

# CITY OF HIGH POINT

## AGENDA ITEM

**Title: Filter Plant Substation Upgrade-Bid #18-121214****From:** Garey S. Edwards, Electric Utilities Director**Meeting Date:** January 5, 2015**Public Hearing:** N/A**Advertising Date /****Advertised By:** N/A**Attachments:** Southeastern Engineers Bid Recommendation  
Departmental Bid Recommendation

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**PURPOSE:** The capacity of the Filter substation (located on Kivett Dr. next to the old water treatment facility) needs to be increased.

**BACKGROUND:** The Filter Substation has been overloaded for several years and has been included on our CIP for upgrade. We purchased a 2<sup>nd</sup> transformer in March of 2014 (Bid# 50-032014) and this bid is for the associated steel structure and accompanying switches and controls.

**BUDGET IMPACT:** Funds are included in the 2014-15 budget to cover this project.

**RECOMMENDATION / ACTION REQUESTED:****Award to the following four (4) companies:**

|                     |                               |              |
|---------------------|-------------------------------|--------------|
| <b>Schedule I</b>   | Substation Enterprises, Inc.  | \$286,426.00 |
| <b>Schedule II</b>  | S&C Electric Company          | \$56,804.00  |
| <b>Schedule III</b> | Schneider Electric USA, Inc.  | \$45,010.00  |
| <b>Schedule IV</b>  | Keystone Electrical Manf. Co. | \$79,354.61  |



# Southeastern Consulting Engineers, Inc.

December 15, 2014

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

Ref.: Bid Recommendation for Filter Plant Substation Upgrade  
Bid# 18-121214

Dear Garey:

The City received proposals on December 12, 2014, from eleven suppliers solicited for providing the equipment necessary to upgrade Filter Substation.

A tabulation of the bids received is enclosed. The lowest and most responsive bidder for each Schedule is listed below:

**Schedule I - Substation Structure and Appurtenances**

Substation Enterprises, Inc.  
1415 Commercial Court  
Alabaster, AL 35007

|           |              |
|-----------|--------------|
| Total Bid | \$286,426.00 |
| Delivery  | 16-18 Weeks  |

**Schedule II - Circuit Switcher**

S&C Electric Company  
C/O R.W. Chapman Company  
PO Box 240748  
Charlotte, NC 28224

|           |             |
|-----------|-------------|
| Total Bid | \$56,804.00 |
| Delivery  | 15 Weeks    |

\*Note: The lowest cost proposal was submitted by PEPCO for this schedule, however, the circuit switcher quoted does not meet the specifications.

**Schedule II - 15 kV Circuit Breakers**

Schneider Electric USA, Inc.  
C/O PowerTech, LLC  
9870 Crescent Park Drive  
West Chester, Ohio 45069  
Quote #35864758

| Description           | Quantity | Unit Price  | Extended Price     |
|-----------------------|----------|-------------|--------------------|
| 2000 A Main Breaker   | 1        | \$16,450.00 | \$16,450.00        |
| 1200 A Feeder Breaker | 2        | \$14,280.00 | <u>\$28,560.00</u> |
| <b>Total Bid</b>      |          |             | <b>\$45,010.00</b> |

Delivery 17 Weeks

**Schedule IV - Relay and Control Panel**

Keystone Electrical Manufacturing Company  
2511 Bell Avenue  
Des Moines, Iowa 50321  
Quote # Q16608

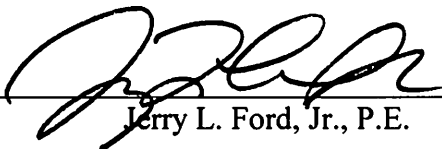
Total Bid \$79,354.61  
Delivery 12-14 Weeks

The total project cost for the four schedules is \$467,594.61. We recommend that the City accept the proposals and authorize us to prepare the contract documents for 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.  
JLF/lc

cc: Marty Hinson, PE  
Joshua Williams

**BID TABULATION**  
Filter Substation Upgrade  
 Bid No. 18-121214

City of High Point  
High Point, North Carolina

Date: December 12, 2014  
 Time: 2:00 PM, EST

| <b><u>BIDDER</u></b>                 | <b><u>Substation<br/>Enterprises</u></b> | <b><u>Tatman Associates</u></b> | <b><u>Peak Substation</u></b> | <b><u>PEPCO</u></b> |
|--------------------------------------|--|---------------------------------|-------------------------------|---------------------|
| <b><u>Schedule I</u></b>             |  |                                 |                               |                     |
| Substation Structure & Appurtenances | \$286,426.00                             | \$291,000.00                    | \$299,700.00                  | \$349,000.00        |
| Manufacturer                         | SE-Midsouth                              | Tatman                          | Peak                          | PEPCO               |
| Delivery                             | 16-18 Weeks                              | 20-22 Weeks                     | 16-18 Weeks                   | 8-18 Weeks          |
| Bid Bond                             | X  | X                               | X                             | X                   |

| <b><u>BIDDER</u></b>      | <b><u>PEPCO</u></b> | <b><u>R.W. Chapman</u></b> |
|---------------------------|---------------------|----------------------------|
| <b><u>Schedule II</u></b> |                     |                            |
| Circuit Switcher          | \$36,500.00         | \$56,804.00                |
| Manufacturer              | Alstom              | S&C                        |
| Delivery                  | 18-22 Weeks         | 15 Weeks                   |
| Bid Bond                  | X                   | X                          |

| <b><u>BIDDER</u></b>                | <b><u>Schneider<br/>Electric</u></b> | <b><u>ABB Utility<br/>Service Agency</u></b> | <b><u>Siemens</u></b> |
|-------------------------------------|--------------------------------------|--|-----------------------|
| <b><u>Schedule III</u></b>          |                                      |  |                       |
| Circuit Breakers - 2000A Main (1)   | \$16,450.00                          | \$19,442.00                                  | \$19,973.00           |
| Circuit Breakers - 1200A Feeder (2) | <u>\$28,560.00</u>                   | <u>\$32,224.00</u>                           | <u>\$34,262.00</u>    |
| <b>Total, Schedule III</b>          | <b>\$45,010.00</b>                   | <b>\$51,666.00</b>                           | <b>\$54,235.00</b>    |
| Manufacturer                        | Schneider                            | ABB  | Siemens               |
| Delivery                            | 17 Weeks                             | 14-19 Weeks                                  | 17 Weeks              |
| Bid Bond                            | X                                    | X  | X                     |
|                                     |                                      |  |                       |
| <b><u>BIDDER</u></b>                | <b><u>Keystone</u></b>               | <b><u>Birmingham<br/>Control Systems</u></b> | <b><u>SEL</u></b>     |
| <b><u>Schedule IV</u></b>           |                                      |  |                       |
| Relay & Control Panel               | \$79,354.61                          | \$81,595.00                                  | \$81,789.00           |
| Manufacturer                        | Keystone                             | BCS  | SEL                   |
| Delivery                            | 12-14 Weeks                          | 12-14 Weeks                                  | 16 Weeks              |
| Bid Bond                            | X                                    | X  | X                     |

**DEPARTMENT RECOMMENDATION**  
**Informal Bid(s)**

DEPARTMENT: **ELECTRIC**

BID #: **18-121214**

DATE OPENED: **12/12/2014**

**DESCRIPTION:**

**SUBSTATION UPGRADE**

**PURPOSE:**

**TO UPGRADE FILTER SUBSTATION**

**COMMENTS:**

IT IS MY RECOMMENDATION THAT THE BID BE AWARDED TO THE VENDORS IN THE JUSTIFICATION BOX BELOW IN THE AMOUNT OF \$ 467,594.61 THIS IS BASED ON VALUE ANALYSIS, AND REPRESENTS THE BEST OVERALL VALUE TO THE CITY OF HIGH POINT .

RECOMMEND AWARD TO: **SEE JUSTIFICATION BELOW**

AMOUNT: **\$467,594.61**

**JUSTIFICATION:**

SUBSTATION ENTERPRISES, INC     \$286,426.00  
S&C ELECTRIC COMPANY             \$56,804.00  
SCHNEIDER ELECTRIC USA, INC     \$45,010.00  
KEYSTONE ELECTRICAL MANUFACTURING CO.     \$79,354.61

| ACCOUNTING UNIT       | ACCOUNT | ACTIVITY     | CATEGORY | BUDGETED AMOUNT |
|-----------------------|---------|--------------|----------|-----------------|
| 631795                | 533701  | 631141022105 | 40202    | \$467,594.61    |
|                       |         |              |          |                 |
|                       |         |              |          |                 |
|                       |         |              |          |                 |
| TOTAL BUDGETED AMOUNT |         |              |          | \$467,594.61    |

DEPARTMENT HEAD: **Garey S Edwards**

Digitally signed by Garey S Edwards  
DN: cn=Garey S Edwards, o=City of High Point, ou=Electric,  
email=garey.edwards@highpointnc.gov, c=US  
Date: 2014.12.30 15:58:30 -05'00'

DATE: **12/30/2014**

PURCHASING MANAGER: **Tarinda Chappell**  
(\$5,000 - \$30,000)

Digitally signed by Tarinda Chappell  
DN: cn=Tarinda Chappell, o=City of High Point, ou=Purchasing,  
email=tarinda.chappell@highpointnc.gov, c=US  
Date: 2014.12.30 16:01:55 -05'00'

DATE: **Dec 30, 2014**

FINANCIAL SERVICES DIRECTOR: **Randy E. McCaslin**  
(\$30,000 - \$90,000)

Digitally signed by Randy E. McCaslin  
DN: cn=Randy E. McCaslin, o=ou,  
email=randy.mccaslin@highpointnc.gov, c=US  
Date: 2014.12.30 16:06:15 -05'00'

DATE: **Dec 30, 2014**