

WALK ON #5

DSW

Lee County Board Of County Commissioners
Agenda Item Summary

Blue Sheet No. 20051813

1. ACTION REQUESTED/PURPOSE:

Approve award of formal quotation (RFP B&R 2661-SE 215) and issuance of a purchase order to Areva T&D Inc., the sole proposer meeting all specification requirements for the High Voltage Circuit Breaker in the not to exceed amount of \$51,555.00.

2. WHAT ACTION ACCOMPLISHES:

Provides the necessary 138 kV breaker for the Waste To Energy Expansion Project.

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

4. Departmental Category: 8

WO #5

5. Meeting Date:

12-20-2005

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 October 4, 2005 for a high voltage breaker that will be used at the interface between the WTE facility and the FPL transmission system. On that date only one response was received although Burns and Roe had issued the RFP to three companies. Discussion with the other two companies indicated that neither was prepared to bid this item. 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 12/7/05, and technical evaluation.
Covanta's RFP review dated 12/16/05

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>Jamie</i> 12-19-05	NA per JS	NA			<i>12/19/05</i>	<i>12/19/05</i>	<i>12/19/05</i>	<i>12/19/05</i>	<i>Jamie</i> 12-19-05

11. Commission Action:

- Approved
- Deferred
- Denied
- Other

RECEIVED BY
 COUNTY ADMIN *BW*
 12/19/05
 3:30 pm
 COUNTY ADMIN *JS*
 FORWARDED TO:
 12/19/05
 4:00 pm

Rec. by CoAtty
 Date: 12/19/05
 Time: 3:03 pm
 Forwarded To:
 Admin 12/19/05

DeSalvo, Richard A.

From: Sampson, Lindsey J.
Sent: Monday, December 19, 2005 2:14 PM
To: Bennett, Margaret L.; Wolf, Emma K.
Cc: Covert, Scott S.; DeSalvo, Richard A.; Walker, Elizabeth K.
Subject: Walk-On BS for 12/20/05 Mtg; BS # 20051813
Attachments: WTE High Volt Breaker Bckup.pdf; WTE High Volt Breaker.doc

Dick,

Here is my final walk-on for tomorrow's meeting. The reason that this is a Walk-On is because it is necessary to get this item ordered during the holiday period in order for the equipment to be shipped to the project in a timely manner.

Thank you for the assistance.

Margie,

Attached is the Blue Sheet and Back-up information.

Lindsey J. Sampson
Lee County Solid Waste Division
sampsolj@leegov.com
Ph 239-338-3302
Fax 239-461-5871

Sampson, Lindsey J.

From: Peter Young [pyoung@CovantaEnergy.com]
Sent: Friday, December 16, 2005 11:14 AM
To: Sampson, Lindsey J.; Glenn, Fontana
Cc: Amit, Sagar; Joey Howard; Don D'Amico; Ira Rubin; Jim Kelly
Subject: Selection & Recommendation - SE-215 High Voltage Circuit Breaker

Hi Lindsey,

As per the email received from the vendor on 12/15/05, the vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker.

1. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker.

2. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker.

3. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker.

4. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker.

5. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker.

6. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker.

7. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker.

8. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker.

9. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker.

10. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker.

11. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker. The vendor has provided the following information and recommendations for the selection and purchase of the SE-215 High Voltage Circuit Breaker.

Best

Lindsey J. Sampson
Senior Project Engineer
Covanta Energy, Inc. 10000
Covanta Energy, Inc. 10000

September 7, 2005

**LEE COUNTY
WTE EXPANSION PROJECT
FORT MYERS, FLORIDA
RFP 2661-SE-215
High Voltage Circuit Breaker
BID EVALUATION**

Acting on behalf of Lee County, Burns and Roe on September 16, 2005 issued Request for Proposal 2661-SE-215 "High Voltage Circuit" for the engineering and furnishing of one Circuit Breaker. The RFP was issued to Areva T&O, Inc., ABB Power, Mitsubishi Electric Power Products and Siemens Power Systems Sales. Areva T&O, Inc. was the only company to submit a proposal. Siemens declined stating they do not manufacture a breaker at the required rating. ABB originally did not respond. After several conversations ABB advised although they manufacture breakers, they could not submit a competitive price due to the interrupting rating required. Areva did submit a proposal.

Areva's price to furnish a QT1-145 F1 is \$50,875 FOB Jobsite prepaid and allowed. There is a \$680 adder to extend from one year to 18/24 months.

Document submittal: 4-8 weeks ARO

Delivery: May 1, 2006 (12-14 weeks ARO) includes 2-week turnaround for drawing approval.
Based upon mid-January award:

Payment terms: 100% net 30 days after delivery, no retention

Freight: FOB Jobsite, prepaid and allowed

Spare Parts: not recommended or required.

Field Service Rates: \$1,300/day, plus expenses. None included or recommended

Training: one day of training is included.

Areva had two clarifications to the Services/Goods Purchase Conditions (see attached).
Payment to be made in 30 days after receipt and \$680 was added to bid price for extended warranty.

RECOMMENDATION:

The recommended award of the contract is to Areva T&O for the price is **\$51,555**, FOB Jobsite, Freight Prepaid and Allowed and excludes cost of Bonds and Sales or Use Tax.

TECHNICAL BID EVALUATION
REQUEST FOR PROPOSAL 2661-SE-215
HIGH VOLTAGE CIRCUIT BREAKER

SUMMARY

Burns and Roe Enterprises, acting on behalf of Lee County, issued Request for Proposal No. (RFP) 2661-SE-215 on September 16, 2005 for the supply of (1) High Voltage Circuit Breaker to the following pre-approved Bidders: ABB Power T&D Co., Areva T&D Inc., Mitsubishi Electric Power and Siemens Power Systems. The RFP requested pricing for one (1) three-phase, 138kV, dead tank, gas insulated (SF6) circuit breaker.

A bid proposal was received from Areva by October 4, 2005. Covanta was provided with a copy of the bid. ABB did not reply to the initial RFP. After discussion with Covanta, ABB was issued a second RFP on November 10, 2005. ABB declined to provide an offer on November 21, 2005. The other vendors have not provided a bid proposal to date; therefore, no other vendors are being considered.

During the evaluation process, minor technical issues were addressed in the form of technical questions to Areva (see Appendix 1). The questions and Bidder responses are covered in the Technical Evaluation on the following pages. Based on the Bidder's responses to the questions, engineering determined that Areva is technically acceptable.

TECHNICAL EVALUATION

Upon initial evaluation, Areva met the basic intent of the specification. Appendix 2 of Specification SE-215 requires submittal of technical data. The data supplied by Areva has been tabulated to enable ease of examination (see Attachment 2). Based on the preliminary evaluation, a set of bid conditioning comments/questions was prepared and sent to Areva on November 3, 2005 to further clarify technical issues taken by the Bidder.

Gas-Insulated (SF6) High Voltage Circuit Breaker

Areva's original offering was for one (1) gas insulated dead tank high voltage circuit breaker, Areva model HGF 1012 F1. After review of BREF's initial set of questions, Areva proposed an optional circuit breaker, Areva model DF1 145 G1. Both breaker types are technically acceptable. The major differences between the two (2) breaker types are summarized as follows:

Areva Model HGF 1012 F1

- Rated breaking current: 50 kA (requires a line to ground capacitance of 2,000 pF);
40 kA (without external capacitance);

Areva Model DT1-145 F1

- Rated breaking current: 45 kA (requires a N/R ratio of 17 [maximum])
- Not painted, all surfaces metallic (except for control cabinet)
- Self-sealing type isolation valves provided on each tank to facilitate removal of gas from single tank
- Extended maintenance cycle
- One piece interrupter enclosure

FOLLOW-UP QUESTIONS AND RESPONSES

During the course of the detailed technical evaluation, several sets of technical questions/clarifications were issued to Areva. All questions and responses are attached to this evaluation in Appendix I.

Technical Conformance

As shown by the detailed correspondence with Areva (see Appendix I), specific technical issues were reviewed and resolved. The summary of issues that were covered during the correspondence with Areva is as follows:

- Circuit breaker short circuit ratings
- Termination block types and quantities
- Isolation switches
- Confirmation of quantities of auxiliary relays

As a result of its responses, Areva is considered to be technically acceptable.

Technical Exceptions and Clarifications

Areva provided some technical clarifications and exceptions that are listed in Attachment I. As a result of the follow-up questions and responses, all technical exceptions and clarifications from Areva are considered acceptable.

RECOMMENDATION

Based on the foregoing, and the technical comments that follow, BREI recommends contract award to Areva T&D Inc. The recommended circuit breaker is Areva model DTI-145 F1. The Areva model DTI (rated 45 kA interrupting capacity) is similar to other circuit breakers in use in the FPL utility system and is a lower cost alternative to Areva's other offering (HGF breaker). A short circuit rating of 50 kA is not required in this application (Maximum utility short circuit contribution of about 19 kA with system N/R ratio of 1.5; calculated short circuit values do not exceed 40 kA at the Lazy Acres switchyard). Base price for this option is \$50,875 FOB Jobsite, FL. Freight Prepaid and Allowed and excludes cost of Bonds and Sales or Use Tax.

LIST OF ATTACHMENTS

Attachment 1: Technical Exceptions and Clarifications - Areva T&D Inc.

Attachment 2: Technical Bid Data

Attachment 3: Unit Prices

LIST OF APPENDICES

Appendix 1: Areva Correspondence