

PIONEER MUNICIPAL HIGH INCOME TRUST  
Form N-PX  
August 20, 2012

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

FORM N-PX  
ANNUAL REPORT OF PROXY VOTING RECORD OF REGISTERED  
MANAGEMENT INVESTMENT COMPANIES  
Investment Company Act file number 811-21321  
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Pioneer Municipal High Income Trust  
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(Exact name of registrant as specified in charter)

60 State Street Boston, MA 02109  
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(Address of principal executive offices)

Terrence J. Cullen  
60 State Street  
Boston, MA 02109  
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(Name and address of agent for service)

Registrant's telephone number, including area code: (617) 742-7825

Date of fiscal year end: April 30

Date of reporting period: July 1, 2011 to June 30, 2012

SIGNATURES

Pursuant to the requirements of the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) Pioneer Municipal High Income Trust

By (Signature and Title) /s/ John F. Cogan, Jr.  
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John F. Cogan, Jr., President

Date August 20, 2012  
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===== Pioneer Municipal High Income Trust =====

DELTA AIR LINES, INC.

Ticker: DAL Security ID: 247361702  
 Meeting Date: JUN 15, 2012 Meeting Type: Annual  
 Record Date: APR 20, 2012

#	Proposal	Mgt Rec	Vote Cast	Sponsor
1	Elect Director Richard H. Anderson	For	For	Management
2	Elect Director Edward H. Bastian	For	For	Management
3	Elect Director Roy J. Bostock	For	For	Management
4	Elect Director John S. Brinzo	For	For	Management
5	Elect Director Daniel A. Carp	For	For	Management
6	Elect Director David G. DeWalt	For	For	Management
7	Elect Director Mickey P. Foret	For	For	Management
8	Elect Director Shirley C. Franklin	For	For	Management
9	Elect Director David R. Goode	For	For	Management
10	Elect Director Paula Rosput Reynolds	For	For	Management
11	Elect Director Kenneth C. Rogers	For	For	Management
12	Elect Director Kenneth B. Woodrow	For	For	Management
13	Advisory Vote to Ratify Named Executive Officers' Compensation	For	For	Management
14	Amend Omnibus Stock Plan	For	For	Management
15	Ratify Auditors	For	For	Management

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 LANGHORNE MANOR BORO PA HIGHERED & HEALTH AUTH REV

Ticker: Security ID: 515741BX3  
 Meeting Date: NOV 10, 2011 Meeting Type: Written Consent  
 Record Date: SEP 14, 2011

#	Proposal	Mgt Rec	Vote Cast	Sponsor
1	To Accept The Plan	None	For	Management

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 MASSACHUSETTS ST HEALTH & EDL FACS AUTH REV

Ticker: Security ID: 57586CZ99  
 Meeting Date: NOV 02, 2011 Meeting Type: Written Consent  
 Record Date: OCT 03, 2011

#	Proposal	Mgt Rec	Vote Cast	Sponsor
1	The Plan	None	For	Management

===== END NPX REPORT