

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION  
DOCKET NO. G-9, SUB 698B  
DOCKET NO. G-9, SUB 810

In the Matter of:	)	
Status Reports of Renewable	)	<b>REPORT OF</b>
Natural Gas Developers	)	<b>CARDINAL BIO ENERGY, LLC</b>
	)	

**BIANNUAL REPORT AUGUST 1, 2023**

Pursuant to the North Carolina Utilities Commission's November 18, 2022, Order in Docket No. G-9, Sub 698 and other related dockets, including Docket No. G-9, Sub 810, Cardinal Bio Energy, LLC ("Cardinal") hereby submits the following biannual status report regarding the renewable natural gas project that Cardinal is developing in and around Maxton and Laurinburg, North Carolina (hereinafter the "*Laurinburg Project*").

**RESPONSES.**

*1. Source of RNG, and quantity and pressure at all interconnection locations.*

Answer: The *Laurinburg Project* is presently in the design phase. It is anticipated that 100% of the source material will be [REDACTED]

[REDACTED] will be injected annually at the interconnection location with no more than approximately [REDACTED]

[REDACTED]. The finished RNG production pressure will be boosted at the interconnection point to exceed the pipeline pressure at that location but will not exceed Piedmont Natural Gas Company, Inc.'s established Maximum Allowable Operating Pressure (MAOP).

*2. Number of farms and other sources of biogas.*

Answer: To date, Cardinal has not entered into a supply contract with any farm or other source of biogas.

*3. Disposition of RNG placed on Piedmont's distribution system.*

Answer: Cardinal intends to sell all of the RNG placed on Piedmont's distribution system to one third-party entity who intends to sell the RNG in accordance with Piedmont's requirements.

*4. Status of RIA with Piedmont.*

Answer: The RIA between Cardinal and Piedmont was executed on 11/10/2022 and approved by the Commission on 1/20/23.

*5. Construction Status.*

Answer: The project is in the design phase which, when completed, will be followed by a preliminary engineering phase.

*6. Estimated date for commercial operation.*


Answer: Subject to modifications or alterations necessitated by the on-going development and engineering phases, Cardinal anticipates a commercial operations date in or around [REDACTED].

**VERIFICATION**

STATE OF MISSOURI )  
 )  
 )  
 )  
 COUNTY OF *St. Louis* )

JOSEPH BIRSCHBACH, being first duly sworn, deposes and says:

That he is a Project Development Manager at Roeslein Alternative Energy, and responsible in part, for the development of the Cardinal Bio Energy, LLC ("Cardinal") project to be located in Maxton and Laurinburg, North Carolina and has authority to verify on behalf of Cardinal Bio Energy the preceding biannual report required by the North Carolina Utilities Commission on the status of renewable natural gas projects being developed in North Carolina; that he has read the preceding report and knows the contents thereof; and that the same contents are true and correct to the best of his information and belief.

  
 \_\_\_\_\_  
 Joseph Birschbach  
 St. Louis, Missouri

Sworn and subscribed before me this the 17 day of July 2023.

  
 \_\_\_\_\_  
 Notary Public

My commission expires 2.12.2026.

