
Date: September 18, 2024

To: The Honorable Board of Directors

From: Shivaji Deshmukh, General Manager

Committee: No Committee Review

Staff Contact: Christiana Daisy, Deputy General Manager

Subject: Award Construction Contract for RP-1 DeviceNet Replacement

Executive Summary:

DeviceNet is an industrial communication protocol currently used throughout RP-1; however, the current RP-1 SCADA Migration Project is upgrading RP-1's current SCADA system to a single, integrated plant-wide Rockwell PlantPAx 5.0 Distributed Control System.

The new technology installed as part of the RP-1 SCADA Migration Project will not support DeviceNet. DeviceNet is becoming obsolete and better protocols such as Ethernet are available. The option of adding the DeviceNet replacement to the RP-1 SCADA Migration Project was evaluated however it would have significantly delayed the project schedule. The purpose of this project is to replace all devices using DeviceNet at RP-1.

On May 21, 2024, IEUA issued an invitation for bids to the under \$2,000,000 pre-qualified contractors. On July 23, 2024, IEUA received three construction bids. LEED Electric, Inc. was deemed the lowest responsive, responsible bidder with a bid price of \$1,661,810. The Engineer's estimate was \$1,800,000.

Staff's Recommendation:

Staff recommends that the Board:

1. Award a construction contract for the RP-1 DeviceNet Replacement, Project No. EN23000, to LEED Electric, Inc. in the amount of \$1,661,810; and
2. Authorize the General Manager to execute the contract, subject to non-substantive changes.

Budget Impact *Budgeted (Y/N): Y Amendment (Y/N): N Amount for Requested Approval 1,661,810*

Account/Project Name: EN23000.00/RP-1 DeviceNet Replacement Project

Fiscal Impact (explain if not budgeted):

The DeviceNet Replacement Project has an approved Fiscal Year 2024/25 budget of \$1,000,000 and an approved total project budget of \$4,246,416 in the Regional Wastewater Operations and Maintenance (10800) Fund. This action is covered by the approved budget. The funding source for the project includes sewer rates, property taxes, and capital replacement reserves.

Regional Sewerage *Technical Committee (Y/N):*

Policy Committee (Y/N):

Prior Board Action:

On February 15, 2023, the Board of Directors awarded consulting engineering services for RP-1 DeviceNet Replacement, Project No. EN23000, to Eramosa International Inc. for the not-to-exceed amount of \$465,918.

Environmental Determination:

Not Applicable

Attachments:

Attachment 1 - [PowerPoint](#)

Attachment 2 - [Contract](#)