



TOWN OF ERIE

645 Holbrook Street
Erie, CO 80516

Town Council

Board Meeting Date: 6/12/2018

File #: 18-187, Version: 1

SUBJECT: CONSENT

A resolution authorizing the Award of a Consultant Contract to Burns & McDonnell Inc., for the Water Treatment Facility Expansion Design in the amount of \$459,116.00 and a contingency amount of \$65,884.00.

DEPARTMENT: Public Works

PRESENTER/PREPARER: Todd Fessenden, Public Works Director
Russell Pennington, Town Engineer
Wendi Palmer, Civil Engineer

FISCAL INFORMATION:

Cost as Recommended: \$525,000.00
Balance Available: \$680,000.00
Fund: Water
Budget Line Item Number: 500-70-110-605000-100258
New Appropriation Required: No

STAFF RECOMMENDATION:

Approve the resolution to award said contract, authorize the appropriate town officer to execute said contract, and authorize staff to expend contracted funds and contingency funds.

SUMMARY AND BACKGROUND OF SUBJECT MATTER:

The 2018 Water Capital Improvement budget contains funds for design of the next expansion of the Lynn R. Morgan Water Treatment Facility (WTF). The WTF current firm capacity is 9.9 million gallons per day (MGD). Peak system demand days have been growing at a rate of roughly 0.5 MGD per year, with a peak demand day in 2017 of 8.4 MGD. This trend would place us roughly three years from exceeding treatment capacity. The proposed project would expand the treatment plant capacity to roughly 16.5 MGD by adding a second pretreatment train and expanding the existing filtration modules. As part of this design we will also be evaluating the potential for adding a hydroturbine on the incoming water to the plant, which could generate significant electricity to the plant's incoming power and offset electrical costs. If the hydroturbine is feasible, Staff will present a proposal to the Board of Trustees for approval for additional funds to complete its design. A number of additional minor improvements will also be designed as part of this project.

A Request for Proposal was posted on the Town's website on January 10, 2018 to ensure that local

consultants were notified about this project.

The following schedule was used for consultant selection:

Request for Proposals Issued	April 17, 2018
Pre-Proposal Meeting	April 23, 2018
Proposals Due	May 17, 2018
Consultant Selected	May 25, 2018

Three Proposals were submitted. After Staff reviewed the proposals, one proposal was disqualified due to a lack of experience with the type of treatment the Town uses, and another proposal was disqualified due to an incomplete presentation of the scope of work requested in the proposal. The third proposal from Burns & McDonnell was extremely well written, the proposal covered every task in the scope of work and they have experience with the type of treatment the Town uses. Burns & McDonnell designed the last Water Plant expansion and are intimately familiar with the existing treatment facility. The Town has a very good working relationship with Burns & McDonnell. They have designed waterlines, sanitary sewer lines, tanks and treatment plants for the Town.

Project Budget Summary

Design Contract	\$459,116.00
<u>Contingency (15%)</u>	<u>\$ 65,884.00</u>
Total	\$525,000.00

Remaining funds will be used in the construction of the project. The Construction project will be presented to the Board next year.

Project Schedule

Notice of Award	June 13, 2018
Preliminary Design	Fall 2018
Final Design	Early 2019
Anticipated Project bid	Spring 2019
Anticipated Construction Complete	Early 2020

ATTACHMENTS:

- a. Resolution
- b. Consultant Agreement
- c. Vicinity Map