



## MARKET RESEARCH FOR MUNICIPAL SOLID WASTE MANAGEMENT SOLUTIONS

### **Background**

Miami-Dade County (“County”) provides an integrated waste management system that provides collection, transfer, and disposal services to include landfills and historically included a waste-to-energy facility. The County’s Department of Solid Waste Management (DSWM) provides waste collection services twice a week to more than 350,000 households in a 320-square-mile waste collection service area. DSWM operates 13 Neighborhood Trash and Recycling Centers and administers the contracted collection of household recyclables. Historically, the County produces over five million tons of waste annually, of which DSWM disposal system processes more than 2.4 million tons.

### **Objective**

The County is conducting market research to garner industry comments and solutions regarding potential future projects for a comprehensive solid waste management approach. This effort is being undertaken by the County as part of a review and analysis to further explore all available delivery methods for the disposal of waste. Various items related to solid waste management were discussed by the Board of County Commissioners on February 19, 2025 and the agenda to such meeting can be accessed using the following link.

<https://www.miamidade.gov/govaction/commminute.asp?cmbmeetdate=5227&file=false>

The County is particularly interested in responses to this market research from industry experts from all available sectors of waste management. The requested information will assist the County to better understand the marketplace, gather information regarding the current state of the industry, and gauge interest in the projects and may also be used by the County for any other purpose.

### **Public Record**

Respondents are hereby notified that all information submitted as part of, or in support of, this analysis will be available for public inspection in compliance with Chapter 119, Florida Statutes, popularly known as the “Public Record Law.” Accordingly, do not submit any information in response to this analysis which the respondent considers to be a trade secret, proprietary or confidential, is competitively sensitive, or which violates any intellectual rights of a third party.

### **Responses**

Responses should address the requested information below and indicate “not applicable” when a particular item cannot or will not be addressed by respondent. Responses should be submitted to the County’s contact person indicated below via email no later than **April 14, 2025**.

#### Email to:

Saba Musleh, CPPB, Negotiator  
Strategic Procurement Department  
[saba.musleh@miamidade.gov](mailto:saba.musleh@miamidade.gov)

#### With a copy to (CC line of email):

Ross Byers, Project Manager  
AtkinsRéalis  
[ross.byers@atkinsrealis.com](mailto:ross.byers@atkinsrealis.com)

Respondents are encouraged to not limit their responses to any already-identified potential sites, locations, or assumptions as to the size or capacity of the respondent's solution. Respondents are encouraged to consider any combination of waste disposal methods such as, but not limited to, waste-to-energy, landfills, or hauling waste.

## **Requested Information**

### **A. Respondent**

Provide a brief summary of the respondent to include the following.

- Respondent's name and address
- Contact person, title, email address, and telephone number
- Brief description of respondent's history, years of experience in the respondent's solution, core areas of expertise in the waste management industry, and any products and/or services the respondent provides

### **B. Waste Management Solutions**

1. Solution - Describe the waste management solution(s) that the respondent specializes in that could address the challenges identified by the County in its report which was provided in response to Board of County Commissioners Directive No. 241676, to include any technologies, approaches, etc. The report can be found at the following link.

<https://documents.miamidade.gov/mayor/memos/01-25-25-second-update-on-directive-no-241676.pdf>

2. Effectiveness - Describe the effectiveness of the respondent's solution, where the solution has been implemented, and any other information that would explain the benefit of the solution.
3. Quantity - Describe the quantity of waste that the respondent's solution can process annually and indicate the adaptability of the respondent's solution to different waste compositions and quantities.
4. Technologies - Describe the waste processing technologies (e.g., waste-to-energy, anerobic digestion, gasification, advanced recycling, etc.) that are part of the respondent's solution.
5. Benefits - Describe the key benefits of the respondent's solution as compared to the other waste processing technologies that are available.
6. Challenges - Describe any challenges associated with the respondent's solution, including any regulatory or permitting challenges, and how the respondent plans to overcome such challenges.

### **C. Financial Approach**

1. Costs - Provide capital investment and 30-year operational costs associated with the respondent's solution.

2. Funding Model - Identify the funding model for the respondent's solution and whether respondent would provide financing for such solution. Indicate the arrangements for the funding and financing (e.g., public private partnership, private-funded, County-funded, financing, federal tax credits, and federal and state grants, etc.).
3. Revenue - Describe the potential revenue streams from the respondent's solution (e.g., energy production, material recovery, tax credits, sale of products, etc.).

#### **D. Implementation Approach**

1. Infrastructure - Describe the infrastructure requirements necessary to implement the respondent's solution and the role the respondent would fulfill in such implementation. (i.e., master developer, design/builder, operator, technology provider, etc.).
2. Size - Identify the recommended site, including any identifiable site information, and footprint of the site that will be necessary to implement the respondent's solution.
3. Site Ownership - Describe the respondent's plan to secure the recommended site to implement the respondent's solution, including any zoning or re-zoning requirements. Identify the current owner of the site.
4. Permitting - Describe any necessary permitting or regulatory processes necessary to implement the respondent's solution.
5. Timing - Identify the estimated timeframe for the implementation of the respondent's solution.
6. O&M - Describe the anticipated operational and maintenance requirements and needs for the operational phase of the respondent's solution.
7. Health/Safety/Environmental - Describe how the respondent's solution protects both human health and the environment and any anticipated environmental impacts of the respondent's solution (e.g., emissions, noise, odor, etc.).

#### **E. Other Information/Advice**

1. Procurement Model - Provide respondent's advice as an industry expert regarding the recommended procurement approach for the design, construction, operation and/or maintenance of a new facility such as a waste-to-energy facility, or any alternative solution, for the County such as traditional methods (e.g., design-build or design-bid-build) and alternative delivery methods (e.g., public private partnership).
2. Partnerships - Identify if respondent as an industry expert has any other advice such as constructing a larger regional waste-to-energy facility with other local governments or the State of Florida or building a smaller facility combined with utilizing other waste disposal methods such as landfills or hauling waste.
3. Additional Insights - Provide any additional insights or advice as an industry expert that the respondent believes would be helpful for the County to know.