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): April 10, 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 \square	
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. \square	

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

On April 6, 2018, Horizon Technology Finance Corporation (the "Company") renewed and 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 \$5 million to \$100 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 that additional lenders will make any commitments under the Credit Facility. The amendment to the Credit Facility extends the draw period to April 6, 2021 and the maturity date to April 6, 2023.

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.

On April 10, 2018, the Company issued a press release announcing its amendment of the Credit Facility, a copy of which is attached hereto as Exhibit 99.1.

Section 9 Financial Statements and Exhibits Item 9.01 Financial Statements and Exhibits

(d) Exhibit.

99.1 Press release of the Company dated April 10, 2018.

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: April 10, 2018 HORIZON TECHNOLOGY FINANCE CORPORATION

By: /s/ Robert D. Pomeroy, Jr.

Robert D. Pomeroy, Jr.

Chief Executive Officer and Chairman of the Board



Horizon Technology Finance Announces Renewal of Credit Facility

FARMINGTON, Conn., April 10, 2018 – Horizon Technology Finance Corporation (NASDAQ: HRZN) ("Horizon") ("Company"), a leading specialty finance company that provides capital in the form of secured loans to venture capital backed companies in the technology, life science, healthcare information and services, and cleantech industries, announced today that its wholly owned subsidiary, Horizon Credit II LLC, has amended its syndicated revolving credit facility ("Credit Facility") led by KeyBank National Association ("Key").

The Credit Facility, as amended, provides for an increase in aggregate commitments to \$100 million and extends the revolving period to April 6, 2021 and maturity date to April 6, 2023. The Credit Facility has an accordion feature which allows for an increase in the total loan commitment to \$150 million. There can be no assurance that any additional lenders will make any commitments under the Credit Facility.

"We appreciate Key's ongoing support and confidence in Horizon and are pleased to increase the commitment of our credit facility," said Daniel R. Trolio, Senior Vice President and Chief Financial Officer. "Along with an extended draw period and maturity, the amended facility strengthens Horizon's ability to capitalize on compelling opportunities, as we seek to maintain our high portfolio yield and grow net investment income in a disciplined manner. We look forward to continuing our beneficial relationship with Key and our syndicate partners."

About Horizon Technology Finance

Horizon Technology Finance Corporation is a leading specialty finance company that provides capital in the form of secured loans to venture capital backed companies in the technology, life science, healthcare information and services, and cleantech industries. The investment objective of Horizon is to maximize its investment portfolio's return by generating current income from the debt investments it makes and capital appreciation from the warrants it receives when making such debt investments. Headquartered in Farmington, Connecticut, Horizon has regional offices in Pleasanton, California, Reston, Virginia and Boston, Massachusetts. Horizon's common stock trades on the NASDAQ Global Select Market under the ticker symbol "HRZN". To learn more, please visit www.horizontechfinance.com.

Forward-Looking Statements

Statements included herein may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Statements other than statements of historical facts included in this press release may constitute forward-looking statements and are not guarantees of future performance, condition or results and involve a number of risks and uncertainties. Actual results may differ materially from those in the forward-looking statements as a result of a number of factors, including those described from time to time in our filings with the Securities and Exchange Commission. Horizon undertakes no duty to update any forward-looking statement made herein. All forward-looking statements speak only as of the date of this press release.

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