

Staff Data Requests

L. Collinwood BioEnergy, LLC, Case No. 14-2243-EL-REN

We are withdrawing this request for CNG.

1. Please confirm the case number in this application as 14-2243-EL-REN.
2. Please confirm that this application for CNG (compressed biogas) is associated with the renewable electric generating facility certified in case no. 12-2117-EL-REN.
3. Provide a process flow diagram which includes the proposed locations for the gas flow meters, as referenced in response to question G.3. of the application.
4. Does any of the metered gas to be converted to renewable energy credits (RECs) include any of the following:
 - a. Flared gas -
 - b. Gas used for internal processes such as the hot water boiler –
 - c. Gas used for electrical generation -
 - d. Biogas prior to CO2 removal and cleaning -
5. In Section G.2 of the application, CNG production is projected to be approximately 3,000 gge/day. How much biogas in million standard cubic feet is the facility projected to produce per year?
6. Please provide the formula that will be used to convert the amount of CNG produced to renewable energy credits (RECs).
7. If a formula such as this is used

$$RECs = xft^3 * y \frac{BTU}{ft^3} * \frac{1 MWH \text{ or } REC}{3,412,142 BTU}$$

- a. Where:
- b. x= metered biogas
- c. y= BTUs per ft³ of biogas
- d. 1 MWH/3,412,142 BTU is a statutory conversion factor for biologically derived methane gas
- e. How will the BTU per ft³ of biogas be determined? If it is through testing, how often will the testing be done? [daily](#)

8. Section G.2 of the application refers to the creation of carbon offsets. Describe how the facility is creating carbon offsets, how those offsets are managed, and how the carbon offsets relate to any RECs that would be sought for this facility's output.
9. Please identify the fuel types used by the facility.
10. Please describe the content (fully characterize the fuel material) and source of all specific fuel feedstocks.
11. Please estimate the number of RECs that will be created through the generator set, heat, and biogas for this facility.
12. Is the air added to support desulfurization included in the metered CNG?
13. What is the percentage of methane in the CNG when it is metered?
>95%
14. The in-service date in section H is listed as 7/2/12. Is this the date CNG production started at the facility? If not, when did CNG production begin?
15. Section N.1.e of the application refers to a photograph attachment of a SCADA screen shot of the CNG meter totalizer reading that is not included as an attachment in the application. Please provide this photograph.
16. Please provide a photo of the Mircomotion meter referred to in section N.
17. What is the accuracy of the proposed gas flow meters? Please provide documentation.
18. What is the unit of measurement of the proposed gas flow meters?

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Summary: Reply electronically filed by Mr. Bruce Bailey on behalf of Collinwood BioEnergy, LLC