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**To:** Chairperson Greg Dannecker and Members of the Utilities Committee

**From:** Utilities Director Chris Shaw

**cc:** Enterprise Accounting Fund Manager Kelli Rindt

**Date:** April 24, 2015

**Re:** *Approval of Engineering Services for Water Plant Softener #3 and #4 Rehabilitation including Field Services to Robert E. Lee and Associates in the amount of \$59,800 and a 5% contingency of \$2,990 for a project total not to exceed \$62,790*

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## **BACKGROUND**

The City of Appleton Water Treatment Facility (AWTF) has four water softeners that require extensive maintenance approximately every 12 years to protect steel components from corrosion and to extend the life of the equipment. To date, two softeners have completed these maintenance activities. The Utility has a planned budget to complete the final two softeners by 2016. The 2015 budget for softener painting is \$225,000.

Similar to water tower painting, engineering services are necessary to provide project oversight to ensure high quality and a long term coating system. Engineering services for this project include system evaluation, preparation of plans and specifications, contract administration services, and field services. This project will require a National Association of Corrosion Engineers (NACE) or a structural engineer with a Professional Engineering (PE) license who has considerable knowledge of structural steel mechanical equipment and corrosion resistant coating systems.

## **PROPOSALS**

The Appleton Water Plant received four proposals for project engineering services. Robert E. Lee and Associates proposal was deemed the proposal that best matched services required for this project. Robert E. Lee scored high because they had a team of engineers and technicians that routinely performed this type of project work. The team reviewed services provided by McMahon but did not consider their proposal a match for this project work. The following table summarizes the firms quotes.

<b>FIRM</b>	<b>COST</b>	<b>RANK</b>
Robert E Lee & Associates, Inc.	\$59,800	1
Strand Associates	\$69,680	2
Donohue and Associates	\$179,980	3
McMahon	\$19,404	4

## **RECOMMENDATION**

Approval of Engineering Services for Water Plant Softener #3 and #4 Rehabilitation including Field Services to Robert E. Lee and Associates in the amount of \$59,800 and a 5% contingency of \$2,990 for a project total not to exceed \$62,790

## **BUDGET**

The 2015 project budget for the Softener Recoating project is \$225,000. \$225,000 has also been recommended for 2016. The total \$450,000 was estimated to provide all necessary funding for both engineering and maintenance purposes. The cost of this recommended contract includes the engineering fees for both softeners in both years.

If you have any questions, regarding the project please contact Chris Shaw at 832-5945.