



City of Appleton

100 North Appleton Street
Appleton, WI 54911-4799
www.appleton.org

Meeting Agenda - Final Utilities Committee

Tuesday, February 9, 2021

5:00 PM

Council Chambers, 6th Floor

1. Call meeting to order

2. Roll call of membership

3. Approval of minutes from previous meeting

[21-0139](#) Approval of the January 26, 2021 Utilities Committee Meeting minutes.

Attachments: [January 26, 2021 Utilities Committee Meeting Minutes.pdf](#)

4. **Public Hearings/Apearances**

5. **Action Items**

[21-0143](#) Award sole source purchase of Water Plant High Service Pump #5 Variable Frequency Drive (VFD) equipment and commissioning services to Werner Electric in the amount of \$49,794.

Attachments: [210204_UC Memo_High Lift Service Pump 5 VFD.pdf](#)

6. **Information Items**

7. **Adjournment**

Notice is hereby given that a quorum of the Common Council may be present during this meeting, although no Council action will be taken.

Reasonable Accommodations for Persons with Disabilities will be made upon Request and if Feasible.

For questions on the agenda, contact Chris Shaw at 920-832-5945 or Paula Vandehey at 920-832-6474.



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Meeting Minutes - Final Utilities Committee

Tuesday, January 26, 2021

5:00 PM

Council Chambers, 6th Floor

1. Call meeting to order

Chairperson Meltzer called the Utilities Committee Meeting to order at 5:00 p.m.

2. Roll call of membership

Present: 5 - Meltzer, Fenton, Otis, Prohaska and Smith

3. Approval of minutes from previous meeting

[21-0027](#)

Approval of the December 8, 2020 Utilities Committee Meeting minutes.

Attachments: [December 8, 2020 Utilities Committee Meeting minutes.pdf](#)

**Smith moved, seconded by Prohaska, that the Minutes be approved. Roll Call.
Motion carried by the following vote:**

Aye: 4 - Meltzer, Fenton, Prohaska and Smith

Abstained: 1 - Otis

4. Public Hearings/Appearances

5. Action Items

[21-0114](#)

Award the Engineering contract for 2021 Sludge Storage Addition Project to Applied Technologies, Inc. in the amount of \$499,301 with a 15% contingency of \$74,895 for a Project Total not to exceed \$574,196.

Attachments: [2021 SSB Addition UC Memo Engineering Award ATI_rev.pdf](#)

Smith moved, seconded by Prohaska, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 5 - Meltzer, Fenton, Otis, Prohaska and Smith

[21-0115](#)

Award the Engineering contract for 2021 Solids Dewatering Equipment Upgrades Project to McMahon in the amount of \$325,872 with a 10% contingency of \$32,587 for a Project Total not to exceed \$358,459.

Attachments: [2021 Solids Dewatering Equip Upgrades UC Memo Engineering Award McMahon_rev.pdf](#)

Smith moved, seconded by Prohaska, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 5 - Meltzer, Fenton, Otis, Prohaska and Smith

6. Information Items

[21-0028](#)

Discussion of Stormwater Permit Requirements for Illicit Discharge Detection and Elimination (IDDE)

Attachments: [2021 Illicit Discharge Program presentation.pdf](#)
[2021 IDDE Program combined.pdf](#)
[2020 Ongoing Screening Program reduced.pdf](#)

This item was discussed.

[21-0074](#)

Appleton's Water Main Break History

Attachments: [Water Main Break History.pdf](#)

This item was reviewed.

[21-0075](#)

Monthly Reports for October, November and December 2020:

- Wastewater Treatment Plant Synopsis and Receiving Station Revenue Report
- Water Treatment Facility Synopsis
- Water Distribution and Meter Team Monthly Report - November and December

Attachments: [2020 Q4 Wastewater Treatment Facility Synopsis.pdf](#)
[2020 Q4 Water Treatment Facility Synopsis.pdf](#)
[Water Main Breaks November 2020.pdf](#)
[Water Main Breaks December 2020.pdf](#)

The reports were reviewed.

7. Adjournment

Smith moved, seconded by Prohaska, that the Utilities Committee Meeting be adjourned at 5:28 p.m.. Roll Call. Motion carried by the following vote:

Aye: 5 - Meltzer, Fenton, Otis, Prohaska and Smith



"...meeting community needs...enhancing quality of life."

Department of Utilities
Water Treatment Facility
2281 Manitowoc Road
Menasha, WI 54952
920-997-4200 tel.
920-997-3240 fax

TO: Chairperson Meltzer and Members of the Utilities Committee

FROM: Utilities Director Chris Shaw

DATE: February 4, 2021

RE: *Award sole source purchase of Water Plant High Service Pump #5 Variable Frequency Drive (VFD) equipment and commissioning services to Werner Electric in the amount of \$49,794*

BACKGROUND:

The Appleton Water Treatment Facility (AWTF) utilizes six High Lift Service Pumps (HLSPs) to convey water from out of the water plant into the City's water distribution system. All HSLPs have variable frequency drive (VFD) capabilities which provides the ability to effectively and efficiently ramp up and down pumps based on demand needs within the distribution system.

The existing Rockwell Automation Allen-Bradley VFD on HLSP #5 recently failed after 20 years of use. The repair costs associated with the failed drive would exceed that of a new VFD.

The HLSPs are considered critical assets and the replacement should occur as soon as possible. As an example, this critical asset is needed to maintain water pressure and flow to city residents, industry, and wholesale customers. The risk exposure of not maintaining this HSLP would be an increased potential of loss of water pressure due to a higher community demand (e.g., fire department needs in extinguishing a fire). If the regulatory floor level pressure is not maintained, the water system would be required to issue a public notice of unsafe water which is commonly called a water boil alert.

PROJECT OBJECTIVE:

Werner Electric is the only local distributor supporting Allen Bradley and Rockwell Automation. The quote provided by Werner Electric includes the new Rockwell Automation Allen-Bradley VFD and equipment commissioning for a total cost of \$49,794. The Rockwell Automation replacement VFD would be manufactured to fit into

the existing motor control center to match previous replacement drives (HSLP #3 and #6).

The quote does not include equipment installation. A separate contract will be authorized for the installation of the VFD equipment.

FUNDING:

The funding source for this project will come from the Water Treatment O&M budget.

RECOMMENDATION:

I recommend the sole source purchase of the Water Plant High Service Pump #5 Variable Frequency Drive (VFD) replacement equipment to Werner Electric in the amount of \$49,794. The new installation would be commissioned and then warrantied by Rockwell Automation for a period of one year.