



## Legislation Details (With Text)

**File #:** 21-0553      **Version:** 1

**Type:** Procurement Award      **Status:** Passed

**File created:** 4/21/2021      **In control:** City Council

**On agenda:** 6/1/2021      **Final action:** 6/1/2021

**Title:** Approve the award of Bid 21-145, Water Supply SCADA PLC Upgrades, to Advanced Automation & Controls, Inc. for an amount not to exceed \$214,797.37

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:** 1. WU033 CIP

| Date     | Ver. | Action By    | Action   | Result |
|----------|------|--------------|----------|--------|
| 6/1/2021 | 1    | City Council | approved |        |

### CITY COUNCIL AGENDA ITEM

#### **ACTION REQUESTED:**

Approve the award of Bid 21-145, Water Supply SCADA PLC Upgrades, to Advanced Automation & Controls, Inc. for an amount not to exceed \$214,797.37

**DEPARTMENT:** Water Utilities

**SUBMITTED BY:** Darrell Blenniss, Director

#### **BOARD/COMMISSION REVIEW:**

N/A

#### **BACKGROUND:**

The Water Utilities uses Allen-Bradley SLC programmable logic controllers (PLCs) to operate, maintain, and automate the water supply systems. The current PLCs were installed in 1998 and are near the end of their service life, which makes them prone to failure and more expensive to maintain. In 2017, the wastewater collection system replaced all Allen-Bradley SLC PLCs with new Allen-Bradley ControlLogix programmable automation controller (PACs). Bid 21-145 will allow the water supply system to upgrade to the same PAC system used for the wastewater collection system.

In April 2021, the Water Utilities issued Bid 21-145, Water Supply SCADA PLC Upgrades. The contractor will replace the existing Allen-Bradley SLC PLC systems with Allen-Bradley Control Logix and Compact Logix PAC systems at seven water supply stations and elevated storage tanks. The bid also includes installation of backup PLCs for redundancy along with updating all SCADA screens to improve operation and automation of the water supply sites.

#### **DISCUSSION:**

Advertisement Date: 4/15/2021

Notices Sent: 171

Opening Date: 5/13/2021

Planholders: 51

Proposals Received: 4

| Firm Name                            | Cost Proposed |
|--------------------------------------|---------------|
| Advanced Automation & Controls, Inc. | \$214,797.37  |
| <i>Engineers Estimate</i>            | \$260,845.40  |
| Baxter & Woodman                     | \$309,020.00  |
| Wunderlich Malec Services            | \$393,169.00  |

One vendor, Allan Integrated Control Systems Inc., provided a cost proposal of \$262,586.75, but did not include required supporting bid documents. The vendor was deemed non-responsive.

Authorized Allen-Bradley installers receive reduced pricing on all Allen-Bradley products. The engineer's estimate used list pricing for these products, which is why some bids are lower than the engineer's estimate.

The completion date of the contract is October 1, 2021.

**FISCAL IMPACT:**

CIP: WU033

SCADA improvements and upgrades are expensed to the infrastructure account listed below, as part of the annual capital improvement program. A total of \$100,000 is budgeted for WU033 in 2021. The remainder of this award will be funded through underspend in WU004, which is for improvements to the water distribution system.

| Account Number  | Fund Description      | Total Budget Amount |
|-----------------|-----------------------|---------------------|
| 41251500-551502 | Water/Wastewater Fund | \$26,743,950        |