



Memo

TO: Mayor Manier and City Council
FROM: Ed Andrews, Public Works Director
Kevin Schone, Public Works Manager
DATE: March 8th, 2019
SUBJECT: Wells 6 & 8 VFD Improvement Consideration

On January 7th, 2019 Council approved a resolution and contract with RNS Electric and Britton Electronics for the addition of VFD's at Wells 6 & 8 at WTP #1 and full SCADA controls to these same wells at a cost of \$60,950. On February 4, 2019, before work was started, a portion of this project was rejected by Ameren. Ameren had expressed concerns that the work proposed under Britton's custom reimbursement application for SCADA integration would duplicate the standard reimbursement work to be performed by RNS.

Staff has revisited this project with RNS and Ameren and have revised the controls for the VFDs such that it will still satisfy Ameren's Energy Incentive Program (EIP). In place of full SCADA integration, pressure transducers will serve to control the VFDs and still satisfy Ameren's EIP requirements. The Cost of this reduced project is \$30,375.00 with additional start-up charges of \$125/hr (est. \$1000). Both original approved project and revised costs are summarized below:

	Original Full		Reduced Scope	
Total Cost	\$60,950.00		\$31,375.00	
Ameren Rebate	\$25,346.25	42%	\$23,566.00	75%
City Cost	\$35,603.75		\$ 7,809.00	

It is anticipated that full SCADA integration will be added as a latter project.

As such it is recommended that Council approve the revised project, using just RNS in amount \$31,375.

This matter has been placed on the Special Council Meeting agenda of Monday, March 11th, 2019 for review and approval.

RESOLUTION NO. R-1259

Synopsis: Adoption of this resolution would allow the opportunity to take advantage of all energy efficiency incentives through Ameren, award the contract for services, and waive the formal bidding process for the installation of Variable Frequency Drives at Water Treatment Plant No. 1. Incentives through Ameren total approximately \$40,000 of the \$60,950 project cost.

A RESOLUTION AUTHORIZING THE MAYOR AND CITY CLERK TO ENTER INTO A CONTRACT FOR SERVICES REGARDING WATER TREATMENT PLANT NO. 1

WHEREAS, the City of Washington has the opportunity for incentives to decrease energy cost and improve efficiency at Water Treatment Plant No. 1 (WTP#1) under Ameren's Energy Efficiency Incentive Program; and

WHEREAS, the current configuration of Wells 6 & 8 at WTP#1 currently are not controlled by Variable Frequency Drives (VFDs); and

WHEREAS, it is imperative that the energy saving work at Water Treatment Plant No. 1 be performed by March 3, 2019 in order to qualify for the instant incentive of an additional 15%; and

WHEREAS, the City staff has determined that, due to the emergent nature of the Ameren Incentives for Water Treatment Plant No. 1, it is desirable to contract for the subject work and services without utilizing the formal competitive bidding process to ensure completion of the repairs on an expedited basis; and

WHEREAS, City staff have determined that RNS Electric, Inc. and Britton Electronics and Automation, contractors of record for prior work performed on Water Treatment Plant No. 1, are both willing and well qualified to perform the improvements;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WASHINGTON, TAZEWELL COUNTY, ILLINOIS, THAT:

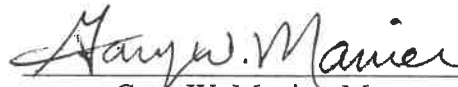
Section 1. That the City Council, by a two-thirds vote, agrees to waive formal competitive bidding for the subject project.

Section 2. That the Mayor and City Clerk are hereby authorized and directed to enter into a contract with RNS Electric, Inc. and Britton Electronics and Automation for services rendered related to the subject project in an amount not to exceed \$60,950.00.

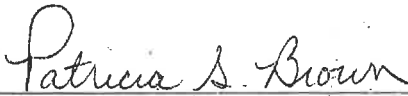
Passed and approved this 22nd day of January, 2019.

AYES: Adams, Brucks, Butler, Cobb, Dingledine, Gee, Moss

NAYS: -0-


Gary W. Manier, Mayor

Attest:


Patricia S. Brown, City Clerk