

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

**SCHEDULE 13G**

Under the Securities Exchange Act of 1934  
(Amendment No. 04)\*

**Pioneer Municipal High Income Advantage Trust**

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(Name of Issuer)

**AUCTION RATE PREFERRED**

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(Title of Class of Securities)

**723762**

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(CUSIP Number)

**February 20, 2018**

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(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

☐ Rule 13d-1(b)

☒ Rule 13d-1(c)

☐ Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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1	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) BANK OF AMERICA CORP /DE/ 56-0906609		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	5	SOLE VOTING POWER  0	
	6	SHARED VOTING POWER  0	
	7	SOLE DISPOSITIVE POWER  0	
	8	SHARED DISPOSITIVE POWER  0	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  0		
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)  <input type="checkbox"/>		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  0%		
12	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  HC		

FOOTNOTES

1	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Bank of America, N.A. 94-1687665		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION  United States		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	5	SOLE VOTING POWER  0	
	6	SHARED VOTING POWER  0	
	7	SOLE DISPOSITIVE POWER  0	
	8	SHARED DISPOSITIVE POWER  0	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  0		
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)  <input type="checkbox"/>		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  0%		
12	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  BK		

FOOTNOTES

1	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Blue Ridge Investments, L.L.C. 56-1970824		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)  (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	5	SOLE VOTING POWER  0	
	6	SHARED VOTING POWER  0	
	7	SOLE DISPOSITIVE POWER  0	
	8	SHARED DISPOSITIVE POWER  0	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  0		
10	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)  <input type="checkbox"/>		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  0%		
12	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  OO		

FOOTNOTES

**Item 1.**

- (a) Name of Issuer  
Pioneer Municipal High Income Advantage Trust
- (b) Address of Issuer's Principal Executive Offices  
60 State Street  
19th Floor  
Boston, Massachusetts

**Item 2.**

- (a) Name of Person Filing  
i. Bank of America Corporation ("BAC")  
ii. Bank of America, N.A. ("BANA")  
iii. Blue Ridge Investments, L.L.C. ("Blue Ridge")
- (b) Address of Principal Business Office or, if none, Residence  
The address of the principal business office of BAC is:  
Bank of America Corporate Center  
100 North Tryon Street  
Charlotte, North Carolina 28255  
  
The address of the principal business office of BANA is:  
101 South Tryon Street  
Charlotte, North Carolina 28255  
  
The address of the principal business office of Blue Ridge is:  
214 North Tryon Street  
Charlotte, North Carolina 28255
- (c) Citizenship  
BAC — Delaware  
BANA — United States  
Blue Ridge — Delaware
- (d) Title of Class of Securities  
AUCTION RATE PREFERRED
- (e) CUSIP Number  
723762

**Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a) ☐ Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b) ☐ Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c) ☐ Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d) ☐ Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e) ☐ An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f) ☐ An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g) ☒ A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h) ☐ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) ☐ A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j) ☐ A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J).
- (k) ☐ A group, in accordance with § 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:
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**Item 4. Ownership.**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned: 0
- (b) Percent of class: 0%
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote: 0
  - (ii) Shared power to vote or to direct the vote: 0
  - (iii) Sole power to dispose or to direct the disposition of: 0
  - (iv) Shared power to dispose or to direct the disposition of: 0

**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following ☒ .

On February 20, 2018, the issuer completed full redemption of its Auction Rate Preferred Securities held by the Reporting Persons.

**Item 6. Ownership of More than Five Percent on Behalf of Another Person.**

Not Applicable

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company**

Not Applicable

**Item 8. Identification and Classification of Members of the Group**

BAC, through its wholly-owned subsidiaries, BANA, Merrill Lynch, Pierce, Fenner & Smith Incorporated ("Merrill Lynch") and Blue Ridge, is engaged in providing a diverse range of financial services and products. Since settlements with the Securities and Exchange Commission and certain state agencies in 2008, Merrill Lynch and certain predecessors have worked with their customers and issuers of auction rate preferred securities to provide liquidity to the auction rate preferred securities market. This has included purchasing auction rate preferred securities from their customers and working with issuers so that they are able to redeem outstanding auction rate preferred securities. BAC's efforts to work with issuers continue and may include working with the Issuer in the future.

**Item 9. Notice of Dissolution of Group**

Not Applicable

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**Item Certification**  
**10.**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under §240.14a-11.

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

**Bank of America Corporation**

Date: February 22, 2018

By: /s/ Ronnie Ojera  
Name: Ronnie Ojera  
Title: Attorney-in-fact

**Bank of America, N.A.**

Date: February 22, 2018

By: /s/ Ronnie Ojera  
Name: Ronnie Ojera  
Title: Vice President

**Blue Ridge Investments, L.L.C.**

Date: February 22, 2018

By: /s/ Mary Kressler  
Name: Mary Kressler  
Title: Vice President

**Footnotes:** Exhibit No. Description  
99.1 Joint Filing Agreement

**Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)**

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## JOINT FILING AGREEMENT

Pursuant to and in accordance with the Securities Exchange Act of 1934, as amended (the "**Exchange Act**"), and the rules and regulations thereunder, each party hereto hereby agrees to the joint filing, on behalf of each of them, of any filing required by such party under Section 13 or Section 16 of the Exchange Act or any rule or regulation thereunder (including any amendment, restatement, supplement, and/or exhibit thereto) with the Securities and Exchange Commission (and, if such security is registered on a national securities exchange, also with the exchange), and further agrees to the filing, furnishing, and/or incorporation by reference of this agreement as an exhibit thereto. This agreement shall remain in full force and effect until revoked by any party hereto in a signed writing provided to each other party hereto, and then only with respect to such revoking party.

IN WITNESS WHEREOF, each party hereto, being duly authorized, has caused this agreement to be executed and effective as of the date set forth below.

Date: February 22, 2018

BANK OF AMERICA CORPORATION

By: /s/ Ronnie Ojera

Name: Ronnie Ojera

Title: Attorney-in-fact

BANK OF AMERICA, N.A.

By: /s/ Ronnie Ojera

Name: Ronnie Ojera

Title: Vice President

Blue Ridge Investments, L.L.C

By: /s/ Mary Kressler

Name: Mary Kressler

Title: Vice President