



STAFF REPORT

AGENDA NO: 8c

MEETING DATE: June 21, 2021

To: Honorable Mayor and City Council

Date: June 21, 2021

From: Syed Murtuza, Director of Public Works – (650) 558-7230

Subject: Adoption of a Resolution Approving a Professional Services Agreement with SCS Engineers for Engineering and Regulatory Compliance Services Related to the Closed Burlingame Landfill in the Amount of \$118,500 and Authorizing the City Manager to Execute the Agreement

RECOMMENDATION

Staff recommends that the City Council adopt the attached resolution approving a professional services agreement with SCS Engineers for engineering and regulatory compliance services related to the closed Burlingame Landfill in the amount of \$118,500, and authorizing the City Manager to execute the same.

BACKGROUND

The closed Burlingame Landfill encompasses approximately 50 acres of land and is part of a larger 91-acre tract owned by the City. The landfill was closed over the period from 1995 through 1999. Closure construction activities included final grading and placement of a low-permeability soil cover and drainage systems, and installation of a landfill gas (LFG) system commonly referred to as a Gas Collection and Control System (GCCS). The landfill currently houses multiple amenities including a golf driving range, clubhouse/restaurant, soccer field, baseball field, dog park, pedestrian pathways, and an asphalt parking lot. Other facilities outside of the closed landfill on the City's 91-acre tract include the City's Bayside Park and Wastewater Treatment Facility (see the attached site plan for location of the landfill site).

The GCCS consists of 18 vertical extraction wells, 13 horizontal collectors, seven perimeter migration monitoring probes, 12 condensate drain traps, nine building methane gas sensors (installed at the City recreational facility buildings), two passive migration vents, one flare, and appurtenant electrical panel and controls. A carbon canister is used as back-up for the LFG treatment if needed during flare down-time for scheduled or non-scheduled maintenance. The City is also responsible for calibration and testing of an automated methane gas detector system installed at the adjacent Crowne Plaza Hotel, which consists of six sensors.

The water quality monitoring system consists of eight monitoring wells completed into the upper sand unit around the site; two wells completed into the waste unit; one leachate line manhole sampling point; and two surface water sampling points. Water quality monitoring points are sampled

and analyzed either semi-annually, or annually. Water level elevations are measured at selected points on a semi-annually basis.

DISCUSSION

In July 2017, the City selected SCS Engineers through a Request for Proposals (RFP) process to provide all landfill gas and groundwater monitoring regulatory compliance services for a three-year period. SCS Engineers has been successfully providing landfill GCCS monitoring and reporting services to the City for over 19 years and has a high degree of understanding of the overall requirements of the Burlingame Landfill. In addition, SCS Engineers has been one of the top firms assisting agencies statewide on landfill regulatory issues. Staff extended the SCS contract in FY2020-21 and seeks to extend the contract for an additional year. Their historical knowledge of the site is essential to coordinate modifications to the landfill in light of the proposed Topgolf development, and assist the City in coordinating with regulatory agencies. Staff has negotiated the attached scope of engineering services with SCS Engineers in the amount of \$118,500. The following are the key elements of the scope of services:

- Task 1 – Routine Monthly/Quarterly LFG System O&M/Reporting.
- Task 2 – Bay Area Air Quality Management District (BAAQMD) Rule 8-34 and Landfill Methane Rule (LMR) Annual Compliance Reporting.
- Task 3 – Non-Routine Investigations, Testing, and Repair/Emergency Support Services.
- Task 4 – Non-Routine Engineering and Permit Support Services.
- Task 5 – Combustible Gas Detection System Calibration, Crowne Plaza Hotel.
- Task 6 – California Air Resources Board (CARB) AB 32 Methane Emissions Monitoring.
- Task 7 – Water Quality Monitoring, Sampling, and Analysis as required by the San Francisco Regional Water Quality Control Board (RWQCB).
- Task 8 – Semi-Annual Compliance Reporting to RWQCB San Francisco Region.

FISCAL IMPACT

There are adequate funds available in the FY 2021-22 Landfill Enterprise Fund budget to complete the work under this contract.

Exhibits:

- Resolution
- Professional Services Agreement
- Site Plan