



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

Department of Utilities
Wastewater Treatment Plant
2006 E Newberry Street
Appleton, WI 54915
920-832-5945 tel.
920-832-5949 fax

TO: Chairperson Vered Meltzer and Members of the Utilities Committee

FROM: Chris Shaw, Utilities Director

DATE: January 21, 2021

RE: *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*

BACKGROUND:

The total biosolids storage capacity at the Appleton Wastewater Treatment Plant (AWWTP) is equivalent to approximately 9,000 wet tons. Since 2010 (economic recession), the annual biosolids production rates have exceeded the 180-day storage requirement specified within Wisconsin Administrative Code NR 204. This deficiency has triggered the need for Appleton City Council resolutions to investigate options to address the deficiency and comply with the requirement.

In recent years, more stringent agricultural nutrient management standards, changing land use patterns, increases in biosolids production, and above normal precipitation has complicated the land application of biosolids on agricultural fields and further strained already limited on site storage. In 2010, the city of Appleton constructed a biosolids compost facility at the Outagamie County landfill to diversify beneficial reuse options and expand off-site biosolids storage. Since that time, 5%-10% the AWWTP annual biosolids production has been diverted to the permitted composting facility. This alternative has provided regulatory recognized off-site storage sufficient to satisfy the NR 204 180-day storage requirements. However, the Outagamie County Recycling and Solid Waste (OCRSW) is in an ongoing process to construct a new landfill expansion. As part of that construction, the OCRSW will require the area that is occupied by the biosolids compost facility by 2023. The city of Appleton made the decision during 2020 to pursue an expansion of the sludge storage building (SSB).

RFP PROCESS

Request for Proposals (RFPs) were submitted to four engineering firms for professional services. The services sought will guide the Utilities Department throughout the sludge storage expansion process from planning and design phases, through active construction. Each of the firms invited as part of the RFP process were selected based on an extensive resume of wastewater industry work and past successful project work at the AWWTP.

The Utilities Department organized an evaluation team to critically review each firm's written proposal based on established weighted criteria described in the RFP. Each proposal was given a score by team members based on content and independent of costs. Sealed fees were revealed following the tally of each team member scores. The table below summarizes the proposal review team's tallied scores, engineering firm's proposed fee, and the calculated value score which incorporates the proposed fee to determine the best overall proposal. The higher the final value score, the greater the value of the proposal.

RFP Evaluation Results

COMPANY	SCORE	QUOTE	VALUE
Applied Technologies	466	\$499,301	93.3
Donohue	287	\$366,135	78.4
McMahon	432	\$487,510	88.6
Strand	315	\$912,700	34.5

Notes

1. "Total Score" represents the combined total from each of the three evaluation team members.
2. Point Value Factor Method = (Qualitative Proposal Score/ Quote Price) x 100,000. The highest point value factor derived is considered the best value proposal.

The Applied Technologies, Inc. (ATI) proposal received the highest overall evaluation score by the review team and provided the greatest overall value using the point value calculation. ATI demonstrated a comprehensive understanding of project needs and an approach to deliver a successful project. ATI has a history of being part of successful projects at the AWWTP including the 1997 Sludge Storage Building Addition project. ATI received an innovative design award for that work and brings some of the same lead team members for this project.

RECOMMENDATION:

Approval of an 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.

If you have any questions or require additional information regarding this project please contact Chris Stempa at 920-832-5945.