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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 Exchange Act of 1934

Date of Report (Date of earliest event reported): December 28, 2018

**HORIZON TECHNOLOGY FINANCE  
CORPORATION**

(Exact name of registrant as specified in its charter)

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

**814-00802**  
(Commission File Number)

**27-2114934**  
(I.R.S. Employer Identification No.)

**312 Farmington Avenue**  
**Farmington, CT 06032**

(Address of principal executive offices and zip code)

Registrant's telephone number, including area code: **(860) 676-8654**

Check the appropriate box below if the Form 8-K is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- 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 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-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 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2).

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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**Section 1**            **Registrant's Business and Operations**  
**Item 1.01**          **Entry into a Material Definitive Agreement.**

On December 28, 2018, Horizon Technology Finance Corporation (the "Company") amended its revolving credit facility (the "Credit Facility") with KeyBank National Association.

The amendment to the Credit Facility increases the aggregate commitments under the Credit Facility to the Company's wholly owned subsidiary, Horizon Credit II LLC, by \$25 million to \$125 million. The Credit Facility contains an "accordion" feature which would allow additional commitments under the Credit Facility up to an aggregate commitment of \$150 million. There can be no assurance of any additional commitments under the Credit Facility.

The descriptions of the documentation related to the Credit Facility contained in this current report on Form 8-K do not purport to be complete and are qualified in their entirety by reference to the underlying agreements.

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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 hereunto duly authorized.

Date: December 28, 2018

HORIZON TECHNOLOGY FINANCE CORPORATION

By: /s/ Robert D. Pomeroy, Jr.  
Robert D. Pomeroy, Jr.  
*Chief Executive Officer and Chairman of the Board*

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