

CITY OF HIGH POINT

AGENDA ITEM



Title: Burton Substation Equipment
& Station Transformers - Bid #03-080919

From: Garey S. Edwards, Electric Utilities Director

Meeting Date: September 16, 2019

Public Hearing: N/A

Advertised By: N/A

Attachments: Attachment A: Southeastern Engineers Bid Recommendation
Attachment B: Southeastern Engineers Tabulation

PURPOSE:

Purchasing this equipment will allow the City to upgrade existing substations and increase the electric system's capacity.

BACKGROUND:

The Substation Structure, Circuit Switchers, 15 kV Breakers, Relay/Control Panels and one of the Power Transformers are to be used at our Burton Substation for the 69 to 100 kV upgrade. The other two Power Transformers are to be used to replace units at our Fairfield and Jackson Lake Substations.

BUDGET IMPACT:

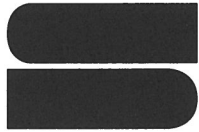
Funds are available in the 2019-20 budget to cover this project.

RECOMMENDATION / ACTION REQUESTED:

Award to the following five (5) companies:

Schedule I - Substation Structure	Distran Packaged Systems	\$390,510.00
Schedule II - Circuit Switchers	R.W. Chapman & Co.	\$100,144.00
Schedule III - 15 kV Circuit Breakers	Siemens Industry, Inc.	\$230,761.00
Schedule IV - Relay & Control Panels	Birmingham Control Systems	\$99,995.00
Schedule V - Power Transformers	Virginia Transformer Corp.	\$2,030,067.00





Southeastern Consulting Engineers, Inc.

August 20, 2019

Mr. Garey Edwards, PE
City of High Point
P.O. Box 230
High Point, North Carolina 27261

Ref.: Substation Equipment

Dear Garey:

The City received sealed proposals on August 9, 2019, from fifteen suppliers solicited for providing substation equipment that will be installed at the City's substations. Each bid was reviewed for compliance with the technical specifications and purchase price. Based on the preceding factors, the following vendors submitted the lowest responsive and compliant bid:

Schedule I - Substation Structure

Distran Packaged Substations

4725 Highway 28 E

Pineville, LA 71360

Proposal #Q19747

Total Lump Sum Bid \$390,510.00

Delivery: 16 Weeks

Schedule II - Circuit Switchers

R.W. Chapman & Company

P.O. Box 240748

Charlotte, NC 28224

Delivery: 18 Weeks

Description	Quantity	Unit Price	Total Price
S&C No. 598738BE8HIKMNRTT2VY	2	\$50,072.00	\$100,144.00

Schedule III - 15 kV Circuit Breakers

Siemens Industry, Inc.
7000 Siemens Road
Wendell, NC 27591
Order #SF191429759
Delivery: 16-18 Weeks

Description	Quantity	Unit Price	Total Price
SDV-SE-15.5kV-20kA-2000A	1	\$18,481.00	\$18,481.00
SDV-SE-15.5kV-20kA-1200A	5	\$15,938.00	\$79,690.00
Total Bid			\$98,171.00

Schedule IV - Relay & Control Panels

Birmingham Control Systems, Inc.
3779 Pine Lane
Bessemer, AL 35022
Quote #Q19158
Delivery: 12-14 Weeks
Total Lump Sum Bid: \$99,995.00

Schedule V - Power Transformers

Virginia Transformer Corporation
220 Glade View Drive
Roanoke, VA 24012
Proposal #G192901A
Delivery: 30-32 Weeks

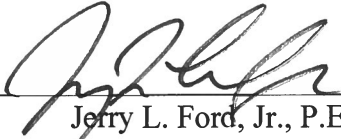
Description	Quantity	Unit Price	Total Price
22.4/29.87/37.33 MVA Transformer	3	\$676,689.00	\$2,030,067.00

The Total cost for the five recommended schedules is \$2,718,887.00. We recommend that the City accept the proposals and issue a purchase order to the above Vendors. If you have any questions, please do not hesitate to contact us.

Very truly yours,

SOUTHEASTERN CONSULTING ENGINEERS, INC.

By

A handwritten signature in black ink, appearing to read "J. L. Ford, Jr.", written over a horizontal line.

Jerry L. Ford, Jr., P.E.
Senior Design Engineer

JLF/lc

BID TABULATION**Substation Equipment**

Bid No. 03-080919

City of High Point
High Point, North Carolina

Date: August 9, 2019Time: 1:00 PM, EST

	<u>Distran</u>	<u>Substation Enterprises, Inc.</u>	<u>Peak Substations</u>	<u>MD Henry</u>
<u>Schedule I - Bidder</u>				
Substation Structures and				
Appurtenances (1)	\$ <u>390,510.00</u>	\$ <u>439,718.00</u>	\$ <u>450,400.00</u>	\$ <u>507,430.00</u>
Delivery:	<u>16 Weeks</u>	<u>18-20 Weeks</u>	<u>17-19 Weeks</u>	<u>22-24 Weeks</u>
Bid Bond	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>
<u>Schedule II - Bidder</u>	<u>R.W. Chapman & Co.</u>			
Circuit Switcher (2)	\$ <u>100,144.00</u>			
Manufacturer:	<u>S&C Electric</u>			
Delivery:	<u>18 Weeks</u>			
Bid Bond	<u>Yes</u>			
<u>Schedule III - Bidder</u>	<u>ABB</u>	<u>Myers Controlled Power, LLC</u>	<u>Siemens Industry, Inc.</u>	
Circuit Breaker: 2000A Main (1)	\$ <u>19,856.00</u>	\$ <u>19,460.00</u>	\$ <u>18,481.00</u>	
1200A Feeder (5)	\$ <u>94,306.50</u>	\$ <u>91,045.00</u>	\$ <u>79,690.00</u>	
Total	\$ <u>104,162.50</u>	\$ <u>110,505.00</u>	\$ <u>98,171.00</u>	
Manufacturer:	<u>ABB</u>	<u>Myers</u>	<u>Siemens</u>	
Delivery:	<u>19 Weeks</u>	<u>16-18 Weeks</u>	<u>16-18 Weeks</u>	
Bid Bond	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	
<u>Schedule IV - Bidder</u>	<u>EP2</u>	<u>SEL</u>	<u>BCS</u>	
Relay & Control Panels				
- Lump Sum (4 Panels Total)	\$ <u>117,510.00</u>	\$ <u>119,320.00</u>	\$ <u>99,995.00</u>	
Delivery:	<u>18 Weeks</u>	<u>17 Weeks</u>	<u>12-14 Weeks</u>	
Bid Bond	<u>Yes</u>	<u>Yes</u>		

BID TABULATION (Continued)Substation Equipment
Bid No. 03-080919City of High Point
High Point, North CarolinaDate: August 9, 2019
Time: 1:00 PM, EST

<u>Schedule V - Bidder</u>	<u>Howard Power Solutions</u>	<u>Virginia Transformer Corporation</u>	<u>WEG Transformers</u>	<u>ABB</u>	<u>Delta Star</u>
Power Transformers:					
Unit Price (Less Offloading)	\$ <u> *</u>	\$ <u> 676,689.00</u>	\$ <u> 722,286.00</u>	\$ <u> 691,340.00</u>	\$ <u> 862,889.00</u>
Extended Price (3)	\$ <u> </u>	\$ <u> 2,030,067.00</u>	\$ <u> 2,166,858.00</u>	\$ <u> 2,074,020.00</u>	\$ <u> 2,588,667.00</u>
Manufacturer:	<u> </u>	<u> VTC</u>	<u> WEG</u>	<u> ABB</u>	<u> Delta Star</u>
Delivery:	<u> </u>	<u> 30-32 Weeks</u>	<u> 30-32 Weeks</u>	<u> 28-30 Weeks</u>	<u> 58-62 Weeks</u>
 Bid Bond	 <u> Yes</u>	 <u> Yes</u>	 <u> Yes</u>	 <u> Yes</u>	 <u> Yes</u>
	*Incomplete Proposal, rejected at bid opening				



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Electric**

COUNCIL AGENDA DATE: **September 16, 2019**

BID NO.: **03-080919** CONTRACT NO.: DATE OPENED: **August 9, 2019**

DESCRIPTION:

Steel structural components to be used on the Burton Substation upgrade, form 69 kV to 100 kV

PURPOSE:

Replace old and outdated equipment.

COMMENTS:

RECOMMEND AWARD TO: **Distran Packaged Systems** AMOUNT: **\$390,510.00**

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631001021205	40202	\$390,510.00
TOTAL BUDGETED AMOUNT				\$390,510.00

DEPARTMENT HEAD: **Garey S. Edwards** Digitally signed by Garey S. Edwards Date: 2019.08.21 14:16:09 -04'00' DATE: **August 21, 2019**

The Purchasing Division concurs with recommendation submitted by the **Electric Dept.** and recommends award to the lowest responsible, responsive bidder **Distran** in the amount of \$ **390,510.00**.

PURCHASING MANAGER: **Erik Conti** Digitally signed by Erik Conti Date: 2019.08.22 08:21:00 -04'00' DATE: **August 22, 2019**

Approved for Submission to Council
FINANCIAL SERVICES DIRECTOR: **Bobby Fitzjohn** Digitally signed by Bobby Fitzjohn Date: 2019.08.22 08:43:55 -04'00' DATE: **August 22, 2019**

CITY MANAGER: **Greg Demko** Digitally signed by Greg Demko Date: 2019.09.11 10:46:55 -04'00' DATE: **August 22, 2019**



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: Electric

COUNCIL AGENDA DATE: September 16, 2019

BID NO.: 03-080919 CONTRACT NO.: DATE OPENED: August 9, 2019

DESCRIPTION:

Relay and Control Panels to be used on the Burton Substation upgrade, form 69 kV to 100 kV

PURPOSE:

Replace old and outdated equipment.

COMMENTS:

RECOMMEND AWARD TO: Birmingham Control Systems AMOUNT: \$99,995.00

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631001021205	40202	\$99,995.00
TOTAL BUDGETED AMOUNT				\$99,995.00

DEPARTMENT HEAD: Garey S. Edwards Digitally signed by Garey S. Edwards
Date: 2019.08.21 14:16:09 -04'00' DATE: August 21, 2019

The Purchasing Division concurs with recommendation submitted by the Electric Dept. and recommends
award to the lowest responsible, responsive bidder Birmingham in the amount of \$ 99,995.00.

PURCHASING MANAGER: Erik Conti Digitally signed by Erik Conti
Date: 2019.08.22 08:25:22 -04'00' DATE: August 22, 2019

Approved for Submission to Council
FINANCIAL SERVICES DIRECTOR: Bobby Fitzjohn Digitally signed by Bobby Fitzjohn
Date: 2019.08.22 08:43:06 -04'00' DATE: August 22, 2019

CITY MANAGER: Greg Demko Digitally signed by Greg Demko
Date: 2019.08.22 09:39:29 -04'00' DATE: August 22, 2019



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: Electric

COUNCIL AGENDA DATE: September 16, 2019

BID NO.: 03-080919 CONTRACT NO.: DATE OPENED: August 9, 2019

DESCRIPTION:

100 kV Circuit Switchers to be used on the Burton Substation upgrade, form 69 kV to 100 kV

PURPOSE:

Replace old and outdated equipment.

COMMENTS:

RECOMMEND AWARD TO: R.W. Chapman & Co. AMOUNT: \$100,144.00

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631001021205	40202	\$100,144.00
TOTAL BUDGETED AMOUNT				\$100,144.00

DEPARTMENT HEAD: Garey S. Edwards Digitally signed by Garey S. Edwards
Date: 2019.08.21 14:16:09 -04'00' DATE: August 21, 2019

The Purchasing Division concurs with recommendation submitted by the Electric Dept. and recommends
award to the lowest responsible, responsive bidder R.W. Chapman in the amount of \$ 100,144.00.

PURCHASING MANAGER: Erik Conti Digitally signed by Erik Conti
Date: 2019.08.22 08:22:56 -04'00' DATE: August 22, 2019

Approved for Submission to Council
FINANCIAL SERVICES DIRECTOR: Bobby Fitzjohn Digitally signed by Bobby Fitzjohn
Date: 2019.08.22 08:43:27 -04'00' DATE: August 22, 2019

CITY MANAGER: Greg Demko Digitally signed by Greg Demko
Date: 2019.08.22 09:38:30 -04'00' DATE: August 22, 2019



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **ELECTRIC**

COUNCIL AGENDA DATE: **SEPTEMBER 16, 2019**

BID NO.: **03-080919** CONTRACT NO.: DATE OPENED: **AUGUST 9, 2019**

DESCRIPTION:

15KV Circuit Breakers to be used on the Burton Substation upgrade, form 69 KV to 100KV

PURPOSE:

Replace old and outdated equipment.

COMMENTS:

RECOMMEND AWARD TO: **Siemens Industry , Inc.** AMOUNT: **\$230,761.00**

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631001021205	40202	\$230,761.00
TOTAL BUDGETED AMOUNT				\$230,761.00

DEPARTMENT HEAD: **Tyler Berrier** Digitally signed by Tyler Berrier
DN: cn=Tyler Berrier, o=City of High Point, ou=Electric
Utilities, email=Tyler.Berrier@highpointnc.gov, c=US
Date: 2019.09.10 15:38:37 -04'00' DATE: **August 21, 2019**

The Purchasing Division concurs with recommendation submitted by the **Electric Dept.** and recommends award to the lowest responsible, responsive bidder **Siemens Industry** in the amount of \$ **230,761.00**.

PURCHASING MANAGER: **Erik Conti** Digitally signed by Erik Conti
Date: 2019.09.10 16:36:52 -04'00' DATE: **Septemeber 10,2019**

Approved for Submission to Council
FINANCIAL SERVICES DIRECTOR: **Bobby Fitzjohn** Digitally signed by Bobby Fitzjohn
Date: 2019.09.11 08:11:15 -04'00' DATE: **Septemeber 11,2019**

CITY MANAGER: **Greg Demko** Digitally signed by Greg Demko
Date: 2019.09.11 10:32:38 -04'00' DATE: **September 11, 2019**



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Electric**

COUNCIL AGENDA DATE: **September 16, 2019**

BID NO.: **03-080919** CONTRACT NO.: DATE OPENED: **August 9, 2019**

DESCRIPTION:

30 MVA Power Transformers to be used at Burton, Fairfield and Jackson Lake Substations.

PURPOSE:

Replace old and outdated equipment.

COMMENTS:

RECOMMEND AWARD TO: **Virginia Transformer Corp.** AMOUNT: **\$2,030,067.00**

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631001021205	40202	\$676,689.00
431799	533701	431201024005	40202	\$676,689.00
631799	533701	631201024305	40202	\$676,689.00
TOTAL BUDGETED AMOUNT				\$2,030,067.00

DEPARTMENT HEAD: **Garey S. Edwards** Digitally signed by Garey S. Edwards
Date: 2019.08.21 14:16:09 -04'00' DATE: **August 21, 2019**

The Purchasing Division concurs with recommendation submitted by the **Electric Dept.** and recommends
award to the lowest responsible, responsive bidder **Virginia Transformer** in the amount of \$ **2,030,067.00**.

PURCHASING MANAGER: **Erik Conti** Digitally signed by Erik Conti
Date: 2019.08.22 08:34:42 -04'00' DATE: **August 22, 2019**

Approved for Submission to Council
FINANCIAL SERVICES DIRECTOR: **Bobby Fitzjohn** Digitally signed by Bobby Fitzjohn
Date: 2019.08.22 08:44:38 -04'00' DATE: **August 22, 2019**

CITY MANAGER: **Greg Demko** Digitally signed by Greg Demko
Date: 2019.08.22 09:40:07 -04'00' DATE: **August 22, 2019**