

Horizon Technology Finance Corp  
Form 8-K  
December 16, 2010

**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 15, 2010**  
**HORIZON TECHNOLOGY FINANCE CORPORATION**  
(Exact name of registrant as specified in its charter)

<b>Delaware</b> (State or other jurisdiction of incorporation)	<b>814-00802</b> (Commission File Number)	<b>27-2114934</b> (I.R.S. Employer Identification No.)
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**76 Batterson Park Road**  
**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 8 Other Events**

**Item 8.01 Other Events**

On December 15, 2010, Horizon Technology Finance Corporation (the Company ) announced that its Board of Directors has declared a fourth quarter dividend of \$0.22 per share, payable on December 31, 2010 to stockholders of record on December 28, 2010. 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 December 15, 2010.

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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 16, 2010

HORIZON TECHNOLOGY FINANCE  
CORPORATION

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