



City of Arts & Innovation

City Council Memorandum

TO: HONORABLE MAYOR AND CITY COUNCIL **DATE: APRIL 11, 2017**

FROM: PUBLIC WORKS DEPARTMENT **WARD: 1**

SUBJECT: AWARD BID NO. 7450 FOR THE CONSTRUCTION OF THE TEQUESQUITE LANDFILL GAS FLARE REPLACEMENT PROJECT TO CORA CONSTRUCTORS, INC., IN THE AMOUNT OF \$534,000 – SUPPLEMENTAL APPROPRIATION IN THE AMOUNT OF \$190,000

ISSUE:

Award a construction contract for Bid No. 7450 for the construction of the Tequesquite Landfill Gas Flare Replacement Project to Cora Constructors, Inc., of Palm Desert, California, in the amount of \$534,000, and authorize a supplemental appropriation in the amount of \$190,000.

RECOMMENDATIONS:

That the City Council:

1. Award a construction contract for Bid No. 7450 – Tequesquite Landfill Gas Flare Replacement Project to Cora Constructors, Inc., of Palm Desert, California, in the amount of \$534,000;
2. Authorize the City Manager, or his designee, to execute the construction contract with Cora Constructors, Inc., including making minor non-substantial changes; and
3. Authorize a supplemental appropriation in the amount of \$190,000 from the Refuse Enterprise Fund balance to Landfill Flare Station-City Funds, account number 9770224-440301.

BACKGROUND:

The Public Works Department manages the City's closed Tequesquite Landfill located at the northern end of the city adjacent to the Santa Ana River as shown in Attachment 1. The landfill was first opened in 1910 and in 1985 waste disposal operations ceased. In 1988, a final cover and barrier cap, along with a landfill gas collection system were installed to comply with regulatory requirements. In addition, a gas transmission pipeline was installed to the Regional Water Quality Control Plant (RWQCP) to convey accumulated gas to the RWQCP Co-Generation Facility to be used for energy production.

Closed landfills typically produce gas for many years as organic material in the landfill continues to break down over time. Over the years, the strength and quantity of the landfill gas began to gradually decline and it became no longer feasible to utilize the gas for energy production. However, disposal of the accumulated gas still needs to be addressed.

In 2005, the City installed an enclosed landfill gas flare at the Tequesquite Landfill. The flare is permitted by the South Coast Air Quality Management District (SCAQMD). The flare is over ten years old and is at the end of its useful life and requires replacement with a more efficient and cleaner burning unit.

DISCUSSION:

The proposed project will demolish the existing flare and install a new more efficient flare, which will still maintain the City's compliance with the existing SCAQMD permit. The new flare is about one-half the height of the existing flare; eighteen feet as compared to thirty feet. Attached to the report for reference is a picture of the same gas flare that was recently installed at the RWQCP as part of the Phase 1 Rehabilitation and Expansion project.

On February 21, 2017, four bids were received. The lowest responsive bid was from Cora Constructors, Inc., in the amount of \$534,000, which is 0.185% below the Engineer's estimate of \$535,000 for construction.

Additionally, the Public Works Department will mail a project information letter to residents in the Grand Avenue neighborhood adjacent to the landfill ahead of the construction to inform the public and answer questions.

The Purchasing Services Manager concurs with the award recommendation.

FISCAL IMPACT:

There is no impact to the General Fund. The estimated total Project cost including construction, contingency, inspection, project administration and engineering support is \$692,400. With the supplemental appropriation of \$190,000 to Landfill Flare Station-City Funds, account number 9770224-440301, there will be sufficient funds to award a construction contract and construct the project.

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

Attachments:

1. Location Map
2. Picture of flare unit
3. Bid Recommendation