at Well 6 WTP (E-105)	8,750.0000	6,562.50	1,750.00	0.00	8,312.50	95.00	437.50	419.63
46	General Demo	22,490.0000	22,490.00	0.00	0.00	22,490.00	100.00	0.00	1,124.50

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		26,320.0000	26,320.00	0.00	0.00	26,320.00	100.00	0.00	1,316.00
47	Well 6 Demo	5,597.0000	5,597.00	0.00	0.00	5,597.00	100.00	0.00	279.85
48	Well 1A Demo	31,763.0000	31,763.00	0.00	0.00	31,763.00	100.00	0.00	1,588.15
49	Demo Vault & Hydro Tank								
TOTALS Division 2		1,083,695.0000	996,348.10	64,698.60	0.00	1,061,046.70	97.91	22,648.30	53,052.34
DIVISION 3									
Well 6									
50	Footing	9,568.0000	9,568.00	0.00	0.00	9,568.00	100.00	0.00	478.40
51	Walls	41,912.0000	41,912.00	0.00	0.00	41,912.00	100.00	0.00	2,095.60
52	Slab On Grade	11,232.0000	11,232.00	0.00	0.00	11,232.00	100.00	0.00	561.60
53	Dock Slab	4,056.0000	4,056.00	0.00	0.00	4,056.00	100.00	0.00	202.80
54	Overflow Basins	1,456.0000	1,456.00	0.00	0.00	1,456.00	100.00	0.00	72.80
55	Generator Pad	4,056.0000	4,056.00	0.00	0.00	4,056.00	100.00	0.00	202.80
56	Curbs	1,456.0000	1,456.00	0.00	0.00	1,456.00	100.00	0.00	166.40
57	Mechanical Pads	4,056.0000	4,056.00	0.00	0.00	4,056.00	100.00	0.00	166.40
58	Rubbing	3,328.0000	3,328.00	509.60	0.00	3,328.00	100.00	0.00	182.00
59	Joint Sealant	5,096.0000	4,586.40	364.00	0.00	5,096.00	100.00	0.00	182.00
60	Sidewalk Well 6	3,640.0000	3,276.00	364.00	0.00	3,640.00	100.00	0.00	67.60
61	Generator Pad	1,352.0000	1,352.00	0.00	0.00	1,352.00	100.00	0.00	144.45
		2,889.0000	2,889.00	0.00	0.00	2,889.00	100.00	0.00	144.45
		2,912.0000	2,912.00	0.00	0.00	2,912.00	100.00	0.00	145.60

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62	Sidewalk	1,459.0000	1,459.00	0.00	0.00	1,459.00	100.00	0.00	72.95
Administrative									
63	Submittals	6,240.0000	6,240.00	0.00	0.00	6,240.00	100.00	0.00	312.00
64	Reinforcement- Materials	14,560.0000	14,560.00	0.00	0.00	14,560.00	100.00	0.00	728.00
65	Reinforcement- Labor	13,520.0000	13,520.00	0.00	0.00	13,520.00	100.00	0.00	676.00
66	Concrete testing	8,580.0000	8,580.00	0.00	0.00	8,580.00	100.00	0.00	429.00
67	Mobilization and Demobilization	8,812.0000	8,812.00	0.00	0.00	8,812.00	100.00	0.00	440.60
TOTALS Division 3		144,668.0000	143,794.40	873.60	0.00	144,668.00	100.00	0.00	7,233.40
DIVISION 4									
68	8" CMU Wall + 4" Brick Veneer	82,888.0000	82,888.00	0.00	0.00	82,888.00	100.00	0.00	4,144.40
TOTALS Division 4		82,888.0000	82,888.00	0.00	0.00	82,888.00	100.00	0.00	4,144.40
DIVISION 5									
69	Miscellaneous Metals	14,612.0000	14,612.00	0.00	0.00	14,612.00	100.00	0.00	730.60
TOTALS Division 5		14,612.0000	14,612.00	0.00	0.00	14,612.00	100.00	0.00	730.60
DIVISION 6									
70	Rough carpentry (wood blocking, trusses, ceiling, batt insulation)	50,290.0000	50,290.00	0.00	0.00	50,290.00	100.00	0.00	2,514.50
TOTALS Division 6		50,290.0000	50,290.00	0.00	0.00	50,290.00	100.00	0.00	2,514.50
DIVISION 7									
71	Ceiling Insulation	1,700.0000	1,700.00	0.00	0.00	1,700.00	100.00	0.00	85.00
72	Shingle Roofing	28,000.0000	28,000.00	0.00	0.00	28,000.00	100.00	0.00	1,400.00

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73	Joint Sealant @ Well 1A & 6	2,600.0000	2,600.00	0.00	0.00	2,600.00	100.00	0.00	130.00
TOTALS Division 7		32,300.0000	32,300.00	0.00	0.00	32,300.00	100.00	0.00	1,615.00
DIVISION 8						6,308.26	98.00	128.74	315.41
74	Doors and Frames	6,437.0000	6,308.26	0.00	0.00	574.00	100.00	0.00	28.70
75	Louvers	574.0000	574.00	0.00	0.00	10,995.00	100.00	0.00	549.75
76	Overhead Doors	10,995.0000	10,995.00	0.00	0.00	17,877.26	99.29	128.74	893.86
TOTALS Division 8		18,006.0000	17,877.26	0.00	0.00				
DIVISION 9						150,100.00	95.00	7,900.00	7,505.00
77	Painting	158,000.0000	150,100.00	0.00	0.00	150,100.00	95.00	7,900.00	7,505.00
TOTALS Division 9		158,000.0000	150,100.00	0.00	0.00				
DIVISION 10						1,902.00	100.00	0.00	95.10
78	Signage	1,902.0000	1,902.00	0.00	0.00	708.00	100.00	0.00	35.40
79	Fire Extinguishers	708.0000	708.00	0.00	0.00	2,610.00	100.00	0.00	130.50
TOTALS Division 10		2,610.0000	2,610.00	0.00	0.00				
DIVISION 11						0.00	0.00	10,227.00	0.00
80	Startup and Testing for all equipment	10,227.0000	0.00	0.00	0.00				
Greensand Filters (3 Existing Filters)						28,500.00	100.00	0.00	1,425.00
81	Submittals	28,500.0000	28,500.00	0.00	0.00	242,250.00	100.00	0.00	12,112.50
82	Delivery	242,250.0000	242,250.00	0.00	0.00	44,132.00	100.00	0.00	2,206.60
83	Install	44,132.0000	44,132.00	0.00	0.00				

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84	O&MS	7,125.0000	7,125.00	0.00	0.00	7,125.00	100.00	0.00	356.25
85	Startup and Testing	7,125.0000	0.00	0.00	0.00	0.00	0.00	7,125.00	0.00
Greensand Filters (1 New Filter)									
86	Submittals	19,100.0000	19,100.00	0.00	0.00	19,100.00	100.00	0.00	955.00
87	Delivery	162,350.0000	162,350.00	0.00	0.00	162,350.00	100.00	0.00	8,117.50
88	Install	17,554.0000	17,554.00	0.00	0.00	17,554.00	100.00	0.00	877.70
89	O&Ms	4,775.0000	4,775.00	0.00	0.00	4,775.00	100.00	0.00	238.75
90	Startup and Testing	4,775.0000	0.00	0.00	0.00	0.00	0.00	4,775.00	0.00
Well Pumps									
91	Submittals	11,294.0000	11,294.00	0.00	0.00	11,294.00	100.00	0.00	564.70
92	Delivery	96,002.0000	96,002.00	0.00	0.00	96,002.00	100.00	0.00	4,800.10
93	Install	32,791.0000	16,395.50	0.00	0.00	16,395.50	50.00	16,395.50	819.78
94	O&Ms	2,824.0000	2,118.00	0.00	0.00	2,118.00	75.00	706.00	105.90
95	Startup and Testing	2,824.0000	0.00	0.00	0.00	0.00	0.00	2,824.00	0.00
Chemical Metering Pumps									
96	Submittal	6,047.0000	6,047.00	0.00	0.00	6,047.00	100.00	0.00	302.35
97	Delivery	51,400.0000	51,400.00	0.00	0.00	51,400.00	100.00	0.00	2,570.00
98	Install	6,359.0000	6,359.00	0.00	0.00	6,359.00	100.00	0.00	317.95
99	O&Ms	1,512.0000	1,512.00	0.00	0.00	1,512.00	100.00	0.00	75.60

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100	Startup and Testing	1,512.0000	0.00	0.00	0.00	0.00	0.00	1,512.00	0.00
Chemical Fill Station Enclosures									
101	Submittals	687.0000	687.00	0.00	0.00	687.00	100.00	0.00	34.35
102	Delivery	5,498.0000	5,498.00	0.00	0.00	5,498.00	100.00	0.00	274.90
103	Install	687.0000	687.00	0.00	0.00	687.00	100.00	0.00	34.35
FRP Pump tables									
104	Submittals	1,059.0000	1,059.00	0.00	0.00	1,059.00	100.00	0.00	52.95
105	Delivery	8,470.0000	8,470.00	0.00	0.00	8,470.00	100.00	0.00	423.50
106	Install	1,059.0000	1,059.00	0.00	0.00	1,059.00	100.00	0.00	52.95
Polyethylene Tanks									
107	Submittals	3,432.0000	3,432.00	0.00	0.00	3,432.00	100.00	0.00	171.60
108	Delivery	27,456.0000	27,456.00	0.00	0.00	27,456.00	100.00	0.00	1,372.80
109	Install	3,432.0000	3,432.00	0.00	0.00	3,432.00	100.00	0.00	171.60
110	Furnish & Install Loading Dock Bumpers	2,000.0000	2,000.00	0.00	0.00	2,000.00	100.00	0.00	100.00
TOTALS Division 11		814,258.0000	770,693.50	0.00	0.00	770,693.50	94.65	43,564.50	38,534.68
DIVISION 12									
111	NOT USED	0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS Division 12		0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DIVISION 13 INSTRUMENTATION AND CONTROLS

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112	Install Instruments	8,500,0000	7,650.00	0.00	0.00	7,650.00	90.00	850.00	382.50
113	Furnish instrumentation materials	115,000,0000	115,000.00	0.00	0.00	115,000.00	100.00	0.00	5,750.00
114	Instrumentation submittals	3,500,0000	3,500.00	0.00	0.00	3,500.00	100.00	0.00	175.00
115	Instrumentation System test	1,700,0000	0.00	0.00	0.00	0.00	0.00	1,700.00	0.00
116	Instrumentation Training	1,500,0000	0.00	0.00	0.00	0.00	0.00	1,500.00	0.00
117	Instrumentation O&M	1,500,0000	0.00	0.00	0.00	0.00	0.00	1,500.00	0.00
118	Instrumentation One Year Contract	850,0000	0.00	0.00	0.00	0.00	0.00	850.00	0.00
TOTALS Division 13		132,550,0000	126,150.00	0.00	0.00	126,150.00	95.17	6,400.00	6,307.50
DIVISION 14									
119	NOT USED	0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS Division 14		0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DIVISION 15									
120	Pipe Testing and Disinfection	5,145,0000	4,630.50	0.00	0.00	4,630.50	90.00	514.50	231.53
121	Pipe Supports and Misc. Consumables	25,057,0000	25,057.00	0.00	0.00	25,057.00	100.00	0.00	1,252.85
122	Ductile Iron pipe material	24,000,0000	24,000.00	0.00	0.00	24,000.00	100.00	0.00	1,200.00
123	Ductile Iron pipe labor	33,000,0000	29,700.00	0.00	0.00	29,700.00	90.00	3,300.00	1,485.00
124	Small pipe material	46,000,0000	46,000.00	0.00	0.00	46,000.00	100.00	0.00	2,300.00
125	Small pipe labor	40,000,0000	40,000.00	0.00	0.00	40,000.00	100.00	0.00	2,000.00
126	Fire Spinkler	35,724,0000	33,937.80	0.00	0.00	33,937.80	95.00	1,786.20	1,696.89

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127	Plumbing	73,528.0000	69,851.60	0.00	0.00	69,851.60	95.00	3,676.40	3,492.58
128	HVAC	91,520.0000	86,944.00	0.00	0.00	86,944.00	95.00	4,576.00	4,347.20
TOTALS Division 15		373,974.0000	360,120.90	0.00	0.00	360,120.90	96.30	13,853.10	18,006.05
DIVISION 16									
ELECTRICAL									
129	Electrical Mobilization	5,000.0000	5,000.00	0.00	0.00	5,000.00	100.00	0.00	250.00
130	Permits	1,000.0000	1,000.00	0.00	0.00	1,000.00	100.00	0.00	50.00
131	Submittals	3,000.0000	3,000.00	0.00	0.00	3,000.00	100.00	0.00	150.00
132	Temporary Service	10,000.0000	10,000.00	0.00	0.00	10,000.00	100.00	0.00	500.00
133	Demo Well House 1A	500.0000	500.00	0.00	0.00	500.00	100.00	0.00	25.00
134	Demo Well House 6	8,500.0000	8,075.00	0.00	0.00	8,075.00	95.00	425.00	403.75
135	Lighting Well House 1A	1,500.0000	1,500.00	0.00	0.00	1,500.00	100.00	0.00	75.00
136	Lighting Well House 6	11,000.0000	11,000.00	0.00	0.00	11,000.00	100.00	0.00	550.00
137	Switchgear Well House 1A	7,000.0000	7,000.00	0.00	0.00	7,000.00	100.00	0.00	350.00
138	Switchgear Well House 6	24,000.0000	24,000.00	0.00	0.00	24,000.00	100.00	0.00	1,200.00
139	VFD Well House 1A Unit	18,000.0000	18,000.00	0.00	0.00	18,000.00	100.00	0.00	900.00
140	VFD Well House 1A Labor	4,000.0000	4,000.00	0.00	0.00	4,000.00	100.00	0.00	200.00
141	VFD Well House 6 Unit	18,000.0000	18,000.00	0.00	0.00	18,000.00	100.00	0.00	900.00

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142	VFD Well House 6 Labor	4,000.0000	4,000.00	0.00	0.00	4,000.00	100.00	0.00	200.00
143	Fire Alarm Well House 6	5,000.0000	5,000.00	0.00	0.00	5,000.00	100.00	0.00	250.00
144	Electrical Testing	2,000.0000	0.00	0.00	0.00	0.00	0.00	2,000.00	0.00
WELL HOUSE 1A									
145	Feeder Material	4,500.0000	4,500.00	0.00	0.00	4,500.00	100.00	0.00	225.00
146	Feeder Labor	5,500.0000	5,500.00	0.00	0.00	5,500.00	100.00	0.00	275.00
147	Branch Material	500.0000	500.00	0.00	0.00	500.00	100.00	0.00	25.00
148	Branch Labor	1,000.0000	850.00	0.00	0.00	850.00	85.00	150.00	42.50
149	Lighting Labor	1,000.0000	900.00	0.00	0.00	900.00	90.00	100.00	45.00
150	Control Material	500.0000	500.00	0.00	0.00	500.00	100.00	0.00	25.00
151	Control Labor	1,000.0000	900.00	0.00	0.00	900.00	90.00	100.00	45.00
152	Switchgear Labor	1,000.0000	1,000.00	0.00	0.00	1,000.00	100.00	0.00	50.00
153	Generator Terminations	4,000.0000	4,000.00	0.00	0.00	4,000.00	100.00	0.00	200.00
WELL HOUSE 6									
154	Feeder Material	16,500.0000	16,500.00	0.00	0.00	16,500.00	100.00	0.00	825.00
155	Feeder Labor	18,500.0000	18,130.00	0.00	0.00	18,130.00	98.00	370.00	906.50
156	Branch Material	10,500.0000	10,500.00	0.00	0.00	10,500.00	100.00	0.00	525.00
157	Branch Labor	13,500.0000	12,150.00	0.00	0.00	12,150.00	90.00	1,350.00	607.50
158	Lighting Branch	5,500.0000	5,500.00	0.00	0.00	5,500.00	100.00	0.00	275.00

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159	Lighting Labor	7,000.0000	6,650.00	0.00	0.00	6,650.00	95.00	350.00	332.50
160	Control Material	30,300.0000	30,300.00	0.00	0.00	30,300.00	100.00	0.00	1,515.00
161	Control Labor	34,000.0000	34,000.00	0.00	0.00	34,000.00	100.00	0.00	1,700.00
162	Switchgear Labor	7,500.0000	7,500.00	0.00	0.00	7,500.00	100.00	0.00	375.00
163	Fire Alarm Material	2,000.0000	2,000.00	0.00	0.00	2,000.00	100.00	0.00	100.00
164	Fire Alarm Labor	3,500.0000	2,800.00	0.00	0.00	2,800.00	80.00	700.00	140.00
165	Fire Alarm Test/Start-up	1,500.0000	0.00	0.00	0.00	0.00	0.00	1,500.00	0.00
166	Generator Terminations	4,000.0000	4,000.00	0.00	0.00	4,000.00	100.00	0.00	200.00
SITE WORK									
167	Communication Duct Bank Material - SCH 40 PVC conduit pipe	3,500.0000	3,500.00	0.00	0.00	3,500.00	100.00	0.00	175.00
168	Communication Duct Bank Labor for the SCH 40 PVC conduit pipe	4,000.0000	4,000.00	0.00	0.00	4,000.00	100.00	0.00	200.00
169	Communication Fiber Optic Cable Material	2,000.0000	2,000.00	0.00	0.00	2,000.00	100.00	0.00	100.00
170	Communication Fiber Optic Cable Labor	2,500.0000	2,500.00	0.00	0.00	2,500.00	100.00	0.00	125.00
171	Miscellaneous Electrical Material	1,500.0000	1,500.00	0.00	0.00	1,500.00	100.00	0.00	75.00
172	Miscellaneous Electrical Labor	12,000.0000	12,000.00	0.00	0.00	12,000.00	100.00	0.00	600.00
Generator for Well 1 and Well 6									
173	Submittal	17,784.0000	17,784.00	0.00	0.00	17,784.00	100.00	0.00	889.20
174	Delivery	142,272.0000	142,272.00	0.00	0.00	142,272.00	100.00	0.00	7,113.60

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175	O&Ms	8,892.0000	8,892.00	0.00	0.00	8,892.00	100.00	0.00	444.60
176	Startup and Testing	8,892.0000	0.00	0.00	0.00	0.00	0.00	8,892.00	0.00
TOTALS Division 16		499,140.0000	483,203.00	0.00	0.00	483,203.00	96.81	15,937.00	24,160.15
GRAND TOTALS		4,559,311.0000	4,190,915.53	118,931.97	0.00	4,309,847.50	94.53	249,463.50	215,492.39
PCO 03	PCO 03 Well 1 Offset	3,874.0900	3,874.09	0.00	0.00	3,874.09	100.00	0.00	193.70
PCO 05	PCO 05r2 CHANGE CHLORINATION TAPS	-3,120.8000	-3,120.80	0.00	0.00	-3,120.80	100.00	0.00	-156.34
PCO 06	PCO 06rev2 Well 6 Offset and Piping	24,529.4800	24,529.48	0.00	0.00	24,529.48	100.00	0.00	1,226.47
PCO 07	PCO 07 Well 6 Duct Bank credit	-16,995.0600	-16,995.06	0.00	0.00	-16,995.06	100.00	0.00	-849.75
PCO 08	PCO 08 New 55" precast ring with flushed embedded catch basin frame	3,056.4200	3,056.42	0.00	0.00	3,056.42	100.00	0.00	152.32
PCO 09	PCO 09 10" DI. Water main cut & cap	2,042.9700	2,042.97	0.00	0.00	2,042.97	100.00	0.00	102.15
PCO 10	PCO 10 Hydropneumatic tank concrete pad removal	3,680.7900	3,680.79	0.00	0.00	3,680.79	100.00	0.00	184.34
PCO 11	PCO 11 8in DI. Water main valve replacement	4,875.7200	4,875.72	0.00	0.00	4,875.72	100.00	0.00	243.79
PCO 12	PCO 12 12in AC Pipe Insertion Valve	17,805.0600	17,805.06	0.00	0.00	17,805.06	100.00	0.00	890.25
PCO 13	PCO 13 10in AC Pipe Insertion Valve	15,307.8400	15,307.84	0.00	0.00	15,307.84	100.00	0.00	765.39
PCO 14	PCO 14 WELL 1A ICS INTEGRATION	4,504.3200	4,504.32	0.00	0.00	4,504.32	100.00	0.00	225.22
PCO 15	PCO 15 WELL 6 Fire Alarm Control Panel Upgrade	6,904.7400	6,904.74	0.00	0.00	6,904.74	100.00	0.00	345.24
PCO 16	PCO 16 WELL 6 Additional Fire Alarm Pull Station and Knox-box	1,100.6800	0.00	1,100.68	0.00	1,100.68	100.00	0.00	55.33
PCO 17	PCO 17r1 WELL 6 Adding a 2nd Potassium Permanganate Pump	9,606.6400	0.00	9,606.64	0.00	9,606.64	100.00	0.00	480.33

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			0.00	1,966.32	0.00	1,966.32	100.00	0.00	98.32
PCO 18	PCO 18r1 WELL 6 - RFP 4- Air connections at Filter Vessels	1,966.3200	0.00	1,966.32	0.00	1,966.32	100.00	0.00	98.32
PCO 19	PCO 19r2 WELL 6 - Replace existing 3 - 8" NRS gate valves	12,599.4800	0.00	12,599.48	0.00	12,599.48	100.00	0.00	629.97
PCO 20	PCO 20r1 RFP 7 - Well 6 Roof Replacement Rivet	26,110.9800	0.00	26,110.98	0.00	26,110.98	100.00	0.00	1,305.55
PCO 22	PCO 22 - Well6 WTP - MCP OIT Upgrade	3,994.0700	0.00	3,994.07	0.00	3,994.07	100.00	0.00	199.70
PCO 23	PCO 23 - RFP 6 - Well 6 WTP Existing Solenoid Replacement	16,300.2900	0.00	16,300.29	0.00	16,300.29	100.00	0.00	815.01
PCO 24	PCO 24 - RFP 5 - Well 6 WTP - replace existing valve limit switches at filter 1,2&3	22,206.3500	0.00	22,206.35	0.00	22,206.35	100.00	0.00	1,110.32
PCO 25	PCO 25 - Existing GAC Building - Asphalt Shingles Roof Replacement	14,415.6600	0.00	14,415.66	0.00	14,415.66	100.00	0.00	720.78
PCO 27	PCO 27 - Existing Well1 Building - membrane Eagle Rivet	19,235.1600	0.00	19,235.16	0.00	19,235.16	100.00	0.00	961.76
PCO 31	PCO 31 - Final paving in front of Well 6 for main offset	2,554.3400	0.00	2,554.34	0.00	2,554.34	100.00	0.00	127.72
PCO-26	PCO 26 - Existing Well1A Membrane Roof Eagle Rivet	12,809.1600	0.00	12,809.16	0.00	12,809.16	100.00	0.00	640.46
Job Totals:		\$4,768,675.70	\$4,257,381.10	\$261,831.10	\$0.00	\$4,519,212.20	94.77	\$249,463.50	\$225,960.62

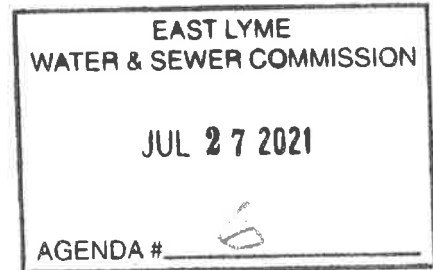
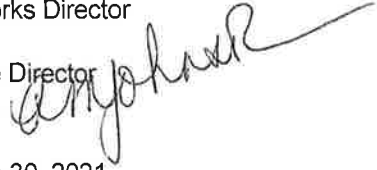
Memo

To: Mark C. Nickerson, First Selectman
Water & Sewer Commission
Benjamin M. North, Utility Engineer
Joseph Bragaw, Public Works Director

From: Anna M. Johnson, Finance Director

Date: July 22, 2021

Re: Month End Reports – June 30, 2021



Water

The available cash balance in Water Operations at month end June 30, 2021 was \$2,051,745 compared to \$1,607,851 in 2020. Of the cash on hand at month end \$333,750 is held for meter deposits, \$112,794 is due to Sewer Operations and \$1,602,257 available for operations compared to \$425,121, \$133,649 and \$1,043,698 respectively in the prior fiscal year.

During the month of June, we received \$52,926 in revenues for a total fiscal year to date of \$3,407,191 or 99.32% of the budgeted amount compared to \$99,574 and \$3,279,038 or 97.62% for fiscal year ended June 30, 2020. In June we billed \$33,382 for Prison use compared to \$14,856 in June 2020.

Total water operating expenditures for the month of June were \$438,520 of the amount budgeted compared to \$517,464 for fiscal year ended June 30, 2020. The percent of budget expended is 87% compared to 84% for 2020. During the month of June \$12,833 was expended for Maintenance of Wells, \$32,953 for electricity, \$39,893 for chemicals, \$10,966 for outside services, \$195,762 for health insurance and \$11,318 from contingency for various operating expenditures. At year end there are currently \$190,902 in open purchase orders and \$89,340 processed in accounts payables to date.

Sewer

The available cash balance in Sewer Operations at month end June 30, 2021 was \$562,463 compared to \$423,057 in June 2020. During the month of June, we received \$40,684 in revenues for a total fiscal year to date of \$2,151,344 or 99.32% of the budgeted amount compared to \$122,657 and \$2,097,428 or 96.48% for fiscal year ended June 30, 2020. In June we billed \$39,438 for Prison use compared to \$34,934 in June 2020.

Total sewer operating expenditures for the month of June were \$119,971 of the amount budgeted compared to \$326,723 for fiscal year ended June 30, 2020. The percent of budget expended is 99% compared to 93% for 2020. During the month we paid \$23,822 for Utilities, \$13,742 for chemicals, and \$14,868 from contingency for various operating expenditures. At fiscal year end there were \$85,219 in open purchase orders and \$35,729 processed in accounts payables to date.

Sewer Assessment The available cash balance in Sewer Assessment Fund at month end June 30, 2021 was \$2,928,819 compared to \$2,419,675 in June 2020. During the month we received \$45,325 in assessments, interest and operating transfer in for loan reduction from Sewer Operations. In addition, \$71,435 was reimbursed to the general fund for payables.

**Town of East Lyme
Water & Sewer Operations
June 2021 Budget Highlights**

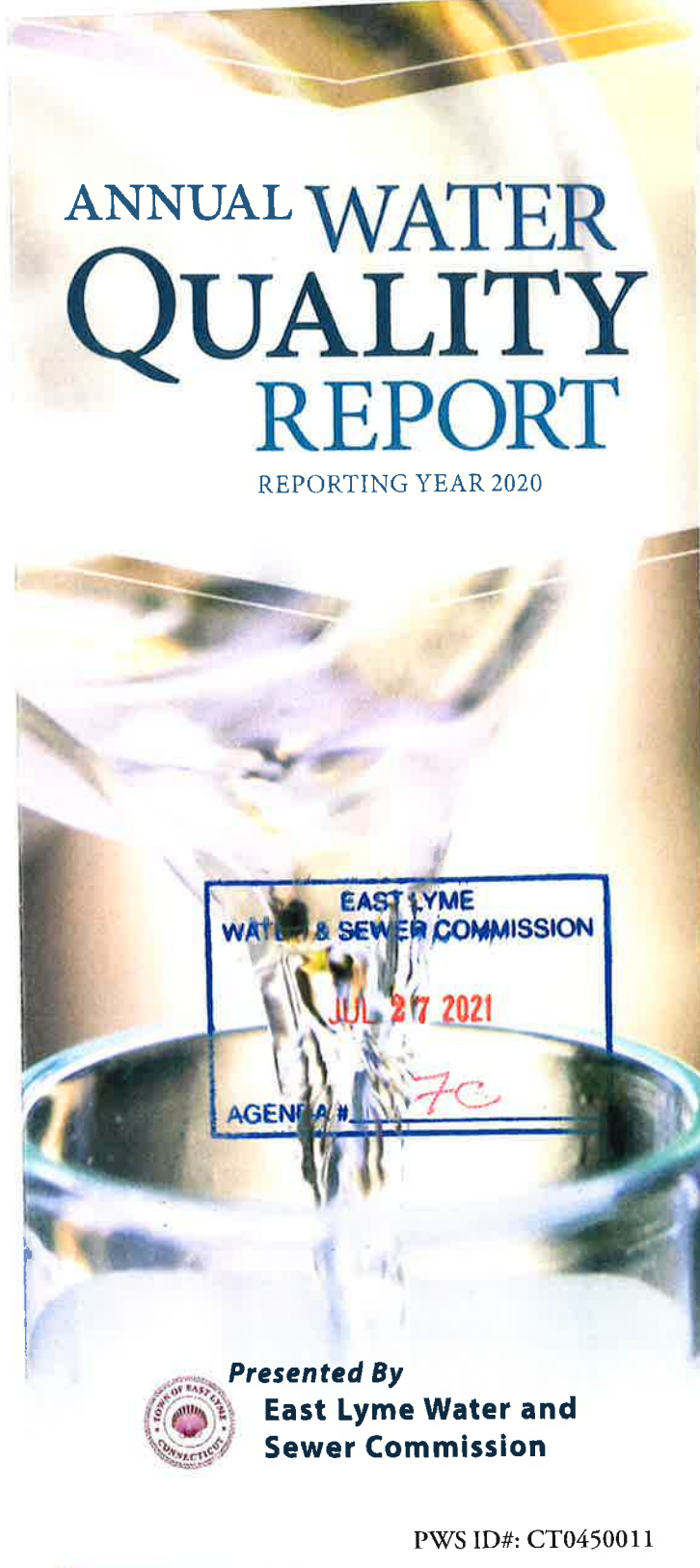
Description	6/30/2021	6/30/2020	Increase (Decrease)
WATER			
Total Revenues (month only)**	52,926	99,574	(46,648)
Prison Billing (month only)**	33,382	14,856	18,526
Delinquent Interest YTD	13,222	10,240	2,982
Benefit Charges YTD	49,700	22,700	27,000
Assessment Charges YTD	7,053	6,086	966
Connection Charges YTD	20,000	25,000	(5,000)
Misc/Turn On-Off Fees YTD	24,851	24,235	616
Lease Rental YTD	6,862	49,976	(43,114)
Private Hydrant Fees YTD	30,375	27,305	3,070
Town Hydrant Fees	47,408	43,098	4,310
Total Expenditures YTD	2,834,660	2,752,714	81,946
Encumbrances****	190,902	47,313	143,589
Accounts Payables****	89,340	57,750	31,590
 SEWER			
Total Revenues (month only)	40,684	122,657	(81,973)
Prison Billing (month only)	39,438	34,934	4,504
Total Expenditures***	2,050,962	1,938,345	112,617
Treatment Plant/System	770,824	601,913	168,912
Utilities	157,467	165,196	(7,729)
Chemicals	112,569	105,138	7,431
Encumbrances****	85,219	70,377	14,842
Accounts Payables****	35,729	43,473	(7,743)

** does not include accrual for May & June

*** does not include depreciation exp

****encumbrances and accounts payables for 6/30/2020 are final; for 6/30/21 are in process

As of 7/22/2021



ANNUAL WATER QUALITY REPORT

REPORTING YEAR 2020

EAST LYME
WATER & SEWER COMMISSION

JUL 27 2021

AGENDA #

7C



Presented By
East Lyme Water and Sewer Commission

PWS ID#: CT0450011

**East Lyme Water Department
Monthly Report - July 2021**

WATER & SEWER COMMISSION
JUL 27 2021
10a

1. General Statistics for Jun-21

TASKS PERFORMED by WATER DEPARTMENT	May 2021	TOTAL THIS YEAR	TOTAL LAST YEAR (July 1st to June 30th)
Meters Installed (New Accounts)	3	22	24
Meters In System	-	6,852	6,830
New Service Connections Installed	2	8	7
Services Repaired⁽¹⁾	3	7	5
Gallons Pumped (x1000)	57,685	616,824	650,751

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

2. Monthly Average Day Demand (MADD)

	June 2021	June 2020	% Difference LY
Water Produced (Million Gallons Daily)	1.923	2.156	-10.79%

MADD as a % of 3.16 MGD available water (24-hour pumping) = 60.85%

MADD as a % of 2.37 MGD available water (18-hour pumping) = 81.13%

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 1.5 inches for June.
- The meter replacement work continued to be put on hold pending concerns raised about licensing and in response to COVID-19. Alternate plans for installation of the meters are being considered.
- Startup of Well 6 Treatment Facility initiated 6/25 utilizing just Well 1A while Well 6 was taken down to perform contracted work and replacement. Well 1A was stress tested at 1200 gpm through treatment. Resulting manganese concentration was 0.02 mg/l, a 99.96% reduction from source water.
- Taste and odor issue from Bride Lake Treatment Facility appears to be resolved. Increased chemical feed rates of Potassium Permanganate during the filtration process has eliminated the apparent "musty" taste and odor. DPH has been contacted to undergo a treatment modification at Bride Lake to exclusively use Sodium Hypochlorite as an oxidant and disinfectant.
- Leak Detection and Correlation was performed on the north end of town that revealed five active leaks in the system. The water distribution crew has repaired three leaks and residents have repaired two customer-side leaks. Leak detection in the south end of town will be performed in July.

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	% +/- (Previous Year)	Monthly Precip. 20-21 (in.)
July	75953	72074	80638	81529	67948	67364	69703	64939	-6.83%	3.88
Aug.	72609	69962	71557	73078	62844	61898	65912	66044	0.20%	3.26
Sept.	61524	54918	62752	56264	48592	52642	58151	56757	-2.40%	1.62
Oct.	55600	50298	56829	53767	45152	48004	51836	48088	-7.23%	4.94
Nov.	53195	46624	56798	51876	39400	51065	45917	40639	-11.49%	5.12
Dec.	61753	51289	59049	53697	45664	40675	48171	40399	-16.13%	7.73
Jan.	64296	53405	55502	55699	48433	44334	44334	45053	1.62%	2.85
Feb.	55226	50538	58426	56887	41951	44733	47832	41912	-12.38%	4.08
Mar.	63206	55848	56130	55300	44903	54467	50150	48343	-3.60%	3.13
Apr.	58447	54891	56931	49606	46231	52493	48753	49554	1.64%	5.05
May	65790	68621	65388	58395	51915	57692	55327	57411	3.77%	5.22
Jun.	71966	64086	74172	64325	57332	58021	64665	57685	-10.79%	1.50
Total	759565	692554	754172	710423	600365	633388	650751	616824		48.38
% +/- (Previous Year)	9.99%	-8.82%	8.90%	-5.80%	-15.49%	5.50%	2.74%	-5.21%		
% +/- Running Annual Average									-6.83%	

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	AVG. Previous Years	20-21	% +/- (Previous Years)	Monthly Precip. 19 20 (in.)
July	75953	72074	80638	81529	67948	67364	69703	73601	64939	-11.77%	3.88
Aug.	72609	69962	71557	73078	62844	61898	65912	68266	66044	-3.25%	3.26
Sept.	61524	54918	62752	56264	48592	52642	58151	56406	56757	0.62%	1.62
Oct.	55600	50298	56829	53767	45152	48004	51836	51641	48088	-6.88%	4.94
Nov.	53195	46624	56798	51876	39400	51065	45917	49268	40639	-17.51%	5.12
Dec.	61753	51289	59049	53697	45664	40675	48171	51471	40399	-21.51%	7.73
Jan.	64296	53405	55502	55699	48433	44334	44334	52286	45053	-13.83%	2.85
Feb.	55226	50538	58426	56887	41951	44733	47832	50799	41912	-17.49%	4.08
Mar.	63206	55848	56130	55300	44903	54467	50150	54286	48343	-10.95%	3.13
Apr.	58447	54891	56931	49606	46231	52493	48753	52479	49554	-5.57%	5.05
May	65790	68621	65388	58395	51915	57692	55327	60447	57411	-5.02%	5.22
Jun.	71966	64086	74172	64325	57332	58021	64665	64938	57685	-11.17%	1.50
Total	759565	692554	754172	710423	600365	633388	650751	685888	616824		48.38
% +/- (Previous Year)	9.99%	-8.82%	8.90%	-5.80%	-15.49%	5.50%	2.74%	5.40%			
% +/- Running Annual Average										-10.36%	

**EAST LIME WATER DEPARTMENT
Well Production Report - June 2021**

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 inches
	(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		0.600		0.000		0.993	1.841	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	0.010		0.301		0.131		0.624		0.193		0.099		0.416		0.755	1.056	1.736	0.193	0.000	1.923	
Date	"Alert" Trigger	12.0		4.0		15.0		20.0		5.0		18.0		22.0							
6/1/2021	0.000	N/R	0.276	19.0	0.101	7.0	0.479	23.4	0.133	6.4	0.057	37.9	0.314	46.2	0.580	0.857	1.360	0.121	0.000	1.481	0.02
6/2/2021	0.000	N/R	0.254	19.0	0.118	5.0	0.603	23.4	0.184	6.4	0.064	10.6	0.434	45.9	0.721	0.974	1.655	0.035	0.000	1.690	0.00
6/3/2021	0.000	N/R	0.273	19.0	0.122	6.0	0.526	23.4	0.196	6.3	0.079	9.9	0.273	58.7	0.648	0.921	1.469	0.159	0.000	1.628	0.00
6/4/2021	0.000	N/R	0.224	19.0	0.112	6.5	0.518	23.4	0.136	6.4	0.096	10.4	0.389	45.1	0.630	0.854	1.475	0.000	0.000	1.475	0.08
6/5/2021	0.000	N/R	0.323	19.0	0.158	6.0	0.749	23.7	0.208	6.3	0.103	9.8	0.526	46.3	0.907	1.230	2.067	0.119	0.000	2.186	0.02
6/6/2021	0.000	N/R	0.327	19.0	0.149	5.5	0.701	22.9	0.265	6.3	0.128	12.5	0.564	44.9	0.850	1.177	2.134	0.104	0.000	2.238	0.00
6/7/2021	0.000	N/R	0.330	19.0	0.140	5.0	0.632	22.9	0.189	6.3	0.110	11.7	0.511	44.5	0.772	1.102	1.911	0.196	0.000	2.107	0.00
6/8/2021	0.000	N/R	0.331	19.0	0.139	5.0	0.689	22.8	0.201	6.2	0.102	12.4	0.473	44.4	0.828	1.159	1.935	0.227	0.000	2.162	0.00
6/9/2021	0.000	N/R	0.314	19.0	0.123	5.0	0.625	22.9	0.194	6.2	0.116	11.6	0.512	44.2	0.748	1.062	1.885	0.216	0.000	2.101	0.00
6/10/2021	0.000	N/R	0.320	19.0	0.144	5.5	0.664	22.8	0.213	6.1	0.103	12.2	0.450	44.3	0.808	1.128	1.894	0.227	0.000	2.121	0.00
6/11/2021	0.000	N/R	0.301	19.0	0.133	5.5	0.624	22.8	0.158	6.1	0.127	12.4	0.596	44.5	0.757	1.058	1.939	0.213	0.000	2.152	0.00
6/12/2021	0.000	N/R	0.254	19.0	0.117	5.5	0.554	22.8	0.218	6.2	0.088	12.3	0.404	43.8	0.671	0.925	1.635	0.262	0.000	1.897	0.00
6/13/2021	0.000	N/R	0.342	19.0	0.144	5.0	0.711	23.0	0.183	6.2	0.116	11.8	0.429	43.9	0.855	1.197	1.925	0.246	0.000	2.171	0.06
6/14/2021	0.000	N/R	0.241	19.0	0.113	5.5	0.513	22.7	0.158	6.2	0.041	12.7	0.403	56.8	0.626	0.857	1.468	0.173	0.000	1.641	0.00
6/15/2021	0.000	N/R	0.297	19.0	0.128	5.5	0.618	23.0	0.166	6.2	0.109	11.9	0.328	43.9	0.746	1.043	1.646	0.197	0.000	1.843	0.57
6/16/2021	0.000	N/R	0.307	19.0	0.132	5.0	0.655	22.8	0.217	6.1	0.102	11.7	0.171	46.1	0.787	1.093	1.583	0.233	0.000	1.816	0.00
6/17/2021	0.000	N/R	0.359	19.0	0.158	5.0	0.735	22.9	0.223	6.1	0.104	11.5	0.391	44.2	0.893	1.252	1.971	0.257	0.000	2.228	0.00
6/18/2021	0.000	N/R	0.333	19.0	0.135	5.5	0.629	22.7	0.224	6.1	0.126	12.0	0.533	44.8	0.764	1.098	1.981	0.216	0.000	2.197	0.00
6/19/2021	0.000	N/R	0.291	19.0	0.148	5.5	0.708	22.8	0.218	6.1	0.100	11.5	0.514	44.0	0.856	1.147	1.978	0.209	0.000	2.187	0.00
6/20/2021	0.000	N/R	0.314	19.0	0.121	5.5	0.586	22.6	0.177	6.0	0.055	11.5	0.500	43.8	0.707	1.022	1.754	0.179	0.000	1.933	0.14
6/21/2021	0.000	N/R	0.285	18.0	0.151	5.5	0.728	22.7	0.225	6.0	0.103	11.3	0.484	43.6	0.879	1.184	1.976	0.217	0.000	2.193	0.00
6/22/2021	0.000	N/R	0.280	19.0	0.110	6.0	0.524	22.6	0.192	6.1	0.088	12.0	0.351	44.8	0.634	0.913	1.544	0.172	0.000	1.716	0.00
6/23/2021	0.000	N/R	0.258	19.0	0.115	7.0	0.568	22.9	0.146	9.8	0.088	11.8	0.388	45.7	0.683	0.941	1.563	0.189	0.000	1.752	0.51
6/24/2021	0.000	N/R	0.264	19.0	0.116	6.0	0.555	22.7	0.196	6.0	0.107	11.8	0.432	45.8	0.671	0.935	1.670	0.201	0.000	1.871	0.00
6/25/2021	0.000	N/R	0.265	19.0	0.106	6.0	0.483	22.8	0.155	6.0	0.091	11.5	0.432	45.6	0.589	0.854	1.531	0.200	0.000	1.731	0.07
6/26/2021	0.000	N/R	0.284	19.0	0.124	6.0	0.587	22.9	0.189	6.0	0.100	11.4	0.401	45.6	0.711	0.994	1.683	0.241	0.000	1.924	0.03
6/27/2021	0.000	N/R	0.381	19.0	0.158	6.0	0.780	22.9	0.262	5.9	0.113	11.3	0.433	45.4	0.938	1.319	2.127	0.287	0.000	2.414	0.00
6/28/2021	0.002	14.5	0.385	19.0	0.173	5.0	0.804	22.5	0.211	5.9	0.131	11.4	0.000	45.2	0.977	1.361	1.706	0.282	0.000	1.988	0.00
6/29/2021	0.009	14.4	0.288	18.0	0.144	6.0	0.688	22.3	0.203	5.7	0.116	11.0	0.000	N/R	0.832	1.120	1.448	0.231	0.000	1.679	0.00
6/30/2021	0.019	13.0	0.321	19.0	0.102	6.0	0.478	22.4	0.153	5.9	0.092	12.0	0.000	N/R	0.580	0.901	1.165	0.180	0.000	1.165	0.00
Average	0.010	14.000	0.301	18.900	0.131	5.700	0.624	22.900	0.193	6.250	0.099	12.500	0.416	44.200	0.755	1.056	1.736	0.193	0.000	1.923	05
Minimum	0.002	13.000	0.224	18.000	0.101	5.000	0.478	22.300	0.133	5.700	0.041	9.800	0.000	0.000	0.580	0.854	1.165	0.000	0.000	1.165	00
Maximum	0.019	14.500	0.385	19.000	0.173	7.000	0.804	23.700	0.265	5.800	0.131	11.900	0.596	58.700	0.977	1.361	2.134	0.287	0.000	2.414	57
Total	0.030		9.020		3.934		18.712		5.792		2.954		11.636		22.646	31.666	52.076	5.789	0.000	57.685	1.50

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	10.04	Total Monthly Demand	
% of Total Sent to NL (Wells)			
Running Total (water received 2021)	6.251		57.69
Goal	17.200		
% of Goal	36.34		
Running Total (water sent to NL 2021)	13.67		
Goal	20.235		
% of Goal	67.58		

Sewer Department Monthly Report

Jul-21

Jun-21 Monthly Running Avg: 937,873 GPD
 Daily Avg: 976,981 GPD
 Daily Max: 1,282,600 GPD
 Daily Min: 590,464 GPD

Daily Average as a Percent of Monthly Running Average: 104.17%
 Daily Average as a Percent of 1.5 MGD Allotment at NLWWTP: 65.13%

State CT Flows:

	DOC	Camp Nett	Rocky Neck	POW	Total
Actual GPD AVG.	104,654	8,371	0	26,698	139,723
Design GPD AVG.	250,000	58,400	64,600	105,000	478,000
% of Design GPD	41.9%	14.33%	0	25.43%	29.23%
% of East Lyme Average Daily Flow	10.71%	0.86%	0.00%	2.73%	14.30%
% of East Lyme 1.5 MGD Allotment	6.98%	0.56%	0.00%	1.78%	9.31%

Footnotes:

EAST LYME
 WATER & SEWER COMMISSION
 JUL 27 2021
 AGENDA # 106

EAST LYME SEWER FLOWS - HISTORY

	2014	2015	2016	2017	2018	2019	2020	2021	% +/- Prev. Yr.	Precip. 2021 (in.)
JAN.	1,011,343	787,646	747,284	784,837	781,519	1,090,311	849,497	938,302	10.45%	2.85
FEB.	994,771	832,681	809,701	765,648	865,263	842,611	859,175	911,422	6.08%	4.08
MAR.	1,026,812	1,017,280	790,851	777,452	927,771	893,805	832,803	886,441	6.44%	3.13
APR.	1,126,058	938,861	796,611	897,161	778,780	918,456	885,983	962,591	8.65%	5.05
MAY	1,145,107	913,816	777,446	872,268	746,049	947,042	900,485	951,501	5.67%	5.22
JUN.	1,007,792	880,190	815,281	849,504	906,535	875,000	882,463	976,981	10.71%	1.50
JUL.	1,038,583	1,048,427	879,952	883,851	1,026,307	977,552	853,930			
AUG.	999,147	977,543	868,636	873,017	905,718	932,181	784,456			
SEPT.	837,706	878,563	762,544	769,493	875,918	833,237	632,562			
OCT.	852,281	861,521	738,247	752,273	903,915	806,576	692,324			
NOV.	787,769	803,842	709,481	732,848	871,111	815,129	700,168			
DEC.	835,260	788,121	728,649	728,437	894,050	927,335	896,694			
RUNNING AVERAGE	971,886	894,041	785,390	807,232	873,578	904,936	814,212	937,873	8.00%	
									Precip. Total	21.83

East Lyme Sewer Department

Monthly Average Day Wastewater Flows (MGD)

Jun-21

		East Lyme Allocation (1.5 mgd)			State Allocation (0.478 mgd)					State	State	East Lyme	East Lyme	
Year	Month	Niantic PS			DOC	Camp Nett	Rocky Neck	POW	Pine Grove	Allocation	Allocation	Allocation	Allocation	
		Daily Avg	Daily Max	Daily Min	0.250	0.058	0.025	0.105	0.040	Total Used	Remaining	Used	Remaining	
2021	January	0.938	1.125	0.814	0.114	0.011	0.000	0.009	0.040	0.174	0.304	1.243	0.257	
	February	0.911	1.041	0.835	0.108	0.008	0.000	0.008	0.040	0.164	0.314	1.226	0.274	
	March	0.886	1.062	0.724	0.100	0.004	0.000	0.010	0.040	0.154	0.324	1.210	0.290	
	April	0.963	1.088	0.770	0.140	0.010	0.000	0.008	0.040	0.198	0.280	1.242	0.258	
	May	0.952	1.120	0.794	0.126	0.004	0.000	0.017	0.040	0.187	0.291	1.243	0.257	
	June	0.977	1.280	0.590	0.105	0.008	0.000	0.027	0.040	0.180	0.298	1.275	0.225	
	July													
	August													
	September													
	October													
	November													
	December													
Annual Avg. (Jan - Dec)		0.938	1.119	0.755	0.115	0.007	0.000	0.013	0.040	0.176	0.302	1.240	0.260	
Annual Average (10 years, 4 months)											1.137	0.363		

July 2021

East Lyme Sewer Maintenance Report for June 2021

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. Grinder pump repairs
6. General Sewer Pump Station Maintenance (oil and belt changes, etc.) Colton Rd, Marshfield Rd
7. Generator maintenance, South Trail, Arbor Xing
8. Paint Point Rd Pump Station
9. General equipment maintenance
10. Install Odor Control System 31 Arbor Xing
11. Install Oder Control System 170 Giants Neck Rd
12. Repair Bride Brook Pump Assembly Pump #1
13. Change Oil Pump Assembly Pine Grove
14. Weekly Lawn Maintenance.

