



OFFICIAL NOTICE AND AGENDA
of a meeting of a City Board, Commission, Department
Committee, Agency, Corporation, Quasi-Municipal
Corporation, or Sub-unit thereof.

A Meeting of Wausau Water Works Commission will be held in the
Council Chambers, 1st Floor City Hall, Wausau, WI 54403 at 1:00 p.m. on
Tuesday, December 8, 2020.

AGENDA

1. Approve Minutes of November 10, 2020 Meeting.
2. Director's Report on Utility Operations
 - New Hire for Water Distribution Maintainer – Morgan Moede
 - Kevin Behnke Accepted the Senior Plant Operations Technician Position
 - Michelle Weasler Accepted the Admin III Position
 - National League of Cities, Service Line Insurance Program
 - DWTF Construction Update
 - Wastewater Operational Issues
 - SCADA System Upgrades
 - I & I Study
 - Bill Olsen Transferred from Plant Maintenance Mechanic back to Sewer Maintainer
 - CIPP Project Update
 - Updating Sewer Rate Schedule, Referencing in Ordinance
3. Request Approval of Chemical Quotes for Year 2021.
4. Discussion and Possible Action on Acceptance of Proposal for Sewer Condition Assessment.
5. Discussion and Possible Action on Vergent Proposal for Micro-Turbine Factory Protection Plan Extension.

Adjourn.

**Next meeting scheduled for January 12, 2020.*

THIS NOTICE POSTED AT CITY HALL AND EMAILED TO CITY PAGES AND DAILY HERALD: December 3, 2020 at 1:30 pm.

Due to the COVID-19 pandemic, this meeting is being held in person and via teleconference. Members of the media and the public may attend in person, subject to the social distancing rules of maintaining at least 6 feet apart from other individuals, or by calling 1-408-418-9388. The Access Code is 146 361 5682 and the password is 36aqCTJaWJ3. Individuals appearing in person will either be seated in the Council Chambers or an overflow room, subject to the social distancing rules. Space available will be on a first come, first served basis. All public participants' phones will be muted during the meeting. Members of the public who do not wish to appear in person may view the meeting live over the internet at <https://tinyurl.com/wausaucitycouncil> on the City of Wausau's YouTube Channel https://www.youtube.com/channel/UC-Nigpdco_i8sq5FbbJD_aw and live by cable TV, Channel 981. Any person wishing to offer public comment who does not appear in person to do so, may e-mail michelle.weasler@ci.wausau.wi.us with "Water Commission public comment" in the subject line prior to the meeting start. All public comment, either by email or in person, will be limited to items on the agenda at this time. The messages related to agenda items received prior to the start of the meeting will be provided to the Chair.

In accordance with the requirements of Title II of the Americans with Disabilities Act of 1990 (ADA), the City of Wausau will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs or activities. If you need assistance or reasonable accommodations in participating in this meeting or event due to a disability as defined under the ADA, please call the ADA Coordinator at (715) 261-6590 or ADAServices@ci.wausau.wi.us to discuss your accessibility needs. We ask your request be provided a minimum of 72 hours before the scheduled event or meeting. If a request is made less than 72 hours before the event the City of Wausau will make a good faith effort to accommodate your request.



Minutes of November 10, 2020

A meeting of the Wausau Water Works Commission was called to order at 1:30 p.m. in City Hall on November 10, 2020. In compliance with Wisconsin Statutes, this meeting was posted and receipted for by the Wausau Daily Herald on November 6, 2020.

Members present: President Rosenberg, Commissioners Force, Robinson, Herbst, Gehin.

Others present: Eric Lindman, Dave Erickson, Scott Boers, Valerie Swanborg, Tonia Westphal/Clark Dietz.

1) Approve Minutes of October 6, 2020 Meeting.

Herbst moved to approve the minutes of the October 6, 2020 meeting. Seconded by Gehin.
Motion to approve the minutes carried 5-0.

2) Director's Report on Utility Operations.

Lindman advised that the construction updates for both of the plants are included in the packet.

Force asked about the hole behind the Marathon County Services building and when that will be filled. Lindman advised that it should have been filled last week. Gehin advised it's been filled and paved. Lindman explained that they moved all the fill over to the Kolbe sight when they excavated and when they brought it all back and compacted it they were 1,000 yards short, so there was an additional cost.

Gehin asked if they replaced more pipe than what was intended. Lindman said not that he's aware of.

Force asked about the railroad requirements. Erickson responded that Clark Dietz did a good job getting clearance from the railroad but then got held up on the easements. We almost have that taken care of at least with 2 of them but then the railroads decided that Union Pacific owned it rather than the railroad that approved it. Clark Dietz is submitting material to get that done. Force asked if that's just right away or if there is track there. Erickson explained that there is track there and then the right away extends on each side and the force main is located within that right away.

3) Discussion and Possible Action on Approving Award of the Recommended Solar Proposal.

Lindman advised we had 3 proposals. Some of the firms will be bidding the construction so one of the caveats in the proposal was that we wanted 3rd party inspections. If they provided the engineering services we wanted somebody different to do the construction so there was oversight. Out of the 3 proposals, Clark Dietz came out on top. Staff recommends moving ahead with Clark Dietz to begin the design and planning of the solar project.

Force noticed a considerable disparity in the cost. Lindman explained that in the proposal from IMEG, they had a different list in there about other fees to be billed. The APEX proposal didn't seem to be covering everything that we wanted them to cover. Gehin asked what the projected construction costs were. Westphal responded that they had looked at that a little but the proposal asked for an evaluation on building 3 different size facilities so it's difficult to predict what the cost would be. They looked up the costs of similar sizes of sites. As a caveat, they also used electric data from the existing

plant, not the new plant so this is going to be a really rough number. Something similar in size and recent construction data in the Midwest estimates the cost to be about \$1.75 million. Gehin asked what the estimated payback would be. Westphal explained that every utility is different and not all of those projects were associated with WPS.

Force asked if we are committed to this. Lindman advised the proposal is to move ahead with this, we just want to make sure that the solar that we're providing for the utility is appropriate, we want to look at the payback costs, is it better for us to only generate 50% of our load or 100%. We as a utility haven't gone through that process yet.

Motion by Herbst approving award of the recommended solar proposal to Clark Dietz. Seconded by Gehin.

Robinson asked why when scoring evaluation criteria, we give more weight to locality than the cost, why is that? Lindman advised typically on professional services we don't give a lot of weight to cost because we are more interested in the engineering firms ability to deliver than the actual cost. Robinson asked what goes into the location and experience particularly the difference between IMEG and Clark Dietz. Lindman advised that from his perspective on scoring, Clark Dietz had more experience in the upper Midwest than IMEG did and also on larger facilities. Robinson asked why there is a cost for surveying and soil boring, don't we have a lot of that information already. Lindman responded not in the location where we are proposing to put this.

Robinson commented that he would hope this would be brought back once the 3 options are developed. Lindman responded that we'll bring back the 3 different options along with some additional costs and payback information for the commission to review.

Motion carried 5-0.

4) Discussion on the Timeline for the Wauter Savvy Campaign.

Force advised that the team has met since this board approved the Water Savvy Program at the last meeting. We've looked at the schedule of media opportunities coming up and think the January city newsletter is a major part of the media campaign. We're proposing getting things prepared between now and that newsletter. It will be an ideal time and medium to launch this program and inform the city. In the meantime they will put together a more detailed media schedule using other means of communication such as the website, emails and public service announcements. Rain barrels is a separate project that Commissioner Robinson raised as a possibility. We would need to identify a provider of the barrels as well as the apparatus needed to hook up the barrel to the downspout, what would be charged for the barrels or are they free, instructions on how to install these barrels and developing a distribution protocol and where the barrels would be available. Unless they are instructed differently, they could take a look at this and develop a program before the summer season.

Robinson advised he would work with Force on this. Force noticed nobody was objecting to at least investigating a rain barrel program for the city of Wausau. Rosenberg responded she thinks it's a great idea.

5) Discussion and Possible Action for the Approval of Sole Source Purchases of ClarIon 415 from Chemtrade Chemicals for 2021.

Lindman advised this is a proprietary chemical that is used at the water plant. We typically go through this annually and is a fairly large expense. This is used for the removal of iron and manganese before the water enters the distribution system.

Motion by Gehin to approve the sole source purchase of ClarIon 415 for \$84,000.00 dependent on supply needs. Seconded by Force.

Force asked Boers if he's happy with this and if it works. Boers responded he is happy with it and it works very well in the facility where we are at now. Hopefully we will not need to add a coagulant in our next facility but we do need it for the next year or so.

Motion carried 5-0.

6) Discussion and Possible Action on the Purchase of a Full Size Half Ton Pickup.

Lindman advised that this was budgeted for in the 2020 budget for vehicles and the commission

typically gives final approval for the purchase once we get the quotes. Ewald Ford came in with the low quote of \$30,176.00. Force asked where they are located and if they would service the vehicle. Boers responded they are out of Hartford near Milwaukee and they would not service the vehicle. These are factory warranties so they can be serviced here. Force asked if we've purchased from them in the past. Boers confirmed we have, our last vehicle was purchased there.

Motion by Herbst to approve the purchase of a full size half ton pickup from Ewald Ford for \$30,176.00. Seconded by Gehin.

Herbst asked what this truck would be used for. Boers advised this is just a pickup to be used by the guys for tools and going to and from jobs. This is replacing a truck that was totaled by a former employee in spring.

Motion carried 5-0.

7) Discussion and Possible Action on the Purchase of a Long Wheelbase High Roof Van.

Lindman advised this is similar to agenda #6. Force asked if there is an advantage of putting the 2 together for a better price. Boers advised that each vehicle is spec'd separately so there really is no advantage to having a request for quotes by having them together. Force asked if we ever combine or work together with other utilities in the area on purchases of these vehicles. These are expensive vehicles and is wondering if it's economical to work with them. Boers advised we could definitely look into it but he does feel these are very favorable prices.

Robinson left the meeting at this time.

Motion by Gehin to approve the Purchase of a Long Wheelbase High Roof Van from Ewald Ford for \$44,711.00. Seconded by Force. Motion carried 4-0.

Adjourn.

There being no further business to discuss, motion was made by Herbst to adjourn the meeting. Seconded by Gehin.



MEMORANDUM

TO: President Rosenberg
Commissioner Herbst
Commissioner Force
Commissioner Gehin
Commissioner Robinson

FROM: Eric Lindman, P.E.
Director of Public Works & Utilities

SUBJECT: Director's Report – November 2020

WATER DIVISION

1. We would like to welcome Morgan Moede to the Water Utility. Morgan is the most recent Distribution Maintainer to join our team.
2. Kevin Behnke has been promoted to the Senior Plant Operations Technician Position. Our posting to backfill his vacated position did not provide any candidates who met the minimum qualifications for the position. Some modifications will need to be made to the position requirements before reposting.
3. Michelle Weasler was the successful candidate during our Admin III recruitment, congrats Michelle. We will be working to back fill her prior position as well.
4. The Utility is currently looking into a program to offer current customers. It is a private company, National League of Cities, which offers a service line warranty program. Basically, this is an insurance program that customers may opt in to using at a low monthly cost. It is one program that we are currently vetting to determine if staff would endorse moving forward. The program provides money back to the utility based on the number of customers who sign up for the program. Currently the "Royalty Agreement" is being reviewed by legal to determine if there will be any legal issues moving forward. References of other municipalities are also being sought to get feedback of others who are already in the program. From what I am begin told the cost of the warranty program would be \$5-\$8 per month for residents which covers up to \$8,500 for repair/replacement.

At this time the program is definitely worth looking into as we have a significant number of aged private water service lines in the city and this would be one program to offer residents as a piece of mind. Another part of this would be to again look at a mandatory lead service line replacement ordinance if this program were to be approved for implementation by the Commission. The current

timeline for bringing this plan forward will be at the February Commission meeting where I will have a representative be available to outline details of the program and answer questions of the Commission. Depending on the Commissions feedback it may be brought back for a formal decision to move forward.

5. Construction Update, provided by BH.

WASTEWATER DIVISION

1. We have experienced a number of operational issues at least partly related to the construction:
 - Effluent settling was poor during the week of November 9th and November 16th which we attribute to cleaning and taking Final Clarifier #3 out of service, cleaning Primary Clarifier #3, and switching from Aeration Basin #2 to Aeration Basin #6 during a relatively tight time span. This had a negative effect on our effluent quality but we are still in compliance with our permit.
 - The effluent flow meter failed on Saturday November 14th which caused the RAS pumps to quit pumping and solids to build up in the final clarifiers.
 - We had significant electrical problems in the blower building on November 19th and, to a lesser extent, again on November 30th. This caused us to lose the RAS pumps for several hours on each of those days. The DPW Electrical crew helped us in troubleshooting and correcting those problems.
2. Wastewater and Water staff met with Donohue on December 2nd to plan for SCADA system upgrades.
3. Wastewater Staff met with Strand Engineers on December 1st to review I&I Study in progress.
4. Bill Olsen requested a transfer from Plant Maintenance Mechanic back to Sewer Maintainer. We also have made job offers for the other two open positions on that crew. The remaining Plant Maintenance Mechanic position has been reposted.
5. Hydro-Klean is finishing up some additional pipe lining and the required submittals for the CIPP project.
6. Staff is currently working on updating our sewer rate ordinance with assistance from legal. We are establishing a Sewer Rate Schedule and will be referencing this rate schedule in the ordinance rather than having all of the rates written into the ordinance. This will allow the Commission to review and establish rates without having an ordinance amendment each time rates are reviewed. It also makes for a much easier and more transparent view of all the sewer rate structures. I am proposing to bring the first draft to the Commission for review in January for consideration.

Wausau Drinking Water Treatment Facility

Project Status

December 4, 2020

The Drinking Water Treatment Facility project continues. Basement concrete and footings are complete. Leak testing of underground tanks is mostly complete and backfilling against basement walls have begun. Nearly all floors have been poured and concrete pours for walls on the main floor have begun.

The focus is to work on walls near the electrical room and filter areas so they can be enclosed as soon as possible. Masonry wall construction continues but has experienced some COVID related delays.

Piping crews are starting to install underground process piping and building drain lines.

The attached photographs include some notes to indicate process equipment locations and point out where the plant is located in relation to the surrounding wells.



Well #11

Well #10 (behind trees)

Tierney Rd

Storm Water
Detention Area



Well #6

Well #9

Well #7

Bugbee Ave.

Bugbee Ave.

Burek Ave.





Recycled Base
Course Pile

Anion Exchange
(Color Removal)

Gravity Filters

Basement Tanks

Chemical Storage Rooms

Electrical Room

Chemical Treatment &
Settling Train 1 & Train 2

Aeration & Air Stripping

2021 Chemical Bids

Wausau Water Works - Drinking Water Division

HYDRATED LIME		
Vendor	Unit Price	Ton
Bernntag Great Lakes		Ton
Carmeuse Lime & Stone	361.49	Ton
Chemtrade		Ton
DPC Industries		Ton
DelteK		Ton
Graymount Western lime	175.44	Ton
Hydrite		Ton
Martelle Water		Ton
Milport		Ton
Occidental Chemical		Ton
Wausau Chemical		Ton
Lhoist		Ton
Synagro		Ton
Olin		Ton
PVS Chemicals		Ton
Shay Enterprise		Ton
Specialty Materials		Ton

SODIUM SILICATE		
Vendor	Unit Price	lb/gal
Bernntag Great Lakes		lb.
Carmeuse Lime & Stone		lb.
Chemtrade		lb.
DPC Industries		lb.
DelteK		lb.
Graymount Western lime		lb.
Hydrite		lb.
Martelle Water		lb.
Milport	0.1298	lb.
Occidental Chemical		lb.
Wausau Chemical		lb.
Lhoist		lb.
Synagro		lb.
Olin		lb.
PVS Chemicals		lb.
Shay Enterprise		lb.
Specialty Materials		lb.

SODIUM HYPOCHLORITE		
Vendor	Unit Price	lb/gal
Bernntag Great Lakes		gal.
Carmeuse Lime & Stone		gal.
Chemtrade		gal.
DPC Industries		gal.
DelteK		gal.
Graymount Western lime		gal.
Hydrite	0.8200	gal.
Martelle Water		gal.
Milport	0.9450	gal.
Occidental Chemical		gal.
Wausau Chemical	0.9800	gal.
Lhoist		gal.
Synagro		gal.
Olin		gal.
PVS Chemicals		gal.
Shay Enterprise		gal.
Specialty Materials		gal.

LIQUID CARBON DIOXIDE		
Vendor	Unit Price	lb/gal
Airgas	0.0936	lb.
Air Products	135/ton 0.0675	lb.
AWG (American Welding & Gas)		lb.
Big Ox Energy		lb.
Continental Carbonic		lb.
Continental (Matheson Gas)		lb.
Praxair		lb.
MacCarb		lb.

2020 Sewer Condition Assessment
Opening: November 24, 2020

Hydro-Klean	\$ <u>69,432.50</u>
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National Power Rodding Corp.	\$ <u>437,187.50</u>
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Northern Pipe, Inc.	\$ <u>69,858.50</u>
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Visu-Sewer	\$ <u>128,062.50</u>
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Dave Erickson

From: Justin Rathke <jrathke@vergentpower.com>
Sent: Friday, November 13, 2020 2:43 PM
To: Dave Erickson
Cc: Sumner Bachman
Subject: [EXTERNAL] FPP extension

Hi Dave:

Sumner asked me to send you pricing for the Factory Protection Plan extension for your plan expiring on 2/1/2021. For a 5-year contract, pricing is as follows -

Parts Only = \$16,640/year
Parts and Labor = \$24,540/year

Both plan options include an overhaul.

Let us know if you have any questions and if you require a more formal proposal.

Thank you

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Justin Rathke
Vergent Power Solutions
T: 888.282.2071
C: 202.446.7347