



# **RFQ 6230**

## **Denton Energy Center**

### **Owner's Engineer**

### **Item 16-1612 Approval**

**City Council**

**March 21, 2017**



# **Topics for Discussion**

- **Purpose of an Owner's Engineer**
- **Evaluation Team**
- **Evaluation Summary**
- **Current Status**
- **Scope of Work**
- **Staff Recommendation**
- **Next Steps**



# Purpose of an Owner's Engineer

**RECAP**

- **Required pursuant to Texas Government Code 2269, Section 2269.355 and 2269.356 for Design-Build contracts**
  - Oversight of design and construction
  - Independent inspection and testing services
  - Verification testing services
- **The cost of the Owner's Engineer scope is included in the overall project budget**



# Budgeted Items and Cost

Item	Status	Budgeted/Estimated Cost
Equipment and Construction of Facility	Contracts Executed	\$196,505,561
Land	Contracts Executed	\$3,193,481
Jim Christal Substation Upgrade (TCOS)	Contracts Executed	\$7,000,000
Owner's Engineer	March 21, 2017	\$963,930
SCADA System	Contracts Executed	\$446,318
Fuel Supply Equipment Yard	April 4, 2017	\$988,984
Phase 1 Water Line (Fire Protection)	Contracts Executed	\$530,485
Phase 2 Water Line (Fire Protection)	Summer 2017	\$2,250,000
Wastewater Line	Summer 2017	\$1,500,000
IT/Communications Equipment	Spring 2017	\$1,053,682
Fuel Supply Infrastructure	Spring 2017	\$1,800,000
Landscape Buffer	Spring 2018	\$150,000
Contingency	N/A	\$10,617,559
<b>Total</b>		<b>\$227,000,000</b>

- After June 1, the City of Denton will have obligated \$155 million towards the Denton Energy Center.



# Evaluation Team

**RECAP**

- **Shelby Maloy – EMO**
- **Jose Gaytan – EMO**
- **Jerry Fielder – Electric Engineering**
- **Chris Lutrick – Electric Engineering**

# **RFQ Evaluation Criteria (EC)**

**RECAP**

- **EC1: Understanding of the City's requirements (20%)**
- **EC2: Experience on similar projects (40%)**
- **EC3: Respondent and key personnel qualifications (40%)**



# RFQ 6230 Evaluation Summary

Qualified Respondents	EC1 (20%)	EC2 (40%)	EC3 (40%)	Total (%)
Leidos	20%	40%	40%	100%
Black & Veatch	20%	40%	40%	100%
Stanley Consultants	20%	40%	40%	100%
Zachry Group	20%	40%	40%	100%
Kiewit	20%	38%	40%	98%
Sega, Inc.	20%	36%	36%	92%
Enercon	20%	35%	35%	90%

**RECAP**



**RECAP**

# RFQ 6230 Evaluation Summary

Qualified Respondents	References	Years Experience (Personnel)	EPC Relation	Texas Experience	Project size and complexity of 220 MW	Texas P.E.	Texas Office
Leidos	96%	255 yrs.	✓	✓	✓	✓	✓
Black & Veatch	96%	223 yrs.		✓	✓	✓	✓
Stanley Consultants	97%	188 yrs.		✓		✓	✓
Zachry Group	81%	*					

\*Due to low reference scores of projects of similar size and complexity Zachry Group was excluded from further consideration





# **Current Status**

- **On 12/12/2016, PUB previously recommended approval of Leidos as Owner's Engineer**
  - **The City and Leidos could not come to agreement on insurance coverage issues**
- **On 03/13/2017, PUB subsequently approved 2<sup>nd</sup> rated respondent, Black and Veatch, as Owner's Engineer**
- **Black and Veatch has approved the Owner's Engineer Contract**
- **Scope of work is an Exhibit to the contract**



# Scope of Work

- **Design and Construction Support**

- **EPC Vendor Management**
- **Engineering and Design Review**
- **Construction Monitoring**
- **Commissioning and Start-up Review**

- **Air Emissions Testing**

- **Develop Emissions Testing Specifications**
- **Bid Review and Contract Conformance**
- **Review Emissions Contractor Test Protocol**
- **Attend TCEQ Meeting Prior to Testing**
- **Test Coordination/Contract Supervision**
- **Review Emissions Test Reports**



# **Recommendation**

**PUB and Staff recommends City Council approve a contract with Black and Veatch in an amount not to exceed \$963,930 for Owner's Engineer services.**

