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

**Form 8-K**

Current Report Pursuant to Section 13 or 15(d) of  
the Securities Act of 1934

Date of Report (Date of earliest event reported): November 5, 2019

**Synthesis Energy Systems, Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction  
of incorporation)

**001-33522**  
(Commission  
File Number)

**20-2110031**  
(I.R.S. Employer  
Identification No.)

**One Riverway, Suite 1700**  
**Houston, Texas**  
(Address of principal executive offices)

**77056**  
(Zip Code)

**(713) 579-0600**  
(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.133-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

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### **Item 1.01 Entry into a Material Definitive Agreement.**

On November 5, 2019, Synthesis Energy Systems, Inc. (the “Company”) entered into amendments with the holders of the \$8,000,000 of 11% senior secured debentures issued in October 2017 and the holders of the \$2,000,000 of 11% senior secured debentures issued on October 10, 2019, whereby the issuance of common stock upon the conversion of those debentures, or the exercise of the warrants accompanying the 2019 debentures, is limited to no more than 19.99% of the Company’s outstanding common stock as of October 10, 2019 unless shareholder approval is received for the issuance. The Company intends to seek approval for this in connection with the shareholder approval to be obtained under the Agreement and Plan of Merger by and among the Company, SES Merger Sub, Inc. and Australian Future Energy Pty Ltd. dated October 9, 2019. The foregoing is a summary description of certain terms of the amendment. A copy of the form of the amendment is filed herewith as Exhibit 10.1 to this Current Report on Form 8-K and is incorporated herein by reference.

### **Item 9.01 Exhibits.**

- 10.1 [Form of Amendment to Transaction Documents issued under the Securities Purchase and Exchange Agreement between the Company and each of the holders of the 11% Senior Secured Debentures dated October 10, 2019.](#)

#### *Forward-Looking Statements*

This current report contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the “Securities Act”), and Section 21E of the Securities and Exchange Act of 1934, as amended (the “Exchange Act”). Statements that are not strictly historical statements constitute forward-looking statements and may often, but not always, be identified by the use of words such as “expects,” “believes,” “intends,” “anticipates,” “plans,” “estimates,” “potential,” “possible,” or “probable” or statements that certain actions, events or results “may,” “will,” “should,” or “could” be taken, occur or be achieved. The forward-looking statements include statements about future operations and the anticipated timing for closing the proposed merger. Forward-looking statements are based on current expectations and assumptions and analyses made by the Company and AFE in light of experience and perception of historical trends, current conditions and expected future developments, as well as other factors appropriate under the circumstances. However, whether actual results and developments will conform with expectations is subject to a number of risks and uncertainties, including but not limited to the possibility that the companies may be unable to obtain stockholder approval or satisfy the other conditions to closing. The Company’s annual report on Form 10-K for the year ended June 30, 2018, recent current reports on Form 8-K, and other SEC filings discuss some of the important risk factors identified that may affect its business, results of operations, and financial condition. The Company and AFE undertake no obligation to revise or update publicly any forward-looking statements, except as required by law.

#### *Additional Information about the Transaction*

In connection with the proposed transaction, the Company intends to file with the SEC a registration statement on Form S-4 that will include a proxy statement of the Company that also constitutes a prospectus of the Company relating to the Common Stock to be issued pursuant to the Merger. The proxy statement/prospectus will include important information about both the Company and AFE. The Company also plans to file other relevant documents with the SEC regarding the proposed transaction. INVESTORS AND SECURITY HOLDERS ARE URGED TO CAREFULLY READ THE REGISTRATION STATEMENT, THE PROXY STATEMENT/PROSPECTUS AND OTHER RELEVANT DOCUMENTS FILED WITH THE SEC IF AND WHEN THEY BECOME AVAILABLE BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION ABOUT THE COMPANY, AFE AND THE PROPOSED TRANSACTION. Investors and security holders may obtain these documents when available free of charge at the SEC’s website at [www.sec.gov](http://www.sec.gov). In addition, the documents filed with the SEC by the Company can be obtained free of charge from the Company’s website at [www.synthesisenergysystems.com](http://www.synthesisenergysystems.com).

#### *Participants in Solicitation*

The Company and its executive officers and directors may be deemed to be participants in the solicitation of proxies from the shareholders of the Company in respect of the proposed transaction. Information regarding the Company’s directors and executive officers is available in its annual report on Form 10-K for the year ended June 30, 2018, which was filed with the SEC on November 14, 2018, and its proxy statement for its 2018 annual meeting of shareholders, which was filed with the SEC on April 29, 2019. Other information regarding the participants in the proxy solicitation and a description of their direct and indirect interests, by security holdings or otherwise, will be contained in the proxy statement/prospectus and other relevant materials to be filed with the SEC when they become available.

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**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

**Synthesis Energy Systems, Inc.**

Dated: November 8, 2019

*/s/ Robert Rigdon*

Robert Rigdon

President and Chief Executive Officer

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**Exhibit Index**

- 10.1 [Form of Amendment to Transaction Documents issued under the Securities Purchase and Exchange Agreement between the Company and each of the holders of the 11% Senior Secured Debentures dated October 10, 2019.](#)
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Holder of 11% Senior Secured Convertible Debenture and Warrants

Re: Amendment to Transaction Documents

Dear Holder:

Reference is made to that certain Securities Purchase and Exchange Agreement, dated October 10, 2019 ("Purchase Agreement") between Synthesis Energy Systems, Inc. (the "Company") and the purchasers signatory thereto, including the purchaser signatory hereto (the "Purchaser") pursuant to which the Purchaser purchased 11% Senior Convertible Debentures due October 24, 2022 (the "Debentures"), Series A Common Stock Purchase Warrants (the "Series A Warrants") and Series B Common Stock Purchase Warrants (the "Series B Warrants" and collectively with the Series A Warrants, the "Warrants"). **Capitalized terms used and not otherwise defined herein that are defined in the Purchase Agreement shall have the meanings given such terms in the Purchase Agreement.**

The Purchase Agreement is amended as follows:

- (a) Add the following definition to Section 1: "Shareholder Approval" means such approval as may be required by the applicable rules and regulations of [the NYSE American/the Nasdaq Stock Market/The New York Stock Exchange (or any successor entity) from the shareholders of the Company with respect to the transactions contemplated by the Transaction Documents, including the issuance of all of the Underlying Shares in excess of 19.99% of the issued and outstanding Common Stock on the Closing Date.
- (b) Add the following provision as new Section 4.21: The Company shall include in the proxy statement referenced in Section 2.1(b) a resolution for the purpose of obtaining Shareholder Approval, with the recommendation of the Company's Board of Directors that such proposal be approved, and the Company shall solicit proxies from its shareholders in connection therewith in the same manner as all other management proposals in such proxy statement and all management-appointed proxyholders shall vote their proxies in favor of such proposal. The Company shall use its reasonable best efforts to obtain such Shareholder Approval at the next meeting of shareholders. If the Company does not obtain Shareholder Approval at the first such meeting, the Company shall call a meeting every four months thereafter to seek Shareholder Approval until the earlier of the date Shareholder Approval is obtained or the Debentures and Warrants are no longer outstanding.

The Debentures are hereby amended to add the following as new Section 4(e):

“Issuance Limitations. Notwithstanding anything herein to the contrary, if the Company has not obtained Shareholder Approval, then the Company may not issue, upon conversion of this Debenture, a number of shares of Common Stock which, when aggregated with any shares of Common Stock issued on or after the Original Issue Date and prior to such Conversion Date (i) in connection with the conversion of any Debentures issued pursuant to the Purchase Agreement and (ii) in connection with the exercise of any Warrants issued pursuant to the Purchase Agreement and (iii) in connection with any warrants issued to any registered broker-dealer as a fee in connection with the issuance of the Securities pursuant to the Purchase Agreement, would exceed 274,852 shares of Common Stock (subject to adjustment for forward and reverse stock splits, recapitalizations and the like) (such number of shares, the “Issuable Maximum”). Each Holder shall be entitled to a portion of the Issuable Maximum equal to the quotient obtained by dividing (x) the original principal amount of the Holder’s Debenture by (y) the aggregate original principal amount of all Debentures issued on the Original Issue Date to all Holders. In addition, each Holder may allocate its pro-rata portion of the Issuable Maximum among Debentures and Warrants held by it in its sole discretion. Such portion shall be adjusted upward ratably in the event a Holder no longer holds any Debentures or Warrants and the amount of shares issued to the Holder pursuant to the Holder’s Debentures and Warrants was less than the Holder’s pro-rata share of the Issuable Maximum. For avoidance of doubt, unless and until any required Shareholder Approval is obtained and effective, warrants issued to any registered broker-dealer as a fee in connection with the Securities issued pursuant to the Purchase Agreement as described in clause (iii) above shall provide that such warrants shall not be allocated any portion of the Issuable Maximum and shall be unexercisable unless and until such Shareholder Approval is obtained and effective.

The Warrants are amended to add the following as new Section 2(f):

Issuance Restrictions. If the Company has not obtained Shareholder Approval, then the Company may not issue upon exercise of this Warrant a number of shares of Common Stock, which, when aggregated with any shares of Common Stock issued (i) pursuant to the conversion of any Debentures issued pursuant to the Purchase Agreement, (ii) upon prior exercise of this or any other Warrant issued pursuant to the Purchase Agreement and (iii) pursuant to any warrants issued to any registered broker-dealer as a fee in connection with the issuance of Securities pursuant to the Purchase Agreement, would exceed 274,852, subject to adjustment for reverse and forward stock splits, stock dividends, stock combinations and other similar transactions of the Common Stock that occur after the date of the Purchase Agreement (such number of shares, the “Issuable Maximum”). The Holder and the holders of the other Warrants issued pursuant to the Purchase Agreement shall be entitled to a portion of the Issuable Maximum equal to the quotient obtained by dividing (x) the Holder’s original Subscription Amount by (y) the aggregate original Subscription Amount of all holders pursuant to the Purchase Agreement. In addition, the Holder may allocate its pro-rata portion of the Issuable Maximum among Warrants held by it in its sole discretion. Such portion shall be adjusted upward ratably in the event a Purchaser no longer holds any Warrants and the amount of shares issued to such Purchaser pursuant to its Warrants was less than such Purchaser’s pro-rata share of the Issuable Maximum. For avoidance of doubt, unless and until any required Shareholder Approval is obtained and effective, warrants issued to any registered broker-dealer as a fee in connection with the Securities issued pursuant to the Purchase Agreement as described in clause (iii) above shall provide that such warrants shall not be allocated any portion of the Issuable Maximum and shall be unexercisable unless and until such Shareholder Approval is obtained and effective

The Company shall file a Current Report on Form 8-K, which shall describe the transactions hereunder, prior to 9:00 am ET on the trading day following the date hereof.

Except as expressly set forth hereunder, the terms and provisions of the Purchase Agreement and other Transaction Documents shall remain in full force and effect after the execution of this agreement and shall not be in any way changed, modified or superseded by the terms set forth herein.

This agreement may be executed in two or more counterparts and by facsimile or “.pdf” signature or otherwise, and each of such counterparts shall be deemed an original and all of such counterparts together shall constitute one and the same agreement.

*(Signature Pages Follow)*

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be duly executed by their respective authorized signatories as of the date first indicated above.

**Synthesis Energy Systems, Inc.**

By: \_\_\_\_\_

Name:

Title:

Name of Holder: \_\_\_\_\_

*Signature of Authorized Signatory of Holder:* \_\_\_\_\_

Name of Authorized Signatory: \_\_\_\_\_



