

**ROCHELLE CITY COUNCIL
AGENDA ITEM MEMO
REGULAR MEETING**

SUBJECT: Resolution authorizing the retention of Fehr Graham for professional services related to well number 8.

Staff Contact: Adam Lanning

Summary:

Well 8 located on Caron Rd. was drilled and developed in the 1960's to provide water to a growing industrial area of town. Currently the well house is a single room metal panel building approximately 300 ft². Since the 1990's the well has only been used as a backup due to elevated levels of iron in the water. Over many years, Rochelle has been planning to build an iron removal plant since this well is centrally located in the industrialized area of town and is a high capacity well (1800 gpm). We would like to construct an iron removal pressure filter plant with the accommodation to remove radium if that ever becomes a problem. We would use the hydrous manganese oxide (HMO) method for radium removal along with liquid chlorine to eliminate the risk of housing gaseous chlorine. Upon completion, this well could be put online and help us to avoid drilling and developing another well in which we don't know the long term water quality needs. As stated, currently the well is unusable other than serving as a backup supply due to the elevated level of iron.

RMU advertised a request for qualifications regarding design services, we conducted site visits and evaluated both firms that submitted a statement of qualification. It is of our opinion that Fehr Graham retains the proper background and level of technical understanding for such a project. We are currently pursuing an EDA grant to help fund this project and any remaining cash needs will be funded through the SRF loan program with the Illinois EPA. The EDA grant should fund up to 50% of the project and through the SRF loan program we expect a max of \$400,000 in principle forgiveness. In addition, a rate study is currently underway and as part we will estimate the cost impact of this project on each customer class. The most current engineers cost estimate for the plant is \$4.6 million.

Funding Sources:

Source:	Budgeted Amount:	Proposed Expenditure:
SRF Loan	\$450,000	\$430,000

Strategic Plan Goal Application: Develop and implement a plan to replace/repair infrastructure to work in concert with the CIP

Recommendation: Resolution authorizing the retention of Fehr Graham for professional services related to well number 8.