

**Lee County Board Of County Commissioners  
Agenda Item Summary**

Blue Sheet No. 2005 1355

**1. ACTION REQUESTED/PURPOSE:**

Approve award of formal quotation (RFP B&R 2661-SE 204) and issuance of a purchase order to Eaton Electrical/Cutler Hammer, the low priced proposer, meeting all specification requirements for the 480 Volt Substation in the not to exceed amount of \$212,173.00 plus an allowance of \$10,000.00 for field technical services if requested by County.

**2. WHAT ACTION ACCOMPLISHES:**

Provides the necessary 480 volt substation for the Waste To Energy Expansion Project.

**3. MANAGEMENT RECOMMENDATION:** Staff recommends approval of this request.

4. Departmental Category: 8

*C8B*

5. Meeting Date: *10-11-2005*

6. Agenda:

- Consent
- Administrative
- Appeals
- Public
- Walk-On

7. Requirement/Purpose: (specify)

- Statute
- Ordinance
- Admin. Code *4-1*
- Other

8. Request Initiated:

Commissioner \_\_\_\_\_  
Department Public Works  
Division Solid Waste

By: Lindsey J. Sampson

*Lindsey J. Sampson*

**9. Background:**

Sealed quotes were received by the County's design engineer, Burns & Roe, on behalf of the Solid Waste Division on June 17, 2005. On that date three responses were received. After review and conformance for technical and commercial requirements recommendation was made to award to the low-priced proposer meeting all specification requirements.

Funds are available in account string: 200923 40102.506540

- Attachments: Burns & Roe bid evaluation dated 8/26/05  
Proposal opening form and Bid Abstract  
Covanta comments and recommendation dated 9/13/05

**10. Review for Scheduling:**

Department Director	Purchasing or Contracts	Human Resources	Other	County Attorney	Budget Services				County Manager/P.W. Director
					Analyst	Risk	Grants	Mgr.	
<i>J. J. J. 9-19-05</i>	<i>N.A. Pez J.S./sgh.</i>	<i>NA</i>	<i>9/20/05</i>	<i>S. J. J. 9/20/05</i>	<i>John 9/20/05</i>	<i>John 9/20/05</i>	<i>John 9/20/05</i>	<i>John 9/20/05</i>	<i>J. J. J. 9-19-05</i>

**11. Commission Action:**

- Approved
- Deferred
- Denied
- Other

RECEIVED BY COUNTY ADMIN: *FW*  
9-20-05  
*Jan*  
COUNTY ADMIN FORWARDED TO: *FW*  
9-22  
4:30

RECEIVED BY CO. ATTY. *FW*  
10:00 AM  
CO. ATTY. FORWARDED TO: *FW*  
9-20-05

August 26, 2005

Deleted: April 13, 2005

LEE COUNTY  
WTE EXPANSION PROJECT  
FORT MYERS, FLORIDA  
RFP 2661-SE-~~200A~~ 204  
480 V Substation  
BID EVALUATION

On May 23, 2005, Burns and Roe Enterprises, acting on behalf of Lee County, issued Request for Proposal No. (RFP) 2661-SE-204 for the supply of 480 V Substation including Specification SE-220B "Dry Transformer" to the following pre-approved bidders: Eaton Cutler Hammer, General Electric (GE); and Square D. All bidders responded to the RFP and submitted a proposal.

June 17, 2005 proposals were received, opened and recorded on the Proposal Opening Form herewith included, and found in Attachment 1.

Covanta was provided copies of the proposals.

Although GE's base proposal was lower than Eaton by approximately 6%, it was incomplete and included significant technical and commercial exceptions. Square D base proposal was incomplete and 12% higher than Eaton and determined non-competitive. No further consideration or evaluation conducted with GE or Square D. See technical evaluation for details.

Eaton Cutler Hammer's proposal is technically acceptable. A change in short circuit rating and (1) breaker was requested. Eaton's proposal increased \$18,054. Commercial terms are in accordance with agreed to Services/Goods Purchase Conditions of previous electrical packages.

**RECOMMENDATION:**

The recommended award of the contract is to Eaton Electrical/Cutler-Hammer. Recommended award price is \$214,673 FOB Jobsite, Freight Prepaid and Allowed and excludes cost of Bonds and Florida Sales or Use Tax.

Base Price, as bid	\$188,776.
Adjust to comply with Specifications	\$ 18,054.
Adjust for Commercial Terms	<u>7,843.</u>
Recommended Award Price:	<b>\$214,673.</b> <i>Less \$2500, per memo.</i>

The above price does not include cost of any Field Service during installation or start-up. If deemed necessary, additional dollars should be included in the award to accommodate service. Rate is \$1,200 per day plus expenses at cost.

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BID EVALUATION 2661-SE-204 "480 V Substation (cont'd...)

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COMMERCIAL EVALUATION:

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**Eaton Cutler Hammer** Terms and conditions are in accordance with Eaton/Lee County agreed to terms on the 15KV and 5KV Switchgear packages. An adder of \$7,843 to extended warranty and include all material, labor and shipping costs if necessary during the warranty period is included. Eaton's final price is \$214,673. Final agreement of items:

- Services/Goods Purchase Conditions dated 8/05
- Valid through September 30, 2005
- Delivery is August 15, 2006
- Submittal of approval documents:

Transformer:

- 4 weeks ARO Factory issue transformer drawings for approval
- 6 weeks After drawing approval Construction Drawings

LV Assembly:

- 4 weeks ARO "Front view and Floor Plan" proposal issue
- 6 weeks ARO "Front View and Floor Plan" Factory issue
- 6 weeks ARO "Elementary Drawings"
- 6 weeks After drawing approval "Construction Drawings"

- Freight FOB Jobsite, prepaid and allowed.
- Field Technical Support during installation/start-up is not included. Daily rate is \$1,200 per plus expenses billed at cost.
- Payment terms are 100% delivery net 30. No retention.
- No start-up/commissioning spares included.

Based on the foregoing, and the technical comments attached, BREI recommends award of contract to Eaton Cutler-Hammer.

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**Sampson, Lindsey J.**

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**From:** Don D'Amico [ddamico@roe.com]  
**Sent:** Friday, September 16, 2005 7:45 AM  
**To:** pyoung@CovantaEnergy.com; Sampson, Lindsey J.  
**Cc:** Ira Rubin  
**Subject:** Fwd: FW: Lee County Pricing ALL Final Final

**Attachments:** FW: Lee County Pricing ALL Final Final



FW: Lee County  
Pricing ALL Fi...

Ref: 5KV Swichgear and 480V Substation...

Requested and Eaton offered additional \$5,000 discount. Intend to pro-rate \$2,500 to each package. Intend to reflect change in Term Sheets.

Any question/comments, please advise.

Don

BID ABSTRACT		480 V Unit Substation				
Burns and Roe Enterprises, Inc.		1	2	3	4	5
W/O: 2661 Lee County Expansion Project 2661-SE-204 480 V Unit Substation		Square D	EATON CUTLER-HAMMER	GE		
BUDGET: \$						
ITEM	QTY	UNIT	DESCRIPTION	BASE PRICE		
1	LOT	ea		\$ 211,500.00	\$ 188,776.00	\$ 176,568.00
			Not Evaluated	\$	-	Tech. not Accepted
			Sub-Totals	\$	188,776.00	
			+12%		base	
			Increase short circuit rating and increase frame size 1 breaker:	\$	18,054.00	not requested
			Adder for Warranty	\$	7,843.00	
			<b>GRAND TOTAL</b> (No Tax or Bonds)	\$	<b>214,673.00</b>	
			Drawings Submitted		4-6 wks ARO	
			Delivery of material		Aug 15, 2005	
			PAYMENT TERMS		NET30	
			F.O.B. Delivered DESTINATION		Jobsite	
AWARD RECOMMENDATION:		EATON CUTLER-HAMMER		PREPARED BY:	D'Amico	
REASON FOR RECOMMENDATION:		TECHNICAL & PRICE		REVIEWED BY:	DATE:	

**LEE COUNTY RESOURCE RECOVERY FACILITY  
WASTE TO ENERGY EXPANSION PROJECT**

**TECHNICAL BID EVALUATION  
REQUEST FOR PROPOSAL 2661-SE-204  
480 V UNIT SUBSTATION 24**

**SUMMARY**

Request for Proposal 2661-SE-204 was issued on May 23, 2005.

Proposals were received from three (3) bidders: Eaton Cutler Hammer (CH), General Electric (GE) and Square D Company (SqD). The RFP requested pricing for a new double-ended unit substation lineup. The unit substation lineup contains two (2) 13.8 kV – 480 V dry-type transformers rated 2500/3333 kVA, two (2) main circuit breakers rated 4000A, eight (8) feeder circuit breakers rated 800A and an equipped space for a future circuit breaker.

The GE proposal contains many technical and commercial exceptions. GE did not include transition sections between the transformers and the switchgear, which were specified to be close-coupled by the supplier. In addition, GE stated that it is the Purchaser's responsibility to confirm that GE included all specified equipment. These major technical deficiencies are not acceptable and therefore GE was removed from consideration.

The SqD proposal contained minor technical clarifications and exceptions. Some of these clarifications are considered acceptable, but others would require resolution. The SqD proposal also did not include any of the required data and pricing sheets. Since the SqD bid price was higher than the other bids, SqD was removed from further consideration.

The result of the detailed bid evaluation (described herein) is that CH is considered technically acceptable. Several technical issues were addressed with CH to obtain compliance with the latest design development issues (i.e., increase in short circuit rating from 65 kA rms symmetrical minimum to 85 kA rms symmetrical minimum and changing one (1) feeder circuit breaker to a 1600A frame/1200A trip).

## DETAILED TECHNICAL EVALUATION

### Follow-up Questions and Responses

During the course of the detailed technical evaluation, technical questions were issued to CH. All questions and responses are attached to this evaluation; list of correspondence with CH is shown in Attachment 1.

### 480 V Unit Substation 24

CH quoted the new switchgear lineup containing the specified two (2) 13.8 kV – 480 V, 2500/3333 kVA transformers and enclosures, five (5) cubicles, two (2) 4000A main circuit breakers, eight (8) 800A feeder circuit breakers and an equipped space for a future circuit breaker. This equipment was originally specified with a minimum short circuit rating of 65 kA rms symmetrical interrupting current. Design changes required the increase in short circuit rating to 85 kA rms symmetrical interrupting current minimum. In addition, the continuous current rating of one of the feeder circuit breakers was increased from 800A to 1200A, requiring the breaker frame to be increased to 1600A rating.

### Technical Conformance

CH provided a Bill of Materials in their proposal. The bill of materials was reviewed and questions were issued to CH as needed. CH was advised that their bill of material would be considered “information only”, and the scope of supply would be per the specification and drawings unless specific exceptions or clarifications were provided and accepted. CH accepted this comment and acknowledged that their bill of material is “information only.” CH’s proposed layout for the new switchgear was reviewed and questions were issued. CH revised their layout to be acceptable. As a result of the responses to technical questions, CH is considered technically acceptable.

### Technical Exceptions and Clarifications

CH, GE and SqD each provided technical clarifications and exceptions, which are listed in Attachments 2, 3 and 4. Summary of resolution is as follows:

#### Cutler Hammer

Several clarifications have been reviewed and Burns and Roe recommends that they be accepted. The balance of CH’s clarifications have been withdrawn or accepted as a result of the follow-up questions and responses.

#### General Electric

Major technical exceptions are not acceptable. Resolution of all clarifications and exceptions was not pursued.

#### Square D

Resolution of technical clarifications and exceptions was not pursued.

**List of Attachments**

- Attachment 1: Correspondence List – Cutler Hammer**
- Attachment 2: Technical Exceptions and Clarifications – Cutler Hammer**
- Attachment 3: Technical Exceptions and Clarifications – General Electric**
- Attachment 4: Technical Exceptions and Clarifications – Square D**
- Attachment 5: Technical Bid Data**
- Attachment 6: Unit Prices**

**List of Appendices**

- Appendix 1: Cutler Hammer correspondence**



**Attachment 1: Correspondence List - Cutler Hammer**

1. Proposal from Eaton Cutler Hammer dated 6/16/05.
2. Email dated 7/26/05 (10:39) from BRE to CH, regarding change in short circuit rating requirements.
3. Email dated 7/26/05 (14:27) from CH to BRE, regarding equipment ratings and pricing.
4. Email dated 8/16/05 (12:23) from CH to BRE, containing revised bill of materials.
5. Email dated 8/16/05 (12:33) from CH to BRE, containing revised pricing information.
6. Email dated 8/16/05 (15:14) from CH to BRE, regarding equipment dimensions.
7. Email dated 8/17/05 from CH to BRE, containing revised pricing and equipment dimensions.

## **Sampson, Lindsey J.**

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**From:** Peter Young [pyoung@CovantaEnergy.com]  
**Sent:** Tuesday, September 13, 2005 11:52 AM  
**To:** Sampson, Lindsey J.; Dennis Iavarone  
**Cc:** Amrit Sagar; Dennis Anacker; Jody Howard; Don D'Amico; Ira Rubin; Jim Kelly  
**Subject:** Selection & Recommendation - SE-204 480 V Substation

Gentlemen,

Based on B&R's 480 V Substation Bid Evaluation, dated August 26, 2005 and posted on August 29, 2005, Covanta concurs with B&R's selection and recommendation to purchase the subject package from Eaton Electrical / Cutler-Hammer. The following comments are for your consideration and guidance:

1. Commercial Terms & Conditions - This is the same vendor selected for the 15 KV switchgear and the 4160 Switchgear - the T&C's have already been agreed to with this vendor.
2. Price: Covanta concurs with B&R's recommended adjustments and Recommended Award Price of \$214,673. Price includes a \$7,843 cost to comply with the required warranty provisions - 2 year warranty (from installation but similar to 2 years from delivery) plus "in and out" coverage.
3. Project Estimate: \$288,865
4. Bond: Excluded. This is an equipment delivery only order, therefore County does not require a bond and is not included in the recommended award.
5. Payment Terms: 100% upon delivery to site, net 30 days.
6. Schedule: A delivery date of August 15, 2006 is consistent with the Project Schedule requirements.

B&R should proceed immediately with the following:

- 1) Review and incorporate Covanta's miscellaneous review comments marked on the Bid Evaluation sheets and posted on the website with this email;
- 2) Confirm that vendor shall conform to the terminations required by the Specification for the CT and external wiring;
- 3) Issue the County a purchase order term sheet that reflects the final agreements and understandings to be incorporated into the purchase order; and
- 4) issue the conformed specification, with all data sheet data filled-in, for inclusion in the purchase order.

B&R's original and current schedule for issuing this PO was July 5, 2005 and October 4, 2005, respectively. Covanta recommends that the County have this award approved by the BOCC by the October 4, 2005 BOCC Meeting.

Peter

-----Original Message-----

From: Carol Amico [mailto:camico@roe.com]  
Sent: Tuesday, July 26, 2005 12:39 PM  
To: Ekhalikar@aaesengineering.com; patmcivil@aol.com; Sagar, Amrit; Anacker, Dennis; Gounaris, Demetrios; Holmes, Jack; Howard, Jody; Duff, Michael; Young, Peter; Harbison, Russell;

Libertell,Trish; SAMPSOLJ@leegov.com; Andrew Preisler; Dennis Iavarone; Rubin,Ira; Joseph Craven; John Ferrari; Justin Mathew; Cole,Kevin; Patel,Manu; Sanda Brumaru; Stuhrke,Steve; jkelly1119@verizon.net  
Subject: LEE COUNTY Transmittal T-012 - SE-203B 15KV Switchgear & BusDuct Bid Evaluation

them under webprojects\vaults\02661-000-Lee County\BREI Released Documents\Current Revision\and then the applicable sub-vault.

Carol A. Amico  
Project Secretary  
Burns and Roe Enterprises, Inc.  
201-986-4292  
camico@roe.com