6. Nature of Indirect

(Instr. 5)

Beneficial Ownership

Estimated average burden hours per

0.5

response...

PIONEER MUNICIPAL HIGH INCOME TRUST Form 3 February 03, 2014 UNITED STATES SECURITIES AND EXCHANGE COMMISSION **OMB APPROVAL** FORM 3 Washington, D.C. 20549 OMB 3235-0104 Number: January 31, **INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF** Expires: 2005

SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Title of Derivative Security

(Instr. 4)

1. Name and Address of Reporting Person <u>*</u> Goodwin Mark			2. Date of Event Requiring Statement (Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol PIONEER MUNICIPAL HIGH INCOME TRUST [MHI				
(Last)	(First)	(Middle)	01/28/2014	4. Relationship of Reporting Person(s) to Issuer			5. If Amendment, Date Original Filed(Month/Day/Year)	
PIONEER INVESTME STREET	NTS, 60	STATE						
	(Street)			.0		ow)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting	
BOSTON, MA 02109							Person Form filed by More than One Reporting Person	
(City)	(State)	(Zip)	Table I - N	Non-Derivative Securities Beneficially Owned				
1.Title of Secur (Instr. 4)	ity		2. Amount o Beneficially (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne (Instr.	*	
Reminder: Repo owned directly o	-		ach class of securities benefic	ially	SEC 1473 (7-02	.)		
	inforn requi	nation cont red to respo	pond to the collection of ained in this form are not ond unless the form displ MB control number.	t				

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

Securities Underlying

Amount or

Number of

Derivative Security

(Instr. 4)

4.

Conversion

or Exercise

Derivative

Price of

Security

5.

Ownership

Derivative

Security:

Direct (D)

Form of

2. Date Exercisable and 3. Title and Amount of

Expiration Title

Date

Expiration Date

(Month/Day/Year)

Exercisable

Date

or Indirect
(I)
(Instr. 5)

Reporting Owners

Reporting Owner Name / Addro	255	Relationships						
		10% Owner	Officer	Other				
Goodwin Mark PIONEER INVESTMENTS 60 STATE STREET BOSTON, MA 02109	Â	Â	Executive Vice President	Â				
Signatures								
Mark Goodwin 0	02/03/2014							
<u>**</u> Signature of Reporting Person	Date							
Explanation of Poononcoci								

Explanation of Responses:

No securities are beneficially owned

- * If the form is filed by more than one reporting person, see Instruction 5(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.