

PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST  
Form DEF 14A  
August 11, 2009

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

SCHEDULE 14A  
(RULE 14a-101)

INFORMATION REQUIRED IN PROXY STATEMENT  
SCHEDULE 14A INFORMATION

Proxy Statement Pursuant to Section 14(a) of  
the Securities Exchange Act of 1934 (Amendment No. \_\_)

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

Preliminary Proxy Statement

Confidential, for Use of the Commission Only (as permitted by Rule  
14a-6(e) (2))

Definitive Proxy Statement

Definitive Additional Materials

Soliciting Material Pursuant to [sec]240.14a-12

PIONEER DIVERSIFIED HIGH INCOME TRUST (HNW)  
PIONEER FLOATING RATE TRUST (PHD)  
PIONEER HIGH INCOME TRUST (PHT)  
PIONEER MUNICIPAL HIGH INCOME TRUST (MHI)  
PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST (MAV)

60 State Street  
Boston, Massachusetts 02109  
1-800-622-3265

NOTICE OF ANNUAL MEETING OF SHAREHOLDERS  
SCHEDULED FOR SEPTEMBER 22, 2009

This is the formal agenda for your fund's annual meeting of shareholders.  
It tells you the matters upon which you will be asked to vote and the time and  
place of the meeting, in case you want to attend in person.

To the shareholders of Pioneer Diversified High Income Trust, Pioneer  
Floating Rate Trust, Pioneer High Income Trust, Pioneer Municipal High Income  
Trust and Pioneer Municipal High Income Advantage Trust:

The annual meeting of shareholders of each of the above registered  
investment management companies (each, a "fund" and, collectively, the "funds")  
will be held at the offices of Bingham McCutchen LLP, One Federal Street,  
Boston, Massachusetts 02110, on Tuesday, September 22, 2009 at 2:00 p.m.,  
Eastern time, to consider the following:

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

1. To elect three Trustees of your fund, as named in the attached proxy statement: (i) with respect to each of Pioneer Floating Rate Trust, Pioneer High Income Trust, Pioneer Municipal High Income Trust and Pioneer Municipal High Income Advantage Trust, two by the holders of Common and Preferred Shares voting together as a single class, and one by the holders of Preferred Shares voting as a separate class and (ii) with respect to Pioneer Diversified High Income Trust, by the holders of Common Shares. Each elected Trustee will serve for a three year term or until a successor is elected.
2. To approve an Amended and Restated Management Agreement with Pioneer Investment Management, Inc.
3. To consider any other business that may properly come before the meeting.

Each fund will hold a separate meeting. Shareholders of each fund will vote separately.

YOUR TRUSTEES RECOMMEND THAT YOU VOTE IN FAVOR OF ALL PROPOSALS.

Shareholders of record as of the close of business on July 9, 2009 are entitled to vote at the meeting and any adjournment or postponement thereof.

IMPORTANT NOTICE REGARDING THE AVAILABILITY OF PROXY MATERIALS FOR THE MEETING TO BE HELD ON SEPTEMBER 22, 2009: This Notice and the Proxy Statement are available on the internet at [www.proxyonline.com/docs/pioneerclosedendfunds](http://www.proxyonline.com/docs/pioneerclosedendfunds).

By Order of each Board of Trustees,  
  
Dorothy E. Bourassa, Secretary

Boston, Massachusetts  
August 11, 2009

-----  
-----

WHETHER OR NOT YOU EXPECT TO ATTEND THE MEETING, PLEASE COMPLETE AND RETURN THE ENCLOSED PROXY.

22246-01-0809

PROXY STATEMENT OF  
PIONEER DIVERSIFIED HIGH INCOME TRUST (HNW)  
PIONEER FLOATING RATE TRUST (PHD)  
PIONEER HIGH INCOME TRUST (PHT)  
PIONEER MUNICIPAL HIGH INCOME TRUST (MHI)  
PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST (MAV)  
60 State Street  
Boston, Massachusetts 02109  
1-800-622-3265

ANNUAL MEETING OF SHAREHOLDERS

This proxy statement contains the information you should know before voting on the proposal summarized below.

Each fund will furnish without charge a copy of its most recent annual report and any more recent semi-annual report to any shareholder upon request. Shareholders who want to obtain a copy of a fund's reports should direct all written requests to the attention of the fund, at the address listed above, or

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

should call Pioneer Investment Management Shareholder Services, Inc. ("PIMSS") at 1-800-622-3265.

### INTRODUCTION

This proxy statement is being used by the Board of Trustees of each fund to solicit proxies to be voted at the annual meeting of shareholders of each fund referenced above. Participating in the meeting are holders of common shares of beneficial interest (the "Common Shares") of each fund and the holders of preferred shares of beneficial interest (the "Preferred Shares") of Pioneer Floating Rate Trust, Pioneer High Income Trust, Pioneer Municipal High Income Trust and Pioneer Municipal High Income Advantage Trust. Each meeting will be held at the offices of Bingham McCutchen LLP, One Federal Street, Boston, Massachusetts 02110, at 2:00 p.m., Eastern time, on Tuesday, September 22, 2009, and at any adjournments or postponements of a meeting to a later date, for the purposes as set forth in the accompanying notice of annual meeting of shareholders.

This proxy statement and the enclosed proxy card are being mailed to shareholders of each fund on or about August 11, 2009. The annual report for each fund for its most recently completed fiscal year previously was mailed to shareholders.

### WHO IS ELIGIBLE TO VOTE

Shareholders of record of each fund as of the close of business on July 9, 2009 (the "record date") are entitled to vote on all of the fund's business at the annual shareholder meeting and any adjournments or postponements thereof. With respect to each proposal, each whole share shall be entitled to one vote and each fractional share shall be entitled to a proportionate fractional vote. Shares represented by properly executed proxies, unless revoked before or at the meeting, will be voted according to the shareholder's instructions. If you sign a proxy card but do not fill in a vote, your shares will be voted FOR each of the nominees for Trustee in Proposal 1 and in favor of the Amended and Restated Management Agreement in Proposal 2. If any other business properly comes before the annual shareholder meeting, your shares will be voted at the discretion of the persons named as proxies.

Shareholders of each fund will only vote on proposals relating to their fund.

### PROPOSAL 1

#### ELECTION OF BOARD OF TRUSTEES

Shareholders of each fund are being asked to consider the election of three nominees to the Board of Trustees of the fund. All of the nominees for election to each fund's Board currently serve as Trustees of the fund and have served in that capacity continuously since originally elected or appointed. Each Trustee shall be elected to hold office for a three-year term and until his or her successor is elected and qualified. Each nominee has consented to being named in this proxy statement and indicated his or her willingness to serve if elected. In the unanticipated event that any nominee should be unable to serve, the persons named as proxies may vote for such other person as shall be designated by the fund's Board of Trustees. The persons named on the accompanying proxy

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

card intend to vote at the meeting (unless otherwise directed) for the election of the nominees named below as Trustees of each fund.

The Agreement and Declaration of Trust for each fund provides that the Board of Trustees shall consist of Trustees divided into three classes, each class to consist, as nearly as may be possible, of one-third of the total number of trustees constituting the entire Board of Trustees. The Trustees of only one class are elected at each annual meeting so that the regular term of only one class of Trustees will expire annually and any particular Trustee stands for election only once in each three-year period. Each fund's Board of Trustees is divided into three staggered term classes -- Class I, Class II and Class III. Class I Trustees are being submitted to shareholders for election at the meeting for Pioneer High Income Trust. Class II Trustees are being submitted to shareholders for election at the meeting for Pioneer Diversified High Income Trust. Class III Trustees are being submitted to shareholders for election at the meeting for each of Pioneer Floating Rate Trust, Pioneer Municipal High Income Trust and Pioneer Municipal High Income Advantage Trust.

Each fund's Board of Trustees consists of nine members.

### Pioneer Diversified High Income Trust

The terms of the Class II Trustees - Ms. Bush, Mr. Perna and Ms. Piret -- expire at the upcoming 2009 annual meeting; the terms of the Class III Trustees -- Mr. Cogan, Mr. Bock and Mr. West -- expire in 2010; the terms of the Class I Trustees -- Ms. Graham, Mr. Kingsbury and Mr. Friedman -- expire in 2011.

### Pioneer Floating Rate Trust

The terms of the Class III Trustees -- Ms. Bush, Mr. Perna and Ms. Piret -- expire at the upcoming 2009 annual meeting; the terms of the Class I Trustees -- Mr. Cogan, Mr. Bock and Mr. West -- expire in 2010; the terms of the Class II Trustees -- Ms. Graham, Mr. Kingsbury and Mr. Friedman -- expire in 2011.

### Pioneer Municipal High Income Trust

The terms of the Class III Trustees -- Ms. Bush, Mr. Perna and Ms. Piret -- expire at the upcoming 2009 annual meeting; the terms of the Class I Trustees -- Mr. Cogan, Mr. Bock and Mr. West -- expire in 2010; the terms of the Class II Trustees -- Ms. Graham, Mr. Kingsbury and Mr. Friedman -- expire in 2011.

### Pioneer Municipal High Income Advantage Trust

The terms of the Class III Trustees -- Ms. Bush, Mr. Perna and Ms. Piret -- expire at the upcoming 2009 annual meeting; the terms of the Class I Trustees -- Mr. Cogan, Mr. Bock and Mr. West -- expire in 2010; the terms of the Class II Trustees -- Ms. Graham, Mr. Kingsbury and Mr. Friedman -- expire in 2011.

### Pioneer High Income Trust

The terms of the Class I Trustees -- Ms. Bush, Mr. Perna and Ms. Piret -- expire at the upcoming 2009 annual meeting; the terms of the Class II Trustees -- Mr. Cogan, Mr. Bock and Mr. West -- expire in 2010; the terms of the Class III Trustees -- Ms. Graham, Mr. Kingsbury and Mr. Friedman -- expire in 2011.

Subsequently, for each fund, each class of Trustees will stand for election at the conclusion of its respective three-year term. Such classification may prevent replacement of a majority of the Trustees for up to a two-year period. Holders of the Preferred Shares of each fund that has Preferred Shares outstanding are entitled to elect two trustees of that fund. Mr. Cogan and Ms. Piret have been designated as the Trustees to be elected by the holders of the Preferred Shares of each fund that has issued Preferred Shares. As noted above, Ms. Piret's term expires at the upcoming 2009 annual meeting. Consequently, holders of Preferred Shares of each fund that has Preferred Shares outstanding will be asked to vote as a separate class at the upcoming 2009 annual meeting.

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

The following table sets forth the nominees for election, their ages, each nominee's or incumbent Trustee's position(s) with each fund, his or her age, address, principal occupation during the past five years and any other

board memberships they hold. Trustees who are interested persons of a fund within the meaning of the Investment Company Act of 1940, as amended (the "1940 Act"), are referred to as Interested Trustees. Trustees who are not interested persons of a fund are referred to as Independent Trustees. Each of the Trustees (except Mr. West) serves as a Trustee of each of the 67 U.S. registered investment portfolios for which Pioneer Investment Management, Inc. ("Pioneer") serves as investment adviser (the "Pioneer Funds"). Mr. West serves as Trustee of 53 of the 67 Pioneer Funds. The address for all Trustees and all officers of each fund is 60 State Street, Boston, Massachusetts 02109.

Name, Age and Address	Position(s) Held With each Fund	Term of Office and Length of Service	Principal Occupation(s) During Past Five Years	
-----				
Interested Trustees:				
-----				
John F. Cogan, Jr. (83)*	Chairman of the Board, Trustee and President	Pioneer Diversified High Income Trust: Class III Trustee since 2007. Term expires in 2010. Pioneer Floating Rate Trust: Class I Trustee since 2003. Term expires in 2010. Elected by Preferred Shares only. Pioneer High Income Trust: Class II Trustee since 2002. Term expires in 2010. Elected by Preferred Shares only. Pioneer Municipal High Income Trust: Class I Trustee since 2003. Term expires in 2010. Elected by Preferred Shares only. Pioneer Municipal High Income Advantage Trust: Class I Trustee since 2003. Term expires in 2010. Elected by Preferred Shares only.	Deputy Chairman and a Director of Pioneer Global Asset Management S.p.A. ("PGAM"); Non-Executive Chairman and a Director of Pioneer Investment Management USA Inc. ("PIM-USA"); Chairman and a Director of Pioneer; Chairman and Director of Pioneer Institutional Asset Management, Inc. (since 2006); Director of Pioneer Alternative Investment Management Limited (Dublin); President and a Director of Pioneer Alternative Investment Management (Bermuda) Limited and affiliated funds; Director of PLOGLOBAL Real Estate Investment Fund (Russia) (until June 2006); Director of Nano-C, Inc. (since 2003); Director of Cole Management Inc. (since 2004); Director of Fiduciary Counseling, Inc.; President and Director of Pioneer Funds Distributor, Inc. ("PFD") (until May 2006); President of all of the Pioneer Funds; and Of Counsel, Wilmer Cutler Pickering Hale and Dorr LLP	No
Daniel K. Kingsbury (50)*	Trustee and Executive Vice President	Pioneer Diversified High Income Trust: Class I Trustee since 2007. Term expires	Director, CEO and President of Pioneer Investment Management USA Inc. (since February 2007); Director and President of Pioneer Investment	No

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

<p>in 2011. Pioneer Floating Rate Trust: Class II Trustee since</p>	<p>Management, Inc. and Pioneer Institutional Asset Management, Inc. (since February 2007); Executive Vice President of all of the Pioneer Funds</p>
---	--

---

<p>2007. Term expires in 2011. Pioneer High Income Trust: Class III Trustee since 2007. Term expires in 2011. Pioneer Municipal High Income Trust: Class II Trustee since 2007. Term expires in 2011. Pioneer Municipal High Income Advantage Trust: Class II Trustee since 2007. Term expires in 2011.</p>	<p>(since March 2007); Director of Pioneer Global Asset Management S.p.A. (since April 2007); Head of New Markets Division, Pioneer Global Asset Management S.p.A. (2000-2007)</p>
---	--

---

Independent Trustees:

<p>David R. Trustee Bock (65)</p>	<p>Pioneer Diversified High Income Trust: Class III Trustee since 2007. Term expires in 2010. Pioneer Floating Rate Trust: Class I Trustee since 2005. Term expires in 2010. Pioneer High Income Trust: Class II Trustee since 2005. Term expires in 2010. Pioneer Municipal High Income Trust: Class I Trustee since 2005. Term expires in 2010. Pioneer Municipal High Income Advantage Trust: Class I Trustee since 2005. Term expires in 2010.</p>	<p>Managing Partner, Federal City Capital Advisors (boutique merchant bank) (1997 to 2004 and 2008 - present); and Executive Vice President and Chief Financial Officer, I-trax, Inc. (publicly traded health care services company) (2004 - 2007)</p>	<p>Di Co In af fi Di Mo tr an An (p an</p>
<p>Mary K. Trustee Bush (61)</p>	<p>Pioneer Diversified High Income Trust: Class II Trustee since</p>	<p>President, Bush International, LLC (international financial advisory firm)</p>	<p>Di In Di</p>

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

2007. Term expires in 2009.  
 Pioneer Floating Rate Trust:  
 Class III Trustee

Fi  
 (c  
 el  
 se  
 Br

since 2003. Term expires in 2009.  
 Pioneer High Income Trust: Class I Trustee since 2002. Term expires in 2009.  
 Pioneer Municipal High Income Trust:  
 Class III Trustee since 2003. Term expires in 2009.  
 Pioneer Municipal High Income Advantage Trust:  
 Class III Trustee since 2003. Term expires in 2009.

(e  
 Di  
 Co  
 ho  
 Di  
 In  
 Co  
 se  
 in  
 fi  
 of  
 Co

Benjamin M. Friedman (64) Trustee

Pioneer Diversified High Income Trust: Class I Trustee since 2008. Term expires in 2011.  
 Pioneer Floating Rate Trust:  
 Class II Trustee since 2008. Term expires in 2011.  
 Pioneer High Income Trust: Class III Trustee since 2008. Term expires in 2011.  
 Pioneer Municipal High Income Trust:  
 Class II Trustee since 2008. Term expires in 2011.  
 Pioneer Municipal High Income Advantage Trust:  
 Class II Trustee since 2008. Term expires in 2011.

Professor, Harvard University

Tr  
 In  
 In  
 Me  
 Fu  
 in

Margaret B.W. Graham (62) Trustee

Pioneer Diversified High Income Trust: Class I Trustee since 2007. Term expires in 2011.  
 Pioneer Floating Rate

Founding Director, Vice-President and Corporate Secretary, The Winthrop Group, Inc. (consulting firm); and Desautels Faculty of Management, McGill University

No

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Trust:  
 Class II Trustee since  
 2003. Term expires in  
 2011.

Pioneer High Income  
 Trust: Class III  
 Trustee since 2002.  
 Term expires in 2011.  
 Pioneer Municipal High  
 Income Trust:  
 Class II Trustee since  
 2003. Term expires in  
 2011.  
 Pioneer Municipal High  
 Income Advantage Trust:  
 Class II Trustee since  
 2003. Term expires in  
 2011.

Thomas J. Trustee  
 Perna  
 (58)

Pioneer Diversified  
 High Income Trust:  
 Class II Trustee since  
 2007. Term expires in  
 2009.  
 Pioneer Floating Rate  
 Trust:  
 Class III Trustee since  
 2006. Term expires in  
 2009.  
 Pioneer High Income  
 Trust: Class I Trustee  
 since 2006. Term  
 expires in 2009.  
 Pioneer Municipal High  
 Income Trust: Class III  
 Trustee since 2006.  
 Term expires in 2009.  
 Pioneer Municipal High  
 Income Advantage Trust:  
 Class III Trustee since  
 2006. Term expires in  
 2009.

Chief Executive Officer, Quadriserv,  
 Inc. (technology products for securities  
 lending industry) (2008 - present);  
 Private investor (2004 - 2008); and  
 Senior Executive Vice President, The  
 Bank of New York (financial and  
 securities services) (1986 - 2004)

No

Marguerite Trustee  
 A. Piret  
 (61)

Pioneer Diversified  
 High Income Trust:  
 Class II Trustee since  
 2007. Term expires in  
 2009.  
 Pioneer Floating Rate  
 Trust:  
 Class III Trustee since  
 2003. Term expires in  
 2009. Elected by

President and Chief Executive Officer,  
 Newbury, Piret & Company, Inc.  
 (investment banking firm)

Di  
 Hi  
 (c  
 co



Preferred Shares only.

---

Pioneer High Income Trust: Class I Trustee since 2002. Term expires in 2009. Elected by Preferred Shares only.  
 Pioneer Municipal High Income Trust: Class III Trustee since 2003. Term expires in 2009. Elected by Preferred Shares only.  
 Pioneer Municipal High Income Advantage Trust: Class III Trustee since 2003. Term expires in 2009. Elected by Preferred Shares only.

---

Stephen K. West (80) Trustee

Pioneer Diversified High Income Trust: Class III Trustee since 2007. Term expires in 2010.  
 Pioneer Floating Rate Trust: Class I Trustee since 2003. Term expires in 2010.  
 Pioneer High Income Trust: Class II Trustee since 2002. Term expires in 2010.  
 Pioneer Municipal High Income Trust: Class I Trustee since 2003. Term expires in 2010.  
 Pioneer Municipal High Income Advantage Trust: Class I Trustee since 2003. Term expires in 2010.

Senior Counsel, Sullivan & Cromwell LLP (law firm)

Di  
He  
(c  
co

---

\* Mr. Cogan and Mr. Kingsbury are Interested Trustees because each is an officer or director of each fund's investment adviser and/or certain of its affiliates.

Board Committees

The Board of Trustees for each fund has an Audit Committee, a Governance Committee (formerly, the Independent Trustees Committee), a Nominating

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Committee, a Valuation Committee and a Policy Administration Committee. Committee members are as follows:

### Audit

David R. Bock (Chair), Benjamin M. Friedman and Marguerite A. Piret

### Governance

David R. Bock, Mary K. Bush, Benjamin M. Friedman, Margaret B.W. Graham, Thomas J. Perna, Marguerite A. Piret and Stephen K. West (Chair)

### Nominating

Mary K. Bush (Chair), Benjamin M. Friedman, Margaret B.W. Graham and Marguerite A. Piret

### Valuation

David R. Bock, Benjamin M. Friedman and Marguerite A. Piret (Chair)

### Policy Administration

Mary K. Bush, Margaret B.W. Graham, Thomas J. Perna (Chair) and Stephen K. West

During the most recent fiscal year for each fund, the Audit, Governance, Nominating, Policy Administration and Valuation Committees of each fund held the following meetings:

	Pioneer Diversified High Income Trust	Pioneer Floating Rate Rate Trust	Pioneer High Income Income Trust	Pioneer Municipal High Income Trust	Pioneer Mu High In Advantage
Audit Committee	7	13	6	7	6
Governance Committee	5	10	6	5	6
Nominating Committee	0	0	0	0	0
Policy Administration Committee	5	5	5	5	5
Valuation Committee	4	4	4	4	4

Each fund's Audit Committee is comprised of only Independent Trustees who are "independent" as defined in the applicable New York Stock Exchange ("NYSE") and NYSE Amex listing standards relating to closed-end funds. The Board of Trustees of each fund has adopted a charter for the Audit Committee. In accordance with its charter, the purposes of the Audit Committee are to:

- o Assist the Board of Trustees' oversight and monitoring of: (i) the integrity of the fund's financial statements; (ii) the fund's compliance with legal and regulatory requirements; (iii) the independent registered public accounting firm's qualifications, performance and independence; and (iv) the performance of the

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

fund's internal audit function; and

- o Prepare an Audit Committee Report to the extent required by Securities and Exchange Commission ("SEC") to be included in the fund's annual proxy statement and other filings.

The Audit Committee reports that it has (1) reviewed and discussed each fund's audited financial statements with management; (2) discussed with the independent registered public accounting firm the matters required to be discussed with the independent auditors by the Statement of Auditing Standards No. 61, as amended, as adopted by the Public Company Accounting Oversight Board in Rule 3200 T; and (3) received written disclosures and an independence letter from the independent registered public accounting firm required by Independence Standards Board Standard No. 1, as adopted by the Public Company Accounting Oversight Board in Rule 3600 T, and discussed with the independent registered public accounting firm that firm's independence. Based upon the review

and discussions referred to above, the Audit Committee recommended to the Board of Trustees that the audited financial statements be included in the Annual Report for Pioneer Floating Rate Trust for the fiscal year ended November 30, 2008, the Annual Reports for Pioneer High Income Trust and Pioneer Municipal High Income Advantage Trust for the fiscal year ended March 31, 2009 and in the Annual Reports for Pioneer Diversified High Income Trust and Pioneer Municipal High Income Trust for the fiscal year ended April 30, 2009.

The Audit Committee charter is available on Pioneer's website: [www.pioneerinvestments.com](http://www.pioneerinvestments.com). You also can obtain a copy by sending a written request to your fund at the address listed on this proxy statement.

Each fund's Board of Trustees has determined that the fund has at least one audit committee financial expert serving on its Audit Committee. Ms. Piret, an Independent Trustee, serves on each Audit Committee and has been determined to be an audit committee financial expert.

All members of the Nominating Committee are independent under the applicable NYSE and NYSE Amex listing standards relating to closed-end funds, and are not "interested persons", as defined in the 1940 Act, of the fund. The Board of each fund has adopted a written charter for the Nominating Committee, which is available on Pioneer's website: [www.pioneerinvestments.com](http://www.pioneerinvestments.com). You also can obtain a copy by sending a written request to your fund at the address listed on this proxy statement. The Nominating Committee reviews the qualifications of persons being considered as candidates for Independent Trustee and makes recommendations regarding the qualifications of such persons to the Governance Committee. The Governance Committee then evaluates any candidate and determines whether to nominate him or her for election. The Trustees who are not Independent Trustees and the officers of each fund are nominated and selected by the Board.

The Nominating Committee's charter provides for certain criteria to be used in evaluating candidates for Independent Trustee. In reviewing a potential nominee, the Nominating Committee applies the following criteria: (i) the nominee's reputation for integrity, honesty and adherence to high ethical standards, (ii) the nominee's business acumen and ability to exercise sound judgments, (iii) a commitment to attend and participate in meetings of the Board and its committees, (iv) the ability to understand potential conflicts of interest in managing a fund and to act in the interests of all shareholders, and (v) the absence of a real or apparent conflict of interest that would impair the nominee's ability to represent the interests of all the shareholders and to fulfill the responsibilities of an Independent Trustee. The Nominating Committee does not necessarily place the same emphasis on each criterion.

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

As long as an existing Independent Trustee continues, in the opinion of the other Independent Trustees, to satisfy these criteria and continues to make positive contributions to the Board, each fund anticipates that Independent Trustees of the fund would favor the re-nomination of an existing Trustee rather than a new candidate. Consequently, while the Nominating Committee will evaluate the qualifications of nominees recommended by shareholders to serve as Trustee, the Independent Trustees might act upon the Nominating Committee's evaluation only if there is a vacancy on the Board. In the event that a vacancy arises or a change in Board membership is determined to be advisable, the Nominating Committee will, in addition to any shareholder recommendations, evaluate candidates identified by other means, including candidates proposed by Independent Trustees or management. While it has not done so in the past, the Nominating Committee may retain a consultant to assist the Committee in a search for a qualified candidate.

Any shareholder recommendation must be submitted in compliance with all of the pertinent provisions of Regulation 14A under the Securities Exchange Act of 1934, as amended (the "Exchange Act") and the Agreement and Declaration of Trust and By laws of the fund to be considered by the Nominating Committee. In evaluating a nominee recommended by a shareholder, the Nominating Committee, in addition to the criteria discussed above, may consider the objectives of the shareholder in submitting that nomination and whether such objectives are consistent with the interests of all shareholders. If the Board determines to include a shareholder's candidate among the slate of nominees, the candidate's name will be placed on the fund's proxy card. If the Nominating Committee, the Independent Trustees or the Board determines not to include such candidate among the Board's designated nominees and the shareholder has satisfied the requirements of Rule 14a-8 under the Exchange Act, the shareholder's candidate will be treated as a nominee of the shareholder who originally nominated the candidate.

The Nominating Committee initiated the recommendation of each of the nominees to serve as Independent Trustee.

Shareholders may communicate with the members of the Board as a group or individually. Any such communication should be sent to the Board or an individual Trustee c/o the Secretary of the fund at the address on the notice of this meeting. The Secretary may determine not to forward any communication to members of the Board that does not relate to the business of a fund.

The Valuation Committee reviews the valuation assigned to certain securities by Pioneer in accordance with each fund's valuation procedures.

The Policy Administration Committee reviews the implementation of certain of each fund's administrative policies and procedures.

The Governance Committee reviews each fund's management contract and other related party contracts annually and is also responsible for any other action required to be taken, under the 1940 Act, by the Independent Trustees acting alone.

For Pioneer High Income Trust and Pioneer Municipal High Income Advantage Trust, during each fund's most recent fiscal year, the Board of Trustees held 8 meetings. For Pioneer Diversified High Income Trust and Pioneer Municipal High Income Trust, during each fund's most recent fiscal year, the Board of Trustees held 9 meetings. For Pioneer Floating Rate Trust, during the fund's most recent fiscal year, the Board of Trustees held 7 meetings. All of the current Trustees and committee members of each fund then serving attended at least 75% of the meetings of the Board of Trustees and applicable committees,

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

if any, held during that fund's fiscal year. Mr. Friedman was elected to the Boards on September 22, 2008 and attended at least 75% of those meetings subsequent to his election.

The funds do not have a policy on Trustee attendance at the annual meeting of shareholders. For each fund, one Trustee attended the 2008 annual meeting of shareholders.

The following table indicates the value of shares that each Trustee or nominee beneficially owned in each fund and Pioneer Funds in the aggregate as of May 31, 2009. Beneficial ownership is determined in accordance with SEC rules. The share value of any closed-end Pioneer fund is based on its closing market price on May 31, 2009. The share value of any open-end Pioneer fund is based on the net asset value of the class of shares on May 31, 2009. The dollar ranges in this table are in accordance with SEC requirements.

Name of Trustee or Nominee	Dollar Range of Equity Securities in each Fund	Aggregate Dollar Range of Equity Securities in All Pioneer Funds Overseen or to be Overseen by Trustee or Nominee
-----		
INTERESTED TRUSTEE or NOMINEE		
-----		
	Over \$100,000 (1)	
	\$0 (2)	
John F. Cogan, Jr.	\$0 (3)	Over \$100,000
	\$0 (4)	
	Over \$100,000 (5)	
-----		
	\$0 (1)	
	\$0 (2)	
Daniel K. Kingsbury	\$0 (3)	Over \$100,000
	\$0 (4)	
	\$0 (5)	
-----		
INDEPENDENT TRUSTEE or NOMINEE		
-----		
	\$0 (1)	
David R. Bock	\$0 (2)	Over \$100,000
-----		
	\$0 (3)	
	\$0 (4)	
	\$0 (5)	
-----		
	\$0 (1)	
	\$0 (2)	
Mary K. Bush	\$0 (3)	Over \$100,000
	\$0 (4)	

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

	\$0 (5)	
-----		
	\$0 (1)	
	\$0 (2)	\$50,001 to
Benjamin M. Friedman	\$0 (3)	\$100,000
	\$0 (4)	
	\$0 (5)	
-----		
	\$1 to \$10,000 (1)	
	\$0 (2)	\$50,001 to
Margaret B. W. Graham	\$0 (3)	\$100,000
	\$0 (4)	
	\$0 (5)	
-----		
	\$0 (1)	
	\$0 (2)	
Thomas J. Perna	\$0 (3)	Over \$100,000
	\$0 (4)	
	\$0 (5)	
-----		
	\$0 (1)	
	\$0 (2)	
Marguerite A. Piret	\$0 (3)	Over \$100,000
	\$0 (4)	
	\$0 (5)	
-----		
	\$1 to \$10,000 (1)	
	\$0 (2)	
Stephen K. West	\$0 (3)	Over \$100,000
	\$0 (4)	
	\$0 (5)	
-----		

- (1) Shares held in Pioneer High Income Trust
- (2) Shares held in Pioneer Municipal High Income Trust
- (3) Shares held in Pioneer Municipal High Income Advantage Trust
- (4) Shares held in Pioneer Floating Rate Trust
- (5) Shares held in Pioneer Diversified High Income Trust

As of December 31, 2008, the Trustees, any nominee for election as a Trustee and the officers of each fund owned beneficially in the aggregate less than 1% of the outstanding shares of each fund.

For each of the funds, during the most recent fiscal year, none of the Trustees or any nominee for election as a Trustee engaged in the purchase or sale of securities of Pioneer, UniCredit S.p.A. ("Unicredit") or any other entity in a control relationship to Pioneer or PFD.

Material Relationships of the Independent Trustees

Mr. West, an Independent Trustee, is Senior Counsel to Sullivan & Cromwell, which acts as counsel to the Independent Trustees and the Independent Trustees of the other Pioneer Funds. The aggregate compensation paid to Sullivan & Cromwell by the funds and the other Pioneer Funds was approximately \$406,262 and \$450,898 in each of 2007 and 2008.

Compliance with Section 16(a) Reporting Requirements

Section 16(a) of the Exchange Act requires each fund's executive officers, Trustees and persons who own more than ten percent of a fund's shares ("10% Shareholders") to file reports of ownership and changes in ownership with the

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

SEC. Executive officers, Trustees and 10% Shareholders are required by SEC regulations to furnish the fund with copies of all Section 16(a) forms they file. Section 30(h) of the 1940 Act extends the reporting requirements under Section 16(a) of the Exchange Act to certain officers of the fund's investment adviser. Based solely on a review of the copies of these reports furnished to each of the funds and representations that no other reports were required to be filed, each fund believes that during the past fiscal year all filing requirements applicable to such persons were met.

### Other executive officers

In addition to Mr. Cogan and Mr. Kingsbury, who serve as President and Executive Vice President, respectively, of each fund, the following table provides information with respect to the other executive officers of the funds. Each executive officer is elected by the Board of Trustees and serves until his or her successor is chosen and qualified or until his or her resignation or removal by the Board. The business address of all officers of the funds is 60 State Street, Boston, Massachusetts 02109.

Name, age and position with each fund	Principal occupation(s)
Dorothy E. Bourassa (61) Secretary	Senior Vice President, General Counsel and Secretary of PIM-USA; Senior Vice President and General Counsel of Pioneer; Secretary/Clerk of most of PIM-USA's subsidiaries; and Secretary of all of the Pioneer Funds since September 2003 (Assistant Secretary from November 2000 to September 2003)
Christopher J. Kelley (44) Assistant Secretary	Vice President and Associate General Counsel of Pioneer since January 2008 and Assistant Secretary of all of the Pioneer Funds since September 2003; Vice President and Senior Counsel of Pioneer from July 2002 to December 2007
Mark E. Bradley (49) Treasurer	Vice President-Fund Accounting, Administration and Controllershship Services of Pioneer; and Treasurer of all of the Pioneer Funds since March 2008; Deputy Treasurer of Pioneer from March 2004 to February 2008; Assistant Treasurer of all of the Pioneer Funds from March 2004 to February 2008; and Treasurer and Senior Vice President, CDC IXIS Asset Management Services from 2002 to 2003
Luis I. Presutti (44) Assistant Treasurer	Assistant Vice President-Fund Accounting, Administration and Controllershship Services of Pioneer; and Assistant Treasurer of all of the Pioneer Funds
Gary Sullivan (51) Assistant Treasurer	Fund Accounting Manager - Fund Accounting, Administration and Controllershship Services of Pioneer; and Assistant Treasurer of all of the Pioneer Funds
David F. Johnson (29) Assistant Treasurer	Fund Administration Manager - Fund Accounting, Administration and Controllershship Services since November 2008 and Assistant Treasurer of all of the Pioneer Funds since January 2009; Client Service Manager - Institutional Investor Services at State Street Bank from March 2003 to March 2007

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Teri W. Anderholm (49) Chief Compliance Officer since December 2006 and of all the Pioneer Funds since January 2007; Vice President and Compliance Officer, MFS Investment Management (August 2005 to December 2006); Consultant, Fidelity Investments (February 2005 to July 2005); Independent Consultant (July 1997 to February 2005)

### Compensation of trustees and officers

The following table sets forth certain information with respect to the compensation of each Trustee of Pioneer High Income Trust and Pioneer Municipal High Income Advantage Trust for the fiscal year ended March 31, 2009. The amounts paid to the Trustees by each fund differ due to (i) membership on or chairing certain committees of the Board of Trustees and (ii) attendance at meetings. The fund does not pay any salary or other compensation to its officers.

Pioneer High Income Trust and Pioneer Municipal High Income Advantage Trust:

Name of Trustee	Aggregate Compensation from each Fund	Pension or Retirement Benefits Accrued as Part of Fund Expenses	Total Compensation from the Fund and Other Pioneer Funds (2)
<b>Interested Trustees:</b>			
John F. Cogan, Jr. (1)	\$500.00* \$500.00**	\$0.00	\$31,100.00
Daniel K. Kingsbury (1)	\$0.00* \$0.00**	0.00	\$0.00
<b>Independent Trustees:</b>			
David R. Bock	\$1,961.35* \$1,772.11**	0.00	\$183,314.76
Mary K. Bush	\$2,099.14* \$1,869.21**	0.00	\$196,150.01
Benjamin M. Friedman (3)	\$1,452.81* \$1,347.56**	0.00	\$133,800.01
Margaret B.W. Graham	\$2,251.08* \$1,996.00**	0.00	\$215,150.01
Thomas J. Perna	\$2,148.47* \$1,916.38**	0.00	\$204,429.45
Marguerite A. Piret	\$2,426.15* \$2,121.96**	0.00	\$230,200.01
Stephen K. West	\$1,918.14* \$1,733.55**	0.00	\$109,527.67



Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

- (1) Under the management contract, Pioneer reimburses each fund for any Interested Trustees fees paid by the fund.  
 (2) There are 67 U.S. registered investment portfolios in the Pioneer Funds.  
 (3) Mr. Friedman became a Trustee on September 22, 2008.

\* Aggregate compensation from Pioneer High Income Trust.

\*\* Aggregate compensation from Pioneer Municipal High Income Advantage Trust.

The following table sets forth certain information with respect to the compensation of each Trustee of Pioneer Diversified High Income Trust and Pioneer Municipal High Income Trust for the fiscal year ended April 30, 2009. The amounts paid to the Trustees differ due to (i) membership on or chairing certain committees of the boards of Trustees and (ii) attendance at meetings. The fund does not pay any salary or other compensation to its officers.

Pioneer Diversified High Income Trust and Pioneer Municipal High Income Trust:

Name of Trustee	Aggregate Compensation from each Fund	Pension or Retirement Benefits Accrued as Part of Fund Expenses	Total Compensation from the Fund and Other Pioneer Funds (2)
Interested Trustees:			
John F. Cogan, Jr. (1)	\$500.00* \$500.00**	\$0.00	\$31,100.00
Daniel K. Kingsbury (1)	\$0.00* \$0.00**	0.00	\$0.00
Independent Trustees:			
David R. Bock	\$1,000.00* \$1,592.08**	0.00	\$183,314.76
Mary K. Bush	\$1,000.00* \$1,670.32**	0.00	\$196,150.01
Benjamin M. Friedman (3)	\$875.00* \$1,234.19**	0.00	\$133,800.01
Margaret B.W. Graham	\$1,000.00* \$1,767.19**	0.00	\$215,150.01
Thomas J. Perna	\$1,000.00* \$1,705.35**	0.00	\$204,429.45

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Marguerite A. Piret	\$1,000.00* \$1,866.74**	0.00	\$230,200.01
Stephen K. West	\$1,000.00* \$1,563.27**	0.00	\$109,527.67

- (1) Under the management contract, Pioneer reimburses each fund for any Interested Trustees fees paid by the fund.
- (2) There are 67 U.S. registered investment portfolios in the Pioneer Funds.
- (3) Mr. Friedman became a Trustee on September 22, 2008.

\* Aggregate compensation from Pioneer Diversified High Income Trust.  
 \*\* Aggregate compensation from Pioneer Municipal High Income Trust.

The following table sets forth certain information with respect to the compensation of each Trustee of Pioneer Floating Rate Trust for the fiscal year ended November 30, 2008. The amounts paid to the Trustees differ due to (i) membership on or chairing certain committees of the boards of Trustees and (ii) attendance at meetings. The fund does not pay any salary or other compensation to its officers.

Pioneer Floating Rate Trust:

Name of Trustee	Aggregate Compensation from Fund	Pension or Retirement Benefits Accrued as Part of Fund Expenses	Total Compensation from the Fund and Other Pioneer Funds(2)
<b>Interested Trustees:</b>			
John F. Cogan, Jr. (1)	\$500.00	\$0.00	\$31,100.00
Daniel K. Kingsbury(1)	\$0.00	0.00	\$0.00
<b>Independent Trustees:</b>			
David R. Bock	\$2,236.64	0.00	\$165,067.92
Mary K. Bush	\$2,639.41	0.00	\$196,300.00
Benjamin M. Friedman(3)	\$1,129.29	0.00	\$84,000.00
Margaret B.W. Graham	\$2,747.25	0.00	\$204,300.00
Thomas J. Perna	\$2,548.34	0.00	\$189,816.45
Marguerite A. Piret	\$3,137.34	0.00	\$233,000.00
Stephen K. West	\$2,209.18	0.00	\$75,116.72

- (1) Under the management contract, Pioneer reimburses each fund for any

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Interested Trustees fees paid by the fund.

(2) There are 67 U.S. registered investment portfolios in the Pioneer Funds.

(3) Mr. Friedman became a Trustee on September 22, 2008.

Investment adviser and administrator

Pioneer, whose executive offices are located at 60 State Street, Boston, Massachusetts 02109, serves as investment adviser and administrator to each fund.

Required vote

In accordance with the Agreement and Declaration of Trust for Pioneer Diversified High Income Trust, the affirmative vote of a plurality of the Common Shares of the fund present in person or by proxy at the meeting at which a quorum exists is required to elect each nominee for Trustee. Ms. Bush, Mr. Perna and Ms. Piret are the current nominees for election to the fund's Board of Trustees. This means that the three nominees receiving the greatest number of votes will be elected as Class II Trustees to the Board of Pioneer Diversified High Income Trust.

In accordance with the Agreement and Declaration of Trust for each of Pioneer Floating Rate Trust, Pioneer High Income Trust, Pioneer Municipal High Income Trust and Pioneer Municipal High Income Advantage Trust, the holders of Common Shares and Preferred Shares of each fund will vote on the respective nominees designated to be elected by such class of shares. Ms. Bush, Mr. Perna and Ms. Piret are the current nominees for election to each fund's Board of Trustees. Ms. Bush and Mr. Perna are each elected by the holders of Common and Preferred Shares. Ms. Piret is elected by the holders of Preferred Shares only. The affirmative vote of a plurality of the Common and Preferred Shares of the fund present in person or by proxy at the meeting at which a quorum exists, voting together as a single class, is required to elect each nominee for Trustee designated to be elected by the Common and Preferred Shares of the fund. For each fund that has issued Preferred Shares, the affirmative vote of a plurality of the Preferred Shares of the fund present at the meeting in person or by proxy is required to elect the nominee for Trustee designated to be elected by the Preferred Shares of the fund. This means that the three nominees receiving the greatest number of votes will be elected as Class III Trustees to the Board of each of Pioneer Floating Rate Trust, Pioneer Municipal High Income Trust and Pioneer Municipal High Income Advantage Trust and Class I Trustees to the Board of Pioneer High Income Trust.

Recommendation

For the reasons set forth above, the Trustees of your fund unanimously recommend that shareholders vote FOR each of Ms. Bush, Mr. Perna and Ms. Piret.

### PROPOSAL 2

TO APPROVE AN AMENDED AND RESTATED MANAGEMENT AGREEMENT  
WITH PIONEER INVESTMENT MANAGEMENT, INC.

Introduction

You are being asked to approve an amended and restated management agreement ("Amended and Restated Management Agreement") between your fund and its investment adviser, Pioneer. The 1940 Act requires that each management

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

agreement for a fund and any material amendments thereto be approved by the shareholders of the fund in order for it to become effective. At a meeting of the Board of Trustees held on July 14, 2009, and for the reasons discussed below (see "Board Evaluation of the Amended and Restated Management Agreement"), the Trustees, including a majority of the Independent Trustees, approved the Amended and Restated Management Agreements for your fund and recommended its approval by the shareholders of the fund. If the shareholders of a fund do not approve the Amended and Restated Management Agreement, Pioneer will continue to manage the fund pursuant to the terms of the fund's existing management agreement ("Current Management Agreement").

The Trustees recommend that the shareholders vote in favor of this proposal because the Amended and Restated Management Agreement updates the terms of your fund's Current Management Agreement to reflect current industry practices. The Amended and Restated Management Agreement will standardize the terms of the management agreements for all of the funds. Adopting standard terms for all management agreements is expected to streamline the Trustees' approval of management agreements in the future and the Trustees' and management's administration and monitoring of performance of the management agreements. There will be no decrease in services provided by Pioneer and no increase in management fees under any fund's Amended and Restated Management Agreement.

### Investment Adviser

Pioneer serves as the investment adviser to each of the funds. Under the Current Management Agreement with each fund, Pioneer regularly provides the fund with investment research, advice and supervision, and furnishes continuously an investment program for the fund. Under the Amended and Restated Management Agreement, if approved, Pioneer will provide the same services and a continuous investment program for each fund. Pioneer is a direct, wholly-owned subsidiary of Pioneer Investment Management USA Inc. and an indirect, wholly-owned subsidiary of UniCredit S.p.A., one of the largest banking groups in Italy. Pioneer is part of the global asset management group providing investment management and financial services to mutual funds and institutional and other clients. Pioneer is located at 60 State Street, Boston, Massachusetts 02109.

The name and principal occupation of the directors and principal executive officer of Pioneer are as set forth below. The principal address of each individual as it relates to his duties at Pioneer is the same as that of Pioneer. No Trustee of any fund, except as noted below, is a director, officer or employee of Pioneer.

Name and Position with Pioneer	Principal Occupation
Daniel K. Kingsbury President, Chief Executive Officer and Director	Director, CEO and President of Pioneer Investment Management USA Inc. (since February 2007); Director, CEO and President of Pioneer Investment Management, Inc. and Pioneer Institutional Asset Management, Inc. (since February 2007); Executive

Vice President of all of the Pioneer Funds (since March 2007); Director of Pioneer Global Asset Management S.p.A. (since April 2007); Head of New Markets Division, Pioneer Global Asset Management S.p.A. (2000-2007)

---

---

John F. Cogan, Jr. Director	Deputy Chairman and a Director of Pioneer Global Asset Management S.p.A. ("PGAM"); Non-Executive Chairman and a Director of Pioneer Investment Management USA Inc. ("PIM-USA"); Chairman and a Director of Pioneer; Chairman and Director of Pioneer Institutional Asset Management, Inc. (since 2006); Director of Pioneer Alternative Investment Management Limited (Dublin); President and a Director of Pioneer Alternative Investment Management (Bermuda) Limited and affiliated funds; Director of PIOGLOBAL Real Estate Investment Fund (Russia) (until June 2006); Director of Nano-C, Inc. (since 2003); Director of Cole Management Inc. (since 2004); Director of Fiduciary Counseling, Inc.; President and Director of Pioneer Funds Distributor, Inc. ("PFD") (until May 2006); President of all of the Pioneer Funds; and Of Counsel, Wilmer Cutler Pickering Hale and Dorr LLP
--------------------------------	--

---

Certain Trustees or officers of the funds also are directors and/or officers of certain of UniCredit S.p.A.'s subsidiaries.

Set forth below are the date of each Current Management Agreement, the

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

date on which the agreement was last approved by the Trustees of the applicable fund, the contractual investment advisory fees payable to Pioneer as investment adviser to the fund and aggregate advisory fees paid to Pioneer during the last fiscal year. The Current Management Agreement for each fund was approved by the sole initial shareholder of the fund prior to public offering of the fund.

Fund	Date of Current Management Agreement	Date Last Approved by Trustees	Fees (calculated as a percent per annum of the fund's average daily managed assets)	Aggregate advisory fees paid during the last fiscal year
Pioneer Diversified High Income Trust	7/20/2007	11/10/2008	0.85%	\$1,645,472
Pioneer Floating Rate Trust	12/22/2004	11/10/2008	0.70%	\$4,186,099
Pioneer High Income Trust	4/1/2002	11/10/2008	0.60%	\$2,661,283
Pioneer Municipal High Income Trust	7/17/2003	11/10/2008	0.60%	\$2,196,502
Pioneer Municipal High Income Advantage Trust	10/15/2003	11/10/2008	0.60%	\$2,456,581

Comparison of Amended and Restated Management Agreement with Current Management Agreements

Set forth below is a general description of the terms of the Amended and Restated Management Agreement and a general comparison with the terms of the Current Management Agreements. A detailed comparison of the terms of the Amended and Restated Management Agreement and the Current Management Agreements is set forth in Exhibit A. You should refer to the copy of the form of Amended and Restated Management Agreement in Exhibit B for the complete terms of the Amended and Restated Management Agreement.

Investment Management Services. The Amended and Restated Management

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Agreement of each fund provides that, subject to the supervision of the fund's Trustees, Pioneer regularly provides the fund with investment research, advice, management and supervision, and furnishes a continuous investment program for the fund's portfolio of securities and other investments consistent with the fund's investment objectives, policies and restrictions. Pioneer determines from time to time what securities and other investments will be purchased, retained or sold by the fund and implements those decisions, all subject to the provisions of each fund's governing documents, the 1940 Act and any specific policies adopted by the fund's Trustees. The Current Management Agreement for each fund requires that Pioneer provide management services of the same nature and scope as the services to be provided to the fund under the Amended and Restated Management Agreement.

Under the Amended and Restated Management Agreement, Pioneer is authorized to place orders pursuant to its investment determinations for the fund either directly with the issuer or with any broker or dealer, foreign currency dealer, futures commission merchant or others selected by it. Except as described in the Amended and Restated Management Agreement, Pioneer will seek the best execution available in the selection of brokers and dealers and the placing of orders for the fund. In assessing the best execution available for any transaction, Pioneer may consider factors it deems relevant, including the size and type of transaction, the nature and character of the markets for the security to be purchased or sold, the execution capabilities and financial condition of the broker or dealer, and the reasonableness of the commission or dealer spread, if any (whether for a specific transaction or on a continuing basis). Subject to applicable law, Pioneer may select brokers or dealers who also provide brokerage and research services (as those terms are defined in Section 28(e) of the Securities Exchange Act of 1934, as amended (the "Exchange Act")) to the fund and/or the other accounts over which Pioneer or its affiliates exercise investment discretion. Pioneer is authorized to pay a broker or dealer who provides such brokerage and research services a commission for executing a portfolio transaction for the fund which is in excess of the amount of commission or spread another broker or dealer would have charged for effecting that transaction if Pioneer determines in good faith that such amount of commission is reasonable in relation to the value of the brokerage and research services provided by that broker or dealer. This determination may be viewed either in terms of that particular transaction or the overall responsibilities that Pioneer and its affiliates have with respect to accounts over which they exercise investment discretion. The Current Management Agreements contain similar provisions.

The Amended and Restated Management Agreement provides that Pioneer will provide advice and recommendations with respect to other aspects of the business and affairs of the fund, and exercise voting rights, rights to consent to corporate action and any other rights pertaining to the fund's portfolio securities, subject to such direction as the Trustees may provide, and will perform such other functions of investment management and supervision as may be directed by the Trustees. The Current Management Agreements do not contain similar provisions, but Pioneer currently provides to the funds services of the types described in the preceding sentence.

The Amended and Restated Management Agreement contains a clarification, not included in the Current Management Agreements, that Pioneer shall not be deemed to have assumed or have responsibility for any functions specifically assumed by any administrator, transfer agent, fund accounting agent, custodian, shareholder servicing agent or other agent employed by the fund to perform such functions.

Fees. Under the Current Management Agreement for each fund, the fund pays Pioneer, as compensation for its services, a fee computed at an annual rate as shown above. The fee payable by each fund under the Amended and Restated

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Management Agreement will be computed at the same annual rate. There is no change in the fee payable by any fund under the Amended and Restated Management Agreement. However, as discussed below, certain changes that would standardize the terminology of the management fee provision are proposed.

Under each Current Management Agreement, the fund pays Pioneer a fee based on the fund's "managed assets." The definition of "managed assets" in each Current Management Agreement is slightly different. The Amended and

Restated Management Agreement provides a uniform definition of "managed assets" most similar to the definition used in the Current Management Agreement for Pioneer Diversified High Income Trust.

In addition, each Current Management Agreement, other than the Current Management Agreement for Pioneer High Income Trust, provides that the fee is to be based on the fund's average daily "managed assets." The Current Management Agreement for Pioneer High Income Trust provides for the fee to be based on the average weekly "managed assets." The Amended and Restated Management Agreement provides for each fund's management fee to be based on the fund's average daily "managed assets."

A comparison of the current and proposed definitions of "managed assets" is set forth in Exhibit A. The proposed changes to the definition of "managed assets" would not increase the management fee paid by any fund.

Payment of Expenses. Each Current Management Agreement provides that Pioneer will pay or reimburse the applicable fund for all expenses not specifically assumed by the fund in the Current Management Agreements where such expenses are incurred by Pioneer or the fund in connection with the management of the affairs of, and the investment and reinvestment of the assets of, the fund, and that the fund will assume and pay for certain charges and expenses of the fund, including without limitation accounting, pricing and appraisal services, charges and expenses of auditors, the custodian, transfer agent, plan agent, dividend disbursing agent or registrar, taxes, insurance premiums, registration fees, expenses of shareholders' and Trustees' meetings, costs of printing and distributing prospectuses, notices, proxies and reports, listing fees and brokers' and underwriting commissions.

The Amended and Restated Management Agreement requires Pioneer to furnish all necessary services, facilities and personnel in connection with the performance of its services under the Amended and Restated Management Agreement, and states that, except as specifically indicated therein, Pioneer is not responsible for any of the fund's ordinary or extraordinary expenses. Pioneer also serves as each fund's administrator pursuant to a separate agreement, and concurrently with execution of the Amended and Restated Management Agreement, Pioneer will enter into an amended and restated administration agreement with the fund. The amended and restated administration agreement will provide that Pioneer will pay or reimburse each fund for all expenses not specifically assumed by the fund under that agreement, and that the fund will assume and pay for charges and expenses of the fund to the same extent the fund pays charges and expenses under the applicable Current Management Agreement. If the Amended and Restated Management Agreement had been in effect for any fund for the last two years in lieu of the Current Management Agreement, expenses paid by the fund would have been the same as the actual expenses paid by the fund under its Current Management Agreement. Pioneer will continue to be obligated to pay or



## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

reimburse fund expenses not specifically assumed by the fund, but pursuant to the amended and restated administration agreement rather than pursuant to the Amended and Restated Management Agreement. Unlike the Amended and Restated Management Agreement, the administration agreement may be entered into, and subsequently amended, by agreement of the administrator and the Trustees, without shareholder approval. Consequently, one effect of moving the expense reimbursement/payment obligations from the management agreement to the amended and restated administration agreement will be to authorize the Trustees to reallocate expense payment obligations to the funds without shareholder approval.

The Current Management Agreement for each fund requires Pioneer to pay or reimburse the fund for any compensation paid by the fund to Trustees or officers who are affiliated with or "interested persons" (as defined in the 1940 Act) of Pioneer. The Amended and Restated Management Agreement states that Pioneer will pay or reimburse the fund for compensation paid to the Trustees who are affiliated persons of Pioneer and officers of the fund as such, except as the Trustees may decide. The funds will continue to be responsible for the payment of compensation to the Independent Trustees.

The Amended and Restated Management Agreement acknowledges that Pioneer may provide other services, such as administrative services, to a fund pursuant to separate contracts approved by the Trustees and receive compensation for such services as specified in the contracts. The Current Management Agreements do not explicitly address the provision of additional services.

Investment Subadvisers. The Amended and Restated Management Agreement authorizes Pioneer or a fund to enter into contracts with investment subadvisers (including affiliates of Pioneer). Pioneer is not accountable to the fund or shareholders for any loss or liability relating to specific investments selected by the subadviser. The Current

Management Agreements contain similar provisions. If Pioneer contracts with a subadviser, as permitted under the Amended and Restated Management Agreement, Pioneer would pay the subadvisory fees, unless the Trustees agree otherwise.

Potential Conflicts of Interest. The Amended and Restated Management Agreement specifically provides that personnel of Pioneer, even if serving the fund as a Trustee, officer or employee, may engage in any other business or devote his or her time and attention in part to the management or other aspects of any other business, whether of a similar nature or a dissimilar nature. Pioneer may engage in any other business or render services of any kind, including investment advisory and management services, to any other fund, firm, individual or association. The Current Management Agreements contain similar provisions but do not specifically address the ability of any Pioneer director, officer or employee to engage in any other business or render services of any kind. Pioneer's Code of Ethics, which remains in effect, states Pioneer's policy that advisory persons and others subject to the Code of Ethics must conduct themselves in such a manner as to avoid any actual or potential conflict of interest with any client of Pioneer.

The Amended and Restated Management Agreement also provides that if the purchase or sale of securities consistent with the investment policies of the fund and one or more other accounts of Pioneer are considered at or about the same time, transactions in such securities must be allocated among the accounts in a manner deemed equitable by Pioneer. Such transactions may be combined, in accordance with applicable laws and regulations, consistent with Pioneer's policies and procedures as presented to each fund's Trustees from time to time. The Current Management Agreement for each fund also authorizes

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Pioneer to aggregate securities sold or purchased for the fund and other clients of Pioneer, to the extent permitted by law, to obtain the best execution. In such cases, Pioneer allocates the securities, as well as related expenses, in a manner it considers the most equitable and consistent with its fiduciary obligations.

**Limitation on Liability.** The Amended and Restated Management Agreement states that Pioneer assumes no responsibility other than to render the services called for by the agreement, in good faith, and that Pioneer will not be liable for any loss or other liability arising out of any investment or for any act or omission in the execution of securities or other transactions for the fund. This limitation of liability applies to affiliates, partners, shareholders, directors, officers and employees of Pioneer and its affiliates who may perform services for the fund contemplated by the Amended and Restated Management Agreement. None of Pioneer nor any other such person is protected, however, from liability by reason of its willful misfeasance, bad faith or gross negligence in the performance of its duties or by reason of its reckless disregard of its obligations and duties under the Amended and Restated Management Agreement. The Current Management Agreements state that Pioneer will not be liable for any error of judgment or mistake of law or any loss incurred by reason of the adoption of any investment policy or the purchase, sale or retention of any security or any recommendation of Pioneer, except that Pioneer is not protected against liability to the fund or its shareholders by reason of its willful misfeasance, bad faith or gross negligence or reckless disregard of its obligations and duties under the agreement. The Current Management Agreements do not explicitly limit the liability of affiliates, partners, shareholders, directors, officers and employees of Pioneer.

**Term and Continuance.** Each Current Management Agreement has been in effect for an initial term and for successive one-year periods subject to such continuance being approved annually in the manner required by the 1940 Act. Accordingly, each Current Management Agreement will terminate on December 31, 2009 unless its continuance for another year is approved in accordance with the 1940 Act prior to December 31, 2009. If approved by a fund's shareholders, the fund's Amended and Restated Management Agreement also will terminate on December 31, 2009, unless its continuance for another year is approved in accordance with the 1940 Act prior to December 31, 2009. Thereafter, if not terminated, the Amended and Restated Management Agreement will continue in effect from year to year if such continuance is specifically approved at least annually (a) by the Board, or (b) by a vote of a majority of the outstanding voting securities of the fund, provided that in either event the continuance also is approved by a majority of the Trustees who are not interested persons of a party to the Amended and Restated Management Agreement.

**Termination.** The Amended and Restated Management Agreement may be terminated with respect to a fund at any time, without the payment of any penalty, by the Board or by vote of a majority of the outstanding voting securities of the fund, upon not more than sixty (60) days' and not less than thirty (30) days' written notice to Pioneer, or by Pioneer upon not less than sixty (60) days' written notice to the fund. The Amended and Restated Management Agreement will terminate automatically in the event of its "assignment" (as defined in the 1940 Act).

The Current Management Agreements may be terminated by the Board or Pioneer on sixty (60) days' notice, and terminate automatically upon assignment.

Board Evaluation of the Amended and Restated Management Agreement  
At meetings held on May 16, 2009 and July 14, 2009, the Trustees

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

considered whether to approve an Amended and Restated Management Agreement between Pioneer and each fund. Based on their evaluation of the information provided by Pioneer, including the information provided by Pioneer in connection with the Trustees' most recent approval of the continuation of the Current Management Agreement for each fund, the Trustees, including the Independent Trustees voting separately, unanimously approved the Amended and Restated Management Agreement for each fund.

In March 2008, the Trustees agreed on, among other things, an overall approach and timeline for the process by which they would evaluate the continuation of the Current Management Agreements. In July 2008, the Trustees approved the format of the contract renewal materials and submitted their formal request to Pioneer to furnish information necessary to evaluate the terms of the Current Management Agreements. The contract renewal materials were provided to the Trustees in August 2008. After reviewing and discussing the materials, the Trustees submitted a request for additional information to Pioneer in September, and materials were provided in response to this request later that month. Meetings of the Independent Trustees were held in September and October 2008 to review and discuss the contract renewal materials. At a meeting held on November 11, 2008, based on their evaluation of the information provided by Pioneer, the Trustees of each fund, including the Independent Trustees voting separately, unanimously approved the continuation of the Current Management Agreement for the fund. At meetings held on May 16, 2009 and July 14, 2009, the Trustees considered the terms of the Amended and Restated Management Agreement and considered, for each fund, the differences between the Amended and Restated Management Agreement and the Current Management Agreement in effect for the fund.

In considering the continuation of the Current Management Agreements and the approval of the Amended and Restated Management Agreement, the Trustees considered various factors that they determined were relevant, including the factors described below. The Trustees did not identify any single factor as the controlling factor in determining to continue the Current Management Agreements or approve the Amended and Restated Management Agreement.

**Nature, Extent and Quality of Services.** The Trustees considered the nature, extent and quality of the services provided by Pioneer to each fund under the Current Management Agreement for the fund and that would continue to be provided by Pioneer to the fund under the Amended and Restated Management Agreement, taking into account the investment objective and strategy of the fund and the information related to the fund provided to the Trustees at each regularly scheduled meeting. The Trustees reviewed the terms of the Current Management Agreement and the Amended and Restated Management Agreement. The Trustees also reviewed Pioneer's investment approach for each fund and its research process. They noted that, like the Current Management Agreement, the Amended and Restated Management Agreement would terminate on December 31, 2009 unless it was continued in accordance with the 1940 Act. The Trustees also considered the resources of Pioneer and the personnel of Pioneer who provide and would continue to provide investment management services to each fund, as well as Pioneer's compliance and legal resources and personnel.

In addition, the Trustees considered the other services that Pioneer provided to each fund under the Current Management Agreement for the fund and that Pioneer would continue to provide to the fund under the Amended and Restated Management Agreement and that, as administrator, Pioneer would continue to be responsible for the administration of the fund's business and other affairs. It was noted that Pioneer supervises and monitors the performance of each fund's service providers and provides each fund with personnel (including officers) as are necessary for the fund's operations.

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

The Trustees considered the fees paid to Pioneer for the provision of such services.

Based on these considerations, with respect to each fund, the Trustees concluded that the nature, extent and quality of services that Pioneer would continue to provide to the fund under the Amended and Restated Management Agreement were satisfactory and consistent with the terms of the Amended and Restated Management Agreement.

Performance of the Fund. The Trustees considered the performance results of each fund over various time periods. They reviewed information comparing each fund's performance with the average performance of its peer

group of funds as classified by Morningstar, Inc. ("Morningstar"), an independent provider of investment company data, and with the performance of the fund's benchmark index. The Trustees considered each fund's annualized total return relative to the total returns of its peer group.

The Trustees concluded that the investment performance of each of Pioneer Diversified High Income Trust and Pioneer High Income Trust was satisfactory.

The Trustees noted that Pioneer Municipal High Income Trust and Pioneer Municipal High Income Advantage Trust each underperformed relative to its respective peer group and benchmark index. The Trustees discussed the reasons for each fund's underperformance with Pioneer, and believed each fund's performance was materially affected by the unfavorable market conditions. The Trustees agreed that they would continue to monitor closely the performance of Pioneer Municipal High Income Trust and Pioneer Municipal High Income Advantage Trust.

The Trustees noted that Pioneer Floating Rate Trust underperformed relative to its peer group and benchmark index. Because the Trustees determined not to renew the sub-advisory agreement that had been in effect for the fund, they also considered the performance of another fund managed by Pioneer with similar investment objectives and strategies as the fund. The Trustees noted that the other fund managed by Pioneer with similar investment objectives and strategies as the fund did not employ leverage and the impact that the fund's leverage had on the fund's performance results. The Trustees concluded that the investment performance of the other fund managed by Pioneer with similar investment objectives and strategies as the fund was satisfactory.

Management Fee and Expenses. The Trustees considered information on the fees and expenses of each fund in comparison to the management fees of its peer group of funds as classified by Morningstar and the expense ratios of a peer group of funds selected on the basis of criteria determined by the Independent Trustees for this purposes using data provided by Strategic Insight Mutual Portfolio Research and Consulting, LLC ("Strategic Insight"), an independent third party.

In considering the continuation of the Current Management Agreements, the Trustees considered each fund's management fee for the twelve months ended June 30, 2008 relative to the management fees paid by other funds in its peer group Morningstar category for the comparable period. The Trustees also considered each fund's expense ratio for the twelve months ended June 30, 2008 relative to those of its Strategic Insight peer group.

With respect to each fund, the Trustees concluded that the management fee payable by the fund to Pioneer was reasonable in relation to the nature and

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

quality of services provided, taking into account the fees charged by other advisers for managing comparable funds with similar strategies. The Trustees also concluded that each fund's expense ratio was reasonable, taking into account the size of the fund, the quality of services provided and to be provided by Pioneer and the investment performance of the fund.

**Profitability.** In considering the continuation of the Current Management Agreements, the Trustees reviewed information provided by Pioneer regarding the profitability of Pioneer with respect to the advisory services provided by Pioneer to each fund, including the methodology used by Pioneer in allocating certain of its costs to the management of each fund. The Trustees also considered Pioneer's profit margin in connection with the overall operation of each fund. They further reviewed the financial results realized by Pioneer and its affiliates from non-fund businesses. The Trustees considered Pioneer's profit margins with respect to each fund in comparison to the limited industry data available and noted that the profitability of any adviser was affected by numerous factors, including its organizational structure and method for allocating expenses. The Trustees recognized that, with respect to each fund, Pioneer should be entitled to earn a reasonable level of profit for the services provided to the fund. The Trustees concluded that Pioneer's profitability with respect to the management of each fund was not unreasonable.

**Economies of Scale.** In considering the continuation of the Current Management Agreements, the Trustees considered the extent to which Pioneer may realize economies of scale or other efficiencies in managing and supporting each fund. Since each fund is a closed-end fund and its size is relatively stable at the level of assets that were anticipated when the management fee was initially set, the Trustees concluded that economies of scale were not a relevant consideration.

**Other Benefits.** The Trustees also considered the character and amount of fees paid or to be paid by each fund for services provided by Pioneer and its affiliates. In considering the continuation of the Current Management Agreements, the Trustees further considered the revenues and profitability of

Pioneer's businesses other than the fund business. The Trustees concluded that the receipt of these benefits was reasonable in the context of the overall relationship between Pioneer and the fund.

The Trustees evaluated all information available to them on a fund-by-fund basis, and their determinations were made separately in respect of each fund. The Trustees also based their decisions on the foregoing considerations, among others, although they did not identify any that was all-important or controlling of their discussions, and each Trustee attributed different weights to the various factors.

### Other Service Providers

Pioneer Investment Management Shareholder Services, Inc., (PIMSS) 60 State Street, Boston, Massachusetts 02109, acts as shareholder servicing and transfer agent for the funds. PIMSS has retained American Stock Transfer & Trust Company to provide sub-transfer agent and sub-dividend dispersing agent services for the funds.

Pioneer also has entered into an administration agreement with each fund, pursuant to which certain accounting, administration and legal services are performed by Pioneer.

Princeton Administrators, LLC (Princeton) provides certain administrative

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

and accounting services to each fund. Princeton receives a monthly fee at an annual rate of 0.07% of the average daily value of each fund's managed assets up to \$500 million and 0.03% of average daily managed assets in excess of \$500 million, subject to a minimum monthly fee of \$10,000.

### Additional Information

The table set forth below shows amounts, other than management fees, paid to Pioneer and to affiliates of Pioneer during the most recent fiscal year by each fund for the services noted therein. There were no other material payments by any fund to Pioneer or any of its affiliates during that period. No other person served as manager to any fund during that period.

Fund	Administration Fees	Transfer Agency and Shareholder Service Fees	Fiscal Year End
Pioneer Diversified High Income Trust	\$188,855	\$61,243	4/30/09
Pioneer Floating Rate Trust	\$482,974	\$60,390	11/30/08
Pioneer High Income Trust	\$115,790	\$68,304	3/31/09
Pioneer Municipal High Income Trust	\$359,742	\$38,031	4/30/09
Pioneer Municipal High Income Advantage Trust	\$394,437	\$40,311	3/31/09

Pioneer provides investment management services to other funds that may have investment objectives and policies similar to those of certain of the funds. The table set forth as Exhibit C lists such other funds advised by Pioneer, the net assets of those funds and the management fees payable by each fund to Pioneer as a percentage of its average daily net assets.

### Required Vote

To become effective with respect to a particular fund, the Amended and Restated Management Agreement must be approved by a "1940 Act Majority Vote" of the outstanding voting securities of Common and Preferred Shares of the fund present in person or by proxy at the meeting at which a quorum exists, voting together or as a single class. A "1940 Act Majority Vote" of the outstanding voting securities of a fund means the affirmative vote of the lesser of (a) 67% or more of the voting power of the voting securities of the fund that are present at the meeting or represented by proxy if holders of shares representing more than 50% of the voting power of the outstanding voting

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

securities of the fund are present or represented by proxy or (b) more than 50% of the voting power of the outstanding voting securities of the fund.

If the required approval for Proposal 2 is not obtained with respect to a fund, the Current Management Agreement for that fund will continue in effect. If Proposal 2 is approved with respect to a fund, the Amended and Restated Management Agreement will go into effect on October 1, 2009.

### Recommendation

For the reasons set forth above, the Trustees of your fund unanimously recommend that shareholders vote FOR the proposal to approve the Amended and Restated Management Agreement.

### AUDITOR INFORMATION

Each fund's Board of Trustees has selected Ernst & Young LLP as the independent registered public accounting firm for the fund.

### Audit fees

The following are aggregate fees billed for professional services rendered by Ernst & Young LLP for its audit of each fund's annual financial statements and fees related to services that are normally provided by Ernst & Young LLP in connection with statutory and regulatory filings for the two most recent fiscal years. All of these services were pre-approved by the audit Committee of each fund pursuant to Regulation S-X.

	For the fiscal year ended 3/31/2009	For the fiscal year ended 3/31/2008
Pioneer High Income Trust	\$59,242.00	\$55,650.00
Pioneer Municipal High Income Advantage Trust	\$59,242.00	\$55,650.00
	For the fiscal year ended 4/30/2009	For the fiscal year ended 4/30/2008
Pioneer Diversified High Income Trust	\$49,590.00	\$49,590.00
Pioneer Municipal High Income Trust	\$59,242.00	\$55,650.00
	For the fiscal year ended 11/30/2008	For the fiscal year ended 11/30/2007
Pioneer Floating Rate Trust	\$101,642.00	\$62,840.00

### Audit-related fees

The following are aggregate fees billed for assurance and related services by Ernst & Young LLP to each fund that are related to the review of each fund's semi-annual financial statements and agreed upon procedures

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

related to the ratings of each fund's Preferred Shares (if any) for the two most recent fiscal years. All of these services were approved by the Audit Committee of each fund pursuant to Regulation S-X.

	For the fiscal year ended 3/31/2009	For the fiscal year ended 3/31/2008
Pioneer High Income Trust	\$9,652.00	\$9,285.00
Pioneer Municipal High Income Advantage Trust	\$9,652.00	\$9,652.00
	For the fiscal year ended 4/30/2009	For the fiscal year ended 4/30/2008
Pioneer Diversified High Income Trust	\$0.00	\$0.00
Pioneer Municipal High Income Trust	\$9,652.00	\$9,285.00
	For the fiscal year ended 11/30/2008	For the fiscal year ended 11/30/2007
Pioneer Floating Rate Trust	\$9,652.00	\$9,285.00

### Tax fees

The following are aggregate fees billed for professional services, primarily for tax returns, rendered by Ernst & Young LLP for tax compliance, tax advice and tax planning to each fund for the two most recent fiscal years. All of these services were pre-approved by the Audit Committee of each fund pursuant to Regulation S-X.

	For the fiscal year ended 3/31/2009	For the fiscal year ended 3/31/2008
Pioneer High Income Trust	\$8,290.00	\$7,820.00
Pioneer Municipal High Income Advantage Trust	\$8,290.00	\$7,820.00
	For the fiscal year ended 4/30/2009	For the fiscal year ended 4/30/2008
Pioneer Diversified High Income Trust	\$8,290.00	\$7,820.00
Pioneer Municipal High Income Trust	\$8,290.00	\$7,820.00
	For the fiscal year ended 11/30/2008	For the fiscal year ended 11/30/2007
Pioneer Floating Rate Trust	\$8,290.00	\$7,820.00

### All other fees

There were no fees billed for other services rendered by Ernst & Young LLP to the funds.

Affiliates' Fees for Non-Audit Services Required to be Pre-Approved



Each fund's Audit Committee is required to pre-approve services to affiliates as defined by SEC rules to the extent that the services relate directly to the operations or financial reporting of the fund. Affiliates include the fund's investment adviser and any entity controlling, controlled by, or under common control with the adviser that provides ongoing services to the fund (hereinafter referred to as "affiliates" of the fund). For the fiscal years ended March 31, 2009 and 2008, for Pioneer High Income Trust and Pioneer Municipal High Income Advantage Trust, there were no services provided to an affiliate that required the fund's audit committee pre-approval. For the fiscal years ended April 30, 2009 and 2008, for Pioneer Municipal High Income Trust, there were no services provided to an affiliate that required the fund's Audit Committee pre-approval. For the fiscal year ended April 30, 2009, for Pioneer Diversified High Income Trust, there were no services provided to an affiliate that required the fund's audit committee pre-approval. For the fiscal years ended November 30, 2008 and 2007, for Pioneer Floating Rate Trust, there were no services provided to an affiliate that required the fund's audit committee pre-approval.

#### General Audit Committee Approval Policy

- o For all projects, each of the officers of the funds and the funds' independent registered public accounting firm will make an assessment to determine that any proposed projects will not impair independence.
- o Potential services will be classified into the four non-restricted service categories and the "Approval of Audit, Audit-Related, Tax and Other Services" Policy will be applied. Any services outside the specific pre-approval service subcategories set forth above must specifically be approved by the Audit Committee.
- o At least quarterly, the Audit Committee shall review a report summarizing the services by service category, including fees, provided by the independent registered public accounting firm as set forth in the above policy.

The charter of each Audit Committee requires that the Audit Committee shall approve (a) all audit and non-audit services to be provided to each fund and (b) all non-audit services to be provided by the fund's independent public accounting firm to Pioneer and any entity controlling, controlled by or under common control with the investment adviser that provides ongoing services to the fund ("Covered Service Providers") if the engagement relates directly to the operations and financial reporting of the fund. The Audit Committee may delegate, to the extent permitted by law, pre-approved responsibilities to one or more members of the Audit Committee who shall report to the full Audit Committee.

No Audit Committee may approve non-audit services that the Audit Committee believes may impair the independence of the independent registered public accounting firm. Permissible non-audit services include any professional services (including tax services) that are not prohibited services as described below provided to the fund by the independent registered public accounting firm, other than those provided to a fund in connection with an audit or a review of the financial statements of the fund. Permissible non-audit services may not include (a) bookkeeping or other services related to the accounting records or financial statements of the fund; (b) financial information systems design and implementation; (c) appraisal or valuation services, fairness opinions or contribution-in-kind reports; (d) actuarial services; (e) internal audit outsourcing services; (f) management functions or human resources; (g) broker or dealer, investment adviser or investment banking services; (h) legal services and expert services unrelated to the audit; and (i) any other service the Public Company Accounting Oversight

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Board determines, by regulation, is impermissible.

Pre-approval by the Audit Committee of any permissible non-audit services is not required so long as: (a) the aggregate amount of all such permissible non-audit services provided to a fund, Pioneer and any Covered Service Provider constitutes not more than 5% of the total amount of revenues paid to the independent registered public accounting firm during the fiscal year in which the permissible non-audit services are provided to (i) the fund, (ii) Pioneer and (iii) any Covered Service Provider during the fiscal year in which services are provided that would not

have to be approved by the Audit Committee; (b) the permissible non-audit services were not recognized by the fund at the time of the engagement to be non-audit services; and (c) such services are promptly brought to the attention of the Audit Committee and approved by the Audit Committee (or its delegate(s)) prior to completion of the audit.

### Aggregate Non-Audit Fees

The aggregate non-audit fees billed by Ernst & Young LLP for services rendered to each fund and its affiliates, as previously defined, were as follows.

	For the fiscal year ended 3/31/2009	For the fiscal year ended 3/31/2008
Pioneer High Income Trust	\$17,942.00	\$17,942.00
Pioneer Municipal High Income Advantage Trust	\$17,942.00	\$17,942.00
	For the fiscal year ended 4/30/2009	For the fiscal year ended 4/30/2008
Pioneer Diversified High Income Trust	\$17,942.00	\$8,290.00
Pioneer Municipal High Income Trust	\$17,942.00	\$17,942.00
	For the fiscal year ended 11/30/2008	For the fiscal year ended 11/30/2007
Pioneer Floating Rate Trust	\$17,942.00	\$17,942.00

The Audit Committee of the Board of each fund has considered whether the provision of services, other than audit services, by Ernst & Young LLP to each fund and its affiliates is compatible with maintaining Ernst & Young LLP's independence in performing audit services.

Representatives of Ernst & Young LLP will be available at the shareholder meeting (either in person or via telephone), will have the opportunity to make a statement should they desire to do so, and will be available to answer questions.

### INFORMATION CONCERNING THE MEETINGS

#### Outstanding shares and quorum

As of the record date, July 9, 2009, the following Common and Preferred Shares of beneficial interest were outstanding for each fund:

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

	Common Shares	Preferred Shares
Pioneer Diversified High Income Trust	8,173,731	None
Pioneer Floating Rate Trust	24,428,148	Series M7 2,434 Series W7 2,432 Series TH7 2,432
Pioneer High Income Trust	27,536,488	Series M 2,020 Series W 2,020 Series TH 2,000
Pioneer Municipal High Income Advantage Trust	22,820,558	Series A 3,000 Series B 3,000
Pioneer Municipal High Income Trust	22,140,525	Series A 2,000 Series B 2,040

Only shareholders of record as of the record date are entitled to notice of and to vote at the meeting. The holders of one-third of the outstanding shares of each class of each fund, or one-third of the outstanding shares of each fund, entitled to vote in person or by proxy, counted together, shall constitute a quorum for the transaction of business with respect to such class of each fund or such fund, respectively.

Ownership of shares of the funds

To the knowledge of each fund, as of the record date, the following persons owned of record or beneficially 5% or more of a class of the outstanding shares of each class of a fund:

Pioneer Diversified High Income Trust

Record Holder	Share Class	Number of Shares	% of Class
Cede & Co (Fast Account) P.O. Box 20 Bowling Green Station New York, NY 10004	Common	8,150,016	99.71%

Pioneer Floating Rate Trust

Record Holder	Share Class	Number of Shares	% of Class
---------------	-------------	------------------	------------

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Cede & Co (Fast Account) P.O. Box 20 Bowling Green Station New York, NY 10004	Common	24,392,815	99.86%
--	--------	------------	--------

UBS Financial Services, Inc. Newport Center 3 499 Washington Blvd., 15th Floor Jersey City, NJ 07310-1995	Series M7	464	19.06%
--	-----------	-----	--------

	Series TH7	394	16.20%
--	------------	-----	--------

	Series W7	745	30.63%
--	-----------	-----	--------

Merrill Lynch 4804 Deer Lake Drive East 4th Floor Jacksonville, FL 32232-5286	Series M7	1,516	62.28%
--	-----------	-------	--------

	Series TH7	1,439	59.17%
--	------------	-------	--------

	Series W7	1,308	53.78%
--	-----------	-------	--------

Citigroup Global Markets, Inc. 333 West 34th Street 3rd Floor New York, NY 10001-2402	Series TH7	201	8.26%
---	------------	-----	-------

	Series M7	348	14.30%
--	-----------	-----	--------

Oppenheimer/Fahnestock 125 Broad Street 16th Floor New York, NY 10004-2464	Series TH7	398	16.37%
---	------------	-----	--------

	Series W7	282	11.60%
--	-----------	-----	--------

Pioneer High Income Trust

Record Holder	Share Class	Number of Shares	% of Class
---------------	-------------	------------------	------------

Cede & Co (Fast Account) P.O. Box 20 Bowling Green Station New York, NY 10004	Common	27,430,967	99.62%
--	--------	------------	--------

UBS Financial Services, Inc. Newport Center 3 499 Washington Blvd., 15th Floor Jersey City, NJ 07310-1995	Series M	267	13.22%
--	----------	-----	--------

	Series W	390	19.31%
--	----------	-----	--------

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Credit Suisse First Boston  
 11 Madison Avenue  
 New York, NY  
 10010-3629

Series M 789 39.06%

Series W 110 5.45%

Series TH 704 35.20%

Merrill Lynch  
 4804 Deer Lake Drive East  
 4th Floor  
 Jacksonville, FL 32232-5286

Series M 182 9.01%

Series W 749 37.08%

Series W 163 8.07%

Citigroup Global Markets, Inc.  
 333 West 34th Street 3rd Floor  
 New York, NY 10001-2402

Series M 232 11.49%

Series TH 459 22.95%

Oppenheimer/Fahnestock  
 125 Broad Street  
 16th Floor  
 New York, NY 10004-2464

Series W 300 14.85%

Jeffries & Company Inc.  
 Harborside Financial Center  
 Plaza III, Suite 705  
 Jersey City, NJ 07311-0000

Series M 532 26.34%

Series TH 652 32.60%

Morgan Stanley GWM  
 1585 Broadway  
 New York, NY 10036

Series W 284 14.06%

Pioneer Municipal High Income Advantage Trust

Record Holder	Share Class	Number of Shares	% of Class
Cede & Co (Fast Account) P.O. Box 20 Bowling Green Station	Common	22,817,399	99.67%

# Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

New York, NY 10004

-----  
 UBS Financial Services, Inc.  
 Newport Center 3  
 499 Washington Blvd., 15th Floor Series A 850 28.33%  
 Jersey City, NJ 07310-1995

-----  
 Series B 1,295 43.17%  
 -----

Merrill Lynch  
 4804 Deer Lake Drive East, 4th  
 Floor Series A 414 13.80%  
 Jacksonville, FL 32232-5286

-----  
 Series B 246 8.20%  
 -----

Wells Fargo Advisors, LLC  
 One North Jefferson Series A 212 7.07%  
 St. Louis, MO 63103

-----  
 Series B 423 14.10%  
 -----

Oppenheimer/Fahnestock  
 125 Broad Street 16th Floor Series A 993 33.10%  
 New York, NY 10004-2464

-----  
 Series B 826 27.53%  
 -----

-----  
 Jeffries & Company Inc.  
 Harborside Financial Center  
 Plaza III, Suite 705 Series B 97 3.23%  
 Jersey City, NJ 07311-0000

Morgan Stanley GWM  
 1585 Broadway Series A 302 10.07%  
 New York, NY 10036

-----  
 Series B 113 3.77%  
 -----

Pioneer Municipal High Income Trust

-----  

Record Holder	Share Class	Number of Shares	% of Class
Cede & Co (Fast Account)	Common	27,430,967	99.62%
P.O. Box 20			
Bowling Green Station			
New York, NY 10004			

 -----

-----  
 UBS Financial Services, Inc.

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Newport Center 3 499 Washington Blvd., 15th Floor Jersey City, NJ 07310-1995	Series A	903	45.15%
	Series B	559	27.40%
Oppenheimer/Fahnestock 125 Broad Street, 16th Floor New York, NY 10004-2464	Series A	501	25.05%
	Series B	646	31.67%
Merrill Lynch 4804 Deer Lake Drive East, 4th Floor Jacksonville, FL 32232-5286	Series A	174	8.70%
	Series B	155	7.60%
Morgan Keegan 50 North Front Street Memphis, TN 38103-2126	Series A	196	9.80%
	Series B	227	11.13%
Wells Fargo Advisors, LLC One North Jefferson St. Louis, MO 63103	Series A	154	7.70%
Jeffries & Company Inc. Harborside Financial Center Plaza III, Suite 705 Jersey City, NJ 07311-0000	Series B	207	10.15%
Morgan Stanley GWM 1585 Broadway New York, NY 10036	Series B	156	7.65%

### Shareholder proposals

Under Rule 14a-8 of the Exchange Act (relating to shareholder proposals), any shareholder proposal that may properly be included in your fund's proxy statement for the 2010 annual meeting, must be received by the Secretary of the fund at the fund's principal offices at 60 State Street, Boston, Massachusetts 02109 at least 120 calendar days

prior to the anniversary of the date of mailing of the fund's proxy statement for the 2009 annual meeting, or on or before April 16, 2010. A proposal that is not to be included in a fund's proxy statement may be made at the 2010 annual meeting for such fund only if it is received by the Secretary of the fund at the fund's principal offices at 60 State Street, Boston, Massachusetts 02109 not more than 120 days and at least 90 days before the anniversary date of the mailing of the fund's proxy materials for 2009 annual meeting provided, however,

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

that in the event that the date of the mailing of the notice for the 2010 annual meeting for a fund is advanced or delayed by more than thirty (30) days from the anniversary date of the mailing of the notice for 2009 annual meeting, notice by a shareholder to be timely must be so delivered not earlier than the close of business on the 120th day prior to the date of mailing of the notice for the 2010 annual meeting and not later than the close of business on the later of the 90th day prior to the date of mailing of the notice for the 2010 annual meeting or the 10th day following the day on which public announcement of the date of mailing of the notice for the 2010 meeting is first made by the fund. The fund's By-laws require that certain information must be provided by the shareholder to the fund when notice of a nominee for election as a Trustee or proposal is submitted to the fund.

The submission by a shareholder of a proposal for inclusion in a proxy statement does not guarantee that it will be included. Each of Pioneer Diversified High Income Trust, Pioneer Floating Rate Trust, Pioneer High Income Trust, Pioneer Municipal High Income Trust and Pioneer Municipal High Income Advantage Trust currently expect to hold the next annual shareholders' meeting on or about September 22, 2010, which date is subject to change. Shareholder proposals are subject to certain regulations under the federal securities laws.

### Proxies, quorum and voting at the meeting

Any shareholder who has given his or her proxy to someone generally has the power to revoke that proxy at any time prior to its exercise by executing a superseding proxy or by submitting a notice of revocation to the Secretary of the fund. In addition, although mere attendance at the meeting will not revoke a proxy, a shareholder present at the meeting may withdraw his or her proxy and vote in person. All properly executed and unrevoked proxies received in time for the meeting will be voted in accordance with the instructions contained in the proxies. If no instruction is given, the persons named as proxies will vote the shares represented thereby in favor of Proposal 1 and Proposal 2, as described above, and will use their best judgment in connection with the transaction of such other business as may properly come before the meeting or any adjournment or postponement thereof.

For Pioneer Diversified High Income Trust, one-third of the outstanding shares entitled to vote, present in person or represented by proxy, constitutes a quorum for the transaction of business at the meeting. For each of Pioneer Floating Rate Trust, Pioneer High Income Trust, Pioneer Municipal High Income Trust and Pioneer Municipal High Income Advantage Trust, one-third of the outstanding shares of the Common and Preferred Shares of the fund entitled to vote, or one-third of the outstanding shares of the fund present in person or represented by proxy, constitutes a quorum for the transaction of business at the meeting with respect to such class or with respect to the entire fund, respectively. For those Trustees nominated for election by the holders of the Common and Preferred Shares, voting together as a single class, and for the proposal to approve an Amended and Restated Management Agreement, one-third of the outstanding Common and Preferred Shares, counted together, constitutes a quorum. For the Trustees to be elected by holders of the Preferred Shares, voting as a separate class, one-third of the outstanding Preferred Shares constitutes a quorum. In the event that at the time any session of the meeting is called to order a quorum is not present in person or by proxy, the persons named as proxies may vote those proxies that have been received to adjourn the shareholder meeting to a later date and the meeting may be held as adjourned without further notice. In the event that a quorum is present but sufficient votes in favor of the proposal have not been received, the persons named as proxies may propose one or more adjournments of the shareholder meeting to permit further solicitation of proxies with respect to such proposal and the meeting may be held as adjourned without further notice. Any such adjournment



## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

will require the affirmative vote of more than one half of the shares of the fund present in person or by proxy at the session of the meeting to be adjourned. The persons named as proxies will vote those proxies which they are entitled to vote in favor of any such proposal in favor of such an adjournment and will vote those proxies required to be voted against any such proposal against any such adjournment. A shareholder vote may be taken on one or more of the proposals in the proxy statement prior to such adjournment if sufficient votes for its approval have been received and it is otherwise appropriate. Such vote will be considered final regardless of whether the meeting is adjourned to permit additional solicitation with respect to any other proposal. If the meeting is postponed, the funds will give notice of the postponed meeting to shareholders.

Shares of the fund represented in person or by proxy, including shares that abstain or do not vote with respect to a proposal, will be counted for purposes of determining whether there is a quorum at the meeting. However, an abstention from voting has the same effect as a vote against a proposal. Also, if a broker or nominee holding shares

in "street name" indicates on the proxy card that it does not have discretionary authority to vote on a proposal and has not received instructions from the beneficial owner, those shares will not be considered present and entitled to vote on that proposal. Thus, a "broker non-vote" has no effect on the voting for an election of Trustees in Proposal 1, but has the same effect as a vote against Proposal 2. On any matter submitted to a vote of shareholders each whole share shall be entitled to one vote as to any matter on which it is entitled to vote and each fractional share shall be entitled to a proportionate fractional vote.

### Other business

While the meeting has been called to transact any business that may properly come before it, the only matters that the Trustees intend to present are those matters stated in the attached notice of annual meeting of shareholders. However, if any additional matters properly come before the meeting, and on all matters incidental to the conduct of the meeting, it is the intention of the persons named in the enclosed proxy to vote the proxy in accordance with their judgment on such matters unless instructed to the contrary.

### Method of solicitation and expenses

The cost of preparing, printing and mailing the enclosed proxy statement, accompanying notice of annual meeting of shareholders and the accompanying proxy card for each fund will be borne by that fund. In addition to soliciting proxies by mail, Pioneer may, at the fund's expense, have one or more of the fund's officers, representatives or compensated third-party agents, including Pioneer, PIMSS and PFD, aid in the solicitation of proxies by personal interview or telephone and may request brokerage houses and other custodians, nominees and fiduciaries to forward proxy soliciting material to the beneficial owners of the shares held of record by such persons. Each fund has retained the Altman Group, Inc. to assist in the proxy solicitation. The cost of their services is estimated at approximately \$110,000.

Each fund may also arrange to have votes recorded by telephone, the internet or other electronic means. The voting procedures used in connection with such voting methods are designed to authenticate shareholders' identities, to allow shareholders to authorize the voting of their shares in accordance with their instructions and to confirm that their instructions have been properly recorded. If these procedures were subject to a successful

# Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

legal challenge, such votes would not be counted at the shareholder meeting. Each fund is unaware of any such challenge at this time. In the case of telephone voting, shareholders would be called at the phone number the sub-transfer agent, American Stock Transfer & Trust Company, has in its records for their accounts, and would be asked for their Social Security number or other identifying information. The shareholders would then be given an opportunity to authorize proxies to vote their shares at the meeting in accordance with their instructions. In the case of automated telephone and internet voting, shareholders would be required to provide their Social Security number or other identifying information and would receive a confirmation of their instructions.

Persons holding shares as nominees will be reimbursed by the fund, upon request, for the reasonable expenses of mailing soliciting materials to the principals of the accounts.

August 11, 2009

## EXHIBIT A

### COMPARISON OF TERMS OF CURRENT MANAGEMENT AGREEMENTS AND PROPOSED MANAGEMENT AGREEMENT

This Exhibit A sets forth a comparison of the principal terms of the current management agreements for the Pioneer closed-end funds with the corresponding terms of the proposed form of management agreement for the funds. Where a fund's current management agreement contains terms that differ from the terms of the other funds, the agreement is addressed separately.

You should note that the chart contains only a description of the principal provisions of the Current Management Agreements and may not include all of the terms of those agreements or the exact wording of those provisions described. You should refer to Exhibit B for the complete terms of the Amended and Restated Management Agreement

Current Management Agreements	Proposed Management Agreement
<p>Investment Management Services</p> <p>All Funds</p> <p>The Adviser(i) will regularly provide the Trust with investment research, advice and supervision and will furnish continuously an investment program for the Trust, consistent with the investment objective[s] and policies of the Trust. The Adviser will determine from time to time what securities shall be purchased for the Trust, what securities shall be held or sold by the Trust and what portion of the Trust's assets shall be held uninvested as cash, subject always to the provisions of the Trust's Certificate of Trust,</p>	<p>Investment Management Services</p> <p>The Trust hereby appoints the Manager to act as investment adviser of the Fund for the period and on the terms set forth in this Agreement. The Manager accepts such appointment and agrees to render the services herein set forth, for the compensation herein provided.</p> <p>Subject to the supervision of the Trust's Board of Trustees (the "Board"), the Manager shall regularly provide the Fund with investment research, advice, management and supervision and shall furnish a continuous investment program for the</p>

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Agreement and Declaration of Trust, By-Laws and its registration statements under the 1940 Act and under the 1933 Act covering the Trust's shares, as filed with the Commission, and to the investment objective[s], policies and restrictions of the Trust, as each of the same shall be from time to time in effect, and subject, further, to such policies and instructions as the Board of Trustees of the Trust may from time to time establish. To carry out such determinations, the Adviser will exercise full discretion and act for the Trust in the same manner and with the same force and effect as the Trust itself might or could do with respect to purchases, sales or other transactions, as well as with respect to all other things necessary or incidental to the furtherance or conduct of such purchases, sales or other transactions.

Fund's portfolio of securities and other investments consistent with the Fund's investment objectives, policies and restrictions, as each shall be from time to time in effect. The Manager shall determine from time to time what securities and other investments (including, without limitation, repurchase agreements, swap agreements, options, futures and other instruments) will be purchased, retained, sold or exchanged by the Fund and what portion of the assets of the Fund's portfolio will be held in the various securities and other investments in which the Fund invests, and what portion will be held uninvested in cash, and shall implement those decisions (including the execution of investment documentation), all subject to the provisions of the Trust's Declaration of Trust and By-Laws (collectively, the "Governing Documents") and the 1940 Act, as well as the investment objectives, policies and restrictions of the Fund referred to above, and any other specific policies adopted by the Board and disclosed to the Manager. The Manager is authorized as the agent of the Trust to give instructions to the custodian of the Fund as to deliveries of securities and other investments and payments of cash for the account of the Fund.

-----

-----  
 Current Management Agreements                      Proposed Management Agreement  
 -----

Brokerage Transactions

All Funds

The Adviser shall arrange for the placing of all orders for the purchase and sale of securities for the Trust's account with brokers or dealers selected by the Adviser. In the selection of such brokers or dealers and the placing of such orders, the Adviser is directed at all times to seek for the Trust the most favorable execution and net price available except as described herein. It is also understood that it is desirable for the

Brokerage Transactions

The Manager will place orders pursuant to its investment determinations for the Fund either directly with the issuer or with any broker or dealer, foreign currency dealer, futures commission merchant or others selected by it. Except as described herein, the Manager shall seek overall the best execution available in the selection of brokers or dealers and the placing of orders for the Fund. In assessing the best execution available for any transaction, the Manager may consider factors it deems

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Trust that the Adviser have access to supplemental investment and market research and security and economic analyses provided by brokers who may execute brokerage transactions at a higher cost to the Trust than may result when allocating brokerage to other brokers on the basis of seeking the most favorable price and efficient execution. Therefore, the Adviser is authorized to place orders for the purchase and sale of securities for the Trust with such brokers, subject to review by the Trust's Trustees from time to time with respect to the extent and continuation of this practice. It is understood that the services provided by such brokers may be useful to the Adviser in connection with its or its affiliates' services to other clients. [In addition, subject to the Adviser's obligation to seek the most favorable execution and net price available, the Adviser may consider the sale of the Trust's shares in selecting brokers and dealers.](ii)

relevant, including the size and type of the transaction, the nature and character of the markets for the security to be purchased or sold, the execution capabilities and financial condition of the broker or dealer, and the reasonableness of the commission or dealer spread, if any (whether for a specific transaction or on a continuing basis). In connection with the selection of such brokers or dealers and the placing of such orders, subject to applicable law, brokers or dealers may be selected who also provide brokerage and research services (as those terms are defined in Section 28(e) of the Securities Exchange Act of 1934, as amended (the "Exchange Act")) to the Fund and/or the other accounts over which the Manager or its affiliates exercise investment discretion. The Manager is authorized to pay a broker or dealer who provides such brokerage and research services a commission for executing a portfolio transaction for the Fund which is in excess of the amount of commission another broker or dealer would have charged for effecting that transaction if the Manager determines in good faith that such amount of commission is reasonable in relation to the value of the brokerage and research services provided by such broker or dealer, viewed in terms of either that particular transaction or in terms of all of the accounts over which the Manager or its affiliates exercise investment discretion.

-----  
Investment in Investment Companies

All Funds  
Not specifically addressed.

Investment in Investment Companies

Subject to applicable provisions of the 1940 Act and direction from the Board, the investment program to be provided hereunder may entail the investment of all or substantially all of the assets of the Fund in one or more investment companies.

-----  
Additional Services

All Funds  
Not specifically addressed.

Additional Services

The Manager shall also provide advice and recommendations with respect to other aspects of the business and affairs of the Fund, shall exercise voting rights, rights to consent to corporate action and any other rights pertaining to the Fund's portfolio

securities subject to such direction as the Board may provide, and shall perform such other functions of investment management and supervision as may be directed by the Board.

-----

-----  
Current Management Agreements                      Proposed Management Agreement  
-----

Services Excluded

All Funds  
Not specifically addressed.

Services Excluded

Notwithstanding the foregoing, the Manager shall not be deemed to have assumed any duties with respect to, and shall not be responsible for, the distribution of the shares of the Fund, nor shall the Manager be deemed to have assumed or have any responsibility with respect to functions specifically assumed by any administrator, transfer agent, fund accounting agent, custodian, shareholder servicing agent or other agent, in each case employed by the Trust or the Fund to perform such functions.

-----  
Authority to Execute Documents                      Authority to Execute Documents

All Funds  
Not specifically addressed.

The Manager may execute on behalf of the Fund certain agreements, instruments and documents in connection with the services performed by it under this Agreement. These may include, without limitation, brokerage agreements, clearing agreements, account documentation, futures and options agreements, swap agreements, other investment related agreements, and any other agreements, documents or instruments the Manager believes are appropriate or desirable in performing its duties under this Agreement.

-----  
Transactions with Affiliates                      Transactions with Affiliates

All Funds  
In connection with purchases or sales of securities for the account of the Trust, neither the Adviser nor any of its directors, officers or employees

The Fund hereby authorizes any entity or person associated with the Manager which is a member of a national securities exchange to effect any transaction on the exchange for the account of the Fund which is permitted

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

will act as a principal or agent or receive any commission except as permitted by the 1940 Act.

by Section 11(a) of the Exchange Act and Rule 11a2-2(T) thereunder, and the Fund hereby consents to the retention of compensation for such transactions in accordance with Rule 11a2-2(T) (a) (2) (iv).

-----  
Use of Subadvisers

Diversified High Income Trust

It is understood that the Adviser may employ one or more sub-investment advisers (each a "Subadviser") to provide investment advisory services to the Trust by entering into a written agreement with each such Subadviser; provided, that any such agreement first shall be approved by the vote of a majority of the Trustees, including a majority of the Trustees who are not "interested persons" (as defined in the 1940 Act) of the Trust, the Adviser or any such Subadviser, and otherwise approved in accordance with the requirements of the 1940 Act or an exemption therefrom. The authority given to the Adviser in Sections 1 through 13 hereof may be delegated by it under any such agreement; provided, that any Subadviser shall be subject to the

Use of Subadvisers

Subject to the Board's approval, the Manager or the Fund may enter into contracts with one or more investment subadvisers, including without limitation, affiliates of the Manager, in which the Manager delegates to such investment subadvisers any or all its duties specified hereunder, on such terms as the Manager determines to be necessary, desirable or appropriate, provided that in each case such contracts are entered into in accordance with and meet all applicable requirements of the 1940 Act. The Trust agrees that the Manager shall not be accountable to the Trust or the Fund or the Fund's shareholders for any loss or other liability relating to specific investments selected by any such subadviser.

-----  
Current Management Agreements

Proposed Management Agreement

-----  
same restrictions and limitations on investments and brokerage discretion as the Adviser. The Trust agrees that the Adviser shall not be accountable to the Trust or the Trust's shareholders for any loss or other liability relating to any specific investments directed by any Subadviser, even though the Adviser retains the right to reverse any such investment because, in the event a Subadviser is retained, the Trust and the Manager will rely almost exclusively on the expertise of such Subadviser for the selection and monitoring of specific investments; provided, however, that the forgoing shall not in any way limit the Adviser's other responsibilities under

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

this Agreement, including the supervision of the Subadviser's compliance with the Trust's investment policies and restrictions.

### Floating Rate Trust

It is understood that the Adviser may employ one or more sub-investment advisers (each a "Subadviser") to provide investment advisory services to the Trust by entering into a written agreement with each such Subadviser; provided, that any such agreement first shall be approved by the vote of a majority of the Trustees, including a majority of the Trustees who are not "interested persons" (as defined in the 1940 Act) of the Trust, the Adviser or any such Subadviser, and otherwise approved in accordance with the requirements of the 1940 Act or an exemption therefrom. The authority given to the Adviser in Sections 1 through 13 hereof may be delegated by it under any such agreement; provided, that any Subadviser shall be subject to the same restrictions and limitations on investments and brokerage discretion as the Adviser. The Trust agrees that the Adviser shall not be accountable to the Trust or the Trust's shareholders for any loss or other liability relating to any investment decision made by any Subadviser even though the Adviser retains the right to reverse any such investment; provided, however, that the forgoing shall not in any way limit the Adviser's other responsibilities under this Agreement, including the supervision of the Subadviser's compliance with the Trust's investment policies and restrictions.

### High Income Trust, Municipal High Income Advantage Trust, and Municipal High Income Trust

It is understood that the Adviser may employ one or more sub-investment advisers (each a "Subadviser") to provide investment advisory services to the Trust by entering into a written agreement with each such Subadviser; provided, that any such agreement first shall be approved by the vote of a majority of the Trustees, including a majority of the Trustees who are not "interested persons" (as defined in the 1940 Act) of the Trust, the Adviser or any such Subadviser, and

Current Management Agreements	Proposed Management Agreement
-------------------------------	-------------------------------

otherwise approved in accordance with the requirements of the 1940 Act or an exemption therefrom. The authority given to the Adviser in Sections 1 through 13 hereof may be delegated by it under any such agreement; provided, that any Subadviser shall be subject to the same restrictions and limitations on investments and brokerage discretion as the Adviser. The Trust agrees that the Adviser shall not be accountable to the Trust or the Trust's shareholders for any loss or other liability relating to specific investments directed by any Subadviser, even though the Adviser retains the right to reverse any such investment because, in the event a Subadviser is retained, the Trust and the Adviser will rely almost exclusively on the expertise of such Subadviser for the selection and monitoring of specific investments.

Information to be Provided to the Manager	Information to be Provided to Manager
<p>All Funds</p> <p>Not specifically addressed.</p>	<p>The Trust shall at all times keep the Manager fully informed with regard to the securities and other investments owned by the Fund, its funds available, or to become available, for investment, and generally as to the condition of its affairs. The Trust shall furnish the Manager with such other documents and information with regard to its affairs as the Manager may from time to time reasonably request.</p>

Information to be Provided by the Manager	Information to be Provided by Manager
<p>All Funds</p> <p>The Adviser will, to the extent reasonably required in the conduct of the business of the Trust and upon the Trust's request, furnish to the Trust research, statistical and advisory reports upon the industries,</p>	<p>The Manager shall supply the Board and officers of the Trust with such information and reports reasonably required by them and reasonably available to the Manager.</p>



Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

businesses, corporations or securities as to which such requests shall be made, whether or not the Trust shall at the time have any investment in such industries, businesses, corporations or securities. The Adviser will use its best efforts in the preparation of such reports and will endeavor to consult the persons and sources believed by it to have information available with respect to such industries, businesses, corporations or securities.

-----  
Recordkeeping Obligations

All Funds

[Unless maintained by the Trust's administrator,] (iii) The Adviser will maintain all books and records with respect to the Trust's securities transactions required by subparagraphs (b) (5), (6), (9) and (10) and paragraph (f) of Rule 31a-1 under the 1940 Act (other than those records being maintained by the custodian or transfer agent appointed by the Trust) and preserve such records for the periods prescribed therefor by Rule 31a-2 under the 1940 Act. The Adviser will also provide to the Board of Trustees such periodic and special reports as the Board may reasonably request.

-----  
Recordkeeping Obligations

Unless maintained by another party on the Fund's behalf, the Manager shall maintain the books and records with respect to the Fund's securities and other transactions and keep the Fund's books of account in accordance with all applicable federal and state laws and regulations. In compliance with the requirements of Rule 31a-3 under the 1940 Act, the Manager hereby agrees that any records that it maintains for the Fund are the property of the Fund, and further agrees to surrender promptly to the Fund any of such records upon the Fund's request. The Manager further agrees to arrange for the preservation of the records required to be maintained by Rule 31a-1 under the 1940 Act for the periods prescribed by Rule 31a-2 under the 1940 Act.

-----  
Current Management Agreements

-----  
Proposed Management Agreement

-----  
Expenses

All Funds

Except as otherwise provided herein, the Adviser, at its own expense, shall furnish to the Trust office space in the offices of the Adviser, or in such other place as may be agreed upon from time to time, and all necessary office facilities, equipment and personnel for managing the Trust's affairs and investments.

-----  
Expenses

The Manager shall furnish, at its expense, all necessary services, facilities, equipment and personnel for performing the Manager's services under this Agreement. Other than as herein specifically indicated, the Manager shall not be responsible for the Trust's or the Fund's ordinary and extraordinary expenses, and the Trust or the Fund shall pay the Trust's or the Fund's ordinary and extraordinary

[The Adviser shall pay directly or reimburse the Trust for...] all expenses not hereinafter specifically assumed by the Trust where such expenses are incurred by the Adviser or by the Trust in connection with the management of the affairs of, and the investment and reinvestment of the assets of, the Trust.

Diversified High Income

The Trust shall assume and shall pay:  
(i) charges and expenses for fund accounting, pricing and appraisal services and related overhead, including, to the extent such services are performed by personnel of the Adviser or its affiliates, office space and facilities, and personnel compensation, training and benefits;  
(ii) the charges and expenses of auditors; (iii) the charges and expenses of any underwriter, custodian, transfer agent, administrator, plan agent, dividend disbursing agent, registrar or any other agent appointed by the Trust; (iv) issue and transfer taxes chargeable to the Trust in connection with securities transactions to which the Trust is a party; (v) insurance premiums, interest charges, expenses in connection with any preferred shares, organizational and offering expenses, dues and fees for membership in trade associations and all taxes and corporate fees payable by the Trust to federal, state or other governmental agencies; (vi) fees and expenses involved in registering and maintaining registrations of the Trust and/or its shares with federal regulatory agencies, state or blue sky securities agencies and foreign jurisdictions, including the preparation of prospectuses and statements of additional information for filing with such regulatory authorities; (vii) all expenses of shareholders' and Trustees' meetings and of preparing, printing and distributing prospectuses, notices, proxy statements and all reports to shareholders and to governmental agencies; (viii) charges and expenses of legal counsel to the Trust and the Trustees; (ix) compensation of those Trustees of the Trust who are not affiliated with, or "interested

-----

expenses. The Manager may agree to provide to the Fund services other than the services that are provided under this Agreement, on such terms as the Manager and the Trust may agree from time to time, and nothing herein shall preclude payment by the Trust or the Fund of compensation to the Manager for any such services rendered pursuant to a written agreement or agreements approved by the Board.

-----  
Current Management Agreements

-----  
Proposed Management Agreement  
-----

persons" (as defined in the 1940 Act) of, the Adviser, the Underwriters or the Trust (other than as Trustees); (x) the cost of preparing and printing share certificates; (xi) interest on borrowed money, if any; (xii) the fees and other expenses of listing the fund's shares on the New York Stock Exchange or any other national stock exchange and (xiii) any other expense that the Trust, the Adviser or any other agent of the Trust may incur (A) as a result of a change in the law or regulations, (B) as a result of a mandate from the Board of Trustees with associated costs of a character generally assumed by similarly structured investment companies or (C) that is similar to the expenses listed above, and that is approved by the Board of Trustees (including a majority of the Independent Trustees) as being an appropriate expense of the Trust.

In addition to the expenses described in Section 6 above, the Trust shall pay all brokers' and underwriting commissions or other fees chargeable to the Trust in connection with securities transactions to which the Trust is a party or the origination of any floating rate loans in which the Trust invests.

#### Floating Rate Trust

The Trust shall assume and shall pay:  
(i) charges and expenses for fund accounting, pricing and appraisal services and related overhead, including, to the extent such services are performed by personnel of the Adviser or its affiliates, office space and facilities, and personnel compensation, training and benefits;  
(ii) the charges and expenses of auditors; (iii) the charges and expenses of any custodian, transfer agent, administrator, plan agent, dividend disbursing agent and registrar appointed by the Trust; (iv) issue and transfer taxes chargeable to the Trust in connection with securities transactions to which the Trust is a

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

party; (v) insurance premiums, interest charges, expenses in connection with any preferred shares, organizational and offering expenses, dues and fees for membership in trade associations and all taxes and corporate fees payable by the Trust to federal, state or other governmental agencies; (vi) fees and expenses involved in registering and maintaining registrations of the Trust and/or its shares with federal regulatory agencies, state or blue sky securities agencies and foreign jurisdictions, including the preparation of prospectuses and statements of additional information for filing with such regulatory authorities; (vii) all expenses of shareholders' and Trustees' meetings and of preparing, printing and distributing prospectuses, notices, proxy statements and all reports to shareholders and to governmental agencies; (viii) charges and expenses of legal counsel to the Trust and the Trustees; (ix) compensation of those Trustees of the Trust who are not affiliated with, or "interested persons" (as defined in

---

---

Current Management Agreements

Proposed Management Agreement

---

the 1940 Act) of, the Adviser, the Underwriters or the Trust (other than as Trustees); (x) the cost of preparing and printing share certificates; (xi) interest on borrowed money, if any; (xii) the fees and other expenses of listing the fund's shares on the New York Stock Exchange or any other national stock exchange and (xiii) any other expense that the Trust, the Adviser or any other agent of the Trust may incur (A) as a result of a change in the law or regulations, (B) as a result of a mandate from the Board of Trustees with associated costs of a character generally assumed by similarly structured investment companies or (C) that is similar to the expenses listed above, and that is approved by the Board of Trustees (including a majority of the Independent Trustees) as being an appropriate expense of the Trust.

In addition to the expenses described in Section 6 above, the Trust shall pay all brokers' and underwriting commissions or other fees chargeable to the Trust in connection with securities transactions to which the Trust is a party or the origination of any senior floating rate loans in which the Trust invests.

High Income Trust

The Trust shall assume and shall pay:

- (i) charges and expenses for fund accounting, pricing and appraisal services and related overhead, including, to the extent such services are performed by personnel of the Manager or its affiliates, office space and facilities, and personnel compensation, training and benefits;
  - (ii) the charges and expenses of auditors;
  - (iii) the charges and expenses of any custodian, transfer agent, administrator, plan agent, dividend disbursing agent and registrar appointed by the Trust;
  - (iv) issue and transfer taxes chargeable to the Trust in connection with securities transactions to which the Trust is a party;
  - (v) insurance premiums, interest charges, expenses in connection with any preferred shares, dues and fees for membership in trade associations and all taxes and corporate fees payable by the Trust to federal, state or other governmental agencies;
  - (vi) fees and expenses involved in registering and maintaining registrations of the Trust and/or its shares with federal regulatory agencies, state or blue sky securities agencies and foreign jurisdictions, including the preparation of prospectuses and statements of additional information for filing with such regulatory authorities;
  - (vii) all expenses of shareholders' and Trustees' meetings and of preparing, printing and distributing prospectuses, notices, proxy statements and all reports to shareholders and to governmental agencies;
  - (viii) charges and expenses of legal counsel to the Trust and the Trustees;
  - (ix) compensation of those Trustees of the Trust who are not affiliated with, or "interested persons" of, the Manager or the Trust (other than as Trustees);
  - (x) the cost of preparing and printing share
-

-----  
Current Management Agreements

Proposed Management Agreement  
-----

certificates; (xi) interest on borrowed money, if any; and (xii) the fees and other expenses of listing the fund's shares on the New York Stock Exchange or any other national stock exchange.

In addition to the expenses described in Section 6 above, the Trust shall pay all brokers' and underwriting commissions chargeable to the Trust in connection with securities transactions to which the Trust is a party.

Municipal High Income Advantage Trust  
and Municipal High Income Trust

The Trust shall assume and shall pay:  
(i) charges and expenses for fund accounting, pricing and appraisal services and related overhead, including, to the extent such services are performed by personnel of the Adviser or its affiliates, office space and facilities, and personnel compensation, training and benefits;  
(ii) the charges and expenses of auditors; (iii) the charges and expenses of any custodian, transfer agent, administrator, plan agent, dividend disbursing agent and registrar appointed by the Trust; (iv) issue and transfer taxes chargeable to the Trust in connection with securities transactions to which the Trust is a party; (v) insurance premiums, interest charges, expenses in connection with any preferred shares, dues and fees for membership in trade associations and all taxes and corporate fees payable by the Trust to federal, state or other governmental agencies; (vi) fees and expenses involved in registering and maintaining registrations of the Trust and/or its shares with federal regulatory agencies, state or blue sky securities agencies and foreign jurisdictions, including the preparation of prospectuses and statements of additional information for filing with such regulatory authorities; (vii) all expenses of shareholders' and Trustees' meetings and of preparing, printing and

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

distributing prospectuses, notices, proxy statements and all reports to shareholders and to governmental agencies; (viii) charges and expenses of legal counsel to the Trust and the Trustees; (ix) compensation of those Trustees of the Trust who are not affiliated with, or "interested persons" of, the Adviser or the Trust (other than as Trustees); (x) the cost of preparing and printing share certificates; (xi) interest on borrowed money, if any; (xii) the fees and other expenses of listing the fund's shares on the New York Stock Exchange or any other national stock exchange and (xiii) any other expense that the Trust, the Adviser or any other agent of the Trust may incur (A) as a result of a change in the law or regulations, (B) as a result of a mandate from the Board of Trustees with associated costs of a character generally assumed by similarly structured investment companies or (C) that is similar to the expenses listed above, and that is approved by the Board of Trustees (including a majority of the Independent Trustees) as being an

---

---

Current Management Agreements

Proposed Management Agreement

---

appropriate expense of the Trust.

In addition to the expenses described in Section 6 above, the Trust shall pay all brokers' and underwriting commissions chargeable to the Trust in connection with securities transactions to which the Trust is a party.

---

Board Members and Officers

All Funds

[Except as otherwise provided herein, the Adviser...] shall arrange, if desired by the Trust, for members of the Adviser's organization to serve as officers or agents of the Trust.

The Manager shall pay directly or reimburse the Trust for the

Board Members and Officers

From time to time, the Manager shall authorize and permit certain of its directors, officers and employees, who may be elected as Board members or officers of the Trust, to serve in the capacities in which they are elected. The Manager will pay directly or reimburse the Trust for the compensation (if any) of the Trustees who are affiliated persons of the Manager and all officers of the Trust

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

compensation (if any) of the Trustees who are affiliated with, or "interested persons" (as defined in the 1940 Act) of, the Manager and all officers of the Trust as such.

as such, except as the Board may decide.

-----  
Fees

-----  
Fees

All Funds

The Trust shall pay to the Adviser, as compensation for the Adviser's services and expenses assumed hereunder, a fee at the annual rate equal to [ ]% of the Trust's average [daily] [weekly](iv) managed assets.

As compensation for the services performed and the facilities furnished and expenses assumed by the Manager, the Fund shall pay the Manager, as promptly as possible after the last day of each month, a fee, computed daily at an annual rate equal to [\_\_\_%] of the Fund's average daily managed assets. "Managed assets"

Diversified High Income Trust

"Managed assets" means the total assets of the Trust, including any form of investment leverage, minus all accrued expenses incurred in the normal course of operations, but not excluding any liabilities or obligations attributable to investment leverage obtained through (i) indebtedness of any type (including, without limitation, borrowing through a credit facility or the issuance of debt securities), (ii) the issuance of preferred stock or other similar preference securities, (iii) the reinvestment of collateral received for securities loaned in accordance with the Fund's investment objectives and policies, and/or (iv) any other means. The liquidation preference on any preferred shares is not a liability.

means (a) the total assets of the Fund, including any form of investment leverage, minus (b) all accrued liabilities incurred in the normal course of operations, which shall not include any liabilities or obligations attributable to investment leverage obtained through (i) indebtedness of any type (including, without limitation, borrowing through a credit facility or the issuance of debt securities), (ii) the issuance of preferred stock or other similar preference securities, and/or (iii) any other means. The liquidation preference on any preferred shares is not a liability. If this Agreement is terminated as of any date not the last day of a month, the fee payable by the Fund shall be paid as promptly as possible after such date of termination and shall be computed on the basis of the period ending on the last business day on which this Agreement is in effect subject to a pro rata adjustment based on the number of days elapsed in the current month as a percentage of the total number of days in the month.

Floating Rate Trust

"Managed assets" means the total assets of the Trust (including any assets attributable to any financial leverage that may be outstanding) minus the sum of accrued liabilities (other than liabilities representing financial leverage). The liquidation preference on any preferred shares is not a liability.

-----  
Current Management Agreements

-----  
Proposed Management Agreement  
-----



High Income Trust

"Managed assets" means the total assets of the Trust (including any assets attributable to any leverage that may be outstanding) minus the sum of accrued liabilities (other than debt representing financial leverage).

Municipal High Income Advantaged Trust and Municipal High Income Trust

"Managed assets" means the total assets of the Trust (including any assets attributable to any leverage that may be outstanding) minus the sum of accrued liabilities (other than liabilities representing financial leverage). The liquidation preference on any preferred shares is not a liability.

All Funds

The management fee payable hereunder shall be computed daily and paid monthly in arrears. In the event of [the] termination of this Agreement, the fee provided in Section 8 shall be computed on the basis of the period ending on the last business day on which this Agreement is in effect subject to a pro rata adjustment based on the number of days elapsed in the current month as a percentage of the total number of days in such month.

-----  
Fee Waivers

All Funds

Fee Waivers

Not specifically addressed.

The Adviser may from time to time agree not to impose all or a portion of its fee otherwise payable hereunder (in advance of the time such fee or a portion thereof would otherwise accrue) and/or undertake to pay or reimburse the Trust for all or a portion of its expenses not otherwise required to be borne or reimbursed by the Adviser. Any such fee reduction or undertaking may be discontinued or modified by the Adviser at any time.

-----

Current Management Agreements	Proposed Management Agreement
-------------------------------	-------------------------------

Limitation of Liability of Manager

All Funds

The Adviser will not be liable for any error of judgment or mistake of law or for any loss sustained by reason of the adoption of any investment policy or the purchase, sale, or retention of any security on the recommendation of the Adviser, whether or not such recommendation shall have been based upon its own investigation and research or upon investigation and research made by any other individual, firm or corporation, but nothing contained herein will be construed to protect the Adviser against any liability to the Trust or its shareholders by reason of willful misfeasance, bad faith or gross negligence in the performance of its duties or by reason of its reckless disregard of its obligations and duties under this Agreement.

Limitation of Liability of Manager

The Manager assumes no responsibility under this Agreement other than to render the services called for hereunder, in good faith, and shall not be liable for any error of judgment or mistake of law, or for any loss arising out of any investment or for any act or omission in the execution of securities or other transactions for the Fund, provided that nothing in this Agreement shall protect the Manager against any liability to the Fund to which the Manager would otherwise be subject by reason of willful misfeasance, bad faith, or gross negligence in the performance of its duties or by reason of its reckless disregard of its obligations and duties hereunder. As used in this paragraph 8, the term "Manager" shall include any affiliates of the Manager performing services for the Trust or the Fund pursuant to this Agreement and the partners, shareholders, directors, officers and employees of the Manager and such affiliates.

Other Activities

All Funds

Nothing in this Agreement will in any way limit or restrict the Adviser or any of its officers, directors, or employees from buying, selling or trading in any securities for its or their own accounts or other accounts. The Adviser may act as an investment adviser to any other person, firm or corporation, and may perform management and any other services for any other person, association, corporation, firm or other entity pursuant to any contract or otherwise, and take any action or do any thing in connection therewith or related thereto; and no such performance of management or other services or taking of any such action or doing of any such thing shall be in any manner restricted or otherwise affected by any aspect of any relationship of the Adviser to or with

Other Activities

Nothing in this Agreement shall limit or restrict the right of any director, officer, or employee of the Manager who may also be a Trustee, officer, or employee of the Trust or the Fund, to engage in any other business or to devote his time and attention in part to the management or other aspects of any other business, whether of a similar nature or a dissimilar nature, nor to limit or restrict the right of the Manager to engage in any other business or to render services of any kind, including investment advisory and management services, to any other fund, firm, individual or association.

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

the Trust or deemed to violate or give rise to any duty or obligation of the Adviser to the Trust except as otherwise imposed by law.

---

### Allocation of Investment Opportunities

#### All Funds

On occasions when the Adviser deems the purchase or sale of a security to be in the best interest of the Trust as well as other clients, the Adviser may, to the extent permitted by applicable laws and regulations, aggregate the securities to be sold or purchased in order to obtain the best execution and lower brokerage commissions, if any. In such event, allocation of the securities so purchased or sold, as well as the expenses incurred in the transaction, will be made by the Adviser in the manner it

---

### Allocation of Investment Opportunities

If the purchase or sale of securities or other investments consistent with the investment policies of the Fund or one or more other accounts of the Manager is considered at or about the same time, transactions in such securities or other investments will be allocated among the accounts in a manner deemed equitable by the Manager. Such transactions may be combined, in accordance with applicable laws and regulations, and consistent with the Manager's policies and procedures as presented to the Board from time to time.

---

### Current Management Agreements

considers to be the most equitable and consistent with its fiduciary obligations to the Trust and to such clients.

The Trust recognizes that the Adviser, in effecting transactions for its various accounts, may not always be able to take or liquidate investment positions in the same security at the same time and at the same price.

---

### Proposed Management Agreement

---

### Specific Defined Terms

#### All Funds

Not specifically addressed.

---

### Specific Defined Terms

For the purposes of this Agreement, the terms "assignment," "interested person," and "majority of the outstanding voting securities" shall have the meanings given to them by Section 2(a) of the 1940 Act, and references to the "1940 Act" shall include any rule, regulation or applicable exemptive order of the Securities and Exchange Commission (the "Commission") thereunder and interpretive guidance with respect to the 1940 Act by the Commission or its

staff.

---

Duration

All Funds

This Agreement shall become effective on the date hereof and shall remain in force until [\_\_\_\_\_, \_\_\_\_] and from year to year thereafter, but only so long as its continuance is approved in accordance with the requirements of the 1940 Act or an exemption therefrom, subject to the right of the Trust and the Adviser to terminate this contract as provided in Section 17 hereof.

---

Duration

This Agreement will become effective on the date first above written, provided that it shall have been approved by the Trust's Board and by the shareholders of the Fund in accordance with the requirements of the 1940 Act and, unless sooner terminated as provided herein, will continue in effect until December 31, 2009. Thereafter, if not terminated, this Agreement shall continue in effect, so long as such continuance is specifically approved at least annually (i) by the Board or (ii) by a vote of a majority of the outstanding voting securities of the Fund, provided that in either event the continuance is also approved by a majority of the Trustees who are not interested persons of any party to this Agreement, by vote cast in person at a meeting called for the purpose of voting on such approval.

---

Termination

All Funds

Either party hereto may, without penalty, terminate this Agreement by vote of its Board of Trustees or Directors, as the case may be, or by vote of a "majority of the outstanding voting securities" (as defined in the 1940 Act) of the Trust or the Adviser, as the case may be, and the giving of sixty (60) days' written notice to the other party.

This Agreement shall automatically terminate in the event of its assignment. For purposes of this Agreement, the term "assignment" shall have the meaning given it by Section 2(a)(4) of the 1940 Act.

---

Termination

This Agreement is terminable without penalty by the Board or by vote of a majority of the outstanding voting securities of the Fund, in each case on not more than 60 days' nor less than 30 days' written notice to the Manager, or by the Manager upon not less than 60 days' written notice to the Trust, and will be terminated upon the mutual written consent of the Manager and the Trust. This Agreement shall terminate automatically in the event of its assignment.

---

Current Management Agreements

Proposed Management Agreement

---

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Limitation of Recourse

All Funds

Not specifically addressed.

Limitation of Recourse

The Manager agrees that for services rendered to the Fund, or for any claim by it in connection with services rendered to the Fund, it shall look only to assets of the Fund for satisfaction and that it shall have no claim against the assets of any other portfolios of the Trust. The undersigned officer of the Trust has executed this Agreement not individually, but as an officer under the Trust's Declaration of Trust and the obligations of this Agreement are not binding upon any of the Trustees, officers or shareholders of the Trust individually.

-----  
Amendments; Severability

All Funds

This Agreement states the entire agreement of the parties hereto, and is intended to be the complete and exclusive statement of the terms hereof. It may not be added to or changed orally and may not be modified or rescinded except by a writing signed by the parties hereto and in accordance with the 1940 Act, when applicable.

Any term or provision of this Agreement which is invalid or unenforceable in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such invalidity or unenforceability without rendering invalid or unenforceable the remaining terms or provisions of this Agreement or affecting the validity or enforceability of any of the terms or provisions of this Agreement in any other jurisdiction.

-----  
Amendments; Severability

No provision of this Agreement may be changed, waived, discharged or terminated orally, but only by an instrument in writing signed by the party against which enforcement of the change, waiver, discharge or termination is sought, and no material amendment of the Agreement shall be effective until approved, if so required by the 1940 Act, by vote of the holders of a majority of the Fund's outstanding voting securities.

This Agreement embodies the entire agreement and understanding between the parties hereto and supersedes all prior agreements and understandings relating to the subject matter hereof. Should any part of this Agreement be held or made invalid by a court decision, statute, rule or otherwise, the remainder of this Agreement shall not be affected thereby. This Agreement shall be binding on and shall inure to the benefit of the parties hereto and their respective successors.

-----  
Governing Law

All Funds

This Agreement and all performance hereunder shall be governed by and construed in accordance with the laws of The Commonwealth of Massachusetts.

-----  
Governing Law

This Agreement shall be construed and the provisions hereof interpreted under and in accordance with the laws of The Commonwealth of Massachusetts.



## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

The current management agreement for Pioneer High Income Trust instead refers to the "Manager." For purposes of this comparison, the term "Adviser" is used throughout.

(ii) Bracketed text appears in the current management agreement for all funds except Pioneer Diversified High Income Trust and Pioneer Floating Rate Trust.

(iii) Bracketed text appears in the current management agreement for Pioneer Diversified High Income Trust.

(iv) The current management agreement for Pioneer High Income Trust provides for the advisory fee to be based on average weekly managed assets.

### EXHIBIT B

#### AMENDED AND RESTATED MANAGEMENT AGREEMENT

This AMENDED AND RESTATED MANAGEMENT AGREEMENT ("Agreement") is made this \_\_\_ day of \_\_\_\_\_, 2009, by and between [name of trust] (the "Trust"), a Delaware statutory trust, and Pioneer Investment Management, Inc., a Delaware corporation (the "Manager").

WHEREAS, the Trust is registered as a management investment company under the Investment Company Act of 1940, as amended (the "1940 Act");

WHEREAS, the Manager is engaged primarily in rendering investment advisory and management services and is registered as an investment adviser under the Investment Advisers Act of 1940, as amended;

WHEREAS, the Trust wishes to retain the Manager to provide investment advisory and management services to the Trust with respect to the series of the Trust designated [name of series] (the "Fund"); and

WHEREAS, the Manager is willing to furnish such services on the terms and conditions hereinafter set forth;

NOW THEREFORE, in consideration of the promises and mutual covenants herein contained, it is agreed as follows:

1. The Trust hereby appoints the Manager to act as investment adviser of the Fund for the period and on the terms set forth in this Agreement. The Manager accepts such appointment and agrees to render the services herein set forth, for the compensation herein provided.

2. (a) Subject to the supervision of the Trust's Board of Trustees (the "Board"), the Manager shall regularly provide the Fund with investment research, advice, management and supervision and shall furnish a continuous investment program for the Fund's portfolio of securities and other investments consistent with the Fund's investment objectives, policies and restrictions, as each shall be from time to time in effect. The Manager shall determine from time to time what securities and other investments (including, without limitation, repurchase agreements, swap agreements, options, futures and other instruments) will be purchased, retained, sold or exchanged by the Fund and what portion of the assets of the Fund's portfolio will be held in the various securities and other investments in which the Fund invests, and what portion will be held uninvested in cash, and shall implement those decisions (including the execution of investment documentation), all subject to the provisions of the Trust's Declaration of Trust and By-Laws (collectively, the "Governing Documents") and the 1940 Act, as well as the investment objectives, policies and restrictions of the Fund referred to above, and any other specific policies adopted by the Board

and disclosed to the Manager. The Manager is authorized as the agent of the Trust to give instructions to the custodian of the Fund as to deliveries of securities and other investments and payments of cash for the account of the Fund. Subject to applicable provisions of the 1940 Act and direction from the Board, the investment program to be provided hereunder may entail the investment of all or substantially all of the assets of the Fund in one or more investment companies. The Manager will place orders pursuant to its investment determinations for the Fund either directly with the issuer or with any broker or dealer, foreign currency dealer, futures commission merchant or others selected by it. Except as described herein, the Manager shall seek overall the best execution available in the selection of brokers or dealers and the placing of orders for the Fund. In assessing the best execution available for any transaction, the Manager may consider factors it deems relevant, including the size and type of the transaction, the nature and character of the markets for the security to be purchased or sold, the execution capabilities and financial condition of the broker or dealer, and the reasonableness of the commission or dealer spread, if any (whether for a specific transaction or on a continuing basis). In connection with the selection of such brokers or dealers and the placing of such orders, subject to applicable law, brokers or dealers may be selected who also provide brokerage and research services (as those terms are defined in Section 28(e) of the Securities Exchange Act of 1934, as amended (the "Exchange Act")) to the Fund and/or the other accounts over which the Manager or its affiliates exercise investment discretion. The Manager is authorized to pay a broker or dealer who provides such brokerage and research services a commission for executing a portfolio transaction for the Fund which is in excess of the amount of commission another broker or dealer would have charged for effecting that transaction if the Manager determines in good faith that such amount of commission is reasonable in relation to the value of the

brokerage and research services provided by such broker or dealer, viewed in terms of either that particular transaction or in terms of all of the accounts over which the Manager or its affiliates exercise investment discretion. The Manager shall also provide advice and recommendations with respect to other aspects of the business and affairs of the Fund, shall exercise voting rights, rights to consent to corporate action and any other rights pertaining to the Fund's portfolio securities subject to such direction as the Board may provide, and shall perform such other functions of investment management and supervision as may be directed by the Board. Notwithstanding the foregoing, the Manager shall not be deemed to have assumed any duties with respect to, and shall not be responsible for, the distribution of the shares of the Fund, nor shall the Manager be deemed to have assumed or have any responsibility with respect to functions specifically assumed by any administrator, transfer agent, fund accounting agent, custodian, shareholder servicing agent or other agent, in each case employed by the Trust or the Fund to perform such functions. The Manager may execute on behalf of the Fund certain agreements, instruments and documents in connection with the services performed by it under this Agreement. These may include, without limitation, brokerage agreements, clearing agreements, account documentation, futures and options agreements, swap agreements, other investment related agreements, and any other agreements, documents or instruments the Manager believes are appropriate or desirable in performing its duties under this Agreement.

(b) The Fund hereby authorizes any entity or person associated with the Manager which is a member of a national securities exchange to effect any transaction on the exchange for the account of the Fund which is permitted by Section 11(a) of the Exchange Act and Rule 11a2-2(T) thereunder, and the Fund hereby consents to the retention of compensation for such transactions in accordance with Rule 11a2-2(T) (a) (2) (iv).

3. Subject to the Board's approval, the Manager or the Fund may enter into



## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

contracts with one or more investment subadvisers, including without limitation, affiliates of the Manager, in which the Manager delegates to such investment subadvisers any or all its duties specified hereunder, on such terms as the Manager determines to be necessary, desirable or appropriate, provided that in each case such contracts are entered into in accordance with and meet all applicable requirements of the 1940 Act. The Trust agrees that the Manager shall not be accountable to the Trust or the Fund or the Fund's shareholders for any loss or other liability relating to specific investments selected by any such subadviser.

4. The Trust shall at all times keep the Manager fully informed with regard to the securities and other investments owned by the Fund, its funds available, or to become available, for investment, and generally as to the condition of its affairs. The Trust shall furnish the Manager with such other documents and information with regard to its affairs as the Manager may from time to time reasonably request. The Manager shall supply the Board and officers of the Trust with such information and reports reasonably required by them and reasonably available to the Manager.

5. (a) Unless maintained by another party on the Fund's behalf, the Manager shall maintain the books and records with respect to the Fund's securities and other transactions and keep the Fund's books of account in accordance with all applicable federal and state laws and regulations. In compliance with the requirements of Rule 31a-3 under the 1940 Act, the Manager hereby agrees that any records that it maintains for the Fund are the property of the Fund, and further agrees to surrender promptly to the Fund any of such records upon the Fund's request. The Manager further agrees to arrange for the preservation of the records required to be maintained by Rule 31a-1 under the 1940 Act for the periods prescribed by Rule 31a-2 under the 1940 Act.

(b) The Manager shall furnish, at its expense, all necessary services, facilities, equipment and personnel for performing the Manager's services under this Agreement. Other than as herein specifically indicated, the Manager shall not be responsible for the Trust's or the Fund's ordinary and extraordinary expenses, and the Trust or the Fund shall pay the Trust's or the Fund's ordinary and extraordinary expenses. The Manager may agree to provide to the Fund services other than the services that are provided under this Agreement, on such terms as the Manager and the Trust may agree from time to time, and nothing herein shall preclude payment by the Trust or the Fund of compensation to the Manager for any such services rendered pursuant to a written agreement or agreements approved by the Board.

6. From time to time, the Manager shall authorize and permit certain of its directors, officers and employees, who may be elected as Board members or officers of the Trust, to serve in the capacities in which they are elected. The Manager will pay directly or reimburse the Trust for the compensation (if any) of the Trustees who are affiliated persons of the Manager and all officers of the Trust as such, except as the Board may decide.

7. As compensation for the services performed and the facilities furnished and expenses assumed by the Manager, the Fund shall pay the Manager, as promptly as possible after the last day of each month, a fee, computed daily at an annual rate equal to [\_\_\_%] of the Fund's average daily managed assets. "Managed assets" means (a) the total assets of the Fund, including any form of investment leverage, minus (b) all accrued liabilities incurred in the normal course of operations, which shall not include any liabilities or obligations attributable to investment leverage obtained through (i) indebtedness of any type (including, without limitation, borrowing through a credit facility or the issuance of debt securities), (ii) the issuance of preferred stock or other similar preference securities, and/or (iii) any other means. The liquidation preference on any preferred shares is not a liability. If this Agreement is terminated as of any

## Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

date not the last day of a month, the fee payable by the Fund shall be paid as promptly as possible after such date of termination and shall be computed on the basis of the period ending on the last business day on which this Agreement is in effect subject to a pro rata adjustment based on the number of days elapsed in the current month as a percentage of the total number of days in the month.

8. The Manager assumes no responsibility under this Agreement other than to render the services called for hereunder, in good faith, and shall not be liable for any error of judgment or mistake of law, or for any loss arising out of any investment or for any act or omission in the execution of securities or other transactions for the Fund, provided that nothing in this Agreement shall protect the Manager against any liability to the Fund to which the Manager would otherwise be subject by reason of willful misfeasance, bad faith, or gross negligence in the performance of its duties or by reason of its reckless disregard of its obligations and duties hereunder. As used in this paragraph 8, the term "Manager" shall include any affiliates of the Manager performing services for the Trust or the Fund pursuant to this Agreement and the partners, shareholders, directors, officers and employees of the Manager and such affiliates.

9. Nothing in this Agreement shall limit or restrict the right of any director, officer, or employee of the Manager who may also be a Trustee, officer, or employee of the Trust or the Fund, to engage in any other business or to devote his time and attention in part to the management or other aspects of any other business, whether of a similar nature or a dissimilar nature, nor to limit or restrict the right of the Manager to engage in any other business or to render services of any kind, including investment advisory and management services, to any other fund, firm, individual or association. If the purchase or sale of securities or other investments consistent with the investment policies of the Fund or one or more other accounts of the Manager is considered at or about the same time, transactions in such securities or other investments will be allocated among the accounts in a manner deemed equitable by the Manager. Such transactions may be combined, in accordance with applicable laws and regulations, and consistent with the Manager's policies and procedures as presented to the Board from time to time.

10. For the purposes of this Agreement, the terms "assignment," "interested person," and "majority of the outstanding voting securities" shall have the meanings given to them by Section 2(a) of the 1940 Act, and references to the "1940 Act" shall include any rule, regulation or applicable exemptive order of the Securities and Exchange Commission (the "Commission") thereunder and interpretive guidance with respect to the 1940 Act by the Commission or its staff.

11. This Agreement will become effective on the date first above written, provided that it shall have been approved by the Trust's Board and by the shareholders of the Fund in accordance with the requirements of the 1940 Act and, unless sooner terminated as provided herein, will continue in effect until December 31, 2009. Thereafter, if not terminated, this Agreement shall continue in effect, so long as such continuance is specifically approved at least annually (i) by the Board or (ii) by a vote of a majority of the outstanding voting securities of the Fund, provided that in either event the continuance is also approved by a majority of the Trustees who are not interested persons of any party to this Agreement, by vote cast in person at a meeting called for the purpose of voting on such approval.

12. This Agreement is terminable without penalty by the Board or by vote of a majority of the outstanding voting securities of the Fund, in each case on not more than 60 days' nor less than 30 days' written notice to the Manager, or by the Manager upon not less than 60 days' written notice to the Trust, and will be terminated upon the mutual written consent of the Manager and the Trust. This Agreement shall terminate automatically in the event of its assignment.

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

13. The Manager agrees that for services rendered to the Fund, or for any claim by it in connection with services rendered to the Fund, it shall look only to assets of the Fund for satisfaction and that it shall have no

claim against the assets of any other portfolios of the Trust. The undersigned officer of the Trust has executed this Agreement not individually, but as an officer under the Trust's Declaration of Trust and the obligations of this Agreement are not binding upon any of the Trustees, officers or shareholders of the Trust individually.

14. The Trust agrees that in the event that none of the Manager or any of its affiliates acts as an investment adviser to the Fund, the name of the Fund will be changed to one that does not contain the name "Pioneer" or otherwise suggest an affiliation with the Manager.

15. No provision of this Agreement may be changed, waived, discharged or terminated orally, but only by an instrument in writing signed by the party against which enforcement of the change, waiver, discharge or termination is sought, and no material amendment of the Agreement shall be effective until approved, if so required by the 1940 Act, by vote of the holders of a majority of the Fund's outstanding voting securities.

16. This Agreement embodies the entire agreement and understanding between the parties hereto and supersedes all prior agreements and understandings relating to the subject matter hereof. Should any part of this Agreement be held or made invalid by a court decision, statute, rule or otherwise, the remainder of this Agreement shall not be affected thereby. This Agreement shall be binding on and shall inure to the benefit of the parties hereto and their respective successors.

17. This Agreement shall be construed and the provisions hereof interpreted under and in accordance with the laws of The Commonwealth of Massachusetts.

18. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

19. This Agreement amends and restates in its entirety the [management agreement].

[signature page to follow]

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their officers thereunto duly authorized.

[NAME OF TRUST]

By: \_\_\_\_\_  
Name:  
Title:

PIONEER INVESTMENT MANAGEMENT, INC.

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

By: \_\_\_\_\_  
 Name:  
 Title:

EXHIBIT C

OTHER FUNDS ADVISED BY PIONEER

The following table lists certain information regarding funds for which Pioneer provides investment advisory services, other than the funds.

Fund	Net Assets as of 12/31/08	Management Fee (as a percentage of average daily net assets)
Pioneer Bond Fund	843,447,429.81	0.50% up to \$1 billion; 0.45% of the next \$1 billion; and 0.40% on assets over \$2 billion*
Pioneer High Income Municipal Fund	40,022,611.75	0.50% up to \$500 million, 0.475% on the next \$500 million and 0.450% on assets over \$1 billion*
Pioneer AMT-Free Municipal Fund	392,271,086.08	0.50% up to \$250 million, 0.45% of the next \$500 million and 0.40% on assets over \$750 million*
Pioneer Global High Yield Fund	1,031,208,873.40	0.70% up to \$500 million, 0.65% of the next \$500 million, 0.60% of the next \$500 million, 0.55% of the next \$500 million, and 0.45% on assets over \$2 billion*
Pioneer High Yield Fund	1,890,038,330.31	0.70% up to \$500 million, 0.65% of the next \$500 million, 0.60% of the next \$4 billion, 0.55% of the next \$1 billion, 0.50% of the next \$1 billion, 0.45% of the next \$1 billion, 0.40% of the next \$1

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

		billion, 0.35% of the next \$1 billion and 0.30% on assets over \$10 billion*
-----		
Pioneer Tax Free Income Fund	392,593,755.06	0.50% up to \$250 million, 0.45% of the next \$500 million and 0.40% on assets over \$750 million*
-----		
Pioneer Floating Rate Fund	26,000,500.41	0.60% up to \$500 million and 0.55% on assets over \$500 million*
-----		
-----		

\*Pioneer separately has contractually agreed to limit the fund's total expenses.

-----

[LOGO] PIONEER Investments (R) PIONEER FLOATING RATE TRUST PROXY  
ANNUAL MEETING OF SHAREHOLDERS  
TO BE HELD SEPTEMBER 22, 2009

This proxy is solicited on behalf of the Board of Trustees of Pioneer Floating Rate Trust. I (we), the undersigned holder(s) of common shares of beneficial interest, having received notice of the meeting and management's proxy statement therefore, and revoking all prior proxies, hereby appoint John F. Cogan, Jr., Dorothy E. Bourassa and Christopher J. Kelley, and each of them, my (our) attorneys (with full power of substitution in them and each of them) for and in my (our) name(s) to attend the Annual Meeting of Shareholders of Pioneer Floating Rate Trust to be held on September 22, 2009, at 2:00 p.m. (Eastern time) at the offices of Bingham McCutchen LLP, One Federal Street, Boston, Massachusetts 02110, and any adjourned or postponed session or sessions thereof, and to vote and act upon the following matters (as more fully described in the accompanying proxy statement) in respect of all common shares of beneficial interest of Pioneer Floating Rate Trust which I (we) will be entitled to vote or act upon, with all the powers I (we) would possess if personally present.

IN THEIR DISCRETION, THE PROXIES ARE AUTHORIZED TO VOTE UPON SUCH OTHER BUSINESS AS MAY PROPERLY COME BEFORE THE MEETING. THE SHARES REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED.

Note: In signing, please write name(s) exactly as they appear on this proxy. When signing as attorney, executor, administrator or other fiduciary, please give your full title as such. Joint owners should each sign personally.

-----  
Signature(s) [Title(s) if applicable] Date

-----  
Signature of joint owner, if any Date

-----  
^ FOLD HERE ^

YOUR VOTE IS VERY IMPORTANT.

PLEASE COMPLETE, SIGN, DATE AND RETURN THE ENCLOSED PROXY CARD PROMPTLY  
THE COMMON SHARES OF BENEFICIAL INTEREST REPRESENTED BY THIS PROXY WILL BE VOTED  
AS DIRECTED BY THE UNDERSIGNED. IF THE PROXY IS SIGNED BUT NO DIRECTION IS  
GIVEN, THIS PROXY WILL BE VOTED FOR THE PROPOSAL.

THIS PROXY IS SOLICITED BY THE BOARD OF TRUSTEES OF PIONEER FLOATING RATE TRUST  
AND SHOULD BE RETURNED AS SOON AS POSSIBLE IN THE ENVELOPE PROVIDED. THE BOARD  
RECOMMENDS THAT YOU VOTE IN FAVOR OF THE FOLLOWING PROPOSAL:

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK:

- |    |   |            |            |
|----|---|------------|------------|
| 1. | To elect two Class III trustees of Pioneer Floating Rate Trust, as named in the attached proxy statement, to serve on the Board of Trustees until their successors have been duly elected and qualified. The nominees for trustees are: | FOR<br>ALL | WIT<br>ALL |
|    |   | [ ]        | [ ]        |

- |                  |                     |
|------------------|---------------------|
| 01. Mary K. Bush | 02. Thomas J. Perna |
|------------------|---------------------|

To withhold authority to vote "FOR" any individual nominee, mark the "FOR ALL EXCEPT" box and write the nominee's number(s) on the line provided below.

- |    |  |     |     |
|----|--|-----|-----|
| 2. | To approve an Amended and Restated Management Agreement with Pioneer Investment Management, Inc. | FOR | AGA |
|    |  | [ ] | [ ] |

-----  
YOUR VOTE IS IMPORTANT. PLEASE COMPLETE, SIGN, DATE AND RETURN YOUR PROXY TODAY.  
YOU CAN FIND THE PROXY STATEMENT ONLINE AT:  
[www.proxyonline.com/docs/pioneerclosedendfunds](http://www.proxyonline.com/docs/pioneerclosedendfunds)

-----  
SCANNER BAR CODE  
COMMON  
TAG ID: 12345678  
CUSIP: 72369J102  
-----

[LOGO]PIONEER  
Investments (R)                      PIONEER FLOATING RATE TRUST                      PROXY  
  
ANNUAL MEETING OF SHAREHOLDERS  
TO BE HELD SEPTEMBER 22, 2009

This proxy is solicited on behalf of the Board of Trustees of Pioneer Floating Rate Trust. I (we), the undersigned holder(s) of preferred shares of beneficial interest, having received notice of the meeting and management's proxy statement therefore, and revoking all prior proxies, hereby appoint John F. Cogan, Jr., Dorothy E. Bourassa and Christopher J. Kelley, and each of them, my (our)

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

attorneys (with full power of substitution in them and each of them) for and in my (our) name(s) to attend the Annual Meeting of Shareholders of Pioneer Floating Rate Trust to be held on September 22, 2009, at 2:00 p.m. (Eastern time) at the offices of Bingham McCutchen LLP, One Federal Street, Boston, Massachusetts 02110, and any adjourned or postponed session or sessions thereof, and to vote and act upon the following matters (as more fully described in the accompanying proxy statement) in respect of all preferred shares of beneficial interest of Pioneer Floating Rate Trust which I (we) will be entitled to vote or act upon, with all the powers I (we) would possess if personally present.

IN THEIR DISCRETION, THE PROXIES ARE AUTHORIZED TO VOTE UPON SUCH OTHER BUSINESS AS MAY PROPERLY COME BEFORE THE MEETING. THE SHARES REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED.

Note: In signing, please write name(s) exactly as they appear on this proxy. When signing as attorney, executor, administrator or other fiduciary, please give your full title as such. Joint owners should each sign personally.

-----  
 Signature(s) [Title(s) if applicable]                      Date  
 -----  
 Signature of joint owner, if any                                      Date  
 -----

^ FOLD HERE ^

YOUR VOTE IS VERY IMPORTANT.

PLEASE COMPLETE, SIGN, DATE AND RETURN THE ENCLOSED PROXY CARD PROMPTLY

THE PREFERRED SHARES OF BENEFICIAL INTEREST REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED. IF THE PROXY IS SIGNED BUT NO DIRECTION IS GIVEN, THIS PROXY WILL BE VOTED FOR THE PROPOSAL.

THIS PROXY IS SOLICITED BY THE BOARD OF TRUSTEES OF PIONEER FLOATING RATE TRUST AND SHOULD BE RETURNED AS SOON AS POSSIBLE IN THE ENVELOPE PROVIDED. THE BOARD RECOMMENDS THAT YOU VOTE IN FAVOR OF THE FOLLOWING PROPOSAL:

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK:

1. To elect three Class III trustees of Pioneer Floating Rate Trust, as named in the attached proxy statement, to serve on the Board of Trustees until their successors have been duly elected and qualified. The nominees for trustees are:

FOR     WIT  
 ALL     ALL  
 [   ]   [   ]

01. Mary K. Bush 02. Thomas J. Perna 03. Marguerite A. Piret

To withhold authority to vote "FOR" any individual nominee, mark the "FOR ALL EXCEPT" box and write the nominee's number(s) on the line provided below.

2. To approve an Amended and Restated Management Agreement with Pioneer Investment Management, Inc.

FOR     AGA  
 [   ]   [   ]

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

YOUR VOTE IS IMPORTANT. PLEASE COMPLETE, SIGN, DATE AND RETURN YOUR PROXY TODAY. YOU CAN FIND THE PROXY STATEMENT ONLINE AT: www.proxyonline.com/docs/pioneerclosedendfunds

-----  
SCANNER BAR CODE  
PREFERRED  
TAG ID: 12345678 CUSIP: 72369J201, 300, 409  
-----

[LOGO]PIONEER  
Investments (R) PIONEER HIGH INCOME TRUST PROXY  
ANNUAL MEETING OF SHAREHOLDERS  
TO BE HELD SEPTEMBER 22, 2009

This proxy is solicited on behalf of the Board of Trustees of Pioneer High Income Trust. I (we), the undersigned holder(s) of common shares of beneficial interest, having received notice of the meeting and management's proxy statement therefore, and revoking all prior proxies, hereby appoint John F. Cogan, Jr., Dorothy E. Bourassa and Christopher J. Kelley, and each of them, my (our) attorneys (with full power of substitution in them and each of them) for and in my (our) name(s) to attend the Annual Meeting of Shareholders of Pioneer High Income Trust to be held on September 22, 2009, at 2:00 p.m. (Eastern time) at the offices of Bingham McCutchen LLP, One Federal Street, Boston, Massachusetts 02110, and any adjourned or postponed session or sessions thereof, and to vote and act upon the following matters (as more fully described in the accompanying proxy statement) in respect of all common shares of beneficial interest of Pioneer High Income Trust which I (we) will be entitled to vote or act upon, with all the powers I (we) would possess if personally present.

IN THEIR DISCRETION, THE PROXIES ARE AUTHORIZED TO VOTE UPON SUCH OTHER BUSINESS AS MAY PROPERLY COME BEFORE THE MEETING. THE SHARES REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED.

Note: In signing, please write name(s) exactly as they appear on this proxy. When signing as attorney, executor, administrator or other fiduciary, please give your full title as such. Joint owners should each sign personally.

-----  
Signature(s) [Title(s) if applicable] Date

-----  
Signature of joint owner, if any Date

-----  
^ FOLD HERE ^

YOUR VOTE IS VERY IMPORTANT.

PLEASE COMPLETE, SIGN, DATE AND RETURN THE ENCLOSED PROXY CARD PROMPTLY

THE COMMON SHARES OF BENEFICIAL INTEREST REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED. IF THE PROXY IS SIGNED BUT NO DIRECTION IS GIVEN, THIS PROXY WILL BE VOTED FOR THE PROPOSAL.



**Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A**

THIS PROXY IS SOLICITED BY THE BOARD OF TRUSTEES OF PIONEER HIGH INCOME TRUST AND SHOULD BE RETURNED AS SOON AS POSSIBLE IN THE ENVELOPE PROVIDED. THE BOARD RECOMMENDS THAT YOU VOTE IN FAVOR OF THE FOLLOWING PROPOSAL:

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK:

1. To elect two Class I trustees of Pioneer High Income Trust, as named in the attached proxy statement, to serve on the Board of Trustees until their successors have been duly elected and qualified. The nominees for trustees are:

FOR WIT  
ALL ALL  
[ ] [

01. Mary K. Bush      02. Thomas J. Perna

To withhold authority to vote "FOR" any individual nominee, mark the "FOR ALL EXCEPT" box and write the nominee's number(s) on the line provided below.

2. To approve an Amended and Restated Management Agreement with Pioneer Investment Management, Inc.

FOR AGA  
[ ] [

-----  
YOUR VOTE IS IMPORTANT. PLEASE COMPLETE, SIGN, DATE AND RETURN YOUR PROXY TODAY. YOU CAN FIND THE PROXY STATEMENT ONLINE AT:  
[www.proxyonline.com/docs/pioneerclosedendfunds](http://www.proxyonline.com/docs/pioneerclosedendfunds)

-----  
SCANNER BAR CODE                      COMMON

TAG ID: 12345678  
CUSIP: 72369H106  
-----

[LOGO]PIONEER  
Investments (R)                      PIONEER HIGH INCOME TRUST                      PROXY  
  
ANNUAL MEETING OF SHAREHOLDERS  
TO BE HELD SEPTEMBER 22, 2009

This proxy is solicited on behalf of the Board of Trustees of Pioneer High Income Trust. I (we), the undersigned holder(s) of preferred shares of beneficial interest, having received notice of the meeting and management's proxy statement therefore, and revoking all prior proxies, hereby appoint John F. Cogan, Jr., Dorothy E. Bourassa and Christopher J. Kelley, and each of them, my (our) attorneys (with full power of substitution in them and each of them) for and in my (our) name(s) to attend the Annual Meeting of Shareholders of Pioneer High Income Trust to be held on September 22, 2009, at 2:00 p.m. (Eastern time) at the offices of Bingham McCutchen LLP, One Federal Street, Boston, Massachusetts 02110, and any adjourned or postponed session or sessions thereof, and to vote and act upon the following matters (as more fully described in the accompanying proxy statement) in respect of all preferred shares of beneficial interest of Pioneer High Income Trust which I (we) will be entitled to vote or act upon, with all the powers I (we) would possess if personally present.

IN THEIR DISCRETION, THE PROXIES ARE AUTHORIZED TO VOTE UPON SUCH OTHER BUSINESS AS MAY PROPERLY COME BEFORE THE MEETING. THE SHARES REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED.

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Note: In signing, please write name(s) exactly as they appear on this proxy. When signing as attorney, executor, administrator or other fiduciary, please give your full title as such. Joint owners should each sign personally.

-----  
Signature(s) [Title(s) if applicable] Date

-----  
Signature of joint owner, if any Date

-----  
^ FOLD HERE ^

YOUR VOTE IS VERY IMPORTANT.

PLEASE COMPLETE, SIGN, DATE AND RETURN THE ENCLOSED PROXY CARD PROMPTLY

THE PREFERRED SHARES OF BENEFICIAL INTEREST REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED. IF THE PROXY IS SIGNED BUT NO DIRECTION IS GIVEN, THIS PROXY WILL BE VOTED FOR THE PROPOSAL.

THIS PROXY IS SOLICITED BY THE BOARD OF TRUSTEES OF PIONEER HIGH INCOME TRUST AND SHOULD BE RETURNED AS SOON AS POSSIBLE IN THE ENVELOPE PROVIDED. THE BOARD RECOMMENDS THAT YOU VOTE IN FAVOR OF THE FOLLOWING PROPOSAL:

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK:

1. To elect three Class I trustees of Pioneer High Income Trust, as named in the attached proxy statement, to serve on the Board of Trustees until their successors have been duly elected and qualified. The nominees for trustees are:

FOR WIT  
ALL ALL  
[ ] [ ]

01. Mary K. Bush      02. Thomas J. Perna      03. Marguerite A. Piret

To withhold authority to vote "FOR" any individual nominee, mark the "FOR ALL EXCEPT" box and write the nominee's number(s) on the line provided below.

2. To approve an Amended and Restated Management Agreement with Pioneer Investment Management, Inc.

FOR AGA  
[ ] [ ]

-----  
YOUR VOTE IS IMPORTANT. PLEASE COMPLETE, SIGN, DATE AND RETURN YOUR PROXY TODAY. YOU CAN FIND THE PROXY STATEMENT ONLINE AT:  
[www.proxyonline.com/docs/pioneerclosedendfunds](http://www.proxyonline.com/docs/pioneerclosedendfunds)

-----  
SCANNER BAR CODE  
PREFERRED  
TAG ID: 12345678 CUSIP: 72369H205, 304, 403  
-----

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

[LOGO] PIONEER

Investmnets (R) PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST PROXY

ANNUAL MEETING OF SHAREHOLDERS
TO BE HELD SEPTEMBER 22, 2009

This proxy is solicited on behalf of the Board of Trustees of Pioneer Municipal High Income Advantage Trust. I (we), the undersigned holder(s) of common shares of beneficial interest, having received notice of the meeting and management's proxy statement therefore, and revoking all prior proxies, hereby appoint John F. Cogan, Jr., Dorothy E. Bourassa and Christopher J. Kelley, and each of them, my (our) attorneys (with full power of substitution in them and each of them) for and in my (our) name(s) to attend the Annual Meeting of Shareholders of Pioneer Municipal High Income Advantage Trust to be held on September 22, 2009, at 2:00 p.m. (Eastern time) at the offices of Bingham McCutchen LLP, One Federal Street, Boston, Massachusetts 02110, and any adjourned or postponed session or sessions thereof, and to vote and act upon the following matters (as more fully described in the accompanying proxy statement) in respect of all common shares of beneficial interest of Pioneer Municipal High Income Advantage Trust which I (we) will be entitled to vote or act upon, with all the powers I (we) would possess if personally present.

IN THEIR DISCRETION, THE PROXIES ARE AUTHORIZED TO VOTE UPON SUCH OTHER BUSINESS AS MAY PROPERLY COME BEFORE THE MEETING. THE SHARES REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED.

Note: In signing, please write name(s) exactly as they appear on this proxy. When signing as attorney, executor, administrator or other fiduciary, please give your full title as such. Joint owners should each sign personally.

Signature(s) [Title(s) if applicable] Date

Signature of joint owner, if any Date

^ FOLD HERE ^

YOUR VOTE IS VERY IMPORTANT.

PLEASE COMPLETE, SIGN, DATE AND RETURN THE ENCLOSED PROXY CARD PROMPTLY

THE COMMON SHARES OF BENEFICIAL INTEREST REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED. IF THE PROXY IS SIGNED BUT NO DIRECTION IS GIVEN, THIS PROXY WILL BE VOTED FOR THE PROPOSAL.

THIS PROXY IS SOLICITED BY THE BOARD OF TRUSTEES OF PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST AND SHOULD BE RETURNED AS SOON AS POSSIBLE IN THE ENVELOPE PROVIDED. THE BOARD RECOMMENDS THAT YOU VOTE IN FAVOR OF THE FOLLOWING PROPOSAL:

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK:

- 1. To elect two Class III trustees of Pioneer Municipal High Income Advantage Trust, as named in the attached proxy statement, to serve on the Board of Trustees until their successors have been duly elected and qualified. The

FOR WIT
ALL ALL

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

nominees for trustees are:

[ ] [ ]

- 01. Mary K. Bush
- 02. Thomas J. Perna

To withhold authority to vote "FOR" any individual nominee, mark the "FOR ALL EXCEPT" box and write the nominee's number(s) on the line provided below.

- 2. To approve an Amended and Restated Management Agreement with Pioneer Investment Management, Inc.

FOR AGA

[ ] [ ]

YOUR VOTE IS IMPORTANT. PLEASE COMPLETE, SIGN, DATE AND RETURN YOUR PROXY TODAY. YOU CAN FIND THE PROXY STATEMENT ONLINE AT: www.proxyonline.com/docs/pioneerclosedendfunds

SCANNER BAR CODE  
COMMON  
TAG ID: 12345678  
CUSIP: 723762100

[LOGO]PIONEER  
Investmets(R) PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST PROXY  
ANNUAL MEETING OF SHAREHOLDERS  
TO BE HELD SEPTEMBER 22, 2009

This proxy is solicited on behalf of the Board of Trustees of Pioneer Municipal High Income Advantage Trust. I (we), the undersigned holder(s) of preferred shares of beneficial interest, having received notice of the meeting and management's proxy statement therefore, and revoking all prior proxies, hereby appoint John F. Cogan, Jr., Dorothy E. Bourassa and Christopher J. Kelley, and each of them, my (our) attorneys (with full power of substitution in them and each of them) for and in my (our) name(s) to attend the Annual Meeting of Shareholders of Pioneer Municipal High Income Advantage Trust to be held on September 22, 2009, at 2:00 p.m. (Eastern time) at the offices of Bingham McCutchen LLP, One Federal Street, Boston, Massachusetts 02110, and any adjourned or postponed session or sessions thereof, and to vote and act upon the following matters (as more fully described in the accompanying proxy statement) in respect of all preferred shares of beneficial interest of Pioneer Municipal High Income Advantage Trust which I (we) will be entitled to vote or act upon, with all the powers I (we) would possess if personally present.

IN THEIR DISCRETION, THE PROXIES ARE AUTHORIZED TO VOTE UPON SUCH OTHER BUSINESS AS MAY PROPERLY COME BEFORE THE MEETING. THE SHARES REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED.

Note: In signing, please write name(s) exactly as they appear on this proxy. When signing as attorney, executor, administrator or other fiduciary, please give your full title as such. Joint owners should each sign personally.

-----  
Signature(s) [Title(s) if applicable] Date  
-----  
Signature of joint owner, if any Date



Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

proxy statement therefore, and revoking all prior proxies, hereby appoint John F. Cogan, Jr., Dorothy E. Bourassa and Christopher J. Kelley, and each of them, my (our) attorneys (with full power of substitution in them and each of them) for and in my (our) name(s) to attend the Annual Meeting of Shareholders of Pioneer Municipal High Income Trust to be held on September 22, 2009, at 2:00 p.m. (Eastern time) at the offices of Bingham McCutchen LLP, One Federal Street, Boston, Massachusetts 02110, and any adjourned or postponed session or sessions thereof, and to vote and act upon the following matters (as more fully described in the accompanying proxy statement) in respect of all common shares of beneficial interest of Pioneer Municipal High Income Trust which I (we) will be entitled to vote or act upon, with all the powers I (we) would possess if personally present.

IN THEIR DISCRETION, THE PROXIES ARE AUTHORIZED TO VOTE UPON SUCH OTHER BUSINESS AS MAY PROPERLY COME BEFORE THE MEETING. THE SHARES REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED.

Note: In signing, please write name(s) exactly as they appear on this proxy. When signing as attorney, executor, administrator or other fiduciary, please give your full title as such. Joint owners should each sign personally.

-----  
 Signature(s) [Title(s) if applicable]                      Date

-----  
 Signature of joint owner, if any                                      Date

-----  
 ^ FOLD HERE ^

YOUR VOTE IS VERY IMPORTANT.

PLEASE COMPLETE, SIGN, DATE AND RETURN THE ENCLOSED PROXY CARD PROMPTLY

THE COMMON SHARES OF BENEFICIAL INTEREST REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED. IF THE PROXY IS SIGNED BUT NO DIRECTION IS GIVEN, THIS PROXY WILL BE VOTED FOR THE PROPOSAL.

THIS PROXY IS SOLICITED BY THE BOARD OF TRUSTEES OF PIONEER MUNICIPAL HIGH INCOME TRUST AND SHOULD BE RETURNED AS SOON AS POSSIBLE IN THE ENVELOPE PROVIDED. THE BOARD RECOMMENDS THAT YOU VOTE IN FAVOR OF THE FOLLOWING PROPOSAL:

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK: [x]

1. To elect two Class III trustees of Pioneer Municipal High Income Trust, as named in the attached proxy statement, to serve on the Board of Trustees until their successors have been duly elected and qualified. The nominees for trustees are:

01. Mary K. Bush                      02. Thomas J. Perna

FOR      WIT  
 ALL      A

[ ]      [ ]

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

To withhold authority to vote "FOR" any individual nominee, mark the "FOR ALL EXCEPT" box and write the nominee's number(s) on the line provided below.

- 2. To approve an Amended and Restated Management Agreement with Pioneer Investment Management, Inc. FOR AGA

[ ] [ ]

-----

YOUR VOTE IS IMPORTANT. PLEASE COMPLETE, SIGN,  
DATE AND RETURN YOUR PROXY TODAY.

YOU CAN FIND THE PROXY STATEMENT ONLINE AT:  
[www.proxyonline.com/docs/pioneerclosedendfunds](http://www.proxyonline.com/docs/pioneerclosedendfunds)

-----

SCANNER BAR CODE  
COMMON  
TAG ID: 12345678  
CUSIP: 723763108

-----

[LOGO]PIONEER Investments (R)

PIONEER MUNICIPAL HIGH INCOME TRUST PROXY

ANNUAL MEETING OF SHAREHOLDERS  
TO BE HELD SEPTEMBER 22, 2009

This proxy is solicited on behalf of the Board of Trustees of Pioneer Municipal High Income Trust. I (we), the undersigned holder(s) of preferred shares of beneficial interest, having received notice of the meeting and management's proxy statement therefore, and revoking all prior proxies, hereby appoint John F. Cogan, Jr., Dorothy E. Bourassa and Christopher J. Kelley, and each of them, my (our) attorneys (with full power of substitution in them and each of them) for and in my (our) name(s) to attend the Annual Meeting of Shareholders of Pioneer Municipal High Income Trust to be held on September 22, 2009, at 2:00 p.m. (Eastern time) at the offices of Bingham McCutchen LLP, One Federal Street, Boston, Massachusetts 02110, and any adjourned or postponed session or sessions thereof, and to vote and act upon the following matters (as more fully described in the accompanying proxy statement) in respect of all preferred shares of beneficial interest of Pioneer Municipal High Income Trust which I (we) will be entitled to vote or act upon, with all the powers I (we) would possess if personally present.

IN THEIR DISCRETION, THE PROXIES ARE AUTHORIZED TO VOTE UPON SUCH OTHER BUSINESS AS MAY PROPERLY COME BEFORE THE MEETING. THE SHARES REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED.

Note: In signing, please write name(s) exactly as they appear on this proxy. When signing as attorney, executor, administrator or other fiduciary, please give your full title as such. Joint owners should each sign personally.

-----

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Signature(s) [Title(s) if applicable] Date

Signature of joint owner, if any Date

^ FOLD HERE ^

YOUR VOTE IS VERY IMPORTANT.

PLEASE COMPLETE, SIGN, DATE AND RETURN THE ENCLOSED PROXY CARD PROMPTLY

THE PREFERRED SHARES OF BENEFICIAL INTEREST REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED. IF THE PROXY IS SIGNED BUT NO DIRECTION IS GIVEN, THIS PROXY WILL BE VOTED FOR THE PROPOSAL.

THIS PROXY IS SOLICITED BY THE BOARD OF TRUSTEES OF PIONEER MUNICIPAL HIGH INCOME TRUST AND SHOULD BE RETURNED AS SOON AS POSSIBLE IN THE ENVELOPE PROVIDED. THE BOARD RECOMMENDS THAT YOU VOTE IN FAVOR OF THE FOLLOWING PROPOSAL:

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK: [x]

1. To elect three Class III trustees of Pioneer Municipal High Income Trust, as named in the attached proxy statement, to serve on the Board of Trustees until their successors have been duly elected and qualified. The nominees for trustees are:

FOR ALL WIT A

01. Mary K. Bush 02. Thomas J. Perna 03. Marguerite A. Piret [ ] [ ]

To withhold authority to vote "FOR" any individual nominee, mark the "FOR ALL EXCEPT" box and write the nominee's number(s) on the line provided below.

2. To approve an Amended and Restated Management Agreement with Pioneer Investment Management, Inc.

FOR AGA [ ] [ ]

YOUR VOTE IS IMPORTANT. PLEASE COMPLETE, SIGN, DATE AND RETURN YOUR PROXY TODAY.

YOU CAN FIND THE PROXY STATEMENT ONLINE AT: www.proxyonline.com/docs/pioneerclosedendfunds

SCANNER BAR CODE PREFERRED TAG ID: 12345678 CUSIP: 723763207, 306

[LOGO] PIONEER



Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

Investments (R)

PIONEER DIVERSIFIED HIGH INCOME TRUST

PROXY

ANNUAL MEETING OF SHAREHOLDERS  
TO BE HELD SEPTEMBER 22, 2009

This proxy is solicited on behalf of the Board of Trustees of Pioneer Diversified High Income Trust. I (we), the undersigned holder(s) of common shares of beneficial interest, having received notice of the meeting and management's proxy statement therefore, and revoking all prior proxies, hereby appoint John F. Cogan, Jr., Dorothy E. Bourassa and Christopher J. Kelley, and each of them, my (our) attorneys (with full power of substitution in them and each of them) for and in my (our) name(s) to attend the Annual Meeting of Shareholders of Pioneer Diversified High Income Trust to be held on September 22, 2009, at 2:00 p.m. (Eastern time) at the offices of Bingham McCutchen LLP, One Federal Street, Boston, Massachusetts 02110, and any adjourned or postponed session or sessions thereof, and to vote and act upon the following matters (as more fully described in the accompanying proxy statement) in respect of all common shares of beneficial interest of Pioneer Diversified High Income Trust which I (we) will be entitled to vote or act upon, with all the powers I (we) would possess if personally present.

IN THEIR DISCRETION, THE PROXIES ARE AUTHORIZED TO VOTE UPON SUCH OTHER BUSINESS AS MAY PROPERLY COME BEFORE THE MEETING. THE SHARES REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED.

Note: In signing, please write name(s) exactly as they appear on this proxy. When signing as attorney, executor, administrator or other fiduciary, please give your full title as such. Joint owners should each sign personally.

\_\_\_\_\_  
Signature(s) [Title(s) if applicable] Date

\_\_\_\_\_  
Signature of joint owner, if any Date

-----  
^ FOLD HERE ^

YOUR VOTE IS VERY IMPORTANT.

PLEASE COMPLETE, SIGN, DATE AND RETURN THE ENCLOSED PROXY CARD PROMPTLY

THE COMMON SHARES OF BENEFICIAL INTEREST REPRESENTED BY THIS PROXY WILL BE VOTED AS DIRECTED BY THE UNDERSIGNED. IF THE PROXY IS SIGNED BUT NO DIRECTION IS GIVEN, THIS PROXY WILL BE VOTED FOR THE PROPOSAL.

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST - Form DEF 14A

THIS PROXY IS SOLICITED BY THE BOARD OF TRUSTEES OF PIONEER DIVERSIFIED HIGH INCOME TRUST AND SHOULD BE RETURNED AS SOON AS POSSIBLE IN THE ENVELOPE PROVIDED. THE BOARD RECOMMENDS THAT YOU VOTE IN FAVOR OF THE FOLLOWING PROPOSAL:

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK: [ ]

- 1. To elect three Class II trustees of Pioneer Diversified High Income Trust, as named in the attached proxy statement, to serve on the Board of Trustees until their successors have been duly elected and qualified. The nominees for trustees are:

FOR  
ALL

01. Mary K. Bush                    02. Thomas J. Perna                    03. Marguerite A. Piret

[ ]

To withhold authority to vote "FOR" any individual nominee, mark the "FOR ALL EXCEPT" box and write the nominee's number(s) on the line provided below.

- 2. To approve an Amended and Restated Management Agreement with Pioneer Investment Management, Inc.

FOR

-----

[ ]

YOUR VOTE IS IMPORTANT. PLEASE COMPLETE, SIGN, DATE AND RETURN YOUR PROXY TODAY.

YOU CAN FIND THE PROXY STATEMENT ONLINE AT:  
[www.proxyonline.com/docs/pioneerclosedendfunds](http://www.proxyonline.com/docs/pioneerclosedendfunds)

SCANNER BAR CODE COMMON

TAG ID: 12345678 CUSIP: 723653101