

**CITY OF WAUKESHA****Administration**

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Committee: Board of Public Works	Date: 3/22/2018
Common Council Item Number: ID #18-0422	Date: 4/5/2018
Submitted By: Fred Abadi, Director of Public Works	City Administrator Approval: Kevin Lahner, City Administrator KL
Finance Department Review: Rich Abbott, Finance Director RA	City Attorney's Office Review: Brian Running, City Attorney BR
Subject: Review and act on a contract with Strand Associates for Bio-gas Utilization Study.	

Details:

The City is approaching the next stage of its 20-year facility plan which included the co-generation of electricity from bio-gas. Focus on Energy is offering a matching grant of up to \$15,000 for beneficial use studies on bio-gas so this seemed like an opportune time to re-evaluate the options as technology is rapidly changing. An RFP for a study was sent out to three consulting firms. City staff reviewed the proposals received, and ranked the Strand Associates proposal the highest based on experience, knowledge, price, and grant requirements. The proposal was forwarded to Focus on Energy to determine grant eligibility. They have accepted the proposal and confirmed the grant would be approved.

Options & Alternatives:

The study will take another look at the best option for bio-gas use before making a major capital investment. The facility plan estimated the cost for the addition of co-generation equipment at \$2 million. The study will look at co-generation, renewable natural gas/compressed natural gas, and use for sludge drying. Also, gas conditioning and increasing production of gas will be evaluated. We could disregard the study and advance the co-generation option originally identified. The grant must be accepted by May 5th to proceed with the study.

Financial Remarks:

The cost of the study is \$19,820 which would be paid for from the consulting account (7380.52135). Focus on Energy would then reimburse the City 50% of that cost upon completion of the study making the net cost to the City \$9,910. The revenue account will be 7280.42910 for \$9,910. The City would then be eligible for further grant money on implementation of recommendations from the study.

Executive Recommendation:

Recommend approval of contract with Strand Associates for Bio-gas Utilization Study.

