



AGENDA MEMORANDUM

Action Item for the City Council Meeting of October 29, 2019

DATE: October 22, 2019

TO: Peter Zanoni, City Manager

THRU: Keith Selman, Assistant City Manager
keithse@cctexas.com
(361) 826-3898

FROM: Jeff H. Edmonds, P. E., Director of Engineering Services
jeffreye@cctexas.com
(361) 826-3851

David Lehfeldt, Deputy Director of Solid Waste Services
davidl3@cctexas.com
(361) 826-1718

Kim Baker, Director of Contracts and Procurement
kimb2@cctexas.com
(361) 826-3169

**Professional Services Contract
Cefe Valenzuela Cells 1B, 1C & 3C Gas Collection and Control System**

CAPTION:

Motion awarding a contract to SCS Engineers of Bedford, Texas for design of the Cefe Valenzuela Gas Collection and Control System (GCCS) expansion in Cells 1B, 1C and 3C in the amount of \$163,500, effective upon issuance of notice to proceed, with funding approved and available from budgeted Solid Waste Capital Improvement Funds.

SUMMARY:

This contract provides for design, bid and construction quality assurance services for the expansion of the GCCS into cells 1B, 1C and 3C located at Cefe Valenzuela Landfill.

BACKGROUND AND FINDINGS:

The Cefé Valenzuela Landfill is governed by federal regulations that control air emissions. The New Source Performance Standards (NSPS) are contained in 40 CFR 60, Subpart WWW. These regulations require that landfills have a Gas Collection and Control System (GCCS) in place to control landfill gas from waste that has been in place 5 years or more if at intermediate grade, or 2 years or more at final permitted grade. Therefore, a GCCS expansion into Cells 1B and 1C is required to be fully constructed and operational by June 2, 2021 because initial waste placement into Cells 1B and 1C began shortly after the cell commissioning on June 1, 2016. The GCCS expansion into Cell 3C must be constructed and in operation by October 9, 2023, based on that cell's first waste placement date of October 9, 2018. See table below:

GCCS Expansion table

Cells	Grade	Date of initial placement	Needed date of replacement
1B	Intermediate	June 1, 2016	June 2, 2021
1C	Intermediate	June 1, 2016	June 2, 2021
3C	Intermediate	October 9, 2018	October 9, 2023

This contract provides for design and construction document preparation for expansion of the GCCS located at Cefe Valenzuela Landfill into cells 1B, 1C and 3C. Following the design, the construction will occur in two phases. Cells 1B and 1C will be constructed first in order to meet the June 2021 deadline and Cell 3C will be scheduled to meet October 2023 deadline.

The engineering services contained in this contract are summarized below:

- Prepare detailed design and the construction bid documents
- Provide construction phase engineering and quality assurance support
- Landfill Gas (LFG) Extraction Well Pre-Construction Survey
- Prepare final As-Built drawings to the City

SCS Engineers was selected as design engineer for this project in April 2018 under RFQ 2018-01. The selection committee, consisting of representatives from Solid Waste and Engineering Services, recommended SCS Engineers as most qualified based on five factors: 1) experience of the firm, 2) experience of key personnel with specific experience with NSPS requirements and GCCS design, 3) project approach and management plan, 4) capacity to meet the project requirements and timelines, and 5) past performance.

ALTERNATIVES:

The Solid Waste Services department can continue to operate without the gas collection control system until June 2021, however, this contract is needed to ensure the landfill operation remains compliant with federal regulations.

FISCAL IMPACT:

This item will award a contract for professional engineering services to SCS Engineers, of Bedford, Texas in the amount of \$163,500 for design, bid and construction quality assurance services for the expansion of the GCCS into cells 1B, 1C and 3C located at Cefe Valenzuela Landfill. Funds for this project are approved and available in the Solid Waste Capital Improvement Program.

Funding Detail:

Fund: **Landfill 2015 Certificated of Obligation** (Fund 3367)
Project: Cefe Valenzuela Gas Collection Control System (19077A)
Account: Outside Contractors (550950)
Activity: 19077-A-3367-EXP
Amount: \$163,500

RECOMMENDATION:

Staff recommends awarding a contract to SCS Engineers, of Bedford, Texas in the amount of \$163,500 effective upon issuance of notice to proceed, with funding available from Solid Waste Landfill funds for engineering, design, bid and construction quality assurance services for the

expansion of the GCCS into cells 1B, 1C and 3C located at Cefe Valenzuela Landfill.

LIST OF SUPPORTING DOCUMENTS:

Location & Vicinity Maps
Contract