



COUNTY OF DANE
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Director of Administration

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Controller

DATE: May 8, 2018
TO: All Proposers RFP# 118056 – Manure Digester Feasibility Study
FROM: Pete Patten, Purchasing Agent
SUBJECT: Addendum #2 to RFP# 118056 – Manure Digester Feasibility Study

Question 1

Dane County is upgrading its landfill located at 7102 US Hwy 12 in Madison, WI for collection and injection of biogas from landfill waste. In addition, an injection pipeline will be installed for offsite deposit of biogas from facilities such as digesters. Dane County is currently developing a cost and fee structure to allow those offsite users to participate within the Renewable Identification Numbers (RINs) market and California Low Carbon Fuel Standard credits. The cost and fee structure will be provided to the vendor after award. The biogas facility is planned to be operational at the landfill in Fall of 2018. Can the County provide any information specific to the landfill injection point in terms of status of coordination with gas pipeline owner/utility, specification of injection standards, volume limitations, etc.?

Answer: The owner of the pipeline at the landfill is ANR/TransCanada. The County facility will include an off-load station, which digesters could use to off-load tube trailers full of biogas that has been cleaned to the ANR/TransCanada injection standards. It is anticipated that the digester owner will pay Dane County a price per dekatherm for the use of this offload station and access to the pipeline injection point. The County is in ongoing communications with ANR/TransCanada, and it is anticipated the pipeline injection interconnect will be completed by the end of the year (2018). The digester owner will have to negotiate with ANR/TransCanada to get approval to inject the digester biogas into their pipeline. ANR/TransCanada has provided Dane County with the injection standards that Dane County must meet for Dane County's landfill biogas to be injected in the pipeline. Those standards are in the table below. The digester gas will use the same injection point as the landfill biogas, so it is highly likely that the standards would be the same for the digester biogas. Dane County makes no guarantees that these are the final standards that the pipeline company will impose on the digester sites.

Component	Units	ANR
H2S	Grains/100scf	SE & SW Area 1.0 Mainline Area 0.25
Water	lbs/MMscf	7
CO2	Mole %	2%
Nitrogen	Mole %	3%
Oxygen	Mole %	1%
Total Diluents	Mole %	No Specification
Btu	Btu/scf (Max)	1200

Btu	Btu/scf (Min)	967
HDP	Degrees Fahrenheit	15⁰F Safe Harbor
Temperature	Maximum Fahrenheit	120⁰F
	Minimum Fahrenheit	40⁰F
Mercaptan Sulfur	Grains/100scf	No Specification
Total Sulfur	Grains/100scf	20
Dust Gum Solids	None	Commercially Free
Liquids	None	Commercially Free
Hazardous Materials	None	Shall not Contain
Wobbe	Minimum	No Specification
	Maximum	No Specification

The County offload station will be able to unload one trailer at a time. The estimated unload times for 2 sample trailer types are listed below.

Sample Trailers							Hours to Unload a Single Trailer	
Per Trailer	Gas Temp (F)	Trailer PSI Start & End	% CH4	GGE	Dth	SCF		
LightStore Trailers	59	3625	97	2,995	368	379,340	Decant Time	0.66
	59	200	97	573	70	72,569	Compressor Run Time	0.39
								1.05 Hours
Titan Trailers	59	3600	97	2,411	296	305,356	Decant Time	0.53
	59	200	97	439	54	55,611	Compressor Run Time	0.30
								0.83 Hours

Question 2

Sections 4.0 and 4.2 refer to “page limitations,” but a page limit is not specified in the RFP. Is there are a page limit for proposals and, if so, do the following items count toward this limit?

- Cover page
- Cover letter
- Table of contents
- Resumes (if submitted in an appendix)
- Other appendices (such as project examples and thought leadership)

Answer: There are no page limitations pertaining to vendor responses for this RFP. Please disregard references to page limitations.

Question 3

As it pertains to the funding analysis of the feasibility study, does Dane County currently have any funding identified or allocated towards the design/construction or implementation of a new digester, biogas upgrading, byproduct treatment, or manure storage facility?

Answer: No specific funding has been identified at this point for implementation. Depending on outcomes of the feasibility study, funds may be allocated for the next stage.

Question 4

What is the expected or anticipated timeline for completion of the feasibility study?

Answer: The feasibility study is expected to be completed in 2018 with a final report provided by December 31, 2018. Also, we anticipate at least one progress report provided September 1, 2018. Using these two items as key deadlines, we would expect the consultant to provide a timeline of tasks/objectives of the project.

Question 5

Does the County have a minimum preferred size of the potential project in terms of animals required, biogas production, manure use etc.?

Answer: Currently, each of the existing two digesters process approximately 100,000 gallons of manure for approximately 2,500 cows. We would anticipate targeting at least a similar size.

Question 6

How much discussion and relationship building has already occurred between the Producers and the County about this potential project?

Answer: We have not had direct discussions with any specific farmers and their interest. We have announced the project at the annual Yahara Pride Farms Conference on March 9, 2018 with more than 125 farmers. Also, the project was announced at Clean Lakes Alliance Breakfast on May 2, 2018 with more than 700 people. The County also sent out a press release on April 26, 2018 announcing the project: <https://www.countyofdane.com/press/details.aspx?id=4230>

Question 7

Are the Producers aware that another digester is being considered?

Answer: We have not identified the specific producers that would be part of another digester. One of the tasks of the feasibility study is to perform a farmer survey and a needs assessment for the producers that would be part of the digester.

Question 8

Who will be part of the selection committee?

Answer: It is policy that Dane County does not release RFP evaluation committee member names until the RFP process has concluded.

Please acknowledge receipt of this addendum by noting "Addendum #2 Received" on the Signature Affidavit page when you submit your bid. If you have any questions regarding this addendum, please contact me at 608-267-3523.

Sincerely,

Pete Patten
Dane County Purchasing Agent