


☒ Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. *See* Instruction 1(b).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person  Rice Acquisition Sponsor LLC			2. Issuer Name and Ticker or Trading Symbol Archaea Energy Inc. [LFG]				5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <div> <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner </div> <div> <input type="checkbox"/> Officer (give title below) <input checked="" type="checkbox"/> Former Director </div>			
(Last) (First) (Middle) 102 EAST MAIN STREET, SECOND STORY			3. Date of Earliest Transaction (Month/Day/Year) 05/11/2022							
(Street) HOUSTON, TX 77027			4. If Amendment, Date Original Filed(Month/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person			
(City) (State) (Zip)			Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned							
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Class A Common Stock	05/11/2022		J(1)		2,500	D	\$ 0 (1)	0	D	
Class B Common Stock	05/11/2022		J(1)		5,532,287	D	\$ 0 (1)	0	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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
**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned  
(e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Class A Units of LFG Acquisition Holdings LLC	(2)	05/11/2022		J(1)			5,532,287	(2)	(2)	Class A Common Stock	5,532,287	\$ 0 (1)	0	D	
Warrants	\$ 11.5	05/11/2022		J(1)			6,093,900	10/26/2021	09/15/2026	Class A Common Stock	6,093,900	\$ 0 (1)	0	D	

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Rice Acquisition Sponsor LLC 102 EAST MAIN STREET, SECOND STORY HOUSTON, TX 77027				Former Director

## Signatures

/s/ James Wilmot Rogers as Attorney-in-Fact	05/13/2022
 Signature of Reporting Person	Date

### Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) Represents the pro rata distribution of the securities of the issuer held by the reporting person to all of its members. Prior to such distribution, and as of the date hereof, no such securities have been disposed of for cash by either the reporting person or its members.

(2) The Class A Units of LFG Acquisition Holdings LLC (together with the corresponding shares of the issuer's Class B common stock) are exchangeable into shares of the issuer's Class A common stock on a one-for-one basis and have no expiration date.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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