

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

Date: July 1, 2020

To: Jason E. Brown, County Administrator

From: Arjuna Weragoda, PE, Capital Projects Manager, Utility Services
(In lieu of Vincent Burke, PE, Director of Utility Services)

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

Subject: Fourteenth 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 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.

The routine Operation and Maintenance (O&M) of the landfill gas system is part of the current agreement. Recently, as part of the recent landfill closure project, the landfill gas system was expanded adding 29 vertical and 8 horizontal landfill gas extraction wells. Although some dewatering pumps were added to some of these new wells, it has been determined through routine monitoring that 13 new pumps are needed. Second, five existing dewatering pumps need to be relocated in order to reduce the water levels in many of the wells. The reduction in the water levels maximizes the amount of landfill gas that is captured and removed from the landfill.

In addition, SWDD recently authorized the Indian River EcoDistrict, LLC (IRED) to pursue capturing available carbon credits from the flaring of landfill gas, which will provide an additional revenue source for SWDD. This process requires weekly monitoring of the flare system compared to the every other week monitoring that we are currently performing. Also, a flow meter calibration is required every six months compared to the annual calibration that we are currently performing.

Staff is recommending approval of the attached Fourteenth Amendment to Republic Services to provide these additional O&M services.

Analysis:

Republic Services has provided a proposal from their subcontractor, SCS Field Services, for both the installation of the 13 new pumps wells and the relocation of five others, as well as additional work associated with the carbon credit monitoring. These costs are summarized below in Table 1:

Table 1 - Routine Tasks Based on Indian River Landfill Contract				
Description	Quantity	Units	Unit Cost	Total
Task 1: 2019 & 2020 Historical Data	1	Lump Sum	\$980	\$980
Task 2: Weekly Flare Readings	14	Weekly	\$850	\$11,900
Task 3: Flow Meter Calibration	1	Lump Sum	\$3,000	\$3,000
Task 4: New Dewatering Pumps	13	Lump Sum	\$5,850	\$76,050
Task 5: Relocate Existing Pumps	5	Lump Sum	\$625	\$3,125
Subtotal:				\$95,055
10% Management Fee by Republic Services:				\$9,505.50
Total:				\$104,560.50

Staff has reviewed the proposal provided by Republic Services through their subcontractor, SCS Field Services. Staff concurs with the additional O&M services for \$13,090 (\$11,900 + \$1,190) to be added to their annual contract for the remaining six months from July 1 through December 31, 2020. Staff also concurs with the lump sum amount of \$91,470 (\$83,155 + \$8,315). As shown, both of these costs total \$104,560.50, which includes a 10% subcontractor fee to Republic Services.

Upon approval of this amendment, the overall payment for Calendar Year 2020 for Non-Class 1 Landfill services will be adjusted from \$3,104,585.94 to \$3,117,675.94 per year, or \$260,897.17 per month, for the remaining six months from July 1 through December 31, 2020.

Funding:

Funding for the SWDD non-Class 1 Landfill services is budgeted and available in the SWDD recycling account, which is funded from SWDD assessments and user fees.

Description	Account Number	Amount
Republic Services, LP Contractual Services	41125534-033489	\$260,897.17 (per month)
Republic Services, LP Contractual Services	41125534-033489	\$91,470 (Lump Sum)

Recommendation:

Solid Waste Disposal District staff recommends that its Board approve the following:

- a) Approve the Fourteenth Amendment to Republic Services landfill contract for the additional landfill gas operation and maintenance services; and
- b) Authorize the Chairman to execute the agreement.

Attachment:

- 1) Fourteenth Amendment to Republic Services