

**CITY OF NEW LONDON**  
**MINUTES OF BOARD OF PUBLIC WORKS MEETING**  
**Monday, December 2, 2019 @ 4:30 p.m.**

Members Present: Mike Barrington, Bob Besaw, Lori Dean, Dennis Herter, Mike Pinch

Members Absent:

Council Members: Mayor Henke, John Faucher, Tom O'Connell, Dave Morack, Ron Steinhorst

Others Present: Chad Hoerth; Director of Public Services  
Lou Leone, City Administrator  
Michelle Lambrecht; Public Services Administrative Assistant  
Ellen Krabbe; Rural Roads ATV Club President, Vanessa

Genteman;  
Adam Prill

Barrington called the meeting to order at 4:30 p.m.; Motion by Dean seconded by Herter to approve the agenda. *Motion carried by all*

Wastewater Treatment Facility Update: There were no questions or concerns on the WWTF monthly reports.

Discussion of using salt brine for anti-icing needs: The committee discussed the use of salt brine for anti-icing needs (pre-wetting of salt and pre-treatment of the roads before snow falls). Hoerth explained he and staff is researching the costs and anticipated benefits for brine applications. *No motion was made on this item.*

Discussion of applying for the Multimodal Local Supplement (MLS) Program: The MLS program is a one-time \$75 million transportation grant announced by Governor Evers. This grant is advertised as a 90/10 split and applications are coming due in December 2019. Hoerth explained that the city will apply for a grant for reconstruction of Oshkosh Street from Wolf River Avenue to Pershing Road. It is anticipated that the award process will be very competitive and the application asks if the applicant is willing to accept a local grant amount to obtain funding. The committee agreed that it will make the application more attractive however to define in the narrative how low of a grant we can accept before the local match becomes too high for the city to afford at this time. If the city is offered a MLS award in the future the board will determine at that time if they will accept the grant. *No motion was made on this item.*

Addition of a stump grinder attachment to the Capital Equipment 2020 schedule: During the process to identify FEMA eligible funding from the July storm, staff was informed that stump grinding is generally not eligible for any type of FEMA reimbursement and the city is responsible for all stump grinding costs. There is

an estimated 365 stumps that need grinding in the parks and along city streets which could cost upwards of \$11,000. This leads to the question if it would be beneficial to purchase a stump grinder attachment for the city's skid steer rather than contract out. Hoerth and staff are researching options but initially it appears the city could purchase a grinder that would be near or less than the cost of \$11,000. Hoerth pointed out that the city's current skid steer is old and on the schedule for replacement next year, which a more powerful one would be beneficial when replacement occurs to power these types of attachments better.

*Dean moved, seconded by Pinch to add the cost of a new stump grinder attachment to the Capital Equipment Projects 2020 schedule. Motion carried by all.*

Director's Report/Memo: None identified

Other matters: None identified

Next month's agenda items:

Discuss possible adoption of ATV/UTV routes within the City of New London.

There being no further business a motion was made by Besaw and seconded by Dean to adjourn the meeting at 5:33 p.m. *Motion carried by all.*

Chad Hoerth; Director of Public Services

# **AGENDA**

Unless specifically noticed otherwise, this meeting and all other meetings of this body are open to the public. Proper notice has been posted and given to the media in accordance with Wisconsin Statutes so that citizens may be aware of the time, place and purpose of the meeting.

## **MEETING NOTICE**

### **BOARD OF PUBLIC WORKS**

**Monday, December 2<sup>nd</sup>, 2019**

**4:30 p.m.**

**Council Chamber, New London Municipal Building**

1. Call meeting to order, Adopt Agenda
2. Director's Memo
3. Wastewater Treatment Plant Updates
4. Discussion of using salt brine for anti-icing needs
5. Discussion of applying for the Multimodal Local Supplement (MLS) program
6. Addition of a stump grinder attachment to the Capital equipment 2020 schedule
7. Director's Report
8. Next Month Agenda Items
9. Adjournment

**Mike Barrington, Chairman  
Board of Public Works**

*Agenda items are listed so as to accurately describe the actions or issue being considered instead of simply the document listing title or the parties to a contract. This is done as such titles or a list of parties to a contract conveys insufficient information to the public on whether a topic or project they are interested in is being considered. It is the policy of the City of New London to comply in good faith with all applicable regulations, guidelines, etc. put forth in the American with Disabilities Act (ADA). To that end, it is the City's intent to provide equal opportunity for everyone to participate in all programs and/or services offered, to attend every public meeting scheduled, and to utilize all public facilities available. Any person(s) in need of an alternative format (i.e. larger print, audio tapes, Braille, readers, interpreters, amplifiers, transcript) regarding information disseminated by the City of New London should notify the City 48 hours prior to a meeting, etc., or allow 48 hours after a request for a copy of brochures, notices, etc. for delivery of that alternative format. Contact ADA Coordinator Chad Hoerth by telephone through: (Relay Wisconsin) – or 920/982-8500 and in person/letter at 215 N. Shawano Street, New London, WI 54961.*

# Memorandum

**To:** Board of Public Works

**From:** Chad Hoerth, Director of Public Services

**Date:** November 25<sup>th</sup>, 2019

**Re:** December 2<sup>nd</sup>, 2019 Board of Public Works Meeting

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- Discussion of using salt brine for anti-icing needs: This item was requested to be placed on the agenda from one of our council members. A little background on this topic from my end...last year being my first year with snow removal operations I did ask our staff the question about using salt brine. I was told that the city did purchase some treatment tanks to “pre-wet” the salt before it was applied to the pavement, but from the feedback I got was that the system the city used was more of a headache than helpful as it must have “gummed” up the salt and needed constant cleaning and maintenance. When Abel came on board in July, one of my tasks for him was to evaluate the use of salt brine for anti-icing needs (pre-wetting the salt and pre-treatment of the roads before snow). He started that research and we even sent him to a UW snow and ice control training, however unfortunately things didn’t work out with Abel and now we need to regroup. Luke Hammons has stepped up as Interim Superintendent and I’ve had those discussions with him for more research in the cost and benefits for brine applications. So at this time I don’t have a recommendation just yet, but I have had those discussions with staff and are looking into the costs and anticipated benefits.
- Discussion of applying for the Multimodal Local Supplement (MLS) program- the MLS program is the one-time \$75 Million transportation grant that Governor Evers announced this past year. The grant is advertised as a 90/10 split and applications are due on Friday, December 6<sup>th</sup>. My plan is to apply for this grant for improvements to Oshkosh Street from Wolf River Ave to Pershing Rd. One question the grant application asks: “*Yes or No - The Multimodal Local Supplement provides up to 90%*”

*state funding with a minimum 10% Local match. We anticipate the award process to be very competitive. Would the project sponsor accept a lower cost share to obtain funding?"* Unfortunately that's a pretty open ended question when you're planning for this funding. If we say "yes" then how much less would the grant end up being? 80/20? 50/50? 20/80? The estimated cost for a full reconstruction of street and storm sewer improvements could be around \$1.9 million (sanitary sewer improvements are not eligible and would be financed in the WWTP fund). A 10% local contribution of around \$190,000 would be awesome for that project, however if the share gets closer to the 50/50 split, now we're talking about \$950,000 as the city's cost, which may be more than we can finance at this time (when we're looking at financing the downtown in the next few years too). It's pretty obvious that this grant will be extremely competitive and our chances will go up if we select "yes" if we're willing to increase the local share. If we are awarded a grant and the local share becomes too high for the city to finance, we should have the option to decline the grant overall if necessary. I just wanted to make sure the committee is on the same page with that plan and the potential outcomes before I submit the application.

- Addition of a stump grinder attachment to the Capital equipment 2020 schedule- (this item could have been placed on the agenda for the Parks and Rec Committee or the Board of Public Works, but since this agenda was a bit smaller I chose the Board of Public Works meeting ☺ ). During the recent process to identify FEMA eligible funding from the July 20<sup>th</sup> storm, we found out that stump grinding is not eligible for any type of FEMA reimbursement. Unfortunately that means the city is on the hook for all stump grinding costs from this last storm. We estimate that we'll have about 365 stumps to grind in the parks and along city streets once everything is said and done. Looking back at some past bills, in 2018 we paid \$1.75 per inch to have a stump removed. If we estimate that each stump we have to remove is on average 18 inches:  $365 \text{ stumps} \times 18" = 6,570 \text{ inches of stump to grind}$ . Take that by \$1.75 = \$11,497.50. Realizing that, we asked ourselves the question if it would be more of a benefit to purchase a stump grinder at this time rather than to contract it out. Staff are getting quotes for a stump grinding unit that can attach to the front of our skid steer. I don't have that estimate yet but I hopefully will have that at the meeting. If the cost to

purchase is close or less than \$11,498, it's pretty much a no brainer and I'll probably asking the Board for a blessing to include this in the 2020 Capital Equipment budget requests (and we potentially would have this unit for years to come saving on contracting future stump needs). The type of attachment we're investigating is below:



#### Directors Report:

- Years of Service Report:
  - Glen Besaw completed 32 years of service on November 4<sup>th</sup>
- In the last month Luke Hammons, Mike Barrington and I completed our Paser rating process for city streets.
- The required 2020 local roads certification paperwork has been filled out and sent to the DOT.
- If you recall in staff notes, I accidently allowed our compost site license to expire, in the last few weeks I sent in the application paperwork for a new license. During that time the DNR inspector also requested that we clean up the west side of the Floral Hill compost site where people illegally dumped construction material among other things at the site. The staff cleaned it up and I've sent a picture to the DNR rep documenting the cleanup.

- We're finishing up leaf and brush pick up for the season. Mother Nature as we all know made it challenging this year, but overall people have given us positive feedback for continuing the pick up thru the snow storms.

## **December 2<sup>nd</sup> 2019 Board of Public Works Meeting**

### **Wastewater Notes**

Due to the sudden cold snap the sludge hauling season was cut very short. We were able to dispose of 320,000 gallons of sludge in two days. We are able to run off clear water from the sludge separation leaving us enough room in the storage tank until Spring.

The digester rehabilitation project is keeping us busy assisting the contractors when flows need to be rerouted and other processes are disrupted.

We will start getting our workbooks and other annual documentation spreadsheets ready for 2020 in December. I will be generating the new quality control standards in the lab for 2020 in time for the State Lab Proficiency Testing.

#### **Digester Upgrade:**

The South Digester interior epoxy coating and all piping repairs were finished on November 7<sup>th</sup>. August Winter placed the cover back into the digester on the 8<sup>th</sup>. On the 19<sup>th</sup> we were able to transfer the sludge from the North Digester to the South Digester for the first time since mid-June.

We cleaned the North digester and on the 22<sup>nd</sup> its cover was removed for rehabilitation. Demolition of the old mixing system and removal of the struvite (hard rocklike substance) that has coated the interior of the digester will be removed before Thanksgiving. Cover reinforcement for the new mixing system is also taking place.

The new heat exchanger and mini boiler are plumbed and ready to be filled and fired up. Once they pass the inspection August Winter will remove the old boiler then install the new one. This will probably take three weeks.

Despite the cold snap we were able to get blacktop installed by the high strength receiving station on the 25<sup>th</sup>. All piping underground is connected and backfilled. Soon the sidewalks will be poured and rough landscaping finished until springtime when black dirt can be graded.

The roof is partially finished. The membrane is down and secured however they are waiting for the metal soffit and fascia to be delivered.

The new gate opener on the North side of the plant is supposed to be installed in the first week of December.





Wohlt Cheese							
Month	Flow	BOD		TSS		Phos.	
	gals	mg/L	lbs	mg/L	lbs	mg/L	lbs
Jan	11121	1033	103	677	66	34.9	3.3
Feb	7636	1088	86	732	57	33.2	2.6
Mar	7742	1284	125	675	75	33.0	3.0
April	13017	1331	151	940	102	34.2	3.8
May	13074	1046	116	803	86	31.3	3.4
June	12597	1212	124	1361	119	35.9	3.6
July	13268	1111	136	746	88	26.3	3.1
Aug	12555	1054	117	763	85	27.2	3.0
Sept	17007	767	122	476	75	21.5	3.3
Oct	18794	590	81	461	55	15.4	2.0
Nov	14922	499	42	267	28	13.9	1.2
Dec							
Ave	12885	1001	109	718	76	27.9	2.9
Max	18794	1331	151	1361	119	35.9	3.8
Min	7636	499	42	267	28	13.9	1.2

Influent							
Month	Flow	BOD		TSS		Phos.	
	mgd	mg/L	lbs	mg/L	lbs	mg/L	lbs
Jan	1.0264	208	1800	227	1991	4.7	41.6
Feb	0.8486	249	1813	217	1572	5.7	41.1
Mar	2.0985	174	2605	151	2081	3.9	53.9
April	2.3697	117	2223	152	2876	3.4	64.0
May	1.8861	168	2731	213	3449	3.9	63.1
June	1.4323	165	2006	213	2681	4.6	55.0
July	1.1764	210	2028	264	2560	5.5	53.0
Aug	0.8799	246	1854	346	2681	5.7	43.1
Sept	1.5837	197	2381	221	2646	4.7	57.8
Oct	1.7305	154	2138	206	2884	3.6	50.4
Nov	1.0891	197	1758	239	2121	4.5	40.2
Dec							
Ave	1.4656	190	2122	223	2504	4.6	51.2
Max	2.3697	249	2731	346	3449	5.7	64.0
Min	0.8486	117	1758	151	1572	3.4	40.2

Effluent							
Month	Flow	BOD		TSS		Phos.	
	mgd	mg/L	lbs	mg/L	lbs	mg/L	lbs
Jan	1.1674	2	21	4	38	0.3	2.7
Feb	0.9654	1	5	4	36	0.2	1.7
Mar	2.1674	5	115	8	174	0.5	10.8
April	2.3688	6	128	11	223	0.5	9.0
May	1.9608	3	46	6	106	0.3	5.6
June	1.5293	5	68	15	227	0.5	6.9
July	1.3246	4	42	7	73	0.4	4.3
Aug	1.0313	2	29	5	47	0.3	2.5
Sept	1.6970	4	55	7	116	0.4	6.3
Oct	1.9238	2	26	4	67	0.2	4.1
Nov	1.3028			4	39	0.3	3.3
Dec							
Ave	1.5853	3	54	7	104	0.4	5.2
Max	2.3688	6	128	15	227	0.5	10.8
Min	0.9654	1	5	4	36	0.2	1.7
Limit:		25		30		1.0	

Utility							
Month	Rain	Super-natent	Ferric	Methane	Natural Gas	Water	Electricity
	in.	gal	gal	ft <sup>3</sup>	ft <sup>3</sup>	gal	
Jan	0.11	11,746	87	40	46	754	
Feb	0.17	10,200	86	40	47	546	
Mar	0.32	2,519	65	35	41	659	
April	0.31		108	64	23	769	
May	0.37		77	56	21	1,006	
June	0.31	15,968	92	22	28	1,294	
July	0.39	11,241	88		25	1,272	
Aug	0.20	22,016	83		18	1,528	
Sept	0.57	5,051	82		22	1,159	
Oct	0.29		69		24	723	
Nov	0.16	4,581	61		24	635	
Dec							
Ave	0.29	10,415	82	43	29	940	
Max	0.57	22,016	108	64	47	1,528	0
Min	0.11	2,519	61	22	18	546	0

Hauled Waste		
Month	Holding	Septic
	Total gals	Total gals
Jan	757,050	63,250
Feb	647,350	79,150
Mar	1,053,600	120,750
April	1,031,740	239,700
May	1,218,830	553,350
June	939,415	510,200
July	1,016,485	427,650
Aug	872,920	432,200
Sept	865,615	302,200
Oct	929,340	388,650
Nov	626,275	139,950
Dec		
Total:	9,958,620	3,257,050
\$/gal	0.00875	0.02000
Total:	\$87,137.93	\$65,141.00

Mercury		
Quarterly	Inf	Eff
	ug/L	ug/L
Jan	407.00	0.73
Feb		
Mar		
April	52.30	0.82
May		
June		
July	58.30	1.18
Aug		
Sept		
Oct		
Nov		
Dec		
Max	407.00	1.18
Min	52.30	0.73
Limit:		1.30

Ammonia	
Month	mg/L
Jan	<.14
Feb	0.76
Mar	3.7
April	6.3
May	12
June	8.3
July	5.3
Aug	0.15
Sept	<0.15
Oct	0.15
Nov	<0.15
Dec	

Whole Effluent Toxicity
Pass

Fecal Coliform	
Month	
May	25
June	96
July	53
Aug	16
Sept	124
Limit	400