



AGENDA MEMORANDUM

First Reading for the City Council Meeting of April 27, 2021
Second Reading for the City Council Meeting of May 11, 2021

DATE: April 27, 2021

TO: Peter Zaroni, City Manager

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Construction Contract

Fire Station Generator Replacement-Multiple Locations
(Bond 2018 - Proposition E)

CAPTION:

Ordinance awarding a construction contract to Facilities Solutions Group, Corpus Christi, Texas, for the Fire Station Generator Replacement Projects to replace and upgrade generators at Fire Stations 1, 5, 7, 8, 9, 10, and 12, located Citywide, in an amount not to exceed \$412,725.00 with FY 2021 funding available from the Fire Capital Fund; and amending the Capital Improvement Program.

SUMMARY:

This item awards a construction contract for the Fire Station Generator Replacement projects. The project scope consists of replacing emergency generators at seven fire stations that include Fire Stations Number 1, 5, 7, 8, 9, 10, and 12. Fire Station Number 5 will be securing the used emergency generator currently at Fire Station Number 1. The work scope will include upgrading various electrical subcomponents necessary to provide the capacity required to handle the emergencies and carry the design loads of the fire stations.

BACKGROUND AND FINDINGS:

The City of Corpus Christi has 18 fire stations that serve the City during emergencies. In February, the City went through an extreme weather event where many parts of the City lost power and

several fire stations were impacted. Fire Station's 1, 5, 7, 8, 9, 10, and 12 do not have emergency generator sets large enough to power the entire stations. Each of these locations is at risk of not effectively maintaining operations if emergency backup power is needed. Currently, the City has a service agreement with Loftin Equipment Company, Inc. which responds to maintenance requests when they are needed. These services cost the City \$19,350.00 annually for the maintenance of the generators at all fire stations including the Fire Department's warehouse. The City will now utilize a Master Service Agreement instead of individual service agreement contracts for future generator maintenance and repairs.

The scope will consist of upgrading the emergency generator with new natural gas generator units to sustain the fire stations during an emergency. The buildings' electrical feeds will be upsized and re-routed to accommodate the increased loads required to power the entire stations. Automatic transfer switches and necessary additional electrical panels are included in the design to allow the loads to be distributed and automatically shed in a power failure event.

This project is necessary due to its impact on the Corpus Christi Fire Department's ability to respond in times of need when emergency backup power is required. Upon project completion, the newly installed generators, automatic transfer switches, and supporting electrical systems will provide continuous power to the stations. This project will ensure all fire station functions and equipment remain powered when critical emergency operations rely on the most.

The City will be replacing 10 of the 18 generators this fiscal year (seven with this contract and three additional will be presented to Council in separate contracts), and the Fire Department will plan the replacement of the remaining generators in the future fiscal years.

PROJECT TIMELINE:

| |
|---------------------|
| 2021 |
| April – June |
| Construction |

Project schedule reflects City Council award in April 2021 with anticipated completion in 120 days by June 2021.

COMPETITIVE SOLICITATION PROCESS

The Contracts and Procurement Department issued a Request for Bids on January 18, 2021 and the bids were opened on February 24, 2021. The City received four bids. The City analyzed the bids in accordance with the contract documents and determined Facilities Solutions Group is the lowest responsive and responsible bidder.

The bid results are summarized below.

| BID SUMMARY | |
|----------------------------|-----------------|
| CONTRACTOR | BASE BID |
| Facilities Solutions Group | \$412,725.00 |
| CRI Electric, Inc | \$623,422.00 |

| | |
|---|---------------------|
| Wachter Electric | \$641,600.00 |
| Rural Electric, Inc | \$825,705.00 |
| Engineer's Opinion of Probable Construction Cost | \$372,813.00 |

Facilities Solutions Group has previously completed City projects such as Daktronics video board installation for the American Bank Center, upgraded LED parking lot lights for the Public Health District, upgraded LED rooftop lights for City Hall, and replaced old generators for TXDOT.

ALTERNATIVES:

City Council could reject the bids and advise to re-advertise or the City could alter the design to replace the emergency generator with "in-kind" replacements, but that may hinder the fire department's ability to self-sustain and respond during power outages and other emergencies.

FISCAL IMPACT:

The fiscal impact for FY 2021 is an amount of \$412,725.00 with funding available from the Fire Capital Fund. The Capital Improvement Program (CIP) will be amended to include Fire Station 5 and 10 generator replacements projects, and to revise the project expenditures for all fire station generator replacements projects based on the received construction bids. The CIP budgeted a cumulative project expenditure total of \$337,270.00 which reflects the estimate prior to the added scope increase of \$75,455.00. The additional funding is supplemented through projects savings outlined in the funding detail below.

FUNDING DETAIL:

The CIP shows that the projects are planned for FY 2021. The CIP is being amended to include Fire Station 5 and 10 generator replacements and adjust project expenditures for each Fire Station generator replacement. The cumulative project expenditures total an amount of \$337,270.00 which reflects the estimate prior to the added scope increase of \$75,455.00. The \$75,455.00 is being supplemented through project savings of \$49,000.00 from project 18179A Fire Department Warehouse and \$27,000.00 from project 18180Y Fire Parking Renovations, Fire Station 3 removal of scope of work.

Fund: **Fire Bond 2018 Fund (Fund 3192)**
Mission Element: 091 – Fire Activities
Project: Fire Station #1, 5, 7, 8, 9, 10, & 12 Generator Replacement (18180): Please reference projects 18180T, 18180H, 18180I, 18180J, and 18180MA in the FY 2020-2021 Capital Budget.
Account: Construction (550910)
Activity: 18180-T,F,H,I,J,R&U-3192-EXP
Amount: \$412,725.00

RECOMMENDATION:

Staff recommends awarding a construction contract for Fire Stations Generator Replacement Project to Facilities Solutions Group.

LIST OF SUPPORTING DOCUMENTS:

Ordinance
Location Maps
Contract
Bid Tabs
Current and Draft CIP Pages