

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

Date: October 18, 2024

To: Solid Waste Disposal District Board of Commissioners

Through: John A. Titkanich, Jr., County Administrator
Sean C. Lieske, Director of Utility Services

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

Subject: Agreement for Landfill Gas Wellfield Expansion Project

Descriptions and Conditions:

The Indian River County Landfill has a voluntary landfill gas collection system that needs periodic expansions to continue to capture the methane gas to reduce odors, reduce the risk of fires and to reduce it to the less harmful carbon dioxide via flaring in the short run, and to ultimately facilitate the sale of the landfill gas to NoPetro EcoDistrict (NED) for its renewable natural gas (RNG) project.

Recently, eight gas wells were abandoned to maximize landfill waste capacity on the northern portion of Segment 3 Cell 1 area. This has resulted in a reduction in the total landfill gas flow available for the future RNG project. It is imperative that we replace these landfill gas wells and add additional gas wells to this area once final capacity is reached which we anticipate by mid-November 2024.

Therefore, in the interest of time and based on utilizing SCS Field Services (SCS-FS) to install landfill gas wells in the past, staff is recommending the Solid Waste Disposal District (SWDD) Board waive bid requirements and to award an Agreement for Landfill Gas Wellfield Expansion project per a proposal from SCS-FS in the total amount of \$486,050. This approval will allow them to order the materials and schedule installation as soon as possible and regain our landfill gas flow for the RNG project.

Discussion:

Staff recommends approval of the attached landfill gas well field expansion agreement to the SCS-FS proposal comprises of the following two tasks: 1) labor, materials, equipment, and installation of 10 new vertical wells, for an estimated cost of \$213,350, and 2) provide labor, materials, equipment, and installation of below-ground high-density polyethylene (HDPE)

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vacuum, air and force main piping, at a cost of \$272,700. The total cost is \$486,050; however, to expedite the project and to minimize further time delays, staff recommends additional contingency funding of \$73,950 to be approved by the County Administrator for a total project cost not to exceed \$560,000.

Funding:

The LFG flare station and piping are considered a “closure activity,” and, as such, is funded from an escrow account long established per Florida Department of Environmental Protection (FDEP) requirements, which has the funds available in the SWDD/Accrued Closure – I, II & Infill, account number 411-239006, for \$560,000.

Description	Fund	Amount
SWDD/Accrued Closure – I, II & Infill	411-239006	\$560,000

Recommendation:

Staff recommends the Board waive bid requirements and approve the landfill gas wellfield expansion agreement to SCS Field Services in the amount of \$486,050 and authorize the Chairman to execute it after review and approval by the County Attorney as to form and legal sufficiency. Staff also recommends the Board authorize the County Administrator to sign any amendments to the agreement necessary, including increases in price, up to a total increase of \$560,000, to prevent delays in work.

Attachment:

Agreement with SCS Field Services