

June 7, 2022

TECHNICAL MEMORANDUM

TO: Kevin Kelleher, Assistant County Administrator – Broward County
Honorable Greg Ross, Mayor of Cooper City – Solid Waste Working Group Chair

FROM: Stacey Demers, Project Manager – SCS Engineers
Vita Quinn, Director of Management Services – SCS Engineers

Subject: Status of Waste Generation Study

At the last Solid Waste Working Group meeting on May 25, 2022, the SWWG asked for an update on the Waste Generation Study. While the Waste Generation Study has consistently been used to reference the study, there are 3 distinct components to the Study: Waste Generation Study, Waste Composition Study, and Optional Services for Financial Planning.

The Waste Generation and Composition Studies, which the consultant has been engaged, are currently underway and are on-target for completion in the spring of 2023. The Optional Services for Financial Planning, which the consultant has NOT been engaged, is currently pending key policy/planning decisions.

Below is a more detailed listing of the status of the 3 components:

1. WASTE GENERATION STUDY (WGS)

- Two of the main haulers in the County (Coastal and Waste Pro) have committed to participate in the study.
- Waste Pro has officially agreed to participate in the waste generation study and has signed the Cooperation Agreement with SCS.
- SCS and Coastal are still working out some details for their signature on the Cooperation Agreement but they have verbally agreed to participate in the waste generation study.
- While participation of all 4 haulers would be optimal, the two are sufficient to create a statistically-defensible calculation.

PURPOSE OF STUDY: Determine the pounds of waste per year per square foot of developed space for all parcels in County by land use. Waste generation rates are derived through a statistically-defensible calculation based on samples taken at various parcels in the County in low and high seasons.

STUDY PERIOD: Two seasons - Summer 2022 and Winter 2022/2023.

STATUS: ON TARGET



2. WASTE COMPOSITION STUDY (WCS)

- The first of four seasonal sampling events for the waste characterization is being planned for late July 2022.
- SCS and the County had a kick-off meeting on Thursday, June 2, 2022.
- No hauler participation, sampling is at disposal facilities.

PURPOSE OF STUDY: Determine types of waste/recyclables being generated in Broward County and relative proportion of each waste/recyclable type. A WCS is used for planning purposes, educational campaigns, and/or to determine the types of facilities needed.

STUDY PERIOD: Four seasons - Summer 2022, Fall 2022, Winter 2022/2023, and Spring 2023.

STATUS: **ON TARGET**

3. OPTIONAL FINANCIAL SERVICES

- SCS has not been engaged to begin this work.
- Services:
 - Revenue Requirement/Financial Projections – Create financial projections and revenue requirements for the new Authority.
 - Non-Ad Valorem Assessment and Rate Planning – Uses data from WGS to develop an equitable and legally defensible special assessment to meet the revenue requirements of the new entity.
 - Support to Bond Issuance – Provide feasibility reports needed for revenue bond financing of new waste facility and/or other capital assets.
 - Tipping Fee Surcharge Study – Determine the level of surcharges required to meet the interim financial need of the system until a special assessment is in place. Also provides long-term mechanism to charge for handling special waste streams.
- There are not yet any services being provided or engineering plans for new facility, so a special assessment for FY 2024 is not possible. **Assessments require that the parcels assessed receive a special benefit.**
- A tipping fee surcharge may be possible by FY 2024 if County charter and relevant legislation permits, but it will require significant cooperation from disposal facilities in the County and working group.
- Key Policy/Planning Decisions Needed for Financial Planning
 - Authority Start-up
 - Staffing - Compensation and benefits for Director and admin staff
 - Location – Where will this staff be located before facility is constructed?
 - Cost of Operations – Computers, leases, utilities, professional services, etc.
 - What facilities?
 - Recycling Centers
 - Materials Recovery Facility (MRF)
 - Waste-to Energy Plant

- Who makes the Decision?
 - Solid Waste Working Group (SWWG)
 - Governing Board
 - Appoint an entity (County, city) or Task Force (made up of city and county executives)
- When to engage consultant (SCS or other)?

PURPOSE OF STUDIES: Generate revenue/expense projections and create revenue mechanisms for the Authority.

TIMELINESS TO COMPLETION: PENDING. If work starts soon, may be able to implement surcharge by FY 2024 (October 2023), but based on the decisions and work to be done coupled with the timing of the statutory notice process, the implementation of a special assessment is not realistic until at least FY 2025.

We trust that these study clarifications will provide you information about the work for which we have been engaged and the progress to date. Should you have any questions or require additional information, we are available to discuss these with you.