

**Indian River County, Florida
Solid Waste Disposal District
Board Memorandum**

Date: March 25, 2022

To: Jason E. Brown, County Administrator

From: Sean C. Lieske, Director of Utility Services

Prepared By: Himanshu H. Mehta, PE, Managing Director, Solid Waste Disposal District

Subject: Seventeenth Amendment to Republic Services

Descriptions and Conditions:

On November 16, 2010, the Solid Waste Disposal District (SWDD) Board authorized the Solid Waste Operations and Maintenance Agreement (Agreement) with Republic Services of Florida, Limited Partnership (Republic Services). The agreement is for the operation and maintenance of the county's Class 1 landfill as well as non-Class 1 landfill services. Per a contract extension by the SWDD Board on February 21, 2017, the agreement is valid through December 31, 2024. Under the terms of the Contract, Republic Services, at SWDD's request and subject to mutually satisfactory negotiated terms and acceptable compensation, shall provide additional services in connection with the Indian River County landfill.

In August of 2021, the gas collection and control system (GCCS) was expanded into Cell 1 of Segment 3 landfill. The GCCS expansion included ten side-slope collectors (SC). Each SC has two or three separate collection pipes so that, as waste is filled in Cell 2 of the Segment 3 landfill, the collection pipes could be utilized at different elevations. The waste has now reached the same elevation as the second highest collection pipe on each SC. These collection pipes should be extended out into the cell floor of Cell 2 at its current elevation so that additional landfill gas (LFG) can be captured by the GCCS and increase overall gas quality and flow at the LFG flare station.

At this time, the GCCS system is collecting an average LFG flow of 900 standard cubic feet per minute (SCFM); however, we contractually need 1,150 SCFM for the renewable natural gas (RNG) project with the Nopetro Eco District, LLC, (Nopetro) which is building the facility on the adjacent Indian River Eco District, LLC property (IRED). The expansion of the LFG system is needed to increase the average flow.

Staff is recommending approval of the attached Seventeenth Amendment to Republic Services to provide these additional services.

Analysis:

Republic Services has provided a proposal from their subcontractor, SCS Field Services, for the expansion of the ten SCs. These costs are summarized in Table 1:

Table 1. Expansion of the Side Slope Collectors			
Description	Rate	Quantity	Total
Task 1 – SCS Project Management	\$8,500	lump sum	\$ 8,500
Task 2 – Survey / As-built	\$4,400 per day	3 days	\$ 13,200
Task 3 – Mobilization / Demobilization	\$3,500	2 each	\$ 7,000
Task 4 – Side Slope Collection Extension Installation	\$88.50 per feet	3,000 feet	\$265,500
SCS Subtotal =			\$294,200
Republic Services Management Fee (15%) =			\$ 44,130
Total =			\$338,330

The above costs are not to exceed \$338,300 and include labor, equipment, materials and fuel.

Funding:

The Landfill Gas Expansion project is considered a “closure activity” and, as such, is funded from an escrow account long established per Florida Department of Environmental Protection (FDEP) requirements. Funding for the Seventeenth Amendment in the amount of \$338,330 is available in the SWDD/Accrued Closure – I, II & Infill, account number 411-239006 (escrow), which is funded from SWDD assessments and user fees.

DESCRIPTION	ACCOUNT	AMOUNT
SWDD/Accrued Closure – I, II & Infill	411-239006 (Escrow)	\$338,330

Recommendation:

Solid Waste Disposal District staff recommends that its Board approve the Seventeenth Amendment to Republic Services landfill contract for the expansion of the landfill gas system; and authorize the Chairman to execute the agreement.

Attachment:

- 1) Seventeenth Amendment to Republic Services