

EMERALD COAST UTILITIES AUTHORITY

RFQ NUMBER: CC2014 09
ALTERNATIVE ENERGY FACILITY
TO INCLUDE DESIGN, SUPPLY AND CONSTRUCTION OF ECUA FACILITY

ADDENDUM NUMBER 3

January 17, 2014

Prospective Bidders:

The following questions were raised during the site visit of January 10, 2014, and the answers are being distributed to all interested parties:

1. Do we have access to other waste streams? Yes, the ECUA collects approximately 90,000 tons per year (TPY) of residential and commercial municipal solid waste (MSW). The ECUA does operate a curbside recycling program which collects another 12,000 tons per year. Currently the 90,000 tons of MSW is delivered to a Landfill operated by Escambia County, Florida. The 90,000 tons delivered by ECUA equates to approximately 38% of the total tonnage delivered to the County operated Landfill. Escambia County has implemented a flow control ordinance within Escambia County; however, by law flow control cannot apply to recovered materials, even if recovered post-collection. Moreover, under Florida law, recovering energy from solid waste constitutes resource recovery.

The ECUA has signed a 15 year contract with Southern Waste Recovery (SWR) to provide a dirty material recovery facility (MRF) that will process the 90,000 tons of MSW collected by the ECUA. SWR will process the MSW for recycling and refuse derived fuel (RDF) production. SWR has not begun construction of the facility or operations, and it will control the end use of the RDF. Vendors responding to this RFQ could contact SWR to discuss the availability and specifications of the RDF, and SWR has indicated it would be open to those discussions.

The ECUA does operate a curbside recycling program, which collects another 12,000 tons per year. The recyclable material is currently processed by West Florida Recycling under a 15 year contract with the ECUA.

2. Is yard waste banned at the local landfills? No, the State of Florida allows yard trash disposal in construction and demolition (C&D) landfills and Class 1 Landfills. The ECUA is currently disposing of all the yard trash it collects in a C&D landfill.

3. What is most of the yard waste made up of and specifically is there much Palm tree debris in it? Oak and Pine mostly, some Palm.
4. What do we pay to dispose of yard waste? \$3/yard which is about \$12/ton
5. Do wind/ tropical storms have a big impact on yard waste volume? *Yes*, up to 5 times as much.
6. What is the Steam pressure we run the dryer at? Typically 80-95 pounds and temperatures of the product leaving the dryer is about 300 degrees F.
7. Are specifications on the steam generators available? Yes, if they need them. See question 2 in next section.
8. What is the volume of the wet cake sludge hopper? Did not know but could provide if needed. See dimensions in question 6 in next section.

Another set of questions was received January 13th , the answers follow below:

1. Can you provide the sludge storage capacity of the 2 sludge holding tanks?
1.5mg each, 2 tanks = 3mg
2. Can you provide the make, model and spec on the boiler unit used to create the steam for the dryers? Clayton Industries Steam Generators, 2 units, model E354, 315 bhp, 10,544,625 btu/hr, 10,858 lb/hr
3. Can you provide the current cost per dry ton for biosolids handling? The answer to the question varies depending on what is considered part of biosolids handling. If the cost of drying only is considered, it is approximately \$200 per dry ton.
4. Can you provide the polymer consumption per DT of sludge? 35lb/ton
5. Can you provide the make, model and spec on the filter presses? Huber screw presses model ROS3 (12 screw presses), design 26gpm, capacity 57gpm@1.5%, cake dryness 16%
6. Can you provide the make, model and spec on the feed hopper to the dryers? Custom Conveyor Corporation serial #308108 sh-1&2: Hooper height 8' 7 1/2", length 15', width at bottom 3' 10 1/2", width at top 8' 6"
7. What is your current cost of disposal per ton of yard waste? See Question 4 of first section.

8. Can you provide the volume of yard waste by month as I am sure it is seasonal? See attached spreadsheet.
9. If you have the breakup between grass, leaves and brush can you possibly provide that by month? Do not have this information.
10. Can you provide the volume and cost to transport materials from your other sites to the plant? The volume from the other plants varies month to month. The volume from Bayou Marcus is thickened to approximately 5% solids prior to transport and from the Beach it is typically approximately 1%. For the last six months, the volumes have averaged approximately 680,917 for Bayou Marcus and 461,500 gallons for Pensacola Beach.
11. What is the current % solid feed to the filter presses? Varies, but is typically between 1 and 2.5%.

If you have any questions, please call my office at 850-969-6531, or email me at amy.williamson@ecua.fl.gov.

Regards,

Amy Williamson, CPPB, FCCM
Senior Purchasing Agent