

CITY OF HIGH POINT

AGENDA ITEM



**Title: Westside WWTP SCADA Upgrade
Piedmont Automation, Inc.**

From: Terry Houk – Public Services Director
Derrick Boone – Public Services Asst. Director
Nawfal Shujaa – Project Engineer

Meeting Date: June 21, 2021
Bid Number: 16-052621
Advertising Date:
Advertised By:

Public Hearing: N/A

Attachments: A) Bid Tabulation Form
B) Bid Recommendation Form

PURPOSE:

To replace the outdated SCADA (supervisory control and data acquisition) system at the Westside Wastewater Treatment Plant.

BACKGROUND:

The Westside Wastewater Treatment Plant (WWTP) is located west of High Point and north of Thomasville, The Westside WWTP is one of the two wastewater treatment facilities owned and operated by the City. A SCADA system allows wastewater operators to perform the following:

- Control wastewater treatment processes locally or at remote locations
- Monitor, gather, and process real-time data
- Directly interact with devices such as sensors, valves, pumps, motors, and more through human-machine interface (HMI) software
- Record events into a log file

The existing SCADA system is outdated, and it is difficult to find the required parts for the old computers which resulted in an increase in cost and efforts to operate and maintain the system. The scope of the project will include new computer and software installation, programming, modifications, commissioning and testing of Westside WWTP SCADA system, investigation of the existing system, plant hardware communication functionality and limited demolition to the old electrical equipment. The bids were opened on June 2, 2021. The Purchasing Division received five conforming bid packages and Piedmont Automation was the lowest responsive bidder.

BUDGET IMPACT:

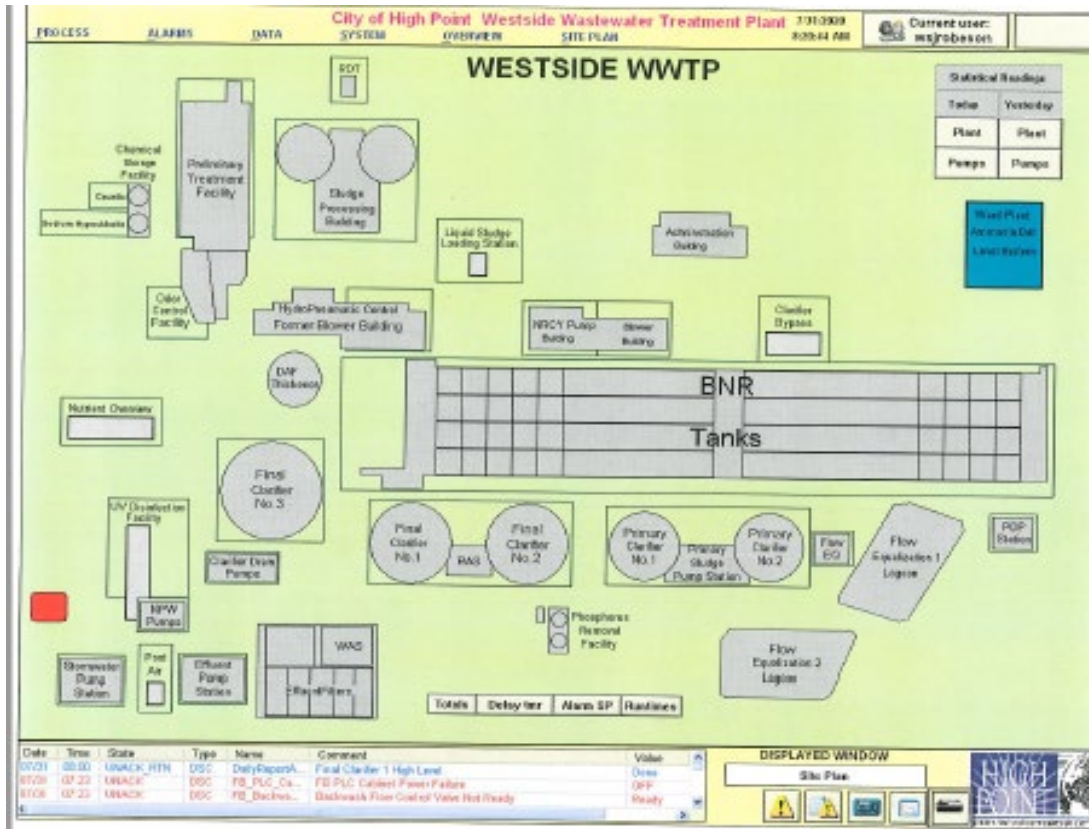
Funds for this project are available in the 2021-2022 Budget.

RECOMMENDATION / ACTION REQUESTED:

The Public Services Department recommends approval and asks for the Council to award the contract to Piedmont Automation, Inc. in the amount of \$ 230,400.



Outdated SCADA computers and communication connections



WESTSIDE WWTP SCADA screen sample

STURGILL ENGINEERING P.A.

June 2, 2021

Mr. Eric Conti
City of High Point
Purchasing Division
P.O. Box 230
High Point, NC 27261

Re: Westside WWTP SCADA Upgrade

Dear Mr. Conti:

Bids were received on June 2, 2021, for the above referenced project. A total of five (5) conforming bid packages were submitted and read along with one (1) non-conforming bid package. The sign-in sheet and a certified bid tabulation are attached.

After review and consideration of the bids submitted, I recommend acceptance of the lowest bid by Piedmont Automation in the amount of \$230,400.00.

Please feel free to call with any questions or comments.

Sincerely,



Randall W. Sturgill, PE
Sturgill Engineering, PA

City of High Point

211 S. Hamilton Street

High Point, NC 27260

Tel: 336-883-3222

TABULATION OF BIDS**Bid No: 16-052621****Project Name: Westside WWTP SCADA Upgrade****Bid Due Date/Time: June 2, 2021 - 2:00 PM**

Bidder	SCADA Software Selected: 1. AVEVA System Platform 2. Ignition by Inductive Automation 3. VTScada by Trihedral	Base Bid Amt.	High Performance Adder	Lump Sum Amt. (Base Bid & HP Adder)	Maintenance Price Fixed for 5 Yrs.	Total (Lump Sum & Maintenance Price)	Bid Bond Attached & Addendum Acknowledged
CITI, LLC	Ignition	\$ 248,721.00	\$ 38,210.00	\$ 286,931.00	\$ 18,268.00	\$ 305,199.00	Y
Piedmont Automation #1	VTScada	\$ 226,900.00	\$ 2,400.00	\$ 229,300.00	\$ 22,300.00	\$ 251,600.00	Y
Lord & Company	Ignition	\$ 282,200.00	\$ 0.00	\$ 282,200.00	\$ 77,900.00	\$ 360,100.00	Y
Custom Controls Unlimited, LLC	VTScada	\$ 283,000.00	\$ 300.00	\$ 283,300.00	\$ 29,000.00	\$ 312,300.00	Y
Piedmont Automation #2	Ignition	\$ 204,700.00	\$ 2,400.00	\$ 207,100.00	\$ 23,300.00	\$ 230,400.00	Y
Rovisys	-	-	-	-	-	-	N

I certify that this is a true tabulation of bids received.



 (Signature)



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT:

COUNCIL AGENDA DATE:

BID NO.:

CONTRACT NO.:

DATE OPENED:

DESCRIPTION:

PURPOSE:

COMMENTS:

RECOMMEND AWARD TO:

AMOUNT:

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
TOTAL BUDGETED AMOUNT				

DEPARTMENT HEAD:

DATE:

**The Purchasing Division concurs with recommendation submitted by the
award to the lowest responsible, responsive bidder**

**and recommends
in the amount of \$.**

PURCHASING MANAGER:

DATE:

Approved for Submission to Council

FINANCIAL SERVICES DIRECTOR:

DATE:

CITY MANAGER:

DATE: