

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

Blue Sheet No. 2005 1354

1. ACTION REQUESTED/PURPOSE:

Approve award of formal quotation (RFP B&R 2661-SE 203A) and issuance of a purchase order to Eaton Electrical/Cutler Hammer, the low priced proposer, meeting all specification requirements for the 4160 Volt Switchgear in the not to exceed amount of \$219,840.00 plus an allowance of \$10,000.00 for field technical assistance if requested by County.

2. WHAT ACTION ACCOMPLISHES:

Provides the necessary 4160 volt switchgear for the Waste To Energy Expansion Project.

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

4. Departmental Category: 8

C8A

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 May 31, 2005. On that date four 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 8/24/05
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. Per SS. 1/18</i>	<i>N.A.</i>	<i>ADG 9/19</i>	<i>S. J. 9/24/05</i>	<i>9/20/05</i>	<i>9/20/05</i>	<i>9/20/05</i>	<i>9/20/05</i>	<i>J. J. J. 9/19/05</i>

11. Commission Action:

- Approved
- Deferred
- Denied
- Other

RECEIVED BY
COUNTY ADMIN: *PN*
9-20-05
2pm
COUNTY ADMIN
FORWARDED TO:
PN
9/20
9:30

RECEIVED
by CO. ATTY. *5*
10:00 am
CO. ATTY.
FORWARDED TO:
Admin
9-20-05

August 24, 2005

Deleted: April 13, 2005

**LEE COUNTY
WTE EXPANSION PROJECT
FORT MYERS, FLORIDA
RFP 2661-SE-203A
4160 V Switchgear
BID EVALUATION**

On April 29, 2005, Burns and Roe Enterprises, acting on behalf of Lee County, issued Request for Proposal No. (RFP) 2661-SE-203A for the supply of 4160 V Switchgear to the following pre-approved bidders: Eaton Cutler hammer, General Electric (GE); Tampa Armature Works (TAW); and Powell Electrical Manufacturing (PEM). All bidders responded to the RFP and submitted a proposal.

May 31, 2005 the bids were received, opened and recorded on the Proposal Opening Form herewith included, and found in Attachment 1.

Covanta was provided copies of the bids.

After review Tampa Armature were determined non-competitive and did not meet the technical requirements. GE is also determined to be technically unacceptable. No further consideration or evaluation conducted. See technical evaluation for details.

The two (2) evaluated bidders, Eaton and Powell were evaluated and with adjustments to each bid were found to be technically acceptable. Powell evaluated price was approximately 17% higher than Eaton. Commercial evaluation conducted with Eaton only.

RECOMMENDATION:

The recommended award of the contract is to Eaton Electrical / Cutler-Hammer. Recommended award price is \$222,340 FOB Jobsite, Freight Prepaid and Allowed and excludes cost of Bonds and Sales or Use Tax.

Base Price, as bid	\$224,866
Adjust to comply with Specifications	\$(10,690)
Adjust for Commercial Terms	<u>8,164</u>
Recommended Award Price:	\$222,340.

Less \$2500 per memo

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-203B "4160 V Switchgear (cont'd...)

COMMERCIAL EVALUATION:

Upon initial review the four (4) bids, Eaton and Powell were competitive. GE was determined technically unacceptable as they could not meet the specification. Tampa Armature's bid price was not competitive.

Powell's base price was approximately 8% higher than Eaton's. Adjustment (increase \$17,568) was made for Powell to furnish a transformer from an approved manufacturer. This increase Powell's bid to 17% higher than Eaton. As a result, no further consideration provided to Powell's bid.

Eaton Cutler Hammer bid price of \$224,866 was low. Technical adjustments reduced it to \$214,176. There is an adder \$8,164 to extended warranty and include all material, labor and shipping costs if necessary during the warranty period. Eaton's final price is \$222,340. Eaton took exception to the terms and conditions, delivery, submittal of documents, and freight charges. Final agreement of items:

- Services/Goods Purchase Conditions dated 8/05 (agreed to by Lee County and Eaton for 15kv Switchgear) will apply to this purchase.
- Delivery is August 15, 2006
- Submittal of approval documents:
 - 4 weeks ARO "Transformer Drawings" Factory issue
 - 6 weeks ARO "Front view and Floor Plan" proposal issue
 - 8 weeks ARO "Front view and Floor Plan" Factory issue
 - 8 weeks ARO "Elementary Drawings"
 - 10 weeks After drawing approval "Construction Drawings"
 - 8-10 weeks ARO "Composite Drawings"
 - \$1,800 Start-up/Commissioning spares included.
- Freight FOB Jobsite, prepaid and allowed.
- Field Technical Support during installation/start-up is an adder. Daily rate is \$1,200 per plus expenses billed at cost.
- Payment terms are 100% delivery net 30. No retention.

Based on the foregoing, and the technical comments attached, BREI Recommends Contract Award to Eaton Cutler-Hammer.

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Sampson, Lindsey J.

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/commments, please advise.

Don

BID ABSTRACT		4160 V Switchgear				
Burns and Roe Enterprises, Inc.		1	2	3	4	5
W/O: 2661 Lee County Expansion Project 2661-SE203A 4160V Switchgear		POWELL ELECTRICAL	EATON CUTLER-HAMMER	TAMPA ARMATURE	GE	
BUDGET: \$						
ITEM	QTY	UNIT	DESCRIPTION			
1	LOT	ea	BASE PRICE	\$ 245,036.00	\$ 224,866.00	\$ 243,534.00
2	LOT	ea	Transformer from acceptable mfg	\$ 17,568.00	-	not evaluated
			Sub-Totals	\$ 262,604.00	\$ 224,866.00	not evaluated
			+17%			
			No further review			
			Delete (2) starters, (1) vertical section, adder for 5KV future Bkr Commissioning/Start-up Spares	-\$ 10,690.00		
			Adder for Warranty	\$ 8,164.00		
			GRAND TOTAL	\$ 262,604.00	\$ 222,340.00	
			(No Tax or Bonds)			
			Drawings Submitted		8-10 wks ARO	
			Delivery of material		12-14 wks ADA	
			PAYMENT TERMS	NET30	NET30	
			F.O.B. Delivered DESTINATION	Houston, Texas	Jobsite	
			EXCEPTIONS			
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-203A
4160 V SWITCHGEAR 22**

SUMMARY

Request for Proposal 2661-SE-203A was issued on April 29, 2005, to four (4) bidders: Eaton Cutler Hammer, General Electric, Powell Electrical Manufacturing Co. and Tampa Armature Works.

Proposals were received from four (4) bidders: Eaton Cutler Hammer (CH), General Electric (GE), Powell Electric Manufacturing Co. (PE) and Tampa Armature Works (TAW). The RFP requested pricing for a new switchgear lineup (including 13.8 kV – 4160 V Transformer T22, 4160 V Switchgear 22 and 4160 V Motor Control Center 22-1, all close-coupled) and one add-on cubicle (with latched medium voltage 800A contactor) to be added to existing 4160 V Switchgear Bus 2. In addition to the base prices, the RFP requested option pricing for circuit breakers and contactor that are interchangeable with existing Westinghouse (now Cutler Hammer) circuit breakers and contactors.

Initial review of the bid proposals indicated that the TAW price was significantly higher than the other bidders. The prices for the other three vendors were within \$30,000.

The transformer offered by TAW was not from an approved manufacturer, and an appropriate substitute was not provided. TAW was removed from consideration. GE is not capable of providing a transition section from the existing 4160 V switchgear bus 2 to a new cubicle for the tie contactor. GE was removed from consideration.

Vendors quoted their own circuit breaker design in the base bid. Since CH and PE were responsive and competitive, their bids were evaluated in detail.

The result of the detailed bid evaluation (described herein) is that CH and PE are both considered technically acceptable. At the conclusion of the evaluation process, several minor technical issues were addressed with CH to obtain compliance with the latest design development issues (i.e., deletion of two (2) 4160 V motor starters for both circulating water pumps which have been assigned to 480 V system, and providing an equipped space for a future 4160 V circuit breaker).

DETAILED TECHNICAL EVALUATION

Technical Data Comparison

Specification SE-203A required technical data to be submitted using Pages A2-1 to A2-5 of Specification SE-203A, Pages A2-1 to A2-3 of Specification SE-214A, and Pages A2-1 & A2-2 of Specification SE-220A. The data submitted by CH, GE, PE and TAW has been tabulated to enable ease of comparison. This tabulation is included as Attachment 5. Questions were issued to each bidder to resolve missing or inconsistent technical data. These questions are included in Appendix 1, and the two remaining bidders have replied satisfactorily to all questions.

Follow-up Questions and Responses

During the course of the detailed technical evaluation, technical questions were issued to CH and PE. All questions and responses are attached to this evaluation; lists of correspondence with each bidder are shown in Attachments 1 and 2.

Switchgear 22 and Motor Control Center 22-1

CH and PE each quoted the new switchgear lineup containing the specified six (6) cubicles, two (2) circuit breakers, an equipped space for a future circuit breaker, five (5) contactors, a spare contactor and the instrument transformers, relays, and metering equipment necessary to comply with the specification and drawings. In addition, CH and PE each quoted the add-on cubicle (with 800A contactor) to be added to the existing 4160 V switchgear bus 2. CH and PE included a transition section to ensure that buswork can be connected. This transition section will be deleted if during detail design, the bidder determines that it is not required.

Interchangeable Circuit Breakers – New Switchgear

For the new switchgear lineup (Switchgear 22), breakers that are interchangeable with the existing switchgear would be preferable, but this option is not a necessity to mitigate a possible breaker failure, as follows:

The new Switchgear 22 will contain two (2) 1200 A circuit breakers, one for the incoming supply from transformer T22 and the second for the normally-open tie to the existing Switchgear Bus 2. A failure of the incoming supply breaker can be mitigated by inserting the tie breaker into the main breaker compartment. Procurement of Switchgear 21 containing the optional interchangeable circuit breakers is not a technical requirement, but should be exercised only if economically advantageous. Supply of interchangeable circuit breakers has not been pursued.

Technical Conformance

As shown by the detailed correspondence with the two bidders, many specific technical issues were reviewed and resolved with CH and PE. Each bidder provided a Bill of Material in their proposal. These Bills of Material were reviewed and questions were issued to the bidders as needed. Both bidders 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. Both bidders accepted this comment and acknowledged that their bill of material is "information only." Both bidder's proposed layout for the new switchgear was reviewed and questions were issued. Each bidder revised their layouts to be acceptable.

As a result of the responses from the bidders, CH and PE are each considered technically acceptable.

Technical Exceptions and Clarifications

CH and PE each provided technical clarifications and exceptions, which are listed in Attachments 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.

Powell Electric

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

List of Attachments

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

List of Appendices

- Appendix 1: Initial Questions to Bidders and Responses
- Appendix 2: Cutler Hammer follow-up correspondence
- Appendix 3: Powell Electric follow-up correspondence

Attachment 1: Correspondence List - Cutler Hammer

1. Proposal from Eaton Cutler Hammer dated 5/25/05.
2. Email dated 6/3/05 from CH to BRE, with information on VPE & VPI transformers.
3. Email dated 6/20/05 from BRE to CH, containing Questions 1 – 5.
4. Email dated 6/24/05 from CH to BRE, containing CH responses to Questions 1 – 5 and revised CH proposal.
5. Email dated 6/29/05 (12:29) from BRE to CH, regarding equipment dimensions.
6. Email dated 6/29/05 (12:41) from CH to BRE, containing revised CH responses to Questions 1 – 5 and Clarifications and Exceptions.
7. Email dated 6/30/05 from BRE to CH, regarding equipment dimensions.
8. Email dated 7/1/05 from BRE to CH, regarding grounding resistor.
9. Email dated 7/6/05 from CH to BRE, containing Clarifications.
10. Email dated 7/7/05 (7:35) from BRE to CH, requesting layout drawings/sketches.
11. Email dated 7/7/05 (12:04) from CH to BRE, containing layout sketches and price adder for addition of spare circuit breaker.
12. Documentation from meeting on 8/3/05, containing revised layout sketch and completed pricing sheets.
13. Email dated 8/4/05 from CH to BRE, containing revised transformer loss data.
14. Email dated 8/16/05 from CH to BRE, containing price deduct for deletion of 2 starters and a vertical section.
15. Sketch dated 7/8/05, with revised dimensions dated 8/3/05 and 8/16/05

Attachment 2: Correspondence List - Powell Electric

1. Proposal from Powell Electric dated 5/26/05.
2. Email dated 5/26/05 from PE to BRE, regarding MCC layout.
3. Email dated 6/17/05 from BRE to PE, containing Questions 1 – 12.
4. Email dated 6/27/05 from PE to BRE, containing PE responses to Questions 1 – 12 and transformer data sheet.
5. Email dated 6/28/05 from PE to BRE, containing completed forms from Attachment 2 & Attachment 3 of Specification SE-203A.

Sampson, Lindsey J.

From: Peter Young [pyoung@CovantaEnergy.com]
Sent: Tuesday, September 13, 2005 10:52 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-203A 4160 V Switchgear

Gentlemen,

Based on B&R's 4160 V Switchgear Bid Evaluation, dated August 24, 2005 and posted on August 26, 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 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 \$222,340. Price includes a \$8,164 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: \$213,861.
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) issue the County a purchase order term sheet that reflects the final agreements and understandings to be incorporated into the purchase order, and
- 2) 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 25, 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; SAMPOLJ@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