

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

**Date:** May 3, 2023

**To:** Solid Waste Disposal District Board

**From:** Sean C. Lieske, Director of Utility Services

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

**Subject:** Twenty First Amendment to Republic Services for Side-slope Collector System Expansion and Management and 2023 Hurricane Response

**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 covers the operation and maintenance (O&M) of the county's Class 1 landfill as well as non-Class 1 landfill services, which includes O&M of the landfill gas system. Per an extension by the SWDD Board on February 21, 2017, the agreement is valid through December 31, 2024. Under the terms of the agreement, 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. On April 5, 2022, the SWDD Board approved staff recommendation to extend out the 10 SC extended out into the cell floor of Cell 2 by 3,000 feet at its current elevation so that additional landfill gas (LFG) can be captured by the GCCS to increase overall gas quality and flow at the LFG flare station. This work was authorized to SCS Field Services as a subcontractor to Republic Services. This work was completed in May and July of 2022, and the waste has now reached the same elevation as the third highest and last remaining section of collection piping on four of the SCs. These collection pipes should be extended out into the cell floor of Cell 2 at its current elevation allowing additional capture of the LFG.

Also, as the 2023 hurricane season is approaching, staff has received an updated Hurricane Plan from Republic Services to allow a seamless disposal of storm debris at the landfill and the

customer convenience centers (CCCs) with the least amount of effect on the residents of Indian River County. The plan is also incorporated into the Twenty First Amendment.

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

**Analysis:**

Table 1. Expansion of the Side Slope Collectors			
Description	Rate	Quantity	Total
Task 1 – SCS Project Management	\$6,000	lump sum	\$ 6,000
Task 2 – Survey / As-built	\$2,750 per day	2 days	\$ 5,500
Task 3 – Mobilization / Demobilization	\$3,500	1 each	\$ 3,500
Task 4 – Side Slope Collection Extension Installation	\$75 per feet	1,320 feet	\$ 99,000
SCS Subtotal =			\$114,000
Republic Services Management Fee (15%) =			\$ 17,100
<b>Total =</b>			<b>\$131,100</b>

The above costs are not to exceed \$131,100 and include labor, equipment, materials, and fuel.

The following is a summary of services and costs from Republic Service for the Hurricane Preparedness Plan for the 2023 Hurricane Season:

- Landfill Operations and Maintenance** – It is expected that there will be a significant volume increase for disposal into the Indian River County landfill as a result of the post storm cleanup activities. Republic Services has acknowledged that the current tipping fee of \$14.62 per ton (valid thru December 31, 2023) is sufficient to cover the additional operational and maintenance costs for the landfill utilizing existing equipment. The amendment does include SWDD providing reimbursement for mobilization and rental of equipment that is currently not part of routine operations. The amendment also allows for reimbursement to cover additional costs associated with extra materials for road maintenance as well as costs for pumping excessive leachate.
- Customer Convenience Centers** – A provision is included in the amendment to allow for extending the days/hours of operations of the CCCs at a cost of \$47.69 per hour per person. This rate only applies for labor hours that are outside of the normal operating hours, i.e., opening a center when it is normally closed or extending the hours of operations. Republic Services will utilize all of their current resources for the cleanup; however, there is a provision for Republic Services to utilize third-party services to expedite the cleanup. The reimbursement for CCC operations pre- or post-storm is based on the cost for hauling additional volume from the CCCs to the IRC landfill. This rate is set at \$25 per cubic yard;

however, there is language in the plan to allow rate negotiations if market conditions are impacted by the storm event.

**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 Twenty First Amendment in the amount of \$131,100 is available in the SWDD/Accrued Closure – I, II & Infill account, number 411-239006, which is funded from SWDD assessments and user fees.

Description	Account	Amount
SWDD/Accrued Closure – I, II & Infill	411-239006	\$131,100

If there should be a hurricane, an account would be established at that time with expenses reimbursed by FEMA.

**Recommendation:**

Solid Waste Disposal District staff recommends that its Board approve the Twenty First Amendment to Republic Services landfill contract for the expansion of the landfill gas system and approve the 2023 Hurricane Plan; and authorize the Chairman to execute the agreement.

**Attachment:**

- 1) Twenty First Amendment to Republic Services