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): March 11, 2014

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 2 Financial Information

Item 2.02 Results of Operations and Financial Condition

On March 11, 2014, Horizon Technology Finance Corporation (the "Company") issued a press release announcing its financial results for the three months and year ended December 31, 2013. A copy of this press release is attached hereto as Exhibit 99.1.

The information in Item 2.02 of this Current Report on Form 8-K, including Exhibit 99.1 furnished herewith, is being furnished and shall not be deemed "filed" for any purpose of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to liabilities of such Section. The information in this Current Report on Form 8-K shall not be deemed to be incorporated by reference into any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such filing.

Section 9 Financial Statements and Exhibits Item 9.01 Financial Statements and Exhibits

(d) Exhibits.

99.1 Press release of the Company dated March 11, 2014.

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 11, 2014 HORIZON TECHNOLOGY FINANCE CORPORATION

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



Horizon Technology Finance Announces Fourth Quarter And Full Year 2013 Financial Results

Continues to Capitalize on Earnings Power of Venture Loan Portfolio

FARMINGTON, Conn., March 11, 2014 – Horizon Technology Finance Corporation (NASDAQ: HRZN) (the "Company" or "Horizon"), a leading specialty finance company that provides secured loans to venture capital and private equity-backed development-stage companies in the technology, life science, healthcare information and services, and cleantech industries, today announced its financial results for the fourth quarter and year ended December 31, 2013.

Fourth Quarter and Full Year 2013 Highlights

- Earned net investment income of \$3.4 million, or \$0.35 per share, for the fourth quarter and \$13.3 million, or \$1.38 per share, for the year ended 2013
- Achieved a portfolio weighted average yield of 15.5% for the fourth quarter and 14.4% for the year ended 2013
- Experienced liquidity events from four portfolio companies in the fourth quarter and 11 portfolio companies for the full year 2013
- Held warrants and equity in 11 public companies with an aggregate fair value of \$2.0 million at year-end 2013
- Ended the year with an investment portfolio of \$221.3 million
- Closed new loan commitments totaling \$21.0 million and \$88.0 million for the fourth quarter and year ended 2013, respectively
- Funded \$19.2 million and \$88.4 million in venture loans for the fourth quarter and full year 2013, respectively
- 47% and 14% of new debt investments funded priced at floating interest rates for the fourth quarter and full year 2013, respectively
- Unfunded loan approvals and commitments totaled \$19.0 million at year-end 2013 with 89% priced at floating interest rates
- Net asset value equaled \$135.8 million, or \$14.14 per share, as of December 31, 2013
- Total liquidity as of December 31, 2013 was \$39.5 million
- Asset coverage for borrowed amounts was 211% as of December 31, 2013
- Declared dividends of \$0.115 per share for each of April, May and June 2014, increasing cumulative declared dividends to \$5.27 per share since going public in October 2010

"During 2013, Horizon delivered positive results for shareholders by actively managing its existing portfolio of earning assets and capitalizing on profitable liquidity events," said Robert D. Pomeroy, Jr., Chairman and Chief Executive Officer. "We are pleased to have achieved a strong overall yield on our loan investments, enabling Horizon to earn net investment income for the year that was consistent with our aggregate dividend payments in 2013. Since implementing our current dividend policy, net investment income has exceeded our dividends."

Mr. Pomeroy added, "We expect our dynamic venture portfolio to continue to produce high current pay interest income, attractive fees, and gains from our warrant and equity positions. The resurgent IPO and M&A market that began in 2013 is expected to continue in 2014 providing potential portfolio liquidity events and exits from our warrant and equity portfolio. Our team remains dedicated to generating attractive risk-adjusted returns as we continue to take advantage of select high yielding loan investments and seek opportunities to monetize our warrant positions in 73 companies."

Operating Results

Total investment income increased 10.5% to \$8.8 million for the three months ended December 31, 2013, as compared to \$7.9 million for the three months ended December 31, 2012. Interest income on investments rose year-over-year primarily due to the increased average size of the loan portfolio. Additionally, fee income increased year-over-year primarily due to a one-time success fee of \$0.4 million received upon the completion of an acquisition of one portfolio company. For the year ended December 31, 2013, total investment income increased 26.2% to \$33.6 million, as compared to \$26.7 million for the year ended December 31, 2012.

The Company's dollar-weighted average annualized portfolio yield on average loans for the three months ended December 31, 2013 and 2012 was 15.5% and 14.7%, respectively. The Company's dollar-weighted average annualized portfolio yield on average loans for the years ended December 31, 2013 and 2012 was 14.4% and 14.2%, respectively.

Total expenses for the three months ended December 31, 2013 were \$5.3 million, as compared to \$4.3 million for the three months ended December 31, 2012. Interest expense increased year-over-year primarily due to the increase in average debt outstanding. Total expenses for the year ended December 31, 2013 were \$20.1 million, as compared to \$14.4 million for the year ended December 31, 2012.

For the three months ended December 31, 2013 and 2012, net investment income was \$3.4 million, or \$0.35 per share, and \$3.4 million, or \$0.36 per share, respectively. For the years ended December 31, 2013 and 2012, net investment income was \$13.3 million, or \$1.38 per share, and \$12.0 million, or \$1.41 per share, respectively.

For the three months ended December 31, 2013, the Company reported a net realized loss on investments of \$1.7 million, or \$0.17 per share, which was primarily due to the settlement of Horizon's outstanding loan to ACT Biotech, Inc. ("ACT"). As previously announced, Horizon received a cash payment of approximately \$2.1 million, which Horizon applied to its venture loan balance. Horizon also received the right to receive up to \$17 million in contingent contractual success payments. Although Horizon realized a loss on its loan to ACT totaling \$1.8 million for the three months ended December 31, 2013, the Company had previously incurred unrealized depreciation of \$1.2 million of this \$1.8 million in prior periods. For the three months ended December 31, 2012, Horizon realized net gains on investments of \$0.2 million, or \$0.02 per share, resulting from the sale of stock acquired through the exercise of warrants in one portfolio company. For the year ended December 31, 2013, the Company reported a net realized loss on investments of \$7.5 million, or \$0.78 per share, as compared to a net realized gain on investments of \$0.1 million, or \$0.01 per share, for the year ended December 31, 2012.

For the three months ended December 31, 2013, the net unrealized depreciation on investments was \$6.3 million, or \$0.65 per share, which was primarily due to \$5.3 million of unrealized depreciation on five debt investments on non-accrual status, partially offset by the reversal of previously recorded unrealized depreciation of \$1.2 million on one of the Company's debt investments. This compares to net unrealized depreciation on investments of \$8.0 million, or \$0.84 per share, for the three months ended December 31, 2012, which was primarily due to unrealized depreciation on three debt investments that were on non-accrual status. For the years ended December 31, 2013 and 2012, net unrealized depreciation on investments was \$2.3 million, or \$0.23 per share, and \$8.1 million, or \$0.95 per share, respectively.

Portfolio Summary and Investment Activity

As of December 31, 2013, the Company's debt portfolio consisted of 49 secured loans with an aggregate fair value of \$213.8 million. In addition, the Company's warrant portfolio consisting of 73 investments had an aggregate fair value of \$6.0 million as of December 31, 2013. Total portfolio investment activity as of and for the three and twelve months ended December 31, 2013 and 2012 was as follows:

| (\$ in thousands) | For the Three Months Ended December 31, | | | | | For the Years Ended December 31, | | | |
|--|---|----------|------|----------|------|----------------------------------|------|----------|--|
| | 2013 | | 2012 | | 2013 | | 2012 | | |
| Beginning portfolio | \$ | 241,319 | \$ | 220,909 | \$ | 228,613 | \$ | 178,013 | |
| New loan funding | | 19,219 | | 66,743 | | 88,362 | | 184,202 | |
| Less refinanced balances | | _ | | (14,556) | | _ | | (45,295) | |
| Net new loan funding | | 19,219 | | 52,187 | | 88,362 | | 138,907 | |
| Principal payments received on investments | | (11,973) | | (10,570) | | (41,166) | | (39,092) | |
| Early pay-offs | | (19,570) | | (26,627) | | (46,331) | | (42,291) | |
| Accretion of loan fees | | 640 | | 833 | | 2,635 | | 2,531 | |
| New loan fees | | (240) | | (556) | | (1,076) | | (1,676) | |
| New equity | | _ | | _ | | 73 | | _ | |
| Proceeds from sale of investments | | (161) | | (268) | | (200) | | (306) | |
| Net realized gain (loss) on investments | | (1,670) | | 169 | | (7,299) | | 108 | |
| Net depreciation on investments | | (6,250) | | (7,996) | | (2,254) | | (8,113) | |
| Other | | <u> </u> | | 532 | | (73) | | 532 | |
| Ending portfolio | \$ | 221,284 | \$ | 228,613 | \$ | 221,284 | \$ | 228,613 | |

Net Asset Value

At December 31, 2013, the Company's net assets were \$135.8 million, or \$14.14 per share, as compared to \$145.0 million, or \$15.15 per share, as of December 31, 2012, and \$143.4 million, or \$14.95 per share, as of September 30, 2013.

For the three months ended December 31, 2013, the net decrease in net assets resulting from operations was \$4.5 million, or \$0.47 per share. This compares to a net decrease in net assets resulting from operations of \$4.4 million, or \$0.46 per share, for the three months ended December 31, 2012. For the years ended December 31, 2013 and 2012, the net increase in net assets resulting from operations was \$3.5 million, or \$0.37 per share, and \$4.0 million, or \$0.47 per share, respectively.

Portfolio Asset Quality

The following table shows the classification of Horizon's loan portfolio at fair value by internal credit rating as of December 31, 2013 and 2012:

| | Decembe | r 31, 2013 | Decembe | r 31, 2012 | | |
|---------------|-------------------------------|------------------------------------|---------------------------|------------------------------------|--|--|
| | Loans at Fair Value | Percentage of Loan Portfolio | Loans at Fair Value | Percentage of Loan Portfolio | | |
| Credit Rating | | | | | | |
| 4 | \$ 30,385 | 14.2% | \$ 30,818 | 14.0% | | |
| 3 | 167,231 | 78.3% | 181,019 | 82.2% | | |
| 2 | 2,199 | 1.0% | 3,560 | 1.6% | | |
| 1 | 13,939 | 6.5% | 4,900 | 2.2% | | |
| Total | \$ 213,754 | 100.0% | \$ 220,297 | 100.0% | | |

As of December 31, 2013 and 2012, the Company's loan portfolio had a weighted average credit rating of 3.0 and 3.2, respectively, with 4 being the highest credit quality rating and 3 being the rating for a standard level of risk. A rating of 2 represents an increased level of risk and while no loss is currently anticipated for a 2-rated loan, there is potential for future loss of principal. A rating of 1 represents a deteriorating credit quality and increased risk.

Liquidity Events

As previously announced, Horizon experienced liquidity events from four portfolio companies during the quarter ended December 31, 2013, increasing the total number of liquidity events to 11 for the full year 2013. Liquidity events for Horizon may consist of the exercise of warrants in portfolio companies, loan prepayments or receipt of success fees.

Liquidity and Capital Resources

As of December 31, 2013, the Company had \$39.5 million in available liquidity, including cash and investments in money market funds totaling \$26.5 million, and \$13 million in funds available under existing credit facility commitments.

As of December 31, 2013, there were no borrowings outstanding under the Company's revolving credit facility and there was \$10 million outstanding under the Company's term loan credit facility. As of December 31, 2013, 92% of the Company's total borrowings outstanding were at a fixed interest rate and 65% of the Company's total borrowings outstanding were fixed at an interest rate of 3.0%.

As of December 31, 2013, the asset coverage for borrowed amounts was 211%.

In November 2013, Horizon renewed and amended its revolving credit facility previously administered by Wells Fargo Capital Finance and facilitated the assignment of all rights and obligations under the facility to Key Equipment Finance, Inc. ("Key"). This facility provides a \$50 million commitment from Key and contains an "accordion" feature allowing additional lenders to make commitments up to an aggregate commitment of \$150 million. The credit facility has a three-year revolving period followed by a two-year amortization period, maturing on November 4, 2018. Amounts borrowed bear interest at LIBOR plus a margin of 3.25%, with a LIBOR floor of 0.75% and a maximum advance rate of 50% against eligible loans. Horizon intends to use the facility to leverage new and existing loans secured by a first lien as well as a second lien.

In June 2013, Horizon completed a \$189.3 million securitization of its secured loans. The Company's wholly owned subsidiary issued \$90.0 million of notes (the "Notes") rated A2 (sf) by Moody's Investors Service, Inc. which were backed by \$189.3 million of secured loans originated by Horizon. The Notes bear interest at a fixed interest rate of 3.00% per annum and have a stated maturity date of May 15, 2018.

Monthly Dividends Declared in First Quarter 2014

On March 6, 2014, the Company's board of directors declared monthly dividends of \$0.115 per share payable in April, May and June 2014. These monthly dividends, as set forth in the following table, total \$0.345 per share:

| | | | Amount | |
|----------------|----------------|----------|-----------|-------|
| Record Date | Payment Date | | Per Share | |
| March 19, 2014 | April 15, 2014 | 5 | \$ | 0.115 |
| April 17, 2014 | May 15, 2014 | 5 | \$ | 0.115 |
| May 20, 2014 | June 16, 2014 | 9 | \$ | 0.115 |
| | | Total: 5 | \$ | 0.345 |

When declaring dividends, the Company's board of directors reviews estimates of taxable income available for distribution, which may differ from consolidated net income under generally accepted accounting principles due to (i) changes in unrealized appreciation and depreciation, (ii) temporary and permanent differences in income and expense recognition and (iii) the amount of spillover income carried over from a given year for distribution in the following year. The final determination of taxable income for each tax year, as well as the tax attributes for dividends in such tax year, will be made after the close of the tax year.

Conference Call

The Company will host a conference call on Wednesday, March 12, 2014 at 9:00 a.m. ET to discuss its latest corporate developments and financial results. The dial-in number for callers in the U.S. is (877) 677-9112, and the dial-in number for international callers is (708) 290-1396. The access code for all callers is 42216766.

A live webcast will be available on the Company's website at www.horizontechnologyfinancecorp.com.

A replay of the call will be available through March 14, 2014. To access the replay, please dial (855) 859-2056 in the United States and (404) 537-3406 outside the United States, and then enter the access code 42216766. An online archive of the webcast will be available on the Company's website for 30 days following the call.

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 cleantech industries. The investment objective of Horizon is to maximize total returns by generating current income from a portfolio of directly originated secured loans as well as capital appreciation from warrants that it receives when making such loans. Headquartered in Farmington, Connecticut, with regional offices in Walnut Creek, California and Reston, Virginia, Horizon is externally managed by its investment advisor, Horizon Technology Finance Management LLC. Horizon's common stock trades on the NASDAQ Global Select Market under the ticker symbol "HRZN". In addition, Horizon's 7.375% Senior Notes due 2019 trade on the New York Stock Exchange under the ticker symbol "HTF". To learn more, please visit www.horizontechnologyfinancecorp.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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Horizon Technology Finance Corporation and Subsidiaries

Consolidated Statements of Assets and Liabilities (In thousands, except share data)

| | | December 31, | | | |
|--|------|--------------|------|----------|--|
| | 2013 | | 2012 | | |
| Assets | | | | | |
| Non-affiliate investments at fair value (cost of \$234,310 and | | | | | |
| \$239,385, respectively) | \$ | 221,284 | \$ | 228,613 | |
| Investment in money market funds | | 1,188 | | 2,560 | |
| Cash | | 25,341 | | 1,048 | |
| Restricted investments in money market funds | | 5,951 | | _ | |
| Interest receivable | | 4,240 | | 2,811 | |
| Other assets | | 5,733 | | 4,626 | |
| Total assets | \$ | 263,737 | \$ | 239,658 | |
| Liabilities | | | | | |
| Borrowings | \$ | 122,343 | \$ | 89.020 | |
| Dividends payable | | 3,315 | | 3,301 | |
| Base management fee payable | | 439 | | 402 | |
| Incentive fee payable | | 852 | | 855 | |
| Other accrued expenses | | 953 | | 1,108 | |
| Total liabilities | | 127,902 | | 94,686 | |
| Net assets | | | | | |
| Preferred stock, par value \$0.001 per share, 1,000,000 shares authorized, zero shares issued and outstanding as of December 31, 2013 and 2012 | | _ | | _ | |
| Common stock, par value \$0.001 per share, 100,000,000 shares authorized, | | | | | |
| 9,608,949 and 9,567,225 shares outstanding as of December 31, 2013 and 2012 | | 10 | | 10 | |
| Paid-in capital in excess of par | | 154,975 | | 154,384 | |
| Accumulated undistributed net investment income | | 1,463 | | 1,428 | |
| Net unrealized depreciation on investments | | (13,026) | | (10,772) | |
| Net realized loss on investments | | (7,587) | | (78) | |
| Total net assets | · | 135,835 | | 144,972 | |
| Total liabilities and net assets | \$ | 263,737 | \$ | 239,658 | |
| Net asset value per common share | \$ | 14.14 | S | 15.15 | |

Horizon Technology Finance Corporation and Subsidiaries

Consolidated Statements of Operations

(In thousands, except share data)

| | For the Three Months Ended December 31, | | | | For the Years Ended December 31, | | | |
|---|---|----|-----------|----|----------------------------------|----|-----------|--|
| | 2013 2012 | | 2013 | | 2012 | | | |
| Investment income | | | | | | | | |
| Interest income on non-affiliate investments | \$ 7,925 | \$ | 7,486 | \$ | 31,904 | \$ | 25,289 | |
| Fee income on non-affiliate investments | 850 | | 452 | | 1,739 | | 1,375 | |
| Total investment income | 8,775 | | 7,938 | | 33,643 | | 26,664 | |
| Expenses | | | | | | | | |
| Interest expense | 2,238 | | 1,529 | | 8,124 | | 4,283 | |
| Base management fee | 1,373 | | 1,166 | | 5,209 | | 4,208 | |
| Performance based incentive fee | 852 | | 855 | | 3,318 | | 2,847 | |
| Administrative fee | 280 | | 228 | | 1,169 | | 1,082 | |
| Professional fees | 487 | | 281 | | 1,464 | | 1,027 | |
| General and administrative | 56 | | 226 | | 848 | | 990 | |
| Total expenses | 5,286 | | 4,285 | | 20,132 | | 14,437 | |
| Net investment income before excise tax | 3,489 | | 3,653 | | 13,511 | | 12,227 | |
| Provision for excise tax | (80) | | (237) | | (240) | | (231) | |
| Net investment income | 3,409 | | 3,416 | | 13,271 | | 11,996 | |
| | | | | | | | | |
| Net realized and unrealized loss on investments | | | | | | | | |
| Net realized (loss) gain on investments | (1,670) | | 169 | | (7,509) | | 108 | |
| Provision for excise tax | _ | | _ | | _ | | | |
| Net unrealized depreciation on investments | (6,250) | | (7,996) | | (2,254) | | (8,113) | |
| Net realized and unrealized loss on investments | (7,920) | | (7,827) | | (9,763) | | (8,005) | |
| | | | | | | | | |
| Net (decrease) increase in net assets resulting from operations | \$ (4,511) | \$ | (4,411) | \$ | 3,508 | \$ | 3,991 | |
| Net investment income per common share | \$ 0.35 | \$ | 0.36 | \$ | 1.38 | \$ | 1.41 | |
| Change in net assets per common share | \$ (0.47) | \$ | (0.46) | \$ | 0.37 | \$ | 0.47 | |
| Weighted average shares outstanding | 9,599,199 | | 9,564,410 | | 9,583,257 | | 8,481,604 | |
| | | | | | | | | |