

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 November 5, 2013, 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.

Declared	Ex-Dividend Date	Record Date	Payment Date	Amount Per Share
November 1, 2013	December 12, 2013	December 16, 2013	January 15, 2014	\$0.115
November 1, 2013	January 16, 2014	January 20, 2014	February 17, 2014	\$0.115
November 1, 2013	February 13, 2014	February 17, 2014	March 17, 2014	\$0.115
Total Declared and to be Paid:				\$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 November 5, 2013.

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: November 5, 2013
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 November 5, 2013