



City of Arts & Innovation

City Council Memorandum

TO: HONORABLE MAYOR AND CITY COUNCIL **DATE: JANUARY 9, 2018**

FROM: PUBLIC WORKS DEPARTMENT **WARDS: ALL**

SUBJECT: DESIGN-BUILD AGREEMENT FOR THE REPLACEMENT OF BLOWER NO. 2 AT THE REGIONAL WATER QUALITY CONTROL PLANT REQUEST FOR PROPOSAL NO. 1669 WITH B.R. FROST COMPANY, OF HUNTINGTON BEACH, CALIFORNIA, IN THE AMOUNT OF \$995,400

ISSUE:

Approve a Design-Build Agreement for the Replacement of Blower No. 2 at the Regional Water Quality Control Plant from Request from Proposal No. 1669 with B.R. Frost Company, of Huntington Beach, California, in the amount of \$995,400.

RECOMMENDATIONS:

That the City Council:

1. Approve a Design-Build Agreement for the Replacement of Blower No. 2 at the Regional Water Quality Control Plant from Request from Proposal No. 1669, with B.R. Frost Company, in the amount of \$995,400; and
2. Authorize the City Manager, or his designee, to execute the Design-Build Agreement with B.R. Frost Company and make minor, non-substantive changes.

BACKGROUND:

In 2003 the Regional Water Quality Control Plant (RWQCP) completed the Aeration Basin Upgrade Project, which included the construction of a building and installation of five air supply blowers. The five blowers supply air necessary to operate the facility's biological secondary treatment process.

The five blowers were purchased and installed as proprietary equipment by the manufacturer, Turborex, Inc. (Turborex), who is solely authorized to complete equipment maintenance and supply replacement parts. In 2010 Turborex was sold to Siemens Energy, Inc. (Siemens). The City's service agreement has expired with Siemens and execution of a new service agreement has been difficult. In addition, there are now alternative non-proprietary air supply blowers available on the market that the City can consider purchasing and installing.

DISCUSSION:

In July of 2016, Blower No.2 became inoperable. This was due to a bearing failure, which led to internal impeller damage beyond repair. Since we have been unable to secure a service agreement with Siemens for the repair of Blower No. 2 it has been taken off-line. The result is that the biological secondary treatment process has one less air supply blower to utilize which decreases the required number of available standby units.

In March 2017, RFP No. 1669 was issued to provide design/build services to procure and install a replacement blower for Blower No. 2. The new air supply blower will be manufactured by APG Neuros. The RWQCP recently installed three of these blowers as part of the Phase 1 Rehabilitation and Expansion construction project. The APG Neuros blowers have a proven track record, have fewer moving mechanical parts and are more energy efficient. More importantly, they can be maintained and serviced by RWQCP maintenance personnel through certified training by the manufacturer. Therefore, a complicated service agreement is not necessary. Parts can be ordered and replaced through APG Neuros since City personnel are factory trained service providers.

On May 8, 2017, two proposals were received, one by B.R. Frost Company and the other by GSC. Through the evaluation criteria set forth within the RFP, B.R. Frost Company provided the best overall cost and value to the City. Detailed negotiations with B.R. Frost Company commenced and a lower design/build cost was finalized.

The Purchasing Manager concurs that the recommended action complies with the City of Riverside Purchasing Resolution 22576.

Staff is planning to replace the remaining four Turblex Blowers over time as they reach the end of their service life or become inoperable. Overall this will standardize all the air supply blowers at the RWQCP, which will yield a higher cost-effective operation and maintenance program.

FISCAL IMPACT:

Funds are available in the Public Works, Sewer Projects, Plant 2 Blower No. 2 Rehabilitation/Replacement account number 9897723-440301.

Prepared by: Kris Martinez, Public Works Director
Certified as to
availability of funds: Adam Raymond, Chief Financial Officer/City Treasurer
Approved by: Al Zelinka, FAICP, Assistant City Manager
Approved as to form: Gary G. Geuss, City Attorney

Attachments:

1. Design/Build Services Agreement
2. RFP Award Recommendation