

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL	
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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 McCarthy Brian F		2. Issuer Name and Ticker or Trading Symbol Archaea Energy Inc. [LFG]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) _____ Interim CFO & Chief Inv. Ofcr.	
(Last) (First) (Middle) 4444 WESTHEIMER ROAD, SUITE G450		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 B Common Stock	05/11/2022		J	(1)	148,253	A	\$ 0 (1)	148,253	D	
Class B Common Stock								530,855	I	By McCarthy Biogas Holdings LLC (2)

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
Class A Units of LFG Acquisition Holdings LLC	(3)	05/11/2022		J	(1)	148,253		(3)	(3)	Class A Common Stock	148,253	\$ 0 (1)	148,253	D	
Warrants	\$ 11.5	05/11/2022		J	(1)	316,299		10/26/2021	09/15/2026	Class A Common Stock	316,299	\$ 0 (1)	316,299	D	
Class A Units of LFG Acquisition Holdings LLC	(3)							(3)	(3)	Class A Common Stock	530,855		530,855	I	By McCarthy Biogas Holdings LLC (2)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
McCarthy Brian F 4444 WESTHEIMER ROAD, SUITE G450 HOUSTON, TX 77027			Interim CFO & Chief Inv. Ofcr.	

Signatures

/s/ Chad Bellah 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 receipt of the reporting person's pro rata distribution of the securities of the issuer held by Rice Acquisition Sponsor LLC ("Sponsor") 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 Sponsor or its members.

McCarthy Biogas Holdings LLC is a limited liability company controlled by Mr. McCarthy. As such, Mr. McCarthy may be deemed to have beneficial ownership of the securities held of record by

(2) McCarthy Biogas Holdings LLC. Mr. McCarthy disclaims any beneficial ownership of the reported shares other than to the extent of any pecuniary interest he may have therein, directly or indirectly.

(3) 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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