

REQUEST FOR INFORMATION AND EXPRESSIONS OF INTEREST

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METAL RECYCLING FROM CSWS RRF

1. Introduction

The Materials Innovation and Recycling Authority (“MIRA”) is a quasi-public entity, a body politic and corporate, created pursuant to Public Act 14-94 as a successor authority to the Connecticut Resources Recovery Authority (“CRRA”) and pursuant to C.G.S. Chapter 446e, Section 22a-261, as a public instrumentality and political subdivision of the State of Connecticut (the "State"). MIRA has the responsibility for the planning, design, construction, financing, management, operation and maintenance of solid waste disposal, volume reduction, resource recovery and related facilities considered to be necessary, desirable, convenient or appropriate in carrying out the provisions of the state solid waste management plan.

Via this Request For Information And Expressions Of Interest (“RFIEI”), MIRA is seeking information and expressions of interest from qualified firms (a “Respondent”) who can provide metal recycling services for metals generated at MIRA’s Connecticut Solid Waste System Resource Recovery Facility (“CSWS RRF”) located in Hartford, Connecticut.

2. Overview of the CSWS RRF

For purposes of this RFIEI, the CSWS RRF refers to two adjoining facilities:

- The Waste Processing Facility (or “WPF”) located at 300 Maxim Road in Hartford, CT which accepts Municipal Solid Waste (“MSW”) from municipalities and waste haulers and converts that MSW into Refuse-Derived Fuel (“RDF”), through a variety of shredding and separation processes. The metals which are separated at the WPF as part of these separation processes are hereafter referred to as “Pre-Burn” metals.
- The Power Block Facility (“PBF”), located at 1 Reserve Road, Gate 20, in Hartford Connecticut. This facility was originally a coal-fueled power plant which was redeveloped in the late 1980’s into a Waste-to-Energy Facility by MIRA’s predecessor, CRRA.

In the PBF, RDF is combusted in three boilers to create steam which is used to generate electricity in the Electrical Generating Facility (“EGF”) that is housed in the same facility. Ash residue, which contains ferrous metals which were not recovered at the WPF and which have been through the combustion process

("Post-burn" metals), is also generated at the PBF. The ash also contains non-ferrous metals, but MIRA does not currently remove them. The budgeted ash residue generation for FY17 was 178,000 tons per year.

3. Overview of Existing Metal Recycling Operations at the RRF

3.1 Overview of metals recovered

RRF operations currently generate three primary types of recyclable metals which may be available for recovery

- **Maintenance Metals:** maintenance metals and scrap metals of various grades and alloys generated from routine maintenance and capital projects throughout the RRF.
- **Pre-burn Ferrous Metals:** These consist of ferrous metals separated at the WPF during the process of preparing MSW into RDF. Currently ferrous metal is separated at the WPF. This Pre-Burn ferrous is entrained with approximately 35% MSW. MIRA's current metal recycler separates the ferrous from the entrained MSW and MIRA accepts the resulting separated MSW back from the metal recycler.
- **Post-burn Ferrous Metals:** Post-burn ferrous metal is currently recovered from the ash using a simple belt magnet.

3.2 Overview of current business arrangement

Under MIRA's current business arrangement, the Contractor performs all transportation services including the provision of sufficient 100 cubic yard trailers and roll-off containers staged on-site to accept the Ferrous Metal and Scrap Metal. Contractor's compensation for the transportation, processing and marketing services is based upon:

- in the case of Pre-burn and Post-burn Ferrous Metal, a per ton (2,000 lbs.) "Processing Fee" (as prescribed in the agreement) is charged to MIRA or paid to MIRA based on a "Rounded Index Value". The Rounded Index Values are based on the Auto Scrap Philadelphia High Side Index Price as adjusted and published by American Metal Market each month on the Monday issue following the second Friday of each month; and
- in the case of Maintenance Metals, Contractor pays to MIRA 75% of the "Index Value" for each Gross Ton (2,240 lbs.) received by Contractor any given month. The Index Value is based on the #1 HMS Index High Price as adjusted and published monthly in the Monday issue following the first Friday of every month.

3.3 Tonnage overview

Table #1 below shows the tonnages (all short tons i.e. 2000 lbs./ton) of each material for the last 3 fiscal years:

	FY 2017	FY 2016	FY 2015
Pre-burn Ferrous metal out	19,182.79	19,133.99	18,051.42
Post-burn ferrous out	764.39	698.64	829.27
Maintenance metals out	443.36	770.60	319.20
Scrap metals out	17.75	23.53	5.32
Residue returned to MIRA*	9,458.69	10,488.95	10,044.30

*Residue returned may exceed 35% of outbound. Current contract allows Contractor to deliver excess residue at their cost.

4. Types of Respondents

This RFIEI contemplates the following types of Respondents:

- (a) Scrap yards who have (or if awarded a contract could reasonably obtain) a solid waste facility permit which would allow them to accept and process pre-burn ferrous metals entrained with MSW, and/or post-burn ferrous metals which have been exposed to ash residue.
- (b) Solid waste facilities with valid solid waste permits and which are able to conduct metal transportation, separation, processing and marketing activities
- (c) Respondents who wish to propose a process to enhance the separation of ferrous or non-ferrous metals, or both, on site, either pre-burn from MSW at the WPF or post-burn from the ash residue at the PBF, or both.

5. Request for Information and Expressions of Interest Principles

- MIRA's agreement with its current metals recycler has currently been extended through June 30, 2018. Any arrangement resulting from this RFIEI is expected to commence on or after July 1, 2018.
- MIRA makes no guarantees as to the exact quantities of metals available from the RRF under this agreement.
- MIRA expects to follow this RFIEI with a Request For Proposals ("RFP") to implement any metal recycling solution at the RRF.
- MIRA reserves the right to follow up with any Respondent to clarify the information provided pursuant to this RFIEI, or to request additional documentation to support information included in any response.
- MIRA reserves the right at its sole and absolute discretion to extend any of the deadlines specified in this RFIEI.

6. Timeline

ITEM	DATE
RFIEI Documents Available	Wednesday, September 6, 2017
Deadline for Written Questions	3pm, Thursday October 5, 2017
Response to Written Questions	Friday, October 13, 2017
RFIEI Responses Due at MIRA	3pm Thursday, October 19, 2017

7. Site tours

MIRA reserves the right to conduct a tour of the RRF facility for any potential respondent upon request at a time convenient to MIRA.

8. Specific Information to be provided

8.1 For Respondents who are scrap metal yards

Respondents who are scrap metal yards must provide the following information:

- (a) Location of facility(ies) to which Respondent would bring metals (inclusive of pre-burn metals, post-burn metals and maintenance metals) from the RRF.
- (b) Information regarding all applicable solid waste and other permits (e.g. air permits, water permits) which would allow Respondent to process waste-entrained metals at your facility.
- (c) Describe the “planning-level” fee structure by which the Respondent would expect to pay MIRA for any scrap metals recovered (inclusive of pre-burn metals, post-burn metals and maintenance metals), including any third party price indices (e.g. American Metals Market) upon which pricing would be based. Would Respondent expect each pricing element contained in the scope of services (transportation cost, processing cost, metal revenues, etc.) to be independent, transparent elements or conjoined into a single lump sum price? Would Respondent expect to include any “price ceilings” or “price floors” in their fee structure?
- (d) What is Respondent’s plan for disposing of the MSW residue that is separated from the metals? If MIRA requested that such waste be returned to the RRF, could Respondent accommodate such request?

8.2 For Respondents who are solid waste facilities at which metal recycling separation and recovery activities may occur.

Respondents who are solid waste facilities must provide the following information:

- (a) Name and location of Respondent's solid waste facility.
- (b) Information regarding all applicable solid waste and other permits (e.g. air permits, water permits) possessed by Respondent which would allow Respondent to process waste-entrained metals at your facility.
- (c) Description of existing or proposed metal recycling operations at the Respondent's solid waste facility. Do such activities include both ferrous and non-ferrous metals recovery?
- (d) Describe the "planning-level" fee structure by which the Respondent would expect to pay MIRA for any scrap metals recovered (inclusive of pre-burn metals, post-burn metals and maintenance metals), including any third party price indices (e.g. American Metals Market) upon which pricing would be based. Would Respondent expect each pricing element contained in the scope of services (transportation cost, processing cost, metal revenues, etc.) to be independent, transparent elements or conjoined into a single lump sum price? Would Respondent expect to include any "price ceilings" or "price floors" in their fee structure?
- (e) What is Respondent's plan for disposing of the MSW residue that is separated from the metals? If MIRA requested that such waste be returned to the RRF, could Respondent accommodate such request?

8.3 For Respondents who propose to process and separate metals on-site at the CSWS RRF.

Provide details regarding the following:

- (a) Provide an overview description of the process and equipment Respondent proposes to utilize to perform the metal separation. What is the spatial footprint of that equipment?
- (b) What is Respondent's level of investment and what agreement term would be necessary to implement this option. What is financial model recommended by Respondent for such equipment? Would respondent expect to lease the equipment to MIRA for a specific term as a transparent, independent component of the overall price or would it be incorporated within a single lump-sum price?

- (c) What is staffing requirement to conduct those on-site metal recovery activities. Does Respondent envision such activities being performed by the RRF operator or as a separate Respondent-staffed operation within the WPF footprint? If the latter, Respondent should provide details regarding “planning level” safety procedures and operating protocols to ensure that metal separation activities do not inhibit routine operations of the RRF.
- (d) Once metals are separated on site, describe plan to store and transport separated metals to effectively deliver them to market.
- (e) Describe the “planning-level” fee structure by which the Respondent would expect to pay MIRA for any scrap metals recovered (inclusive of pre-burn metals, post-burn metals and maintenance metals), including any third party price indices (e.g. American Metals Market) upon which pricing would be based. Would Respondent expect each pricing element contained in the scope of services (transportation cost, processing cost, metal revenues, etc.) to be independent, transparent elements or conjoined into a single lump sum price? Would Respondent expect to include any “price ceilings” or “price floors” in their fee structure?

9. Submittal Details

Responses to this RFIEI shall be submitted, as per the schedule set forth in Section 6 of this RFIEI, to the offices of MIRA, 200 Corporate Place, Suite 202, Rocky Hill, Connecticut, Attn: Roger Guzowski.

9.1 Response Format

Each Respondent must submit one (1) original printed “hard copy” response (the “Original”) and one electronic copy (the “Electronic Copy”) of its response to this RFIEI.

- (a) The **Original Response** shall be an original printed “hard copy,” The Original Response should be loose leaf, bound with a binder clip, and stamped or otherwise marked “Original.” In addition, tabs (numbered or lettered) should be used to delineate sections of the proposal.
- (b) The **Electronic Copy** must be in PDF format saved to a compact disk (“CD”) or USB Flash Drive (“Thumb Drive”) which is submitted together with the original response.

A complete Response, including both the Original Response and Electronic Copy of the Response shall be enclosed in a sealed envelope that shall be clearly marked “Information and Expression of Interest Regarding Scrap Metal From The CSWS RRF.”

9.2 Response Contents

A complete response shall include:

- (a) A cover letter, signed by an individual authorized to submit a Response on behalf of the Respondent including the following:
 - a. The title of the solicitation
 - b. The name and legal structure of the Respondent's firm
 - c. The name and contact information (phone number, e-mail & mailing address) of the representative of the Respondent firm that MIRA should contact if MIRA has any questions regarding the Response or the Respondent.
 - d. An acknowledgement of any and all Addenda to this RFIEI issued by MIRA.
- (b) Responses to the applicable requests for information specified in Section 8 of this RFIEI;
- (c) Any additional information that Respondent thinks will help MIRA evaluate its Response. Respondent should not include information that is not directly related to the subject matter of this solicitation.