



MANATEE COUNTY

May 6, 2011

TO: All Interested Proposers

Reference: **REQUEST FOR PROPOSAL #11-1568BG DESIGN / BUILD CONSTRUCTION SERVICES for LENA ROAD GAS ELECTRIC GENERATOR**

ADDENDUM # 1

Proposers are hereby notified that this Addendum shall be acknowledged by them within their proposal and shall be made a part of the above named Proposal and Contract Documents.

The following items are issued to add to, modify, and clarify the Proposal and/or Contract Documents. These items shall have the same force and effect as the original Proposal and /or Contract Documents. Proposals are to be submitted on the specified date and shall conform to the additions and revisions listed herein.

1. Proposers are hereby notified that all Addendums shall be acknowledged within Their Proposal and made a part of the above named proposal documents. Proposals submitted without Acknowledgement of any and all Addendums will be considered incomplete.
2. Deadline for Clarification Requests remains unchanged April 28, 2011 @5:00P.M.
3. Proposal Due Date and Time **is changed to:** May 16, 2011 at 1:00 P.M.

CONTINUED NEXT PAGE

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4. See attached six (6) page document dated May 4, 2011 from Atkins North America, Inc. (formerly known as PBS&J) for answers to questions or requests for clarification.

If you have submitted a proposal prior to receiving this addendum, you may request in writing that your original, sealed proposal be returned to your firm. All sealed Proposals received by the stated date and time will be opened.

Sincerely,


for: Melissa Assha
Contracts and Buyer Manager
Purchasing Division



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Manatee County
Lena Road Landfill

REQUEST FOR PROPOSAL #11-1568BG

**DESIGN / BUILD CONSTRUCTION SERVICES for
LENA ROAD GAS ELECTRIC GENERATORS**

ADDENDUM #1

May 4, 2011

The following items represent clarifications, additions and/or modifications to the Proposal Documents for the above referenced project. This Addendum shall hereafter be regarded as part of the Proposal Documents. Items not referenced herein remain unchanged. Receipt of this Addendum shall be acknowledged below and on the Proposal Form.

This Addendum consists of:

- Six (6) cover pages

In addition to the clarification to written requests for information, these items replace original items previously issued or are to be added to the Proposal Documents as indicated.

**PART I - PERTAINING TO EXHIBIT B: DESIGN CRITERIA FOR LENA ROAD GAS
ELECTRIC GENERATORS**

1. PERMIT REQUIREMENTS, Page 4.
 - a. Delete Item 5 and replace with the following: "Southwest Florida Water Management District - Environmental Resource Permit (SWFWMD-ERP) - Apply for the SWFWMD-ERP and pay all related fees."
2. Section 2: Design Criteria, Summary, Page 5.
 - a. Add the following text to the end of the first paragraph:

"The interconnection voltage between these generators and the WWTP and the Biosolids Dryer Facility is 480 volts, 3 phase."

PART II – CLARIFICATIONS TO PROPOSERS QUESTIONS

1. Is the proposal for 2 GenSets? One for 1.6Mw and the other at 600 kW?

Response: Refer to EXHIBIT B (Design Criteria for Lena Road Gas Electric Generators), SECTION 2, GENERAL REQUIREMENTS SUBGROUP, under section titled “SUMMARY”, for a description of the project including number of generators proposed. Refer to EXHIBIT B, SECTION 2, FACILITY CONSTRUCTION SUBGROUP, ELECTRICAL, Item #8 (Engine Generators) for generator sizing requirements.

2. I located two electrical rooms on the drawings but no indication that these are the rooms for the GenSets; is there space available or are the GenSets to be containerized? In addition, if building space is available where is the GA drawing to review footprint and dimensions?

Response: The two electrical rooms are the locations where each GenSet will be wired into its respective power receptor. There is no space available for the GenSets in any building on site. Therefore, we expect that the GenSets will have to be containerized.

3. Who is the engineer of record (EOR) for the Lena Road gas to energy project?

Response: The Design/Build Contractor will be the Engineer of Record (EOR) for the project including all design, permitting, construction and certifications. As noted in EXHIBIT B, SECTION 1, PERMIT REQUIREMENTS, the Design/Build contractor will also be responsible to apply for and receive the Title V construction permit (or permit modification) for this project and will be the EOR for construction under that permit, as well as all other construction permits. The County’s consulting engineer (Atkins, f.k.a. PBS&J) will apply for the Title V operating permit using Design/Build contractor supplied system test data and other information required for the permit application and will be the EOR for the Title V operating permit only.

4. Where is the voltage listed for the GenSets?

Response: See Part I, Item 2 above for the interconnect voltage requirement. The Design/Build contractor is to determine the voltage requirements for the GenSets, and any additional electrical equipment necessary to support the GenSets.

5. Are drawings of the site available in DWG format and will they be made available to the winning bidder?

Response: No drawings are available at this time.

6. Are electrical single lines available for the Biosolids Dryer Facility and wastewater treatment plant (WWTP) electrical rooms?

Response: Current single line diagrams for these facilities are not available at this time.

7. We assume there are two separate interconnections. Please confirm the interconnection voltage. Is it the same at both? What are the distances to the tie-in points?

Response: There are two separate tie in points located in the Biosolids Dryer Facility electrical room and the WWTP electrical room as shown on Figure 3 of Exhibit A. See Part I, Item 2 above for the interconnect voltage requirement. The Design/Build Contractor is responsible to determine the final distance to the tie in points once their cable route is established.

8. There are some inconsistencies in the documents regarding generator sizing. Please confirm that the County desires 1.62 megawatts (MW) at the WWTP and 607 kilowatts (kW) at the Biosolids Dryer Facility; and that the successful proposer will be responsible for any necessary permit modifications to reflect this generator sizing.

Response: See responses to questions 1 and 3 above.

9. What is the vacuum level we are required to maintain on the landfill's landfill gas extraction system if the existing blower/flare station is offline?

Response: Sufficient vacuum as determined by the Design/Build contractor to supply each GenSet with the amount of gas necessary to maintain full production of electricity and to supply the Biosolids Dryer with the gas it requires to operate.

10. The noise restriction of 55 dbA at 25 feet is likely not attainable without extensive noise abatement equipment. What is driving this noise limit? Is it a noise limit at the property boundary or somewhere else? This requirement could increase the project cost considerably.

Response: It has been determined that a noise level of 55 dbA at 25 feet from the equipment is necessary and achievable.

11. What voltage is required at the electrical tie-in points from the generation plants?

Response: See Part I, Item 2 above.

12. Does the switchgear that the generation plant tie-into have a spare feeder/or breaker available for the tie-in (typ both plants)?

Response: Design/Build Contractor to determine this as part of the final design process.

13. What is the typical electrical load profile for both plants?

Response: It is the responsibility of the Design/Build Contractor to perform or hire a firm to perform a load profile for both plants.

14. What lfg pressure is required for the Biosolids dryer? Nominal, maximum, minimum pressures allowed.

Response: 4-5 psi is the operating range.

15. The RFP states the flow to the Biosolids is approximately 450 scfm. What is the maximum design flow?

Response: At this point in time 450 scfm is the maximum design flow. If we exceed this flow rate we end up blowing the burner flame out. The County is currently looking at the current design and may come up with a better way of utilizing the methane in the future.

16. Please provide information on the existing flare blower that provides the landfill vacuum. The RFP states we should provide the landfill vacuum if the blower goes down. Does the county want us to match the current capacity of the flare blower or is there a future capacity in mind when Stage III is opened?

Response: The purpose of providing a back up blower is to be able to supply gas to the WWTP generator, the Biosolids Dryer and the Biosolids Dryer generator should the landfill's blower be out of service for any reason. The blower should have sufficient capacity to pull the vacuum, as determined by the Design/Build contractor, to supply each GenSet and the dryer with the amount of gas necessary to maintain full production of electricity.

17. What vacuum is required for the landfill and do you expect this to change when Stage III is added?

Response: Sufficient vacuum as determined by the Design/Build Contractor to supply each GenSet with the amount of gas necessary to maintain full production of electricity. This would not change due to changes in Stage III.

18. Will Manatee Co pay for the interconnect costs? RFP states we are responsible for providing FP&L the technical information but no mention of payment for the interconnect costs that FP&L may charge.

Response: The County will pay any interconnection fees that FPL may charge. All equipment and connection costs interior of the FPL meter are the responsibility of the Design/Build Contractor.

19. Please provide existing P&ID for the flare/blower system

Response: These drawings are not currently available

20. Please provide existing lfg P&ID for the existing Biosolids dryer.

Response: These drawings are not currently available

21. For the operation & maintenance plan – does the County require an operator to be on site 24/7?

Response: The County does not require an operator to be on site 24/7. It is up to the Design/Build contractor to determine the appropriate level of onsite supervision of the equipment required to meet their commitments under this contract.

22. Does the County have space for a control room for this project? Does a separate control room need to be provided and if so, is there a preferred location? Typically this will be for the HMI on the plant PLC system.

Response: Design/Build contractor to determine the need for this and provide if necessary to meet the project specifications. The WWTP control room is available for the GenSet system serving that facility depending on space available and system requirements. There is no control room for the Biosolids facility, so the contractor will have to provide their own accommodations for HMI equipment at this location.

23. What type of interface/data sharing is required with the existing plant control system?

Response: This will be determined as part of the design process.

24. Who is responsible for providing the coordination study of the existing electrical system?

Response: Design/Build Contractor

25. Who is responsible for modification of any existing electrical equipment for the generating plant?

Response: Design/Build Contractor

26. What is the current cost of electricity and what cost will be used for the evaluation of the bids?

Response: The current cost of electricity is not a factor in the evaluation of proposals for this solicitation. Section B.04. and B.05 of the RFP identifies the costs that will be used in the evaluation of these proposals.

27. Is compressed air available at the existing blower/flare skid for operation of additional valves?

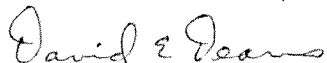
Response: No.

28. Are both generators BSDF & WWTF required to shut down if the power grid goes down and restart when the grid comes back up or will both generators be required to switch off power to the grid and maintain power to the BSDF & WWTF ?

Response: When power from the grid goes down, the gas generators will be required to shut down, and the WWTP emergency generator will pick up the load. When the grid comes back up, the plant load will switch back to the gas generators.

End of Addendum 1

Atkins North America, Inc.



David E. Deans, PE, BCEE
Vice President