

**SCHEDULE 14A**  
**(RULE 14a-101)**  
**Information Required in Proxy Statement**  
**Schedule 14A Information**  
**Proxy Statement Pursuant to Section 14(a) of the Securities**  
**Exchange Act of 1934**

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

- |  |   |
|--|---|
| <input type="checkbox"/> Preliminary Proxy Statement                 | <input type="checkbox"/> <b>Confidential, for Use of the Commission Only</b><br><b>(as permitted by Rule 14a-6(e)(2))</b> |
| <input type="checkbox"/> Definitive Proxy Statement                  |   |
| <input checked="" type="checkbox"/> Definitive Additional Material   |   |
| <input type="checkbox"/> Soliciting Material Pursuant to Rule 14a-12 |   |

**Horizon Technology Finance Corporation**  
**(Name of Registrant as Specified in Its Charter)**

**(Name of Person(s) Filing Proxy Statement if other than the Registrant)**

Payment of Filing Fee (Check the appropriate box):

- No fee required.**
- Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.
- (1) Title of each class of securities to which transaction applies:  
\_\_\_\_\_
- (2) Aggregate number of securities to which transaction applies:  
\_\_\_\_\_
- (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (Set forth the amount on which the filing fee is calculated and state how it was determined):  
\_\_\_\_\_
- (4) Proposed maximum aggregate value of transaction:  
\_\_\_\_\_
- (5) Total fee paid:  
\_\_\_\_\_
- Fee paid previously with preliminary materials
- Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the form or schedule and the date of its filing.
- (1) Amount previously paid:  
\_\_\_\_\_
- (2) Form, schedule or registration statement no.:  
\_\_\_\_\_
- (3) Filing party:  
\_\_\_\_\_
- (4) Date filed:  
\_\_\_\_\_
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**Institutional Shareholder Services Inc. and Glass Lewis & Co. Recommend “For” Vote on NAV Proposal for Horizon Technology Finance’s Special Meeting of Stockholders**

**FARMINGTON, Conn., May 29, 2012** – Horizon Technology Finance Corporation (Nasdaq: HRZN) (the "Company" or "Horizon") is pleased to report that the two leading independent proxy advisory firms — Institutional Shareholder Services Inc. (“ISS”) and Glass Lewis & Co. (“Glass Lewis”) — each recently issued a report recommending that the Company’s stockholders vote “FOR” a proposal included in the proxy statement for the Company’s 2012 Special Meeting of Stockholders (the “Special Meeting”). Approval of the proposal would allow the Company to issue and sell shares of its common stock below its then-current net asset value per share (“NAV”), subject to certain limitations described in the Company’s definitive proxy statement.

In support of the Company’s NAV proposal, ISS cited Horizon’s superior performance relative to its peer group, the one-year authority sought by the proposal and the limitations placed on both the number of shares available for issuance and related pricing. Glass Lewis noted that it believes providing Horizon with the flexibility to meet its capital requirements will be beneficial to shareholders.

The Special Meeting is scheduled for Monday, June 11, 2012, at 10:00 a.m. local time at the offices of Horizon Technology Finance Corporation, 312 Farmington Avenue Farmington, Connecticut. The Company reminds stockholders that their vote is important and urges all stockholders to take a moment to vote their shares using one of the following methods:

1. **Internet:** Go to the website listed on the proxy card or voting instruction form. Have your control number listed on the form ready and follow the instructions.
2. **Mail:** Mark, sign, and date the enclosed proxy card or voting instruction form and return it in the postage-paid return envelope provided.
3. **Telephone:** For stockholders that received a voting instruction form with telephonic instructions, call the toll-free number listed for this purpose on the voting instruction form. Have your control number listed on the form ready and follow the instructions.

Stockholders with questions related to the Special Meeting or the voting of their shares, or who need to request additional proxy materials, are strongly encouraged to contact the Company’s proxy solicitor, Georgeson Inc., at (888) 607-9252 or the Company directly at (860) 676-8654.

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**Important Information**

On May 4, 2012, the Company filed a definitive proxy statement with the Securities and Exchange Commission (“SEC”) in connection with the Special Meeting. The Company’s stockholders are strongly advised to read the definitive proxy statement carefully before making any voting decision because the definitive proxy statement contains important information. The Company’s proxy statement and any other materials filed by the Company with the SEC can be obtained free of charge at the SEC’s website at [www.sec.gov](http://www.sec.gov) or from the Company’s website at [www.horizontechnologyfinancecorp.com](http://www.horizontechnologyfinancecorp.com).

**About Horizon Technology Finance**

Horizon Technology Finance Corporation is a business development company that provides secured loans to development-stage companies backed by established venture capital and private equity firms within the technology, life science, healthcare information and services, and clean-tech industries. The investment objective of Horizon Technology Finance is to maximize total risk-adjusted returns by generating current income from a portfolio of directly originated secured loans as well as capital appreciation from warrants to purchase the equity of portfolio companies. Headquartered in Farmington, Connecticut, with a regional office in Walnut Creek, California, the Company is externally managed by Horizon Technology Finance Management LLC, an investment advisor registered with the Securities and Exchange Commission. Horizon’s common stock trades on the NASDAQ Global Select Market under the ticker symbol “HRZN.” In addition, the Company’s 7.375% Senior Notes due 2019 trade on the New York Stock Exchange under the ticker symbol “HTF.”

**Forward-Looking Statements**

*Statements included herein may constitute "forward-looking statements," which relate to future events or our future performance or financial condition. These statements 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. The Company 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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