

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))

Section 8 Other Events

Item 8.01 Other Events

On March 8, 2016, Horizon Technology Finance Corporation (the “Company”) announced that its Board of Directors has declared monthly dividends totaling \$0.345 per share, payable in such amounts and on such dates to stockholders of record, as set forth below.

Ex-Dividend Date	Record Date	Payment Date	Amount Per Share
March 16, 2016	March 18, 2016	April 15, 2016	\$0.115
April 18, 2016	April 20, 2016	May 16, 2016	\$0.115
May 17, 2016	May 19, 2016	June 15, 2016	\$0.115
		Total:	\$0.345

A copy of the press release announcing such dividend is attached hereto as Exhibit 99.1 and is incorporated by reference herein.

Section 9 Financial Statements and Exhibits

Item 9.01 Financial Statements and Exhibits

(d) Exhibits.

99.1 Press release of the Company dated March 8, 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: March 8, 2016 HORIZON TECHNOLOGY
FINANCE CORPORATION

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

Exhibit Index

Exhibit No. Description

99.1 Press release of the Company dated March 8, 2016

4