Legislation Details (With Text)

File #:	2018-0191	**Version:**	1	**Name:**	Main Pump Station Motor Control Center Replacement Proposal - Greeley and Hansen Engineering of Chicago
Type:	MOTION			**Status:**	PASSED
File created:	3/14/2018			**In control:**	Board of Trustees
On agenda:	4/2/2018			**Final action:**	4/2/2018
Title:	Main Pump Station Motor Control Center Replacement Proposal - Greeley and Hansen Engineering of Chicago				
Code sections:					
Attachments:	1. Proposal, 2. Contract				

Date	Ver.	Action By	Action	Result
4/2/2018	1	Board of Trustees		
3/23/2018	1	Public Works Department	INTRODUCED TO BOARD	
3/19/2018	0	Public Works Committee	RECOMMENDED FOR APPROVAL	Pass
3/14/2018	0	Public Works Department	INTRODUCED TO COMMITTEE	

Title
Main Pump Station Motor Control Center Replacement Proposal - Greeley and Hansen Engineering of Chicago

History
Constructed and in service since 1985, the Village of Orland Park (Village) Main Pumping Station provides the only source of potable water for the Village's water distribution system. In 2016, to plan for future improvements, the Village solicited Greeley and Hansen Engineering of Chicago, Illinois, the firm that originally designed and oversaw construction of the Main Pumping Station to complete an evaluation of the facility. Greeley and Hansen have been involved with several major improvement projects with our Main Pumping Station and have the most intricate knowledge of the facility. The report identified the replacement of the station's Motor Control Center (MCC). The MCC is responsible for controlling and distributing power to pumps and equipment throughout the facility. The majority of the electrical equipment is original to the facility. Over the past few years, the electrical system has become harder to maintain as components become obsolete and spare parts more difficult and expensive to obtain. Numerous customized modifications over the years have resulted in inconsistencies with shop drawings making troubleshooting both labor intensive and dangerous. Several failed attempts to repair the automatic transfer of emergency power between ComEd and standby generator has been costly and still requires human interaction when primary power is lost. The MCC Replacement Project will implement the improvements identified in the Report to improve electrical system reliability, efficiency, safety, and mitigate difficulties associated with the aging electrical equipment.

The Village requested and received a proposal from Greeley and Hansen of Chicago, Illinois for Phase 1, 2 and 3 engineering of the MCC Replacement Project in the amount of $238,000.00. Due to the critical operation of the station to provide a safe and consistent water supply for the Village, Public Works will work with Greeley and Hansen to complete Phase 1 and 2 engineering by October

2018. Depending on the availability of funds, the project will be bid for approval in early 2019. Installation would follow during the winter season of 2019 and 2020 as a result of long construction lead times to manufacture the MCC and when water consumption is at the lowest.

Recognizing the complexity of this project, staff recommends that the balance of the budgeted $250,000 ($12,000) be used for contingency.

Funds will be allocated in FY2019 and FY2020 for construction.

On March 19, 2018, this item was reviewed by the Public Works Committee and recommended for approval and referred to the Village Board of Trustees for consideration.

Financial Impact
Funds for this project are available in the Utility Fund account 031-6002-443200.

Recommended Action/Motion
I move to approve accepting the proposal from Greeley and Hansen of Chicago, Illinois for Main Pump Station MCC replacement in an amount of $238,000 plus $12,000 contingency.