

CITY OF HIGH POINT

AGENDA ITEM



Title: Purchase of Medium Power (Substation) Transformers

From: Garey S. Edwards, Electric Utilities Director

Meeting Date: November 20, 2017

Public Hearing: N/A

Advertising Date /

Advertised By: N/A

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

PURPOSE:

Two of these units will be used at the Linden Substation upgrade and one will be installed at the Penny Road substation.

BACKGROUND:

Over the past several years we have been converting the old 69 kV transmission system to a 100 kV system. Two of the units will be utilized for this purpose for the upgrade work we are doing at Linden Substation. The third unit will be set at the Penny Road substation for increased loading that we are experiencing in the northern part of the city limits.

BUDGET IMPACT:

Funds are available in the 2017-2018 Annual Budget.

RECOMMENDATION / ACTION REQUESTED:

Council is requested to award contract to Ensales-Virginia Transformer in the amount of \$1,715,805.00 and authorize the appropriate city official to execute contracts.





**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Electric**

COUNCIL AGENDA DATE: **Nov 20, 2017**

BID NO.: **18-101217** CONTRACT NO.: DATE OPENED: **Oct 12, 2017**

DESCRIPTION:

Purchase of Three (3) Medium Power (Substation) Transformers

PURPOSE:

Two of these units will be used at the Linden Substation upgrade and one will be installed at the Penny Road substation.

COMMENTS:

Over the past several years we have been converting the old 69 kV transmission system to a 100 kV system. Two of the units will be utilized for this purpose for the upgrade work we are doing at Linden Substation. The third unit will be set at the Penny Road substation for increased loading that we are seeing in the area.

RECOMMEND AWARD TO: **Ensales-Virginia Transformer** AMOUNT: **\$1,715,805.00**

JUSTIFICATION:

We have budgeted adequate funds for this year's budget.

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631151022305	40202	\$1,143,870.00
631799	533701	631181023105	40202	\$571,935.00
TOTAL BUDGETED AMOUNT				\$1,715,805.00

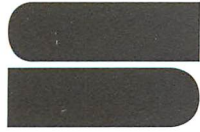
DEPARTMENT HEAD: **Garey S Edwards** Digitally signed by Garey S Edwards
Date: 2017.11.07 09:19:54 -05'00' DATE: **Nov 7, 2017**

The Purchasing Division concurs with recommendation submitted by the **Electric and recommends award to the lowest responsible, responsive bidder **Ensales - Virginia Trans.** in the amount of \$ **1,715,805.00**.**

PURCHASING MANAGER: **Erik Conti** Digitally signed by Erik Conti
DN: cn=Erik Conti, o=ou,
email=erik.conti@highpointnc.gov, c=US
Date: 2017.11.07 11:46:13 -05'00' DATE: **Nov 7, 2017**

Approved for Submission to Council
FINANCIAL SERVICES DIRECTOR: **Jeffrey A. Moore** Digitally signed by Jeffrey A. Moore
DN: cn=Jeffrey A. Moore, o=City of High Point, NC,
ou=Financial Services Director,
email=jmoore@highpointnc.gov, c=US
Date: 2017.11.09 09:48:38 -05'00' DATE: **Nov 9, 2017**

CITY MANAGER: **Greg Demko** Digitally signed by Greg Demko
DN: cn=Greg Demko, o=High Point, ou=High Point,
email=greg.demko@highpointnc.gov, c=US
Date: 2017.11.09 09:47:57 -05'00' DATE: **Nov 9, 2017**



Southeastern Consulting Engineers, Inc.

October 26, 2017

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

Ref.: Three Power Transformers Recommendation
Bid Number: 18-101217

Dear Garey:

The City received sealed proposals on October 12, 2017, from three suppliers for providing three power transformers for the City's upcoming substation projects. A tabulation of the bids received is attached.

Each bid was reviewed for compliance with the specifications, purchase price, evaluated cost, quality and delivery.

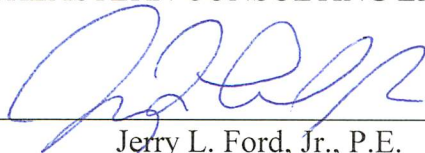
The bids were also evaluated based on losses to determine the cost of operating the transformers over time. As shown on the attached bid tabulation Virginia Transformer of Roanoke, Virginia, evaluated cost is \$123,640.00 less than SPX - Waukesha. Therefore Virginia Transformer submitted the lowest responsive and compliant bid in the amount of \$1,769,805.00. We recommend that the City arrange their own offloading, which will reduce the cost by \$54,000.00.

Based on the above information, we recommend that the City accept Virginia Transformer's proposal and issue a purchase order in the amount of \$1,715,805.00. 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. Philip Hiatt

Bid Tabulation
 Purchase of Three Medium Power Transformers
 Bid Number 18-101217

Bid Date: October 12, 2017
 2:00 p.m.

Bidder:	Virginia Transformer	ABB	SPX - Waukesha
(3) Transformers	\$ 1,667,805.00	\$ 1,877,538.00	\$ 1,761,654.00
Offloading	54,000.00	22,500.00	32,916.00
Assembly	48,000.00	90,000.00	88,590.00
Total Bid	\$ 1,769,805.00	\$ 1,990,038.00	\$ 1,883,160.00
Delivery	23-25 Weeks	26-30 weeks	36-40 weeks
<u>Evaluated Cost @ Rated Capacity</u>			
22.4 MVA	\$ 1,909,020.00	\$ 2,128,103.00	\$ 2,032,660.00
29.8 MVA	\$ 1,962,980.00	—	\$ 2,104,510.00
37.33 MVA	—	\$ 2,375,598.00	—
Plant Location	Roanoke, VA	Crystal Springs, MS	Goldsboro, NC
Meets Specified Dimensions	Yes	Yes	Yes

BIDDERS LIST & TABULATION

FORMAL BID #18-101217 – POWER TRANSFORMERS (LINDEN SUB.) – ELECTRIC DEPT.				
VENDOR NAME & ADDRESS	ITEM (QTY.)	UNIT PRICE	TOTAL PRICE	DELIVERY A.R.O.
ELECTRICAL POWER PRODUCTS, INC. CHARLOTTE, NC	XFMRs. (3) OFF LOAD (3) ASSEMBLY (3)	-	NO QUOTE	-
ENSALES (VTC) P.O. BOX 2427 SMITHFIELD, NC 27577	XFMRs. (3) OFF LOAD (3) ASSEMBLY (3)	\$555,935.00 \$18,000.00 \$16,000.00	\$1,667,805.00 \$54,000.00 \$48,000.00	22-24 WKS.
OTC SERVICES, INC. 1776 CONSTITUTION AVENUE P.O. BOX 188 LOUISVILLE, OH 44641	XFMRs. (3) OFF LOAD (3) ASSEMBLY (3)	-	NO QUOTE	-
POWERTECH, LLC (ABB) 9004 YELLOW PINE COURT WAXHAW, NC 28173	XFMRs. (3) OFF LOAD (3) ASSEMBLY (3)	\$625,846.00 \$7,500.00 \$30,000.00	\$1,877,538.00 \$22,500.00 \$30,000.00	26-30 WKS.
R.W. CHAPMAN & COMPANY (DELTA STAR) P. O. BOX 240748 CHARLOTTE, NC 28224	XFMRs. (3) OFF LOAD (3) ASSEMBLY (3)	-	NO QUOTE	-
W.R. DANIEL & ASSOCIATES (SPX) 207-6A SOUTH BROAD STREET MOORESVILLE, NORTH CAROLINA 28115	XFMRs. (3) OFF LOAD (3) ASSEMBLY (3)	\$587,218.00 \$10,972.00 \$29,530.00	\$1,761,654.00 \$32,916.00 \$88,590.00	36-40 WKS.

* Bid packages mailed out September 15, 2017 by Southeastern Consulting Engineers (Jerry Ford).