



Legislation Details (With Text)

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Title: Approve the award of RFP 23-221, Springbrook Water Reclamation Center Nutrient Removal Upgrades & North Plant Aeration Improvements - Engineering Services, to CDM Smith Inc., for an amount not to exceed \$1,975,117

Sponsors:

Indexes:

Code sections:

Attachments:

Date	Ver.	Action By	Action	Result
4/16/2024	1	City Council	approved	Pass

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of RFP 23-221, Springbrook Water Reclamation Center Nutrient Removal Upgrades & North Plant Aeration Improvements - Engineering Services, to CDM Smith Inc., for an amount not to exceed \$1,975,117

DEPARTMENT: Water Utilities

SUBMITTED BY: Darrell Blenniss, Director of Water Utilities

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

In 2022, Water Utilities completed a Request for Qualifications (RFQ 22-109) for Springbrook Water Reclamation Center (SWRC) consulting engineering services. The following four consultants were shortlisted for a three-year term as a result of this process:

1. Black & Veatch Corporation
2. Carollo Engineers
3. CDM Smith
4. Donohue & Associates

The City completed a facilities plan for SWRC in 2021 that identified a long-term improvement plan to comply with the City’s National Pollutant Discharge Elimination System (NPDES) permit and anticipated future regulations, particularly related to nutrient removal.

In October 2023, Water Utilities issued RFP 23-221, Springbrook Water Reclamation Center Nutrient Removal Upgrades & North Plant Aeration Improvements - Engineering Services, to select one of the shortlisted consultants for this project. This project involves design engineering, permitting, bid phase and construction assistance engineering services for the North Plant improvements, including the replacement of the North Plant aerators and installation of a Modified University of Cape Town (MUCT) configuration with Simultaneous Enhanced Biological Phosphorous Removal (S2EBPR). The enhancements will enable the North Plant to meet the phosphorus limit of 1 mg/L by 2030, as mandated by the IEPA.

DISCUSSION:

Advertisement Date:	10/16/2023	Notices Sent:	4
Opening Date:	12/15/2023	Planholders:	4
		Proposals Received:	3

Responses were received from the following vendors:

Black & Veatch
Carrolo Engineers

CDM Smith

A selection team comprised of staff from Water Utilities evaluated the responses, which were scored based on the criteria set forth in the RFP:

- 1. Capability, Capacity and Qualifications of the Firm (15%)
- 2. Suitability and Quality of the Approach/Methodology (45%)
- 3. Milestones and Deliverables (25%)
- 4. Outcomes to be Achieved (15%)

After reviewing and scoring the responses, the selection committee invited the top two vendors, Black & Veatch and CDM Smith, to attend interviews. Following the completion of the interviews, the selection committee rescored the vendors. The vendor with the highest qualification score, CDM Smith, is recommended for the award. The table below provides a summary of the final qualification scores:

Vendor	Qualification Score
CDM Smith	83.7
Black & Veatch	82.0
Carrolo Engineers	68.1

Based on their performance on other SWRC projects, staff is confident that CDM Smith is fully capable of successfully executing the project.

The anticipated design completion date is June 30, 2025.

FISCAL IMPACT:

CIP#: WW057 - SWRC Nutrient Removal Upgrades & North Plant Aeration Improvements

The design engineering cost for the SWRC Nutrient Removal Upgrades & North Plant Aeration

Improvements project is expensed to the account number listed below. A total of \$8.9 million was included in the 2024-2028 Capital Improvement Program for the design and engineering of this project. As the project scope has been refined, actual costs for design and engineering are far less than the early project estimates. The requested award is within the amount budgeted for this project.

Account Number	Fund Description	Total Budgeted Amount
41252000-531301	Water Capital Fund	\$7,171,909