

CITY OF HIGH POINT

AGENDA ITEM



Title: Circuit Breakers, Relay Panels
& Circuit Switchers - Bid #27-011819

From: Garey S. Edwards, Electric Utilities Director

Meeting Date: February 4, 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 127 kV circuit breakers in schedule I are replacing existing 30-40 year old units. This is the second year of a 4 year change-out program, replacing units at Oak Hollow, Burton and Deep River Substations. The schedule II relay panels are what will be used in conjunction with the 127 kV breakers above. The circuit switchers in schedule III are to be installed at the new Hammer Substation and the other two are to be installed at the Oak Hollow Substation.

BUDGET IMPACT:

Funds are included in the 2018-19 budget to cover this project.

RECOMMENDATION / ACTION REQUESTED:

Award to the following three (3) companies:

Schedule I - 127 kV Circuit Breakers
Schedule II - Relay Panels
Schedule III - 115 kV Circuit Switchers

ABB, Inc.	\$393,300.00
Electrical Power Products, Inc.	\$62,620.00
Robert W. Capman & Co.	\$145,641.00*

***Note:** We are recommending purchasing an additional Circuit Switcher (Schedule III) for use at the 2nd station transformer at Oak Hollow Substation. This will change the bid quantity from 2 to 3 units.

127 kV Circuit Breaker



115 kV Circuit Switcher



BID TABULATION

Circuit Breakers, Relay Panels, and Circuit Switchers

Bid No. 27-011819

City of High Point

High Point, North Carolina

Date: January 18, 2019

Time: 1:00 PM, EST

Bidder	ABB	Birmingham Control Systems	EP ²	Hitachi	S&C Electric
<u>Schedule I</u>					
121 KV Circuit Breakers (9)	Unit				
	Ext.				
Manufacturer:	\$ 43,700.00	\$ N/A	\$ N/A	\$ 50,999.00	\$ N/A
Delivery:	\$ 393,300.00	\$	\$	\$ 458,991.00	\$
	ABB			Hitachi	
	16-20 Wks.			14-16 Wks.	
<u>Schedule II</u>					
Relay & Control Board -					
Oak Hollow (1)	\$ N/A	\$ 26,995.00	\$ 27,721.00	\$ N/A	\$ N/A
Relay & Control Board -					
Deep River (1)	\$ N/A	\$ 18,395.00	\$ 18,994.00	\$ N/A	\$ N/A
SEL-311C11HR3E54X1					
(shipped loose) (3)	\$ N/A	\$ 17,685.00	\$ 15,481.00	\$ N/A	\$ N/A
Total	\$	\$ 63,075.00	\$ 62,196.00	\$	\$
Manufacturer:					
Delivery:		12-14 Wks.	13-14 Wks.		
<u>Schedule III</u>					
Circuit Switchers (2)	Unit				
	Ext.				
Manufacturer:	\$ N/A	\$ N/A	\$ N/A	\$ N/A	\$ 48,547.00
Delivery:	\$	\$	\$	\$	\$ 97,094.00
					18 Weeks
Bid Bond	Yes	Yes	Yes	Yes	Yes

*SEL submitted a proposal, but it was rejected for lack of a bid bond.



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Electric**

COUNCIL AGENDA DATE: **Feb 4, 2019**

BID NO.: **27-011819**

CONTRACT NO.:

DATE OPENED: **Jan 18, 2019**

DESCRIPTION:

These are the circuit switchers in schedule III of the bid, one is to be installed at the new Hammer Substation and the other two are to be installed at the Oak Hollow Substation.

PURPOSE:

For use at the new Hammer Substation and the other two are for use at the Oak Hollow Substation.

COMMENTS:

The Hammer Substation will help ease the loading at the Eastchester Substation and the other two are for protection of the station transformers at the Oak Hollow Substation. We are recommending purchasing an additional Circuit Switcher (Schedule III) for use at the 2nd station transformer at Oak Hollow Substation.

RECOMMEND AWARD TO: **Robert W. Capman & Co.**

AMOUNT: **\$145,641.00**

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631181022905	40201	\$48,547.00
631799	533701	631191023705	40201	\$97,094.00
TOTAL BUDGETED AMOUNT				\$145,641.00

DEPARTMENT HEAD: **Garey S. Edwards**

Digitally signed by Garey S. Edwards
Date: 2019.01.23 15:02:44 -05'00'

DATE:

The Purchasing Division concurs with recommendation submitted by the **Electric Department** and recommends award to the lowest responsible, responsive bidder **Capman & Co.** in the amount of \$ **145,641.00**.

PURCHASING MANAGER: **Erik Conti**

Digitally signed by Erik Conti
DN: cn=Erik Conti, o, ou,
email=erik.conti@highpointnc.gov, c=US
Date: 2019.01.23 16:50:59 -05'00'

DATE: **Jan 23, 2019**

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: 2019.01.24 08:55:12 -05'00'

DATE:

CITY MANAGER: **Greg Demko**

Digitally signed by Greg Demko
Date: 2019.01.24 10:31:26 -05'00'

DATE: **1/24/2019**



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: Electric

COUNCIL AGENDA DATE: February 4, 2019

BID NO.: 27-011819 CONTRACT NO.: DATE OPENED: Jan 18, 2019

DESCRIPTION:

The 127 kV circuit breakers in schedule I of Bid # 27-011819 are for replacing existing 30-40 year old units. This is the second year of a 4 year change-out program, replacing units at Oak Hollow, Burton and Deep River Substations.

PURPOSE:

Replacing old outdated equipment.

COMMENTS:

These improvements are needed because of growth in High Point and replacing old /outdated oil circuit breakers.

RECOMMEND AWARD TO: ABB, Inc. AMOUNT: \$393,300.00

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631181023205	40201	\$393,300.00
TOTAL BUDGETED AMOUNT				\$393,300.00

DEPARTMENT HEAD: Garey S. Edwards Digitally signed by Garey S. Edwards
Date: 2019.01.23 14:38:07 -05'00' DATE:

The Purchasing Division concurs with recommendation submitted by the Electric Department and recommends award to the lowest responsible, responsive bidder ABB, Inc. in the amount of \$ 393,300.00.

PURCHASING MANAGER: Erik Conti Digitally signed by Erik Conti
DN: cn=Erik Conti, o=ou,
email=erik.conti@highpointnc.gov, c=US
Date: 2019.01.23 16:48:47 -05'00' DATE: Jan 23, 2019

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: 2019.01.24 08:56:43 -05'00' DATE:

CITY MANAGER: Greg Demko Digitally signed by Greg Demko
Date: 2019.01.24 10:32:37 -05'00' DATE: 1/24/2019



**FORMAL BID RECOMMENDATION
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Electric**

COUNCIL AGENDA DATE: **Feb 4, 2019**

BID NO.: **27-011819** CONTRACT NO.: DATE OPENED: **Jan 18, 2019**

DESCRIPTION:

These are the schedule II relay panels are what will be used in conjunction with the 127 kV breakers.

PURPOSE:

To coordinate with the new 127 kV breakers.

COMMENTS:

These improvements are needed because of growth in High Point and replacing old /outdated oil circuit breakers.

RECOMMEND AWARD TO: **Electircal Power Products, Inc.** AMOUNT: **\$62,620.00**

JUSTIFICATION:

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
631799	533701	631181023205	40201	\$62,620.00
TOTAL BUDGETED AMOUNT				\$62,620.00

DEPARTMENT HEAD: **Garey S. Edwards** Digitally signed by Garey S. Edwards
DN: cn=Erik Conti, o, ou, email=erik.conti@highpointnc.gov, c=US
Date: 2019.01.23 14:45:51 -05'00' DATE:

The Purchasing Division concurs with recommendation submitted by the **Electric Department** and recommends award to the lowest responsible, responsive bidder **Electrical Power Products** in the amount of \$ **62,620.00**.

PURCHASING MANAGER: **Erik Conti** Digitally signed by Erik Conti
DN: cn=Erik Conti, o, ou, email=erik.conti@highpointnc.gov, c=US
Date: 2019.01.23 16:47:26 -05'00' DATE: **Jan 23, 2019**

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: 2019.01.24 08:57:23 -05'00' DATE:

CITY MANAGER: **Greg Demko** Digitally signed by Greg Demko
Date: 2019.01.24 10:33:24 -05'00' DATE: **1/24/2019**