

# CITY OF HIGH POINT

## AGENDA ITEM



**Title:** Jackson Lake Substation Equipment & Substation Transformers - Bid #16-033022

**From:** Tyler Berrier, Electric Utilities Assistant Director

**Meeting Date:** April 4, 2022

**Public Hearing:** N/A

**Advertised By:** Purchasing Dept.

**Attachments:** Attachment A: Southeastern Engineers Bid Recommendation  
Attachment B: Bid Tabulation  
Attachment C: Recommendation Form

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### PURPOSE:

On March 30, 2022, the City received bids for materials to perform maintenance to Jackson Lake Substation. Purchasing this equipment will allow the City to upgrade the existing substation and increase the electric system's capacity. Purchasing received 10 total bids for the schedules listed below.

### BACKGROUND:

The Electric Department is procuring materials to be used on the Jackson Lake Substation project (project is in the Electric CIP). The Purchasing Department solicited bids for Substation Structure, Circuit Switchers, 15 kV Breakers, Relay/Control Panels and Power Transformers to be used at our Jackson Lake Substation. These are all standard materials used regularly by the City of High Point Electric Utilities department.

### BUDGET IMPACT:

Funds are included in the FY 22 and FY 23 budget to cover this project.

### RECOMMENDATION / ACTION REQUESTED:

City Staff has reviewed the bid submittal and evaluated the information provided. The Electric Department is recommending that the bid for the five (5) schedules below be approved. Funds are included in the departments Capital budget to cover this material purchase.

#### Award to the following five (5) companies:

<b>Schedule I - Substation Structure</b>	Substation Enterprises, Inc.	\$921,718.00
<b>Schedule II - Circuit Switchers</b>	R.W. Chapman & Co.	\$142,825.40
<b>Schedule III - 15 kV Circuit Breakers</b>	Myers Controlled Power	\$205,186.00
<b>Schedule IV - Relay &amp; Control Panels</b>	Birmingham Control Systems	\$185,995.00
<b>Schedule V - Power Transformers</b>	Virginia Transformer Corp.	\$2,250,300.00



**BID TABULATION**  
Jackson Lake Substation  
 Bid No. 16-033022

City of High Point  
High Point, North Carolina

Date: March 30, 2022  
 Time: 2:00 PM, EDST

<u>Bidder</u>	<u>Substation</u> <u>Enterprises</u>	<u>Peak</u> <u>Substations</u>			
<b><u>Schedule I</u></b>					
Substation Structure & Appurtenances (1)	\$ 921,718.00	\$ 935,100.00	\$	\$	\$
Manufacturer:	SE	Peak			
Delivery:	22-24 Weeks				
 <u>Bidder</u>	 R.W. Chapman Company				
<b><u>Schedule II</u></b>					
Circuit Switcher (2)	\$ 142,825.40	\$	\$	\$	\$
Manufacturer:	S&C				
Delivery:	36-38 Weeks				
 <u>Bidder</u>	 Myers Controlled Power	 ABB			
<b><u>Schedule III</u></b>					
Circuit Breakers- 2000A Main (2)	\$ 45,810.00	\$ 55,496.00	\$	\$	\$
- 1200A Feeder (8)	159,376.00	180,784.00			
Total, Schedule III	\$ 205,186.00	\$ 236,280.00	\$	\$	\$
Manufacturer:	Myers	ABB			
Delivery:	28 Weeks	24 Weeks			

		Birmingham			
<u>Bidder</u>	<u>Control Systems</u>				
<b><u>Schedule IV</u></b>					
Relay & Control Panels					
Lump Sum (6 Panels Total) (1)	\$ 185,995.00	\$	\$	\$	\$
Spare SEL					
2730M0ARAX1111AAAAX0 (1)	2,350.00				
Spare SEL 3530 #GG6M (1)	8,160.00				
Total, Schedule IV	<u>\$ 196,505.00</u>	<u>\$</u>	<u>\$</u>	<u>\$</u>	<u>\$</u>
Manufacturer:	BCS				
Delivery:	14-16 Weeks				
		Virginia			
<u>Bidder</u>	<u>Transformer Corp.</u>	<u>Delta Star</u>	<u>WEG</u>	<u>Waukesha</u>	
<b><u>Schedule V</u></b>					
Power Transformers (2)	\$ 2,250,300.00	\$ 2,833,516.00	\$ 2,635,636.00*	\$ 2,082,890.00*	\$
Offloading (2)	Included	30,000.00	45,700.00	22,750.00	
On Site Assembly, Testing, &					
Commissioning (2)	Included	45,320.00	81,130.00	64,360.00	
Total, Schedule V	<u>\$ 2,250,300.00</u>	<u>\$ 2,908,836.00</u>	<u>\$ 2,797,466.00</u>	<u>\$ 2,170,000.00</u>	<u>\$</u>
Manufacturer:	VTC	Delta Star	WEG	Waukesha	
Delivery:	35-37 Weeks	148-152 Weeks	85-90 Weeks	36-37 Months	

\*Not Firm Pricing



# Southeastern Consulting Engineers, Inc.

April 1, 2022

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

Ref.: Substation Equipment Bid Recommendation  
Jackson Lake Substation  
Bid # 16-033022

Dear Garey:

The City received sealed proposals on March 30, 2022, from ten suppliers solicited for providing substation equipment that will be installed at the City's Jackson Lake substation. Each bid was reviewed for compliance with the technical specifications, purchase price, and delivery. Based on the preceding factors the following vendors submitted the lowest responsive and compliant bid:

## **Schedule I –Substation Structure**

Substation Enterprises, Inc.  
145 Commercial Court  
PO Box 2010  
Alabaster, AL 35007  
Project #: FK-4146  
Delivery: 22 -24 weeks

Description	Quantity	Unit Price	Total Price
Substation Structure and Appurtenances	Lump Sum	\$921,718.00	\$921,718.00

## **Schedule II – 115 kV Circuit Switcher**

S&C Electric Company  
C/O Chapman Company  
PO Box 240748  
Charlotte, NC 28224  
Quote # 58389-2  
Delivery: 36-38 weeks

Description	Quantity	Unit Price	Total Price
597738-BE8H1KMNRTT2VY	2	\$71,412.70	\$142,825.40

**Schedule III – 15 kV Circuit Breakers**

Myers Controlled Power  
219 E. Maple Street  
Suite 100/200E  
North Canton, OH 44720  
Quote # 0001981  
Delivery 28 Weeks

Description	Quantity	Unit Price	Total Price
2000 A Main	2	\$22,905.00	\$45,810.00
1200 A Feeder	8	\$19,922.00	\$159,376.00
<b>Total Sch. III</b>			<b>\$205,186.00</b>

**Schedule IV – Relay Panels**

Birmingham Control Systems, Inc.  
3779 Pine Lane  
Bessemer, AL 35022  
Quote # 22054  
Delivery 14-16 Weeks

Description	Quantity	Unit Price	Total Price
Relay and Control Board (6)	Lump Sum	\$185,995.00	\$185,995.00

**Schedule V – Power Transformers**

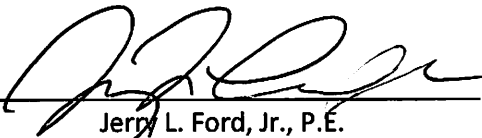
Virginia Transformer Corporation  
220 Glade View Drive NE  
Roanoke, VA 24012  
Quote # G221001A  
Delivery 35-37 Weeks

Description	Quantity	Unit Price	Total Price
Power Transformers	2	\$1,125,150	\$2,250,300.00
Offloading	2	Included	included
On site Assembly, Testing, Commissioning	2	Included	included
<b>Total Sch. V</b>			<b>\$2,250,300.00</b>

The total cost for the five recommended schedules is \$3,706,024.40. 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   
Jerry L. Ford, Jr., P.E.  
Senior Design Engineer

JLF/lc

cc: Mr. Tyler Berrier, PE  
Mr. Philip Hiatt, PE



**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  and recommends award to the lowest responsible, responsive bidder  in the amount of \$ .

PURCHASING MANAGER:  DATE:

Approved for Submission to Council  
FINANCIAL SERVICES DIRECTOR:  DATE:

CITY MANAGER:  DATE:



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