Horizon Technology Finance Corp Form 4 August 11, 2015 OMB APPROVAL FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer 2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... 0.5 Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction 1(b). (Print or Type Responses) 1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Mahoney Edmund V. Issuer Symbol Horizon Technology Finance Corp (Check all applicable) [HRZN] (Last) (First) (Middle) 3. Date of Earliest Transaction X Director 10% Owner Officer (give title Other (specify (Month/Day/Year) below) below) **312 FARMINGTON AVENUE** 08/10/2015 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting FARMINGTON, CT US 06032 Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 2. Transaction Date 2A. Deemed 6. Ownership 7. Nature of 1.Title of 3. 4. Securities Acquired 5. Amount of Execution Date, if Security (Month/Day/Year) Transaction(A) or Disposed of (D) Securities Form: Direct Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Beneficial (D) or anv (Month/Day/Year) (Instr. 8) Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price Common 08/10/2015 Ρ 500 3.825.314 D Α Stock 11.18

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

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 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

 (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transact Code (Instr. 8)	5. ionNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		Date	Amor Unde Secur	le and unt of rlying ities . 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secu Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

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Reporting Owners

Reporting Owner Name / Address	1	Relationships							
Treporting of their function of the	Director	10% Owner	Officer	Other					
Mahoney Edmund V. 312 FARMINGTON AVENUI FARMINGTON, CT US 06032									
Signatures									
/s/ Edmund V. Mahoney	08/11/2015								
<u>**</u> Signature of Reporting Person	Date								

Explanation of Responses:

* 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. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.