



Meeting Date: August 25, 2022 **Agenda Type:** Consent Items for Action

From: Justin Stroupe **Reviewed by:** Greg Brown
Systems Control Manager Chief Technology Officer

Submitted by: Greg Brown **Approved by:** Ian Taylor
Chief Technology Officer Chief Executive Officer

RECOMMENDED ACTION: Authorize CEO to Negotiate and Execute a Professional Services Agreement with Signature Automation, LLC for the Water and Wastewater SCADA Master Plan

BACKGROUND

New Braunfels Utilities (“NBU”) currently relies on a Supervisory Control and Data Acquisition (“SCADA”) system to automate many of the processes that govern the operational management of the water and wastewater systems. The existing Water and Wastewater SCADA system was installed over thirty (30) years ago and is now considered a legacy system. With the massive growth of the community and anticipated continual increases in the customer base, NBU staff has identified the need to replace the current Water and Wastewater SCADA system with a more modern, scalable solution.

This Professional Services Agreement (the “Agreement”) with Signature Automation, LLC (“Signature Automation”) provides all labor, material, and equipment necessary to (i) evaluate the conditions of the existing water and wastewater SCADA system to identify gaps in NBU’s current processes and workflows, (ii) develop a SCADA Master Plan to upgrade NBU’s SCADA system, guide NBU for future growth, and establish best practices for SCADA systems, (iii) generate a comprehensive SCADA governance document that includes Human Machine Interface programming standards, (iv) provide electrical and instrumentation related engineering design standards for lift stations, pump stations, elevated storage, treatment plants, and flowmeters, (v) provide recommendations for cyber and physical security following an assessment, and (vi) manage the overall project schedule (the “Project”). The Project is broken down into five phases, and staff anticipates completion in October of 2023.

NBU staff requests that the Board of Trustees approve the Agreement with Signature Automation for the Project.

This item is being presented to the Board because the total amount of the agreement exceeds \$250,000.

FINANCIAL IMPACT

The total financial impact of the Agreement with Signature Automation for the Project is \$773,615.00. The Project is budgeted within the fiscal year 2022 through fiscal year 2023 NBU Board approved Support Services Capital Projects Budget.

LINK TO STRATEGIC PLAN

Recognized as a Trusted Community Partner Dedicated to Excellence in Service

Maintain Organizational Reliability and Resiliency

Provide a Safe and Secure Environment

EXHIBITS

1. Professional Services Agreement with Signature Automation