

RESOLUTION NO. 2014-218

A RESOLUTION AWARDED A CONTRACT TO CG AUTOMATION SOLUTIONS USA, SPRINGFIELD, NJ FOR COMPLETION OF SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) SYSTEM REPLACEMENT FOR THE VINELAND MUNICIPAL UTILITIES.

WHEREAS, the City of Vineland has heretofore advertised for bids for Completion of Supervisory Control and Data Acquisition (SCADA) System Replacement for the Vineland Municipal Utilities, in accordance with specifications on file in the office of the Purchasing Agent; and

WHEREAS, on April 8, 2014, bids were received, duly opened and read aloud, being referred to the Business Administrator for tabulation, evaluation, report and recommendation; and

WHEREAS, the Business Administrator has, under date of May 20, 2014 submitted a written report and tabulation of the bids received and has recommended that a contract for Completion of Supervisory Control and Data Acquisition (SCADA) System Replacement for the Vineland Municipal Utilities, be awarded to CG Automation Solution USA, Springfield, NJ, in the amount of \$758,906.00 plus a 15% contingency in the amount of \$113,835.00 for a total award amount of \$872,741.00, and reserving the right to award optional pricing, as listed in Appendix 6 Section 4b (B1 – B11), in the amount of \$165,769.00, to remain in effect for a period of 180 days after Notice to Award, said bid being the lowest bid received and considered in the best interest of the City of Vineland; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland that said contract for Completion of Supervisory Control and Data Acquisition (SCADA) System Replacement for the Vineland Municipal Utilities, be awarded to CG Automation Solution USA, Springfield, NJ, be and the same is awarded to CG Automation Solution USA, Springfield, NJ, in the amount of \$758,906.00 plus a 15% contingency in the amount of \$113,835.00 for a total award amount of \$872,741.00, and reserving the right to award optional pricing, as listed in Appendix 6 Section 4b (B1 – B11), in the amount of \$165,769.00, to remain in effect for a period of 180 days after Notice to Award, said bid being the lowest bid received and considered in the best interest of the City of Vineland, and the Purchasing Agent be and the same is hereby authorized and directed to issue purchase order contract for the same in behalf of the City; and

BE IT FURTHER RESOLVED that the City Comptroller has certified that the funds for the contract to be awarded herein are available.

Adopted:

ATTEST:

President of Council

City Clerk



May 20, 2014

REPORT TO: THE MAYOR AND COUNCIL

RE: Proposals Submitted to the Purchasing Board on 4/8/ & 4/22/14

Dear Mayor and Members of Council:

Submitted to you herewith for your consideration is our evaluation of the proposals submitted to the Purchasing Board on April 8, and April 22, 2014.

COMPLETION OF SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) SYSTEM REPLACEMENT FOR THE VINELAND MUNICIPAL UTILITIES

It is the recommendation of the Director of Electric Utility, which has the concurrence of the Business Administrator, and the Purchasing Agent that a contract be awarded to the low bidder, CG Automation Solution USA, Springfield, NJ, in the amount of \$758,906.00 plus a 15% contingency in the amount of \$113,835.00 for a total award amount of \$872,741.00, and reserving the right to award optional pricing, as listed in Appendix 6 Section 4b (B1 – B11), in the amount of \$165,769.00, to remain in effect for a period of 180 days after Notice to Award.

FURNISHING AND DELIVERY OF LAMPS, HIGH INTENSITY DISCHARGE FOR THE VINELAND MUNICIPAL ELECTRIC UTILITY DISTRIBUTION DIVISION, FOR A PERIOD OF ONE YEAR FROM DATE OF AWARD, WITH OPTION FOR A SECOND YEAR

It is the recommendation of the Director of Electric Utility, which has the concurrence of the Business Administrator, and the Purchasing Agent that open-end contracts be awarded on an individual Part basis to the respective low bidders as provided in the specifications as follows:

PART A: High Pressure Sodium Vapor Lamps - Long Life, Instant Restrike) –	Total \$5,723.74
PART D: Metal Halide Lamps – Pulse Start -	Total \$ 252.90
PART F: Incandescent Traffic Lamp – 130 Volt - CLEAR	Total \$ 755.00
WESCO Distribution, Richmond, VA	
<u>PART B: Metal Halide Lamps – Standard (Probe Start) –</u>	<u>Total \$1,647.98</u>
Rumsey Electric, Conshohocken, PA	
<u>PART C: Metal Halide Lamps – TCLP Compliant (Probe Start) -</u>	<u>Total \$ 164.40</u>
Irby Company, Liverpool, NY	
<u>PART E: High Pressure Sodium Vapor Lamps – Standard -</u>	<u>Total \$ 169.20</u>
Graybar Electric Co., Teterboro, NJ	



FURNISHING AND DELIVERY OF GROUPED WAREHOUSE MATERIALS #2014-A FOR THE VINELAND MUNICIPAL ELECTRIC UTILITY – DISTRIBUTION DIVISION, FOR A PERIOD OF ONE YEAR FROM DATE OF AWARD, WITH AN OPTION FOR A SECOND YEAR

It is the recommendation of the Director of Electric Utility, which has the concurrence of the Business Administrator, and the Purchasing Agent that open end contracts be awarded on an individual line item basis to the respective low bidders as provided in the specifications as follows:

Groups A (partial award), J (partial award), K, & Q – Estimated Total \$14,371.86
Irby Company, Liverpool, NY

Groups A (partial award), B, C, D, E-1, E-2, F, G, H, I, J (partial award), L, N, O, P, R – Estimated Total \$109,148.06
HD Supply, New Castle, DE

Groups A (partial award), & M – Estimated Total \$11,260.00
Rumsey Electric, Conshohocken, PA

CONSTRUCTION SERVICES FOR SCR INSTALLATION FOR THE VINELAND MUNICIPAL ELECTRIC UTILITY

It is the recommendation of the Director of Electric Utility and the City’s consultants, which has the concurrence of the Business Administrator, and the Purchasing Agent that a contract be awarded to the low bidder, TN Ward Company, Ardmore, PA, in the amount of \$2,860,000.00, plus a 15% contingency, in the amount of \$429,000.00 for a total award amount of \$3,289,000.00.

We trust that the above recommendations will receive your favorable consideration and that the recommended resolutions will be adopted as presented.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "William Lutz", is written over the typed name and title. The signature is fluid and extends to the right.

William Lutz
Business Administrator

/wr
Encls.



BID EVALUATION FORM

RECEIVED
MAY 07 2014
CITY OF VINELAND
PURCHASING DEPT.

DEPARTMENT EU Distribution

Date: 5/6/14

The undersigned recommends that a contract be awarded for the following:

- 1. Bid Title: SCADA System Replacement
- 2. Amount to be Awarded: 1,038,510.00 (758,906 + 113,835 + 165,769) *

- Encumber Total Award
- Encumber by Supplemental Release

15% Contingency

Options B1-
B91

* reserve the right to award optional pricing, as listed on Appendix 6 Section 4b, to remain in effect for a period of 180 days after Notice to Award

- 3. Engineer's Estimate: 1,017,000.00
- 4. Amount Budget: \$ 1,200,000.00
- 5. Account Number to be Charged: 022-0-00-00-0000-2-7511400

RECEIVED
MAY 13 2014
CITY OF VINELAND
BUSINESS ADMIN.

- 6. Date Bids Received: 4/8/14
- 7. Date to be Awarded: 5/27/14

8. Recommended Vendor: CG Automation Solutions USA

9. Is Recommended Vendor the Apparent Lowest Bidder? Yes No

10. Comments/Special Instructions: Do not show contingency on contract

11. Evaluation Performed by: T. Dunmore, J. Lawrence, D. Gordon

Handwritten signatures and initials

12. Approved By: [Signature]

13. Attached: (Check-Off List)

- Tabulation of Bids
- Justification for Vendor Recommendation (if applicable)
- Evaluation Data (if applicable)

Send copies to:
Purchasing Division
Business Administration

VMEU Scada Vendor Assessment

ITEM	DESCRIPTION	CG Automation	SEL	Cost Estimate	Cost Estimate with Contingency
		LUMP-SUM CONTRACT PRICE	LUMP-SUM CONTRACT PRICE	LUMP-SUM CONTRACT PRICE	LUMP-SUM CONTRACT PRICE
A1.	Furnish Primary Master Station and two (2) operator consoles, to be installed in operation center, as specified in the Contract documents.	\$119,315	\$133,144	\$475,000	\$522,500
A2.	Furnish Back-up Master Station and two (2) operator consoles, to be installed in power plant control room, as specified in the Contract documents.	\$80,422	\$94,829		\$0
A3.	Convert existing VMEU database in its entirety to conform to newly furnished Master Stations as specified in the Contract documents.	\$53,980	\$33,925		\$0
A4.	Station A: Remove existing C3-ilex RTUs and install and test new SCADA system.	\$46,823	\$67,690	\$80,000	\$88,000
A5.	Station C: Reconfigure existing RTUs and test new SCADA system.	\$19,393	\$28,247	\$20,000	\$22,000
A6.	Station D: Remove existing C3-ilex RTUs and install and test new SCADA system.	\$29,135	\$59,118	\$40,000	\$44,000
A7.	Station E: Remove existing C3-ilex RTUs, reconfigure RTUs to remain, and install and test new SCADA system.	\$34,491	\$62,888	\$45,000	\$49,500
A8.	Station F: Reconfigure existing RTUs and test new SCADA system.	\$19,393	\$28,247	\$8,500	\$9,350
A9.	Station G: Remove existing C3-ilex RTUs, reconfigure RTUs to remain, and install and test new SCADA system.	\$33,936	\$59,187	\$45,000	\$49,500
A10.	Station H: Remove existing C3-ilex RTUs, reconfigure RTUs to remain, and install and test new SCADA system.	\$29,468	\$28,247	\$45,000	\$49,500
A11.	Station I: Remove existing C3-ilex RTUs, reconfigure RTUs to remain, and install and test new SCADA system.	\$30,301	\$28,247	\$50,000	\$55,000
A12.	Station K: Remove existing C3-ilex RTUs and install and test new SCADA system.	\$26,506	\$50,462	\$20,000	\$22,000
A13.	Station P: Reconfigure existing RTUs and test new SCADA system.	\$19,393	\$28,247	\$8,500	\$9,350
A14.	Q1000 Meter Replacements	\$132,090	\$238,935	\$150,000	\$165,000
A15.	Price for complete on-site operator console training program for ten (10) VMEU operators. Three (3) separate training sessions (during normal business hours) to cover all operator shifts will be required.	\$23,400	\$8,748	\$30,000	\$33,000
A16.	Price for complete on-site Administrator training program for four (4) VMEU employees.	\$32,790	\$10,925		\$0
A17.	Price for complete on-site Engineer training program for four (4) VMEU employees.	\$18,705			\$0
A18.	Price for on-site refresher training six (6) months after the entire SCADA system is in service. This training will be for potentially fourteen (14) VMEU employees.	\$9,365	\$3,029		\$0
TOTAL LUMP SUM BID PRICE (ITEMS A1 THROUGH A17):		\$758,906	\$964,115	\$1,017,000	\$1,118,700
ITEM	DESCRIPTION	LUMP-SUM CONTRACT PRICE	LUMP-SUM CONTRACT PRICE	LUMP-SUM CONTRACT PRICE	LUMP-SUM CONTRACT PRICE
B1.	Adjust Contract Price for optional Load Control and Load Management Module.	\$17,487	\$25,139	\$30,000	\$33,000
B2.	Adjust Contract Price for optional Test Master Station.	\$78,701	\$48,495	\$50,000	\$55,000
B3.	Adjust Contract Price for optional Network Wall-Mounted System Monitor.	\$26,933	\$44,520	\$20,000	\$22,000
B4.	Adjust Contract Price for optional Integration with ESRI GIS.		\$31,908	\$10,000	\$11,000
B5.	Adjust Contract Price for optional Voltage Management.	Included in B1	\$12,040	\$45,000	\$49,500
B6.	Adjust Contract Price for optional Short-Term Load Forecasting.	Included in B1	\$18,975	\$20,000	\$22,000
B7.	Adjust Contract Price for optional Power Factor Control Program.	Included in B1	\$12,933	\$45,000	\$49,500
B8.	Adjust Contract Price for optional Distribution Automation Application.	\$14,987	\$71,829	\$50,000	\$55,000
B9.	Adjust Contract Price for optional Pole Top Re-closer and Capacitor Bank Control.	Included in B1		\$30,000	\$33,000
B10.	Adjust Contract Price for optional UPS without Emergency Generation.	\$12,086	\$2,990		\$0
B11.	Recommended Spare Parts	\$15,575			\$0
TOTAL PRICE OPTIONS (ITEMS B1 THROUGH B10):		\$165,769	\$268,829	\$300,000	\$330,000
GRAND TOTAL PRICE OPTIONS A and B		\$924,675	\$1,232,944	\$1,317,000	\$1,448,700

187

TABULATION OF BIDS
SUPERVISORY CONTROL AND DATA ACQUISITION
(SCADA)
SYSTEM REPLACEMENT
APRIL 8, 2014

Engineer's Estimate \$1,017,000.00

REVISED 4-22-14 YL *

	CG AUTOMATION SOLUTIONS USA 60 FADEM ROAD SPRINGFIELD, NJ 07081	SCHWEITZER ENGINEERING LABORATORIES, INC. 2350 HOPKINS COURT PULLMAN, WA 99163
P;		
BB, CAC, CEC	\$20,000.00	BB 10%
Surety	YES	YES
Corp. Discl.	YES	YES
Affir. Action Reg.	YES	YES
Non-Collusion	YES	YES
Check List	YES	YES
Proposal	YES	YES
Subcontractors	YES	YES
Acknowledgement of Addenda	YES	YES
Iran Disclosure	YES	YES
Appendix 5 & 6	YES	YES
TOTAL	\$758,906.00	*\$964,115.00

Specifications also received by:

- Survalent Technology
- Scalfo Electric
- Efacec ACS, Inc.
- RSI
- Schneider Electrical
- Telescada

**Vineland Municipal Electric Utility VMEU SCADA
System Replacement Specification Executive Summary**

Scope of Work Summary

This full turnkey specification is for all of the final engineering, supply, installation, and integration of a fully functional and performance tested Supervisory Control And Data Acquisition system (SCADA system), that is open protocol dependent, secure, compliant with NERC security standards, and redundant. The new SCADA system will be furnished of new and unused parts only, and will allow information gathering as well as control to all of VMEU's current substations, generation stations, and future sub stations and generators.

Related Projects affected

This project will directly affect the operation of all generators, and all system equipment at sub-transmission voltages. Upon this projects completion, VMEU will have in place the infrastructure to properly and securely share system its critical system information with PJM Interconnection, as well as Atlantic City Electric/PHI. This projects completion will also increase system reliability, compatibility, and security by providing real time telemetry at the substation level, and allow for future reliability related upgrades to substations to be completed. Finally, this project will better VMEU's ability to gather and study information related to renewable energy sources such as solar arrays.

Engineer's Estimate

See Below