



Memorandum

To: Honorable Mayor and Members of the City Council
CC: Members of Administration and Public Works Committee
From: Paul Moyano, Senior Project Manager
CC: Edgar Cano, Public Works Agency Director; Lara Biggs, Capital Planning & Engineering Bureau Chief / City Engineer
Subject: Approval of an Agreement Award with Greeley and Hansen LLC for the Water Plant 4160V Electrical System Reliability Project (RFP 22-30)
Date: September 12, 2022

Recommended Action:

Staff recommends the City Council authorize the City Manager to execute an agreement with Greeley and Hansen LLC (100 South Wacker Drive, Suite 1400, Chicago, IL 60606) for the Water Plant 4160V Electrical System Reliability Project (RFP 22-30) in the amount of \$597,280.00.

Funding Source:

Funding for this project is from the Water Fund (Account No. 513.71.7330.62145 – 722002), which has an FY 2022 budget of \$400,000. Work will continue through at least 2025, and additional funds will be budgeted in future years to complete the project.

City staff intends to pursue a low interest loan from the Illinois Environmental Protection Agency (IEPA) State Revolving Fund (SRF). The loan is only issued after the design is complete and a contractor has been selected. If the City is successful in obtaining the loan, eligible engineering and construction costs would be funded by the loan.

CARP:

Municipal Operations, Renewable Energy, Emergency Preparedness & Management

Council Action:

For Action

Summary:

The Evanston Water Plant maintains over 330 million gallons per day of pumping capacity that is primarily driven off of a 4160 Volt electrical system. A portion of the switchgear that controls this system was installed in 1964. Two generators currently provide backup power to the water

plant electrical supply. These generators were installed in 1985/1999 and are undersized to meet current demands. This critical equipment is past its useful life and in need of replacement.

Replacement of this electrical equipment will be a multi-year effort. Work under this contract will include an early study to determine the appropriate size, configuration, and location of the new system to meet the unique reliability requirements of the Water Plant. Once the appropriate system is defined, a detailed design and bid package will be developed detailing the electrical and structural modifications to the water plant necessary to support the new equipment. Engineering support will then be required through construction to ensure proper installation and startup.

Analysis:

On April 21, 2022, the City issued a Request for Proposal. On May 4, 2022, the City received five proposals from the following consulting firms:

Consultant	Address	Proposal Total Price
Valdes Engineering Company	100 West 22nd Street Lombard, IL 60148	\$724,657.00
Carollo Engineers, Inc.	8600 W. Bryn Mawr Avenue, Suite 900N Chicago, IL 60631	\$1,133,758.23
Greeley and Hansen LLC	100 South Wacker Drive, Suite 1400 Chicago, IL 60606	\$1,144,057.00
CDM Smith Inc.	125 South Wacker Drive, Suite 700 Chicago, IL 60606	\$1,438,487.80
Stantec Consulting Services Inc.	350 North Orleans Street, Suite 1301 Chicago, IL 60654	\$1,932,059.00

The proposal review team consisted of:

- Darrell King, Bureau Chief – Water Production
- Tim Gray, Pumping Chief
- Kevin Zeoli, Filtration Chief
- Bill Thomas, Project Management Supervisor / Pumping
- Stephen Quinn, Project Management Supervisor / Filtration
- Paul Moyano, Senior Project Manager
- Ron Papa, Civil Engineer II
- Linda Thomas, Purchasing Specialist
- Karra Barnes, CMMS Specialist

The proposals were reviewed based on firm qualifications and expertise; project team qualifications and expertise; project approach; price; willingness to execute the City's

professional services contract; organization and completeness of the proposal; and M/W/EBE participation. The proposals were rated and the scoring is as follows:

Firm	Firm Quals and Expertise	Project Team	Project Approach	Total Price / Level of Effort	Willingness to Execute Agreement	Completeness of Proposal	M/W/EBE Participation	Total Score	Interview	Final Total Score
Maximum Points	15	20	15	20	10	10	10	100	10	110
Greeley and Hansen, LLC	14	18	13	15	10	9	10	89	8	97
CDM Smith, Inc.	14	18	13	11	10	9	10	85	9	94
Carollo Engineers, Inc.	11	13	12	15	10	9	9	79	n/a	n/a
Stantec Consulting Services, Inc.	11	14	11	5	10	7	9	67	n/a	n/a
Valdes Engineering Company	7	9	7	20	9	8	0	60	n/a	n/a

After evaluation of the proposals, the two firms with the highest scores were invited for an interview. Interviews were scored and the firm with the highest overall score was Greeley and Hansen, LLC. They assembled a highly-qualified team capable of performing the work, demonstrated a thorough understanding of the project, and provided a thoughtful approach to successfully completing the work. Greeley and Hansen designed the 1923 expansion of the water plant, and has updated several iterations of the water plant electrical safety program over the past years, most recently in 2021.

The proposals all included costs for engineering services through design and construction and were evaluated on the total cost. Staff recommends authorizing only tasks needed for design through bidding the construction contract at this time. Once design is complete, the engineering services during construction will be re-evaluated and negotiated based on the scope and costs included in the original proposal and adjusted to reflect the final design. Engineering services during construction will then be authorized as an amendment to this contract. The proposed cost for services through bidding is \$594,099.00.

Greeley and Hansen, LLC. recommended including an Electrical Safety Design Workshop in the project that was not part of the original scope of work for an additional cost of \$3,181.00. Staff agrees with this recommendation. The total recommended amount of the initial agreement including the workshop is \$597,280.00.

Because the City intends to fund portions of this project through the IEPA SRF Program, the IEPA DBE goals must be followed in lieu of the City's M/W/EBE goals. The IEPA loan rules do not recognize EBE as a DBE. The IEPA fair share percentages are 5% for MBEs and 12% for WBEs, for a combined DBE participation of 17%. Greeley and Hansen, Inc. is proposing to exceed the IEPA goals and meet the City's M/W/EBE goal of 25% participation by utilizing 9% MBE and 16% WBE. A memo reviewing compliance with the City's M/W/EBE program is attached.

Attachments:

[RFP 22-30 MWEBE Memo 4160V Electrical Reliability final](#)