

STATE OF NORTH CAROLINA  
 UTILITIES COMMISSION  
 RALEIGH  
 DOCKET NO. G-9, Sub 698  
 DOCKET NO. G-9, Sub 728

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of	)	GESS RNG BIOGAS USA, LLC
Application of Piedmont Natural	)	GESS INTERNATIONAL
Gas Company, Inc. for Approval of	)	NORTH CAROLINA, INC.
Appendix F to its North Carolina	)	RESPONSE TO
Service Regulations	)	COMMISSION ORDER
	)	REQUESTING INFORMATION
	)	ON STATUS OF RENEWABLE
	)	NATURAL GAS PROJECTS
	)	

GESS RNG Biogas USA, LLC, successor in interest to GESS International North Carolina, Inc. ("GESS"), hereby respectfully responds to the respective enumerated information requests of the Commission's March 31, 2022 Order as follows:

1. *Describe the types of RNG (landfill gas, swine waste, poultry waste, etc.), the percentage of each type of RNG, and the quantities and pressures of RNG to be supplied at all interconnection points and injection points (collectively, interconnection points).*

**Response:**

In response, GESS states as follows:

Sites:

- a. Monroe/Union County NC - Cox Brothers Farms/Tyson Foods – 25% Poultry Litter, 35% Food Waste, 20% Swine, and 20% Agricultural Row Crop Waste for approximately 165,000 MMBtus per year-1,000 PSI ;

- b. Brunswick/Columbus County NC - 25% Poultry Litter, 55% Swine, and 20% Agricultural Row Crop Waste for approximately 150,000 MMBtus per year-1,000 PSI ;
  - c. Elizabeth Town - Bladen/Robeson Counties NC - 25% Poultry Litter, 55% Swine, and 20% Agricultural Row Crop Waste for approximately 150,000 MMBtus per year- 1,000 PSI ;
  - d. Harmony, NC - Iredell County - Tyson Foods - 25% Poultry, 55% Food Waste, and 20% Agricultural Row Crop Waste for approximately 140,000 MMBtus per year- 1,000 PSI.
2. *State the size and operating pressure of Piedmont's pipeline at all planned interconnection points.*

**Response:**

In response, GESS states as follows:

Sites:

- a. Monroe/Union County NC - 4" Line- 1,000 PSI ;
- b. Brunswick/Columbus County NC - 30" Line- 1,000 PSI ;
- c. Elizabeth Town - Bladen/Robeson Counties NC - 30" Line- 1,000 PSI ;
- d. Harmony, NC - Iredell County Unknown.

3. *State the current winter and summer volumes on Piedmont's pipeline at all planned interconnection points.*

**Response:**

In response, GESS states as follows:

Sites:

- a. Monroe/Union County NC - Approximately 165,000MMBTU per year with consistent flow through summer and winter ;
  - b. Brunswick/Columbus County NC - Approximately 150,000MMBTU per year with consistent flow through summer and winter ;
  - c. Elizabeth Town - Bladen/Robeson Counties NC - Approximately 150,000MMBTU per year with consistent flow through summer and winter;
  - d. Harmony, NC - Approximately 140,000MMBTU per year with consistent flow through summer and winter.
4. *State the number of farms and other providers that have been contracted with to provide RNG.*

**Response:**

In response, GESS states as follows:

The number of farms anticipated to supply manure and/or agricultural feedstock to each Biogas site to develop RNG:

Site:

- a. Monroe/Union County NC - 1 Farm and 1 Food Processing Plant ;
- b. Brunswick/Columbus County NC - Multiple Farms ;

- c. Elizabeth Town - Bladen/Robeson Counties NC - Multiple Farms ;
- d. Harmony, NC - Multiple Farms and 1 Food Processing Plant.

5. *Provide the details of your plans for selling RNG, including: (a) The name(s) and location(s) of the buyers, (b) whether the buyer(s) will be end users of the RNG or will resell it to another entity, and (c) the manner in which the price of the RNG will be determined.*

**Response:**

In response, GESS states as follows:

- a. Cyclum Renewables, LLC 9920 Kinsey Ave. #120 Huntersville, NC 28078;
- b. Cyclum Renewables, LLC will dispense into Transportation Vehicles as RNG, EV, and or Hydrogen ;
- c. Gas molecules - on Henry Hub at market rate. Environmental attributes including LCFS/RPS - market and/or contract rates.

6. *Describe the status of any negotiations with Piedmont for entering into a receipt interconnect agreement (RIA), and state when you anticipate entering into an RIA.*

**Response:**

In response, GESS states that it has been negotiating for Bladen/ Robeson County Spring of 2023, Union County Fall of 2022, and Brunswick/ Columbus County Spring of 2023.

7. *Describe the current construction status of your RNG facility.*

**Response:**

In response, GESS states as follows:

Sites:

- a. Monroe/Union County NC - Starting our FEL 2 process in July 2022 – August 2022
- b. Brunswick/Columbus County NC - Starting our FEL 2 process in by February 2023 ;
- c. Elizabeth Town - Bladen/Robeson Counties NC - Starting our FEL 2 process in by February 2023 ;
- d. Harmony, NC - Multiple Farms and 1 Food Processing Plant - Starting our FEL 2 process in by April 2023.

8. *State the projected date for commercial operation of your RNG facility.*

**Response:**

In response, GESS states as follows:

Sites:

- a. Monroe/Union County NC - Spring 2023 ;
- b. Brunswick/Columbus County NC - Fall 2023 ;
- c. Elizabeth Town - Bladen/Robeson Counties NC - Fall 2023 ;
- d. Harmony, NC - Winter 2023.

Overall, upon starting construction of the last three (3) projects in 2023, GESS expects start three (3) more projects, towards its goal of twelve (12) projects in North Carolina, with 150,000 MMBTU's per site.

Respectfully submitted, this the 19<sup>th</sup> day of May, 2022.

BROOKS, PIERCE, MCLENDON, HUMPHREY & LEONARD, LLP

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CERTIFICATE OF SERVICE

The undersigned certifies that the foregoing was served this day by U.S. Mail, by depositing a copy of the same in a depository of the U.S. Postal Service in a pre-addressed and postage-prepaid envelop and addressed as shown below, or by providing electronic mail service or electronic filing service via the NCUC filing system to those shown below, which corresponds to the official service list for this proceeding:

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