



Broward County Resource Recovery System

Request for Expressions of Interest



Issue Date: July 25, 2007
Due Date: October 8, 2007

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1. Introduction

1.1. GENERAL

The Broward County Solid Waste Disposal District (District) is considering changes to its solid waste management infrastructure in the near term. The District recognizes that many options it will consider will require significant development time, and is beginning this process now to proactively evaluate such options. The District seeks, through this Request for Expressions of Interest (RFEI), to identify firms that can meet all, or a portion of, the District's future solid waste processing and disposal requirements, that is consistent with its long-term objectives. While this is not a procurement, information gathered and obtained during this process may be used to support future procurement(s).

The District was created through an Interlocal Agreement (ILA) in 1987 between Broward County, Florida, and a number of municipalities within the County (currently 26 out of 31). Creation of the District, managed by the Resource Recovery Board (RRB), satisfied Broward County's responsibility to provide for the operation of solid waste disposal facilities to meet the needs of all incorporated and unincorporated areas of the County. The facilities and services managed by the RRB make up the Resource Recovery System (RRS). Collection of solid waste and recyclable material are, and are expected to remain, the responsibility of each municipality. Through the ILA, each participating community pledges to deliver its solid waste to the District.

1.2. SOLID WASTE DISPOSAL DISTRICT OBJECTIVES

Overall solid waste management objectives of the District include:

- Provide environmentally sound solid waste management, preferably within Broward County, for the next 30 or more years;
- Provide maximum reliability;
- Provide optimal waste reduction;
- Increase recycling levels to meet or exceed State mandated goals; and
- Encourage the use of innovative technology.

The District intends to enter into agreements with one or more firms to provide solid waste management and recycling and disposal services. Future requirements may include siting and development of new facilities, contracting for capacity at existing facilities, acquisition or a combination of approaches.

Respondents to this RFEI may express interest in the management of an individual component, multiple components or for the entire system.

1.3. RFEI OBJECTIVES

The objectives of this RFEI are:

1. To inform interested parties of the District's solid waste management needs and to engage qualified firms in preliminary discussions regarding possible approaches to addressing those needs.
2. To determine the viability of emerging solid waste management options and technologies, in addition to established technical approaches. Viable options are defined as those solid waste processing and disposal options that would:
 - Provide the District with long-term waste disposal capacity;
 - Be cost effective for the District;
 - Provide high levels of service to the community;
 - Increase recycling levels to meet or exceed State of Florida goals; and
 - Provide flexibility to adapt to future changes.
3. To identify relevant procurement, technical, business and management issues.
4. To identify parties with the experience, financial capability and proven technology to effectively manage the District's solid waste.

1.4. BACKGROUND

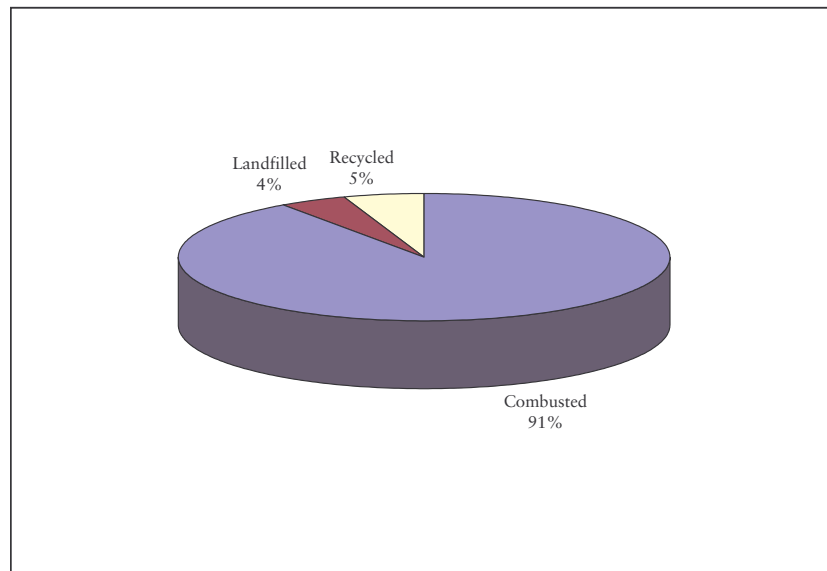
Based on 2005 data, the total amount of Broward County solid waste disposed and recovered is approximately 3.5 million tons, of which approximately 1.4 million tons of solid waste is controlled by the District. A breakdown of the solid waste stream is presented in Table 1-1.

Table 1-1: Total Solid Waste Generated in Broward County (Calendar Year 2005)

Facilities		County Solid Waste Disposed/Recovered (Tons)	District Solid Waste Managed (Tons)
Solid Waste	South Wheelabrator	District	654,127
		Spot Market	0
	North Wheelabrator	District	598,203
		Spot Market	0
	BIC Landfill	Solid Waste	61,456
		Tires	926
	CDSL	Construction & Demolition Debris	812,184
		Solid Waste	507,545
Solid Waste Subtotal		2,634,441	1,314,712
Recycling	RRS MRF (i.e., Residential Recyclables)	61,665	61,665
	Non-ILA/Other Residential	31,874	0
	Special Wastes (e.g., Electronics and HHW)	678	678
	Construction & Demolition Debris	197,638	0
	Yard Waste	203,184	0
	Miscellaneous Commercial/Institutional Recovered Materials	357,073	0
	WTE Metals Recovery	10,029	10,029
Recovered Materials Subtotal		862,141	72,372
Solid Waste and Recovered Materials Total		3,496,582	1,387,084

Figure 1-1 presents how the approximate 1.4 million tons of District solid waste is managed.

Figure 1-1: Disposition of District Solid Waste Managed (Calendar Year 2005)



A waste composition study was conducted in 2002 to characterize the solid waste managed by the District. Figure 1-2 below presents the overall solid waste composition as determined in 2002, which is also summarized in Table 1-2.

Figure 1-2: Composition of District Solid Waste Managed (Calendar Year 2002)

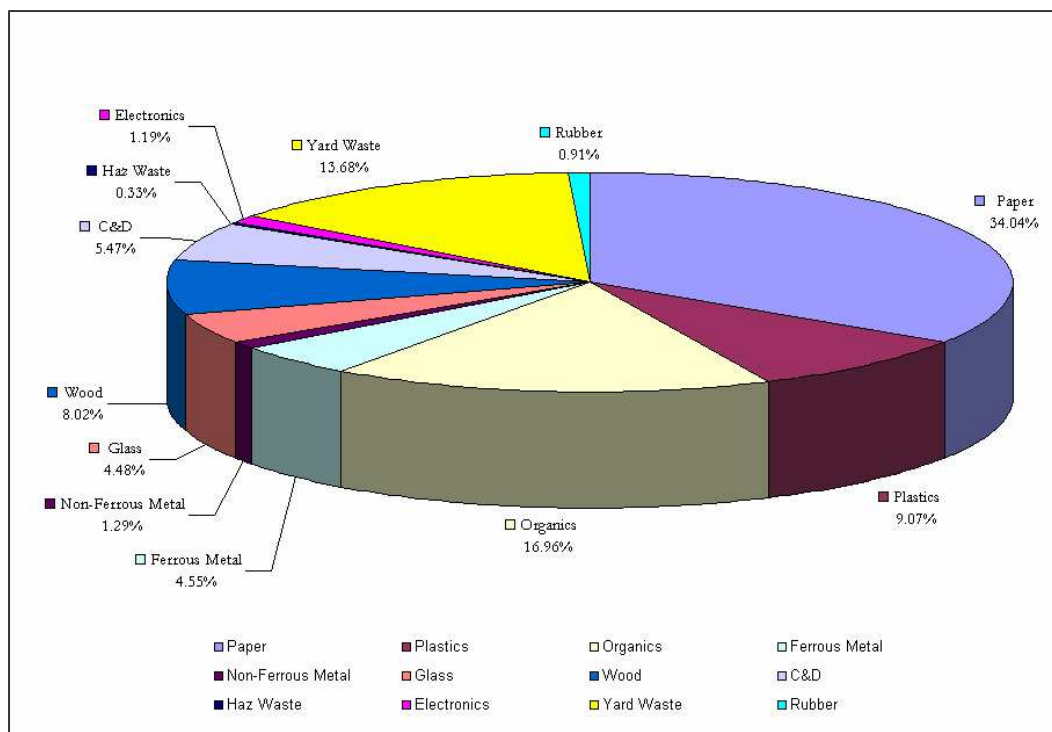


Table 1-2: Composition of District Solid Waste (Calendar Year 2002)

Material	Percent of Solid Waste Stream
Paper	34.0%
Plastics	9.0%
Organics	17.0%
Ferrous	4.6%
Non-Ferrous	1.3%
Glass	4.5%
Wood	8.0%
C&D	5.5%
Hazardous Waste	0.3%
Electronics	1.2%
Yard Trash	13.7%
Rubber	0.9%
TOTAL:	100.0%

1.4.1. Current Solid Waste Infrastructure

The District's primary solid waste disposal infrastructure is privately owned by Wheelabrator Technologies Inc. (Wheelabrator). The Wheelabrator South Facility, owned and operated by Wheelabrator, is sited on leased property owned by the District, and has an adjacent ash monofill owned by the District and operated by Wheelabrator. The Wheelabrator North Facility is owned and operated by Wheelabrator. Table 1-3 below summarizes the various RRS components, their ownership, capacity and general status.

Table 1-3: Resource Recovery System Components

Facility	Type	Waste Stream	Capacity	Contract Expires	Ownership
Wheelabrator North and South	Mass Burn WTE	District Solid Waste	4,500 tpd (2,250 tpd at each facility)	North: 2012 South: 2011	Wheelabrator ¹
Broward Interim Contingency (BIC) Landfill	Landfill	District Solid Waste	25 million CY	N/A	District ²
Central Disposal Sanitary Landfill (CDSL)	Landfill	Non-District Solid Waste	Permitted Capacity Estimated to be Consumed by 2013	N/A	Waste Management
Ash Monofill	Ash Monofill	District Ash	2 million CY	2011	District ²
Materials Recycling Facility (MRF)	Dual Stream	District Recyclable Materials	300 - 450 tpd	2009	Waste Management- Recycle America
Household Hazardous Waste Facilities	Drop-Off	Household Hazardous Waste	600 tons/year	N/A	District ²

1. Real estate under Wheelabrator South is owned by the District.

2. Assets indicated as owned by the District may, in some cases, be owned by the County. Actual ownership to be determined by RRB

Of the approximate 1.4M tons managed by the District, approximately 1.2M is disposed of at the two Waste-to-Energy (WTE) facilities owned and operated by Wheelabrator, based on current estimates ash is disposed of at the CDSL Landfill (from Wheelabrator North Facility) and the ash monofill adjacent to the Wheelabrator South Facility. The remaining materials are recycled under contract with a MRF, owned and operated by Waste Management.

1.4.2. Expected Future Changes

Broward County's population is projected to continue growing for the foreseeable future, and the District's disposal facilities are either beginning to run out of capacity or require contract renewal. Contracts and expiration dates are as follows:

- The ash monofill at the Wheelabrator South Facility is being expanded to extend its capacity; further expansion capability exists at this site, at the District's option.

- The MRF Operating Agreement expires in 2009; the District is in discussions with the current operator (Waste Management-Recycle America) to extend the Agreement to approximately 2013. Separately, the District is considering the development of a new MRF to supplement or replace the current MRF. Ultimate plans for this will be dependent in part, on the results of this RFEI and future strategic planning efforts.
- The Service Agreements for the District's WTE facilities expire in 2011 (South) and 2012 (North). One objective of this RFEI is to explore options to replace a portion or all of its WTE capacity with other methods consistent with its overall objectives.
- The ILA is scheduled to expire in 2013. However, the District is in the process of determining the replacement structure and participants. It is expected that a replacement District will be created with similar flow control mechanisms in order to direct the flow of District waste. It is also expected that the District will have other similar features, such as revenue recovery capabilities, as well as debt issuance capability.

1.5. FUTURE SOLID WASTE MANAGEMENT IN BROWARD COUNTY

The District, recognizing the time required to meet new infrastructure needs, is proactively seeking to establish a transition plan for a new solid waste management system. The District will entertain the possibility of contracting with an individual firm that can provide the full spectrum of services, a joint venture or team or several different firms to address different portions of the total waste stream.

In June 2006, the District facilitated a Solid Waste Management Visioning Summit to solicit stakeholder input and develop a policy framework to address future needs. A copy of the policy framework is available as identified in Section 1.6 of this RFEI.

1.6. REFERENCE MATERIALS

Table 1-4 below lists a number of documents that are provided for additional background information. These materials can be found at the Broward County Waste and Recycling Services Website <http://www.broward.org/resourcerecovery/documents.htm>.

Table 1-4: Reference Materials

Reference Materials
Broward County Solid Waste Visioning Summit - Informational DVD
Broward County Solid Waste Visioning Summit - Policy Framework
Interlocal Agreement (as amended)
Plan of Operations

2. Procurement Information

2.1. PROCESS OVERVIEW

Following issuance of this RFEI, Expressions of Interest (EOI) will be submitted and then reviewed by the District. Based on the results of this review, certain Respondents will be invited to meet with the District for more detailed discussions.

Following these discussions, the District will review the responses, the results of vendor team discussions and developments in solid waste management in Florida, the United States and abroad. Based on the data gathered, the District may conduct procurement(s) as appropriate to develop new infrastructure, structure new agreements as well as other related activities to provide for a smooth transition.

2.2. PRELIMINARY SCHEDULE

Table 2-1 represents the District's intended schedule from issuance of this RFEI through selection of the most advantageous Proposal. This schedule should be considered preliminary and the District reserves the right to modify it as necessary.

Table 2-1: Preliminary Schedule

ACTIVITY	DATE
Issue Request of Expressions of Interest	July 25, 2007
Submit Expressions of Interest	October 8, 2007
Submittal Review by RRB Subcommittees	November 5, 2007
Vendor Discussion Sessions	November 13, 14 and 15, 2007
Issue Request for Proposals	April 22, 2008
Submit Proposals	August 4, 2008
Select Most Advantageous Respondent	September 5, 2008
Negotiate Agreement with Selected Respondent	October 10, 2008

2.3. RFEI RESPONSE

The District requests that responses be submitted no later than 2:00 p.m. E.S.T. on October 8, 2007. Responses should be limited to 30 pages, plus

any renderings, tables, drawings, graphs and firm promotional materials. Further submittal requirements are provided in Section 3.0 of this RFEI. Please note that Respondents may express interest in the management of an individual component, multiple components or the entire system.

2.4. VENDOR DISCUSSION SESSIONS

The District intends to invite potential proposers to participate in discussion sessions with District representatives and consultants. Each session will be scheduled for 1/2 day with each firm or team, during one of the three days indicated in Table 2-1 above. An agenda will be prepared in advance of these meetings to allow for discussion of the District's issues, as well as the EOI Submittals provided by the selected firm or team.

Due to time constraints, the District will limit the number of firms to participate in a discussion session. The purpose of these sessions is to discuss comments submitted in response to this RFEI. Therefore, in selecting companies to participate in the discussion session, the District will consider the nature of responses. Considerations will include, but not be limited to, responsiveness to the specific issues raised in this RFEI.

2.5. COSTS OF EOI PREPARATION AND MEETING ATTENDANCE

The costs and expenses associated with the preparation of a response, including attendance at the vendor discussion sessions, and preparation of all other information required pursuant to this RFEI, will be at the sole cost and expense of the Respondent. In no event will a Respondent have a claim against the District, its staff or its consultants or agents for reimbursement of any such costs or expenses.

2.6. CONTACT INFORMATION

The District has requested that correspondence related to this RFEI and subsequent procurement phases be coordinated by Malcolm Pirnie, Inc. Accordingly, please direct all correspondence related to this project, including responses to this RFEI, to:

Sanford Gutner, P.E.
Senior Associate
Malcolm Pirnie, Inc.
8201 Peters Road Suite 3400
Plantation, FL 33324
Tel: (954) 761-3460
Fax: (954) 761-7939

2.7. RFEI NOT PROCUREMENT DOCUMENT

This RFEI shall not constitute a solicitation or procurement document for any design, construction, operation or service relating to the District's solid waste management infrastructure. However, failure to submit a response to this RFEI, or participate in any discussions relating thereto, will preclude any interested party from future participation in any procurement process that may be undertaken by the County or District for its solid waste management infrastructure/services. Exceptions may be granted however, for cases in which technologies become commercially viable subsequent to the issuance of this RFEI.

3. Submission Requirements

3.1. FORMAT

The District requests that responses to this RFEI be organized into the following sections:

1. General Company Information
2. Overall Approach
3. Technical Issues
4. Business Terms and Costs

The District further requests that responses include a letter of transmittal that identifies the name, address, title, telephone number, fax number and e-mail address of the Respondent's contact person who will serve as the interface between the District and the Respondent. Fifteen (15) hard copies of the EOI response should be submitted to Malcolm Pirnie, Inc., on behalf of the District, at the address indicated in Section 2.6 of this RFEI.

3.2. EXPRESSIONS OF INTEREST SUBMITTAL REQUIREMENTS

This RFEI is issued as part of the District's strategic development activities being undertaken to address the District's future solid waste management infrastructure objectives/contractual service needs. Its purpose is to more precisely define the scope of the project. This RFEI was advertised and issued to the general public. Written responses are requested from those companies interested in performing the services contemplated in this RFEI. Based on review of submitted responses, the District will conduct discussion sessions with a selected subset of Respondents.

The information gathered in written response to this RFEI and during the vendor discussion sessions may be used in developing the District's procurement strategy. The technical requirements and contractual terms of the projects will be developed further and incorporated into the procurement documents. A list of reference documents is provided in Section 1.6 of this RFEI.

3.2.1. General Company Information

Respondents shall submit a cover letter on company letterhead transmitting the company's EOI for providing the requested services executed by a corporate officer of the company. The company shall provide the following information:

- Business structure of the Respondent entity (e.g., corporation, partnership, sole owner, joint venture, etc);
- The ultimate parent company ownership of the proposing entity;
- The address and location of the office responsible for providing the potential services;
- Name, address, telephone number, and contact person who will be responsible for all services to be provided;
- The area of expertise of the Respondent entity;
- Information related to the financial resources, professional ability to implement any or all component(s) of their plan(s);
- Related experience performing the services;
- At least three (3) references from clients that have acquired similar services to the services being considered; and
- A timeline of how long your company has been providing the respective services.

3.2.2. Overall Approach

A narrative shall be provided that describes the Respondent's understanding of the RFEI and its objectives, as well as the Respondent's overall proposed approach. In this section, the Respondent should discuss:

- The role the Respondent may be able to serve in order to meet the District's needs (e.g., technology vendor, overall program manager and project guarantor, single source provider of all services, etc.);
- A narrative description of the component(s) of their proposed plan(s) or product(s) that would aid the District's solid waste management efforts, including a description of the proposed management approach and pricing structure;
- The portion, component, or amount of the District's waste that their proposed system(s) would be able to manage;
- Any facilities owned by the Respondent that are currently in operation, and that may be incorporated into the Respondent's proposed approach;

- Any new facilities envisioned to be developed or acquired in the County or outside the County in order to assume the envisioned responsibilities;
- Sketches, drawings, photos, etc. of existing installations or any other graphics that would convey the proposed concept;
- Information related to the financial resources and professional ability to implement any or all component(s) of their proposed plan(s); and
- How the Respondent will involve the public in the implementation of their proposal.

3.2.3. Technical Issues

Issue 1. The District is open to a variety of solutions to the future needs of their solid waste management. Such solutions may include but are not limited to:

- Transfer, Haul and Disposal of Waste;
- WTE Processing ;
- Landfill Disposal;
- Thermal Conversion;
- Biological Conversion;
- Chemical Conversion;
- Recyclable Material Recovery and Marketing; and
- Recovered Material Beneficiation (for end user marketing).

Respondents should provide a discussion of interest and capability to perform each of the above-mentioned services. For each technology considered, please provide, as appropriate:

- A narrative describing the component(s) of the proposed plan(s) or product(s) that would aid the District's solid waste management efforts;
- The portion or amount of waste that the proposed system(s) would be able to manage; and
- Sketches, drawings, photos, etc. of existing installations or any other graphics that would convey the proposed concept.

Issue 2. The District may be interested in the use of innovative technologies as part of its solid waste management infrastructure. The District is, however, concerned about the reliability and effectiveness of any such technology.

Respondents shall discuss any innovative technologies it may propose for use in the District's System. For each technology considered, please provide at least the following, as appropriate:

- A description of the process flows, including all inputs, outputs, conversion methods, and related information to provide for a complete understanding of the technology(ies);
- The most probable throughput capacity to be accommodated by such technology(ies);
- Examples of similar projects completed by the Respondent, including their processing capacity, operating costs, commissioning date, and years of operation;
- Pre-processing requirements;
- Site requirements (area, location, etc.);
- Total waste reduction by weight and volume;
- Environmental impacts and required controls;
- Approximate capital and operating costs; and
- Any applicable revenues projected from the sale of products.

Issue 3. Available sites are limited in Broward County for the development of solid waste management facilities. Please indicate whether the Respondent owns sites in Broward County that are appropriate for use in the District's System.

Respondents shall describe the site in general terms, including total developable area, proximity to major transportation routes, and any other relevant information, that either potentially enhances or prohibits the site's use.

3.2.4. Business Terms and Costs

Issue 4. Capital and Operating costs and their impact on rates to be charged to member communities is of critical concern to the District. For any approach proposed by a Respondent, the Respondent must provide the following information to allow for complete understanding of key cost factors and associated uncertainties.

- Describe the overall business arrangements proposed. Such description should include, the following at a minimum:
 - Ownership arrangements;
 - Minimum waste commitments that would be economically viable;
 - and

- Whether contracting for spot market waste is a requirement.
- Provide an estimate of the projected costs for implementing the proposed strategy, including:
 - Estimated capital costs for development of a new facility of the type being proposed; and
 - Estimated operating and maintenance costs.
- Where not reflected in the estimated O&M expenses, estimate the following:
 - Required utility and consumable materials costs; and
 - Projected revenues to be generated by the facility being proposed.
- Indicate what conditions would allow the District to minimize its costs (i.e., flow control issues, waste commitments, spot market policies, etc.).
- Specify any performance guarantees the Respondent may be willing to provide relating to the following (for example):
 - Waste processing (tons/year, tons/day as appropriate);
 - Energy generation (KWH/ton, MW, MWH/yr, as appropriate);
 - Consumable usage;
 - Waste volume reduction levels; and
 - Others as appropriate.

Issue 5. Capital and operating costs can often vary based on tonnage commitments and contract terms. Please prepare a Table similar to Table 3-1 below that reflects the Respondents estimated costs for various tonnage commitments and contract terms. If more than one approach is proposed, the Table may be modified as appropriate.

Table 3-1: Estimated Costs for Contract Terms and Approaches

Tons/Day of Available Waste Stream	Proposed Services to be Provided by Respondent	Proposed \$/ton Per Agreement Time Period			
		5-yr	10-yr	15-yr	20-yr
499					
500-999					
1,000-1,499					
1,500-1,999					
2,000-2,499					
2,500-2,999					
3,000-3,499					
3,500-3,999					
4,000-4,999					