

IntraDepartmental

MEMORANDUM

TO: Director Brian Baker, GLWA
FROM: Grant Gartrell, Director of Engineering, Water & Field Services, GLWA
COPY: Cheryl Porter, Chief Operating Officer, Water & Field Services
SUBJECT: Proposed Contract No. 1900516 Imlay Freeze Protection Pump Installation
DATE: January 15, 2020

Dear Mr. Baker:

The purpose of this memorandum is to 1) compare the Business Case Evaluation (BCE) score for subject proposed contract to the other projects in the current fiscal year 2020 CIP, and 2) provide the estimated long-term electrical cost savings that are anticipated by implementing this contract. The capital improvement program (CIP) number for the proposed subject contract is 132007. The review committee (RC) BCE score is 37.6. There are 60 projects in the FY2020 CIP with a greater RC BCE score. The status of these 60 projects is provided in Table 1.

Table 1 Projects with RC BCE Score Greater Than 37.6	
Number of Completed and Closed Projects	9
Number of Active Projects	34
Number of Projects Not Started	17
TOTAL	60

The status of the 17 projects that have not been started yet and that have a RC BCE score greater than the subject proposed contract is provided in Table 2.

Table 2 Projects Not Started with RC BCE Score Greater Than 37.6	
Water booster station improvements pending on the recommendations of Contract No. CS-052A Needs Assessment	8

Table 2 Projects Not Started with RC BCE Score Greater Than 37.6	
Water plant improvements that are larger and more complex in scope and are currently being planned and thoroughly scoped by Water Operations, including: <ul style="list-style-type: none"> a) Springwells Yard Piping and High-Lift Header Improvements b) Northeast High-Lift Pump Station Improvements c) Springwells Flocculator Replacement d) Southwest Chlorine Scrubber and Raw Water Screen Replacements 	4
Projects that have been reconsidered over the past year and that will be assigned a lower BCE score than the proposed contract in the upcoming FY2021 CIP, including: <ul style="list-style-type: none"> a) Southwest Low-Lift/High-Lift Pump Station and Flocculation Improvements b) Springwells Powdered Activated Carbon System Improvements c) Lake Huron Architectural Programming for Admin. Building Improvements 	3
Projects that cannot be started yet because there are predecessor projects that are currently underway and that must be completed prior to starting these projects, including: <ul style="list-style-type: none"> a) Reservoir inspection, design and rehabilitation at Water Works Park, Northeast, Wick and Schoolcraft Road b) Reservoir inspection, design and rehabilitation at Adams, Eastside, Farmington, and Ford Road 	2
TOTAL	17

Regarding the anticipated savings due to reduced electrical consumption, implementation of the proposed subject contract will reduce GLWA's electrical bills from DTE by about \$90,000 per year.