



AGENDA MEMORANDUM

Action Item for the City Council Meeting of July 16, 2019

DATE: May 13, 2019

TO: Peter Zaroni, City Manager

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Construction Contract
Frost Bank Emergency Generator Replacement
(Asset Management Operational)

CAPTION:

Motion awarding a contract to Austin Generator Service for removal and replacement of the Frost Bank Emergency Generator in the amount of \$474,765.52 to support the Emergency Operational Center (EOC) during critical events as funded in the FY2019 Asset Management and Facilities Fund.

PURPOSE:

This project replaces the existing deteriorating emergency generator at Frost Bank that supports the Emergency Operational Center (EOC) in event of an emergency.

BACKGROUND AND FINDINGS:

Development Services Department, Fire Department Head Quarters and EOC are located in the Frost Bank Building. In August 2017, Hurricane Harvey made landfall 25 miles north of Corpus Christi and EOC's emergency generator failed forcing the EOC team to relocate during the storm.

The existing generator is approximately 18 years old and beyond economic service life. Replacement components are obsolete, and the existing generator does not meet the electrical capacity needed to perform adequately. The proposed replacement will accommodate capacity necessary to supply power to the entire building in the event of a power outage.

This project removes the existing diesel generator and installs a new natural gas generator. Alternative locations were discussed among stakeholders and determined the size of new

generator would encroach on two (2) accessible parking spaces in the current location. The secondary location on the southwest side of the building conflicts with the fire lane. Stakeholders agreed the least impactful location would involve eliminating three (3) standard parking spaces in a different location on the property to accommodate the size and allow access for routine maintenance.

BASE BID:

Scope of work for this project involves removal of existing 400kW diesel emergency generator and replacement with a new 500kW natural gas emergency generator. The scope includes:

- New concrete pad
- 1600 amp automatic transfer switch
- Electrical service upgrades
- Miscellaneous improvements
- Temporary generator (if needed during construction)

On May 1, 2019 the City received proposals from four (4) bidders. One bidder submitted their proposal with a condition and therefore was determined as non-responsive. A summary of the bids is provided below.

BID SUMMARY	
CONTRACTOR	BASE BID
Austin Generator Service Austin, TX	\$474,765.52
Mako Contracting, LLC Corpus Christi, TX	\$624,338.24
G.F. McDonald Electric, Inc. Houston, TX	\$687,969.00
JE Construction Services Corpus Christi, TX	\$739,598.00
<i>Engineer's Opinion of Probable Cost</i>	\$711,773.58

ALTERNATIVES:

1. Authorize execution of construction contract. (Recommended)
2. Do not authorize execution of construction contract. (Not Recommended)

OTHER CONSIDERATIONS:

The benefit of a new generator include: lower exhaust emissions, reduce noise levels and lower operational cost because it's fueled by natural gas. Whenever an event affects production at oil refineries, our supply of Diesel fuel can become constrained. Because our Natural Gas distribution system is looped and we have three purchase points, our Natural Gas system is extremely reliable.

CONFORMITY TO CITY POLICY:

Complies with statutory requirements for construction contract procurement. Conforms to FY 2019 Capital Improvement Planning (CIP) Budget.

EMERGENCY / NON-EMERGENCY:

Non-Emergency

DEPARTMENTAL CLEARANCES:

Asset Management

FINANCIAL IMPACT:

X Operating ☐ Revenue ☐ Capital ☐ Not applicable

Fiscal Year 2018-2019	Project to Date Expenditures (CIP only)	Current Year	Future Years	TOTALS
Budget		614,906.48		614,906.48
Encumbered / Expended Amount		10,469.00		10,469.00
This item		474,765.52		474,765.52
Future Anticipated Expenditures This Project		93,865.96		93,865.96
BALANCE		35,806.00		35,806.00

Fund(s): Facility and Property Mgmt Operational (Fund 5115)

RECOMMENDATION:

Staff and GPM Engineering recommend awarding the construction contract to Austin Generator Service of Austin, Texas.

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Location Map
Presentation
Letter of Recommendation