

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 27, 2016

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

On April 27, 2016, Horizon Technology Finance Corporation (the "Company") through its wholly owned subsidiary, Horizon Credit II LLC ("Credit II"), increased the size of its revolving credit facility (the "Credit Facility") with KeyBank National Association from \$70 million to \$95 million by adding a \$25 million commitment from MUFG Union Bank, N.A.

As previously disclosed, the Credit Facility is collateralized by loans and warrants held by Credit II and permits an advance rate of up to 50% of eligible loans held by Credit II. The Credit Facility continues to have an accordion feature which allows for an increase in the total loan commitment to \$150 million, including through the addition of new lenders. There can be no assurance that additional lenders will make any commitments under the Credit Facility.

The description of the documentation related to the Credit Facility contained in this Current Report on Form 8-K does not purport to be complete and is qualified in its entirety by reference to the underlying agreements.

On April 27, 2016, the Company issued a press release announcing its renewal and expansion 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) Exhibits.

99.1 Press release of the Company dated April 27, 2016.

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 27, 2016

HORIZON TECHNOLOGY FINANCE CORPORATION

By: /s/ Robert D. Pomeroy, Jr.
Robert D. Pomeroy, Jr.
Chief Executive Officer



**Horizon Technology Finance Adds
\$25 Million to Revolving Credit Facility**

Total Commitment Now \$95 Million

FARMINGTON, Conn., April 27, 2016 – Horizon Technology Finance Corporation (NASDAQ: HRZN) (the “Company” or “Horizon”), 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, today announced that its wholly owned subsidiary, Horizon Credit II LLC, has increased the size of its syndicated revolving credit facility (“Credit Facility”) led by KeyBank National Association (“Key”).

Horizon increased the size of the Credit Facility to \$95 million by adding a new lender, with MUFG Union Bank, N.A. (“Union Bank”) committing \$25 million. 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 are pleased to add Union Bank to our Credit Facility which further enhances our borrowing capacity and allows us to leverage existing investments and expand our investment portfolio by originating high-quality loans,” said Christopher M. Mathieu, Senior Vice President and Chief Financial Officer. “Horizon appreciates its excellent relationship with Key, its lead lender, whose syndication efforts brought another respected bank to join our Credit Facility. We look forward to working with Union Bank as Horizon remains focused on executing its core investment strategy.”

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 generate 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 Walnut Creek, California and Reston, Virginia. 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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