



City of Grand Island

Tuesday, May 06, 2003

Council Session

Item G3

#2003-126 - Approving Bid Award for Contract for Transmission Line Engineering Services

Background:

The Electric Department utilizes a 115,000 volt loop around and through the City as the backbone of the Electric Distribution system. Six substations on that loop are the source of power for the feeder circuits which provide power throughout the City. Electrical interconnections to the regional power grid and the City's power plant production are all on the 115,000 volt system. The system was built about 30 years ago and, over that time, peak electric loads have increased from approximately 65MW to 150MW.

Since initial transmission line construction, PGS was added in 1982 and last year the new Burdick Gas Turbines were constructed. Also, interconnections to the regional electric grid have been increased in capacity to continue to meet the growth in Grand Island's electric demand. Based on computer analyses, two sections of the 115,000 volt line need to be upgraded to meet this continuing growth. Therefore, the Electric Department budgeted funds for engineering design services and construction in the '03 - '04 capital improvements budget.

An RFP was prepared and advertised in accordance with City Purchasing Code for engineering services for this project.

Discussion:

Engineering services were estimated to cost \$150,000. Requests for Proposals were mailed to prospective engineering firms and advertised in The Grand Island Independent. Proposals from five firms were received:

Engineering Firm: 1)Power Engineers, Inc., Boise, Idaho - Total Score: 194 - Not to Exceed Cost: \$99,291. 2)DeWild, Grant, Reckert & Assoc. Co., Rock Rapids, Iowa - Total Score: 211 - Not to Exceed Cost: \$117,000. 3)Olsson Associates, Lincoln, Nebraska - Total Score: 165 - Not to Exceed Cost: \$130,000. 4)Advantage Engineering, Inc., Chesterfield, Missouri - Total Score: 220 - Not to Exceed Cost: \$150,100. 5)HDR, Inc., Omaha, Nebraska - Total Score: 172 - Not to Exceed Cost: \$463,000.

Each proposal was independently evaluated by three of the Electric Department's engineers. The evaluation criteria were stated in the Request for Proposals: (1) Proposal Responsiveness, (2) Company Experience, (3) Personnel Experience, (4) Commercial Terms, (5) Not to Exceed Amount, and (6) Engineering Fees. Advantage Engineering attained the highest score.

The Electric Department has used Advantage Engineering in the past for major substation and transmission projects, Advantage Engineering has demonstrated the technical competence to perform the required transmission line modifications design and engineering services.

Recommendation:

Advantage Engineering, Inc., presented the most responsive proposal, at a competitive firm price. It is recommended that AEI be hired to perform Transmission Line Engineering Services for a firm price of \$150,100.

Fiscal Effects:

Funds are budgeted in Electric Enterprise Fund 520 for '03 - '04.

Alternatives:

Award the Transmission Line Engineering Services Contract another engineering firm. See attached RESOLUTION.

Staff Contact: Gary Mader;Dale Shotkoski



Dale M. Shotkoski, Assistant City Attorney

*Working Together for a
Better Tomorrow, Today*

**REQUEST FOR PROPOSAL
FOR**

115kV Transmission Line Engineering Services

RFP DUE DATE: April 8, 2003
DEPARTMENT: Utilities – Phelps Control
PUBLICATION DATE: February 28, 2003

SUMMARY OF PROPOSALS RECEIVED

| | |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <u>Power Engineers</u> 1295 South Eagle Flight Way Boise, ID 83709 | <u>HDR</u> 8404 Indian Hills Drive Omaha, NE 68114 |
| <u>Advantage Engineering, Inc.</u> 769 Spirit of St. Louis Blvd. Chesterfield, MO 63005 | <u>DeWild Grant Reckert & Assoc.</u> 1302 South Union Street Rock Rapids, IA 51246 |
| <u>Olsson Associates</u> 1111 Lincoln Mall Lincoln, NE 68501 | |

cc: Gary Mader, Utilities Director
Burhl Gilpin, Phelps Control
RaNae Edwards, City Clerk
David Springer, Finance Director
Dale Shotkoski, Purchasing Agent

Electrical Engineer P.E.

| | DGR | HDR | AEI | OA | PEI |
|-----------------------------------|------------|------------|------------|-----------|------------|
| Proposal Responsiveness (1 to 20) | 17 | 20 | 19 | 13 | 15 |
| Company Experience (1 to 20) | 16 | 18 | 12 | 14 | 17 |
| Personnel Experience (1 to 20) | 16 | 15 | 18 | 14 | 17 |
| Commerical Terms (1 to 10) | 9 | 8 | 10 | 7 | 5 |
| Not to Exceed Amount (1 to 10) | 10 | 1 | 9 | 7 | 8 |
| Engineering Fees (1 to 10) | 9 | 1 | 10 | 7 | 8 |
| TOTALS | 77 | 63 | 78 | 62 | 70 |

Electrical Engineer II

| | DGR | HDR | AEI | OA | PEI |
|-----------------------------------|------------|------------|------------|-----------|------------|
| Proposal Responsiveness (1 to 20) | 20 | 16 | 16 | 16 | 12 |
| Company Experience (1 to 20) | 16 | 8 | 12 | 16 | 20 |
| Personnel Experience (1 to 20) | 8 | 12 | 16 | 16 | 20 |
| Commerical Terms (1 to 10) | 10 | 6 | 8 | 8 | 4 |
| Not to Exceed Amount (1 to 10) | 8 | 2 | 4 | 6 | 10 |
| Engineering Fees (1 to 10) | 8 | 4 | 10 | 2 | 6 |
| TOTALS | 70 | 48 | 66 | 64 | 72 |

Assistant Utilities Director

| | DGR | HDR | AEI | OA | PEI |
|-----------------------------------|------------|------------|------------|-----------|------------|
| Proposal Responsiveness (1 to 20) | 14 | 18 | 16 | 10 | 10 |
| Company Experience (1 to 20) | 10 | 16 | 18 | 6 | 14 |
| Personnel Experience (1 to 20) | 14 | 18 | 16 | 6 | 12 |
| Commerical Terms (1 to 10) | 7 | 3 | 10 | 6 | 2 |
| Not to Exceed Amount (1 to 10) | 9 | 2 | 7 | 8 | 7 |
| Engineering Fees (1 to 10) | 10 | 4 | 9 | 3 | 7 |
| TOTALS | 64 | 61 | 76 | 39 | 52 |

| | | | | | |
|---------------|------------|------------|------------|------------|------------|
| Totals | 211 | 172 | 220 | 165 | 194 |
|---------------|------------|------------|------------|------------|------------|

RESOLUTION 2003-126

WHEREAS, the City of Grand Island invited proposals for 115kV Transmission Line Engineering Services, according to plans and the Request for Proposals on file at Phelps Control Center; and

WHEREAS, proposals were due on April 8, 2003; and

WHEREAS, Advantage Engineering, Inc. of Chesterfield, Missouri, submitted a proposal in accordance with the terms of the Request for Proposals and all other statutory requirements contained therein; such proposal being in the amount of \$150,100.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the proposal of Advantage Engineering, Inc. of Chesterfield, Missouri for 115kV transmission line engineering services in the amount of \$150,100 is hereby approved as the best evaluated proposal received.

BE IT FURTHER RESOLVED, that a contract be entered into between the city and such contractor for such project; and the Mayor is hereby authorized and directed to execute such agreement on behalf of the City of Grand Island.

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Adopted by the City Council of the City of Grand Island, Nebraska, May 6, 2003.

RaNae Edwards, City Clerk