FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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0.5

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* BOTTIGLIERI JAMES						2. Issuer Name and Ticker or Trading Symbol Horizon Technology Finance Corp [HRZN]									all app	olicable) otor	g Person(s) to I 10% (
(Loot) (Eirot) (Middle) L						3. Date of Earliest Transaction (Month/Day/Year) 05/19/2011									Office below	er (give title w)	Other (specify below)	
(Street) FARMIN (City)	GTON C		06032 Zip)		4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indiv Line) X	idual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person			
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Ye						Execution Date,		·	3. Transaction Code (Instr. 8)		4. Securities Disposed Of	Acquired (D) (Insti	d (A) or r. 3, 4 and	d 5) Sec Ben		ount of ities icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) or (D)	Price		Trans	action(s) 3 and 4)		(,
Common Stock 05/19/201						11			P		3,000	A	\$15.7	858(1)		3,000	D	
	Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																	
Security or Exercise (Month/Day/Year) if any				eemed tion Date, h/Day/Year)	Code (Ir				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		Deriv Secu (Inst		9. Number of derivative Securities Beneficially Owned Following Reported Transaction((Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exerc	cisable	Expiration Date	Title	Amount or Number of Shares					

Explanation of Responses:

1. The price reported in Column 4 is a weighted average price. These shares were purchased in multiple transactions at prices ranging from \$15.783 to \$15.80, inclusive. Full information regarding the number of shares purchased at each separate price will be provided upon request by the SEC staff, the issuer, or any security holder of the issuer.

Remarks:

/s/ James J. Bottiglieri, by Robert D. Pomeroy, Jr. as

05/20/2011

attorney-in-fact

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.