

FEDERATED PREMIER MUNICIPAL INCOME FUND  
Form N-PX  
August 26, 2010

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United States  
Securities and Exchange Commission  
Washington, DC 20549

FORM N-PX

ANNUAL REPORT OF PROXY VOTING RECORD OF REGISTERED MANAGEMENT INVESTMENT  
COMPANY

Investment Company Act file number: 811-21235

Federated Premier Municipal Income Fund  
(Exact name of registrant as specified in charter)

4000 Ericsson Drive  
Warrendale, PA 15086-7561  
(Address of principal executive offices) (Zip code)

John W. McGonigle, Esquire  
Federated Investors, Inc.  
Federated Investors Tower  
1001 Liberty Avenue  
Pittsburgh, PA 15222-3779  
(Name and address of agent for service)

Registrant's telephone number, including area code: 412-288-1900

Date of reporting period: 7/1/2009 through 6/30/2010

Item 1. Proxy Voting Record.

Federated Premier Municipal Income Fund

There were no matters relating to a portfolio security considered at any shareholder meeting held during the period covered by this report and with respect to which the above-named fund was entitled to vote.

SIGNATURES

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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)                      Federated Premier Municipal Income Fund

By (Signature and Title)\*      /s/ J. Christopher Donahue  
   J. Christopher Donahue  
   Principal Executive Officer

Date:                                  August 26, 2010

\* Print the name and title of each signing officer under his or her signature.