



Legislation Details (With Text)

File #: 19-3010 **Name:** AUTHORIZATION TO AWARD A TASK ORDER TO PROVIDE ENGINEERING CONSULTING SERVICES FOR THE WATER RECLAMATION FACILITY (WRF) PROCESS, INSTRUMENTATION AND CONTROL DIAGRAMS FUNCTIONAL CONTROL

Type: Purchasing/Contract **In control:** Village Council

On agenda: 8/13/2019 **Final action:**

Title: AUTHORIZATION TO AWARD A TASK ORDER TO PROVIDE ENGINEERING CONSULTING SERVICES FOR THE WATER RECLAMATION FACILITY (WRF) PROCESS, INSTRUMENTATION AND CONTROL DIAGRAMS FUNCTIONAL CONTROL

Code sections:

Attachments: 1. 1. Work Order 16 - P&IDs and Func Cont Desc

Date	Ver.	Action By	Action	Result
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ITEM: AUTHORIZATION TO AWARD A TASK ORDER TO PROVIDE ENGINEERING CONSULTING SERVICES FOR THE WATER RECLAMATION FACILITY (WRF) PROCESS, INSTRUMENTATION AND CONTROL DIAGRAMS FUNCTIONAL CONTROL

REQUEST: Authorization to approve a task order to Hazen and Sawyer, P.C. to provide engineering consulting services for the WRF Process, Instrumentation, and Control Diagrams Functional Control, at a cost of \$119,712.

EXPLANATION: On August 8, 2017, Council awarded an engineering contract (004-17/DZ) to multiple vendors. As part of the solicitation, Hazen and Sawyer, P.C. was selected as one of the Village’s engineering service providers. Staff is seeking authorization to utilize such contract with Hazen and Sawyer, P.C. to provide engineering consulting services for WRF Process, Instrumentation and Control Diagrams Functional Control.

The Utility Department is in the design phase to replace the Process Logic Controllers (PLCs) at the Water Reclamation Facility. These PLCs control all plant functions and are vital to plant operations and monitoring. In order to complete the PLC upgrade, re-programming the new PLCs to continue to perform the monitoring and control functions, is required. Under this work authorization, Hazen and Sawyer will develop the control logic strategies by collecting and reviewing existing process instrumentation and control diagrams, process and control system databases, supervisory control and data acquisition screens, and all input and output from the numerous instruments and devices located at the Water Reclamation Facility.

The deliverable will include 13 process control packages consisting of 65 Functional Control Descriptions. These deliverables will be used by the PLC Installation Contractor to program the new PLCs.

Staff recommends awarding a task order to Hazen and Sawyer, P.C. to provide engineering consulting services for the WRF Process, Instrumentation and Control Diagrams Functional Control at a cost of \$119,712.

BUDGET AMENDMENT REQUIRED: NO

PUBLIC HEARING: NO

QUASI-JUDICIAL:

FIRST READING:

SECOND READING:

LEGAL SUFFICIENCY: YES

FISCAL IMPACT: Funds for this project are available in the Water Reclamation Facility PLC Replacement Project CUT 19004.2.

WELLINGTON FUNDAMENTAL: Responsive Government

RECOMMENDATION: Authorization to approve a task order to Hazen and Sawyer, P.C. to provide engineering consulting services for WRF Process, Instrumentation, and Control Diagrams Functional Control, at a cost of \$119,712.