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 12, 2012

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:

)

Section 2 Financial Information

Item 2.02 Results of Operations and Financial Condition

On March 12, 2012, Horizon Technology Finance Corporation (the "Company") issued a press release announcing its financial results for the three months and year ended December 31, 2011. 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 12, 2012.

SIGNATUREPursuant 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 12, 2012 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 2011 Financial Results and Declares Quarterly Dividend of \$0.45 Per Share

Successful Deployment of Capital into High-Yielding Assets and Significant Warrant Gains Provide Strong Investment Returns in Horizon's First Full Year as a Public Company

FARMINGTON, Conn., March 12, 2012 – 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 clean-tech industries, today announced its financial results for the quarter and year ended December 31, 2011 and declared a cash dividend of \$0.45 per share.

Fourth Quarter and Full Year 2011 Highlights

- Declared a fourth quarter dividend of \$0.45 per share, increasing the cumulative dividend declared by Horizon to \$1.85 per share since the Company's IPO in October 2010
- Ended the year with an investment portfolio of \$178.0 million, an increase of 30.1% compared to the end of 2010
- Net investment income was \$3.3 million, or \$0.44 per share, for the fourth quarter and \$10.5 million, or \$1.38 per share, for the full year 2011
- Net realized gain on investments was \$0.8 million, or \$0.10 per share, for the fourth quarter and \$6.3 million, or \$0.83 per share, for the full year 2011
- Increase in net assets from operations was \$0.8 million, or \$0.10 per share, for the fourth quarter and \$11.0 million, or \$1.44 per share, for the full year 2011
- Net asset value equaled \$129.9 million, or \$17.01 per share, as of December 31, 2011
- Portfolio weighted average yield was 14.3% for the fourth quarter and 14.6% for the full year 2011
- Unfunded loan approvals and commitments totaled \$22.5 million at year end

"In 2011, our first full year as a public company, Horizon achieved significant success executing its investment strategy and strengthening the Company's leading franchise in the venture lending industry," said Robert D. Pomeroy, Jr., Chairman and Chief Executive Officer. "Specifically, we utilized our disciplined approach in deploying more than \$106 million into high-yielding assets within our core markets, realized no loan losses and recorded substantial warrant gains, enabling Horizon to post solid financial results and deliver increasing dividends throughout the year. Since our IPO in October 2010, we have declared a cumulative dividend of \$1.85 per share. We also realized an additional gain in the fourth quarter from the sale of one of our portfolio companies, increasing Horizon's aggregate realized warrant gains to \$6.9 million, or \$0.91 per share, since going public. With a mature, high-quality investment portfolio that generates a stable stream of interest income and provides the opportunity to enhance total returns, we remain well positioned to drive future performance and continue to provide attractive dividends for the benefit of shareholders."

Operating Results

Total investment income increased 24.7% for the three months ended December 31, 2011 to \$6.2 million, as compared to \$5.0 million for the three months ended December 31, 2010. The year-over-year increase in investment income is primarily due to the increased average size of the Company's loan portfolio. For the three months ended December 31, 2011, total investment income included \$6.0 million in interest income from investments, which included \$0.5 million in income from the amortization of discounts and origination fees on investments.

For the year ended December 31, 2011, total investment income increased to \$24.1 million as compared to \$18.2 million in the prior year period. For the year ended December 31, 2011, total investment income included \$22.9 million in interest income from investments, which included \$1.8 million in income from the amortization of discounts and origination fees on investments. Other investment income was primarily comprised of a one-time success fee received upon the completion of an acquisition of one of Horizon's portfolio companies and prepayment fees earned on debt investments.

The Company's dollar-weighted average annualized portfolio yield on average loans, excluding warrant gains, was 14.3% for the three months ended December 31, 2011 and 15.3% for the three months ended December 31, 2010. The Company's dollar-weighted average annualized portfolio yield on average loans for both the year ended December 31, 2011 and 2010 was 14.6%.

Total expenses were \$2.7 million for the three months ended December 31, 2011, as compared to \$2.5 million for the three months ended December 31, 2010. Total expenses consisted principally of interest expense and management and incentive fees. Performance based incentive fees for the three months ended December 31, 2011 totaled approximately \$0.3 million, compared to \$0.4 million of incentive fees for the three months ended December 31, 2010. Professional fees and general and administrative expenses increased year-over-year primarily due to the cost associated with operating as a public company for the full three month period ended December 31, 2011. Total expenses for the year ended December 31, 2011 were \$13.3 million versus \$7.8 million in the prior year period.

Net investment income for the three months ended December 31, 2011 was \$3.3 million, or \$0.44 per share, as compared to net investment income of \$2.5 million in the prior year period. For the years ended December 31, 2011 and 2010, net investment income was \$10.5 million and \$10.4 million, respectively.

For the three months ended December 31, 2011, the net realized gain on investments was \$0.8 million, or \$0.10 per share, from the sale of stock acquired through the exercise of warrants in portfolio companies. The net realized gain on investments for the three months ended December 31, 2010 was \$0.7 million. For the year ended December 31, 2011, the Company reported a net realized gain on investments of \$6.3 million, or \$0.83 per share, as compared to \$0.7 million for the year ended December 31, 2010.

For the three months ended December 31, 2011, the net unrealized depreciation on investments was \$3.2 million as compared to a net unrealized appreciation on investments of \$1.4 million in the prior year period. For the year ended December 31, 2011, the net unrealized depreciation on investments was \$5.7 million as compared to a net unrealized appreciation on investments of \$2.9 million for the year ended December 31, 2010. The net unrealized depreciation on investments was primarily due to \$4.0 million in the reversal of unrealized appreciation on the sale of warrants and \$2.7 million of unrealized depreciation on six debt investments, partially offset by unrealized appreciation on investments.

For the three months ended December 31, 2011 and 2010, the net increase in net assets resulting from operations was \$0.8 million and \$4.6 million, respectively. For the years ended December 31, 2011 and 2010, the net increase in net assets resulting from operations was \$11.0 million and \$14.7 million, respectively.

Portfolio Summary and Investment Activity

As of December 31, 2011, the Company's debt portfolio consisted of 38 secured loans with an aggregate fair value of \$173.3 million. In addition, the Company's warrant portfolio of investments had an aggregate fair value of \$4.1 million as of December 31, 2011. Portfolio activity for the fourth quarter included \$19.5 million of new loan funding, offset by \$10.6 million of early pay-offs and \$8.2 million in contractual principal prepayments. Total portfolio investment activity as of and for the years ended December 31, 2011 and 2010 was as follows:

	For the year ended December 31,			
	 2011 201			
	 (\$ in thousands)			
Beginning portfolio	\$ 136,810 \$	113,878		
New loan funding	106,350	98,267		
Less refinanced balances	 (8,677)	(13,593)		
Net new loan funding	 97,673	84,674		
Principal and stock payments received on investments	(34,793)	(33,149)		
Early pay-offs	(16,649)	(31,709)		
Accretion of loan fees	1,895	1,399		
New loan fees	(1,049)	(836)		
New equity investments	579	350		
Proceeds from sale of investments	(6,985)	(1,009)		
Net realized gain on investments	6,599	680		
Net (depreciation) appreciation on investments	(5,974)	2,814		
Other	(93)	(282)		
Ending portfolio	\$ 178,013 \$	136,810		

Portfolio Asset Quality

As of December 31, 2011 and 2010, the Company's loan portfolio had a weighted average credit rating of 3.1 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 or 1 represents a deteriorating credit quality and increased risk. The Company did not have any investments on non-accrual status as of December 31, 2011 and 2010.

Liquidity and Capital Resources

As of December 31, 2011, Horizon had cash and investments in money market funds totaling \$14.8 million.

Borrowings outstanding under the Company's \$150 million accordion credit facility, which contains an initial commitment of \$75 million from Wells Fargo Capital Finance, totaled \$17.8 million as of December 31, 2011. Borrowings outstanding under the Company's WestLB credit facility, which continues to provide leverage to the Company through March 2015, totaled \$46.7 million as of December 31, 2011.

Fourth Quarter 2011 Dividend

On March 12, 2012, Horizon's Board of Directors declared a fourth quarter dividend of \$0.45 per share, payable on March 30, 2012 to stockholders of record on March 23, 2012. The Company expects the dividend to be paid from taxable earnings with specific tax characteristics reported to stockholders after the end of the 2012 calendar year. For the tax status of dividends paid by Horizon during 2011, please visit the Company's website, www.horizontechnologyfinancecorp.com.

Conference Call

Management will host a conference call on Tuesday, March 13, 2012 at 9:00 a.m. ET to discuss the 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 43314588. A live webcast will also be available on the Company's website at www.horizontechnologyfinancecorp.com.

A replay of the call will be available through March 20, 2012. To access the replay, please dial (855) 859-2056 in the U.S. and (404) 537-3406 outside the U.S., and then enter the access code 43314588. 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 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 its investment advisor, Horizon Technology Finance Management LLC. To learn more, please visit www.horizontechnologyfinancecorp.com.

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.

Horizon Technology Finance Corporation and Subsidiaries Consolidated Statements of Assets and Liabilities

(In thousands, except share data)

		December 31,			
		2011		2010	
Assets					
Non-affiliate investments at fair value (cost of \$180,651 and \$133,494, respectively)	\$	178,013	\$	136,810	
Investment in money market funds		13,518		39,104	
Cash		1,298		37,689	
Interest receivable		2,985		1,938	
Other assets		1,997		664	
Total assets	\$	197,811	\$	216,205	
Liabilities					
Borrowings	\$	64,571	\$	87,425	
Base management fee payable		330		360	
Incentive fee payable		1,766		414	
Other accrued expenses		1,260		811	
Total liabilities		67,927		89,010	
Net assets					
Preferred Stock, par value \$0.001 per share, 1,000,000 shares authorized, zero shares issued and outstanding as of	f				
December 31, 2011 and 2010		_		_	
Common Stock, par value \$0.001 per share, 100,000,000 shares authorized, 7,636,532 and 7,593,422 shares					
outstanding as of December 31, 2011 and 2010		8		8	
Paid-in capital in excess of par		124,512		123,836	
Accumulated undistributed (distributions in excess of) net investment income		4,965		(143	
Net unrealized (depreciation) appreciation on investments		(2,659)		3,043	
Net realized gains on investments		3,058		451	
Total net assets		129,884		127,195	
Total liabilities and net assets	\$	197,811	\$	216,205	
Net asset value per common share	\$	17.01	\$	16.75	

Horizon Technology Finance Corporation and Subsidiaries Consolidated Statements of Operations

(In thousands, except share data)

	en Decem	months ided iber 31,	Three months ended December 31, 2010(1)		ended Year ended ecember 31, December 31,		Year ended December 31, 2010(1)	
Investment income								
Interest income on non-affiliate investments	\$	5,968	\$	4,514	\$	22,879	\$	17,366
Interest income on cash and cash equivalents		1		17		91		70
Fee income on non-affiliate investments		214	_	426		1,084	_	771
Total investment income		6,183	_	4,957	_	24,054	_	18,207
Expenses								
Interest expense		588		848		2,681		4,130
Base management fee		963		871		4,192		2,687
Performance based incentive fee		312		414		3,013		414
Administrative fee		326		88		1,199		88
Professional fees		225		94		1,259		204
General and administrative		248	_	136		988		300
Total expenses		2,662	_	2,451		13,332	_	7,823
Net investment income before excise tax		3,521	_	2,506		10,722		10,384
Provision of excise tax		(211)				(211)		_
Net investment income		3,310	_	2,506		10,511		10,384
Credit for loan losses		3,310		2,300	_	10,511		739
Cicuit for foan fosses								139
Net realized and unrealized gain on investments								
Net realized gain on investments		772		682		6,316		680
Provision of excise tax		(129)		_		(129)		_
Net change in unrealized (depreciation) appreciation on investments		(3,167)		1,381		(5,702)		2,930
Net realized and unrealized (loss) gain on investments		(2,524)	_	2,063		485	_	3,610
Net increase in net assets resulting from operations	\$	786	\$	4,569	\$	10,996	\$	14,733
Net investment income per common share (2)	\$	0.44	\$	N/A	\$	1.38	\$	N/A
Change in net assets per common share (2)	\$	0.10	\$	N/A	\$	1.44	\$	N/A
Weighted average shares outstanding (2)		7,630,025	_	N/A		7,610,818	_	N/A

⁽¹⁾ The results of operations for the fourth quarter and twelve months ended December 31, 2011 reflect Horizon's qualification to be treated as a Business Development Company (BDC) under the 1940 Act immediately following the Company's initial public offering (IPO), which was effective on October 28, 2010, whereas the operating results for the fourth quarter and twelve months ended December 31, 2010 include the Company's results prior to operating as a BDC under the 1940 Act. Accounting principles used in the preparation of these two periods are different, primarily as it relates to the carrying value of loan investments and classification of hedging activity. Therefore, the results of operations and financial position for the fourth quarter and twelve months ended December 31, 2010, are not directly comparable.

Contacts:

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⁽²⁾ For the full fourth quarter and twelve months ended December 31, 2010, the Company did not have common shares outstanding or an equivalent and, therefore, earnings per share and weighted average shares outstanding information for this period is not provided.