

CITY OF HIGH POINT

AGENDA ITEM



Title: Substation Equipment-Bid #23-121918

From: Garey S. Edwards, Electric Utilities Director

Meeting Date: January 7, 2019

Public Hearing: N/A

Advertising Date /

Advertised By: N/A

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

PURPOSE:

Purchase of equipment and transformer for the New Hammer Substation, transformers for Oak Hollow and Burton substations.

BACKGROUND:

The Eastchester Substation is at capacity and the addition of the proposed Hammer Substation will relieve some of the electrical loading for the area. The other two transformers are for increasing the capacity of the Oak Hollow Substation and upgrade for the Burton Street Substation.

BUDGET IMPACT:

Funds are available in the FY 2018-19 Annual Budget.

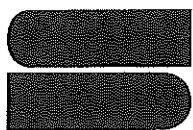
RECOMMENDATION / ACTION REQUESTED:

Award to the following four (4) companies:

Schedule I - Substation Structure (Bldg.)	Substation Enterprises	\$89,808.00
Schedule III – 15kV Circuit Breakers	Siemens Industries	\$37,575.00
Schedule IV – Metalclad Switchgear	AZZ, Inc.	\$444,254.00
Schedule V – Power Transformers (3)	OTC Services, Inc.	\$1,960,767.00

Note: We are recommending rebidding the Circuit Switcher (Schedule II) as per Southeastern's recommendation, because only one bid was received and did not meet specifications.





Southeastern Consulting Engineers, Inc.

December 27, 2018

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

Ref.: Substation Equipment

Dear Garey:

The city received sealed proposals on December 19, 2018, from ten 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

Substation Enterprises, Inc.
145 Commercial Court
Alabaster, AL 35007
Project # FK-3520

Total Lump Sum Bid	\$89,808.00
Delivery	22-24 weeks

Schedule II – Circuit Switchers

*No Award – Only one vendor submitted a proposal and did not meet the specifications

Schedule III – 15 kV Circuit Breakers

Siemens Industry, Inc.
7000 Siemens Road
Wendell, NC 27591
Order # SF18181330652 ITEM 6a ONLY
Delivery 28 Weeks

Description	Quantity	Unit Price	Total Price
SDV-SE-15.5kV-20kA-2000A	2	\$18,787.50	\$37,575.00

Schedule IV – Metalclad Switchgear

AZZ, Inc.
7911 Old US Highway 54
Fulton, MO 65251
Proposal # 18-11-26-01
Delivery 30-32 Weeks
Total Lump Sum Bid \$444,254.00

Schedule V – Power Transformers

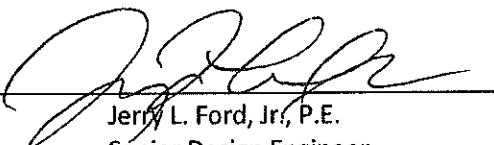
OTC Services, Inc.
1776 Constitution Avenue
Louisville, Ohio 44641
Proposal # 18363
Delivery 32-34 Weeks

Description	Quantity	Unit Price	Total Price
22.4/29.87/37.33 MVA Transformer	3	\$653,589.00	\$1,960,767.00

The total cost for the four recommended schedules is \$2,532,404.00. 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 
Jerry L. Ford, Jr., P.E.
Senior Design Engineer

BID TABULATION
Hammer Substation Upgrade
 Bid No. 23-121918

City of High Point
High Point, North Carolina

Date: December 19, 2018
 Time: 1:00 PM, EST

Bidder

Schedule I

Substation Structure &
 Appurtenances (1)
 Manufacturer:
 Delivery:

Substation

Enterprises

\$89,808.00

Distran

\$101,310.00

20 Weeks

22-24 Weeks

Schedule II

Circuit Switcher (1)
 Manufacturer:
 Delivery:

ABB

\$48,000.00

24-26 Weeks

Schedule III

Circuit Breakers-2000A Main (2)
 Manufacturer:
 Delivery:

ABB

\$41,634.00

18 Weeks

Siemens

\$37,575.00

28 Weeks

Schedule IV

Metacal Switchgear (1)
 Manufacturer:
 Delivery:

AZZ

\$444,254.00

30-32 Weeks

PowerCom

\$494,903.00

30-32 Week

Siemens

\$712,201.00

35 Weeks

BID TABULATION (Continued)

Hammer Substation Upgrade
Bid No. 23-121918

City of High Point
High Point, North Carolina

Date: December 19, 2018
Time: 1:00 PM, EST

<u>Bidder</u>	<u>OTC Services</u>	<u>SPX</u>	<u>WEG</u>	<u>ABB</u>
<u>Schedule V</u>				
Power Transformers (3)	\$653,589.00	\$739,941.00*	\$693,737.00	\$716,925.00*
Manufacturer:	\$1,960,767.00	\$2,219,823.00	\$2,081,211.00	\$2,150,775.00
Delivery:	32-34 Weeks	42-46 Weeks	36-38 Weeks	28-32 Weeks
		*Price not firm		1) Revised to include Assembly & Testing
				2) Offloading not included
Bid Bond	5%	5%	5%	5%
Applicable Price Terms	Yes	Yes	Yes	Yes



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Electric**

COUNCIL AGENDA DATE: **January 7, 2019**

BID NO.: **23-121918** CONTRACT NO.: DATE OPENED: **Dec 19, 2018**

DESCRIPTION:

The purpose of this contract is to make necessary site improvements for a new Electric substation. The site is accessed from E. Dayton Avenue on the old Hammer Substation site. To ease the over loading of the Eastchester Substation.

PURPOSE:

This recommendation is for the 15kV main breaker.

COMMENTS:

Equipment needed for new Hammer Substation

RECOMMEND AWARD TO: **Siemens Industries** AMOUNT: **\$37,575.00**

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631181022905	40201	\$37,575.00
TOTAL BUDGETED AMOUNT				

DEPARTMENT HEAD: **Garey S. Edwards** Digitally signed by Garey S. Edwards
Date: 2018.12.27 15:44:35 -05'00' DATE:

The Purchasing Division concurs with recommendation submitted by the **Electric Department** and recommends award to the lowest responsible, responsive bidder **Siemens Industries** in the amount of \$ **37,575.00**.

PURCHASING MANAGER: **Erik Conti** Digitally signed by Erik Conti
DN: cn=Erik Conti, o, ou,
email=erik.conti@highpointnc.gov, c=US
Date: 2018.12.31 11:49:14 -05'00' DATE: **Dec 31, 2018**

Approved for Submission to Council
FINANCIAL SERVICES DIRECTOR: **Kelly Latham** Digitally signed by Kelly Latham
DN: cn=Kelly Latham, o, ou,
email=kelly.latham@highpointnc.gov, c=US
Date: 2018.12.31 14:42:34 -05'00' DATE: **12/31/2018**

CITY MANAGER: **Greg Demko** Digitally signed by Greg Demko
Date: 2018.12.31 14:53:53 -05'00' DATE: **Dec 31, 2018**



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Electric**

COUNCIL AGENDA DATE: **January 7, 20109**

BID NO.: **23-121918** CONTRACT NO.: DATE OPENED: **Dec 19, 2018**

DESCRIPTION:

The purpose of this contract is to make necessary site improvements for a new Electric substation. The site is accessed from E. Dayton Avenue on the old Hammer Substation site. To ease the over loading of the Eastchester Substation.

PURPOSE:

This recommendation is for the 15kV metalclad switchgear.

COMMENTS:

Equipment needed for new Hammer Substation

RECOMMEND AWARD TO: **AZZ, Inc.** AMOUNT: **\$444,254.00**

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631181022905	40201	\$444,254.00
TOTAL BUDGETED AMOUNT				

DEPARTMENT HEAD: **Garey S. Edwards** Digitally signed by Garey S. Edwards
Date: 2018.12.27 15:50:23 -05'00' DATE:

The Purchasing Division concurs with recommendation submitted by the **Electric Department** and recommends award to the lowest responsible, responsive bidder **AZZ, Inc.** in the amount of \$ **444,254.00**.

PURCHASING MANAGER: **Erik Conti** Digitally signed by Erik Conti
DN: cn=Erik Conti, o, ou,
email=erik.conti@highpointnc.gov, c=US
Date: 2018.12.31 11:47:52 -05'00' DATE: **Dec 31, 2018**

Approved for Submission to Council
FINANCIAL SERVICES DIRECTOR: **Kelly Latham** Digitally signed by Kelly Latham
DN: cn=Kelly Latham, o, ou,
email=kelly.latham@highpointnc.gov, c=US
Date: 2018.12.31 14:43:23 -05'00' DATE: **Dec 31, 2018**

CITY MANAGER: **Greg Demko** Digitally signed by Greg Demko
Date: 2018.12.31 14:57:03 -05'00' DATE:



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: Electric

COUNCIL AGENDA DATE: January 7, 2019

BID NO.: 23-121918 CONTRACT NO.: DATE OPENED: Dec 19, 2018

DESCRIPTION:

The purpose of this contract is to make necessary site improvements for a new Electric substation. The site is accessed from E. Dayton Avenue on the old Hammer Substation site. To ease the over loading of the Eastchester Substation.

PURPOSE:

This is the control building for the proposed substation.

COMMENTS:

Equipment needed for new Hammer Substation

RECOMMEND AWARD TO: Substation Enterprises AMOUNT: \$89,808.00

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631181022905	40201	\$89,808.00
TOTAL BUDGETED AMOUNT				

DEPARTMENT HEAD: Garey S. Edwards Digitally signed by Garey S. Edwards
Date: 2018.12.27 15:36:49 -05'00' DATE:

The Purchasing Division concurs with recommendation submitted by the Electric Department and recommends award to the lowest responsible, responsive bidder Substation Enterprises in the amount of \$ 89,808.00.

PURCHASING MANAGER: Erik Conti Digitally signed by Erik Conti
DN: cn=Erik Conti, o, ou,
email=erik.conti@highpointnc.gov, c=US
Date: 2018.12.31 11:51:11 -05'00' DATE: Dec 31, 2018

Approved for Submission to Council
FINANCIAL SERVICES DIRECTOR: Kelly Latham Digitally signed by Kelly Latham
DN: cn=Kelly Latham, o, ou,
email=kelly.latham@highpointnc.gov, c=US
Date: 2018.12.31 14:40:42 -05'00' DATE: Dec 31, 2018

CITY MANAGER: Greg Demko Digitally signed by Greg Demko
Date: 2018.12.31 14:57:58 -05'00' DATE:



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Electric**

COUNCIL AGENDA DATE: **January 7, 2019**

BID NO.: **23-121918** CONTRACT NO.: DATE OPENED: **Dec 19, 2018**

DESCRIPTION:

The purpose of this contract is to make necessary site improvements for a new Electric Hammer substation, adding an additional transformer at Oak Hollow Substation and convert an old transformer at Burton Substation from 69 kV to 100 kV.

PURPOSE:

This recommendation is for purchase of three (3) power transformers to be used at the locations listed above.

COMMENTS:

These improvements are need because of growth in High Point.

RECOMMEND AWARD TO: **OTC Services, Inc.** AMOUNT: **\$1,960,767.00**

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631181022905	40201	\$653,589.00
631799	533701	631191023705	40201	\$653,589.00
631799	533701	631001021205	40201	\$653,589.00
TOTAL BUDGETED AMOUNT				\$1,960,767.00

DEPARTMENT HEAD: **Garey S. Edwards** Digitally signed by Garey S. Edwards
Date: 2018.12.27 16:04:10 -05'00' DATE:

The Purchasing Division concurs with recommendation submitted by the **Electric Department** and recommends award to the lowest responsible, responsive bidder **OTC Services, Inc.** in the amount of \$ **1,960,767.00**.

PURCHASING MANAGER: **Erik Conti** Digitally signed by Erik Conti
DN: cn=Erik Conti, o, ou, email=erik.conti@highpointnc.gov, c=US
Date: 2018.12.31 11:46:09 -05'00' DATE: **Dec 31, 2018**

Approved for Submission to Council
FINANCIAL SERVICES DIRECTOR: **Kelly Latham** Digitally signed by Kelly Latham
DN: cn=Kelly Latham, o, ou, email=kelly.latham@highpointnc.gov, c=US
Date: 2018.12.31 14:44:07 -05'00' DATE: **Dec 31, 2018**

CITY MANAGER: **Greg Demko** Digitally signed by Greg Demko
Date: 2018.12.31 14:58:35 -05'00' DATE: