

PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST  
Form DEFA14A  
September 15, 2009

Shareholder Proxy Services  
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IMPORTANT MATTER

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Re: Pioneer Municipal High Income Advantage Trust (NYSE: MAV)  
Cusip: 723762100

Dear Shareholder:

Our firm has been retained by Pioneer Municipal High Income Advantage Trust to contact you regarding your investment in common shares of the Trust, as of record date July 9, 2009. We have attempted to contact you, but have yet to be successful.

Please contact us immediately at 1-800-232-1064 between the hours of 9:00 a.m. and 11:00 p.m., Eastern Standard Time.

Thank you in advance for your assistance with this matter.

Sincerely,

Fred Bonnell  
Investor Relations Supervisor  
Shareholder Services  
The Altman Group

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60 East 42nd Street, New York, New York 10165