FORM N-PX

ANNUAL REPORT OF PROXY VOTING RECORD OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-10345

Nuveen Enhanced Municipal Credit Opportunities Fund

(Exact name of registrant as specified in charter)

333 West Wacker Drive, Chicago, Illinois 60606

(Address of principal executive offices) (Zip Code)

Gifford R. Zimmerman Chief Administrative Officer

(Name and address of agent for service)

Registrant s telephone number, including area code: 312-917-7700

Date of fiscal year-end: October 31

Date of reporting period: June 30, 2016

Item 1. Proxy Voting Record

ICA File Number: 811-10345

Reporting Period: 07/01/2015 - 06/30/2016

Nuveen Enhanced Municipal Credit Opportunities Fund

====== Nuveen Enhanced Municipal Credit Opportunities Fund ========

BLACKROCK MUNIHOLDINGS FUND, INC.

Ticker: MHD Security ID: 09253N104 Meeting Date: JUL 29, 2015 Meeting Type: Annual

Record Date: JUN 01, 2015

#	Proposal	Mgt Rec	Vote Cast	Sponsor
1.1	Elect Director Michael J. Castellano	For	For	Management
1.2	Elect Director Richard E. Cavanagh	For	For	Management
1.3	Elect Director Kathleen F. Feldstein	For	For	Management
1.4	Elect Director James T. Flynn	For	For	Management
1.5	Elect Director Jerrold B. Harris	For	For	Management
1.6	Elect Director R. Glenn Hubbard	For	For	Management
1.7	Elect Director Barbara G. Novick	For	For	Management
1.8	Elect Director John M. Perlowski	For	For	Management
1.9	Elect Director Karen P. Robards	For	For	Management

DEUTSCHE MUNICIPAL INCOME TRUST

Ticker: KTF Security ID: 25160C106
Meeting Date: SEP 30, 2015 Meeting Type: Annual

Record Date: JUL 08, 2015

#	Proposal	Mgt Rec	Vote Cast	Sponsor
1.1	Elect Director Dawn-Marie Driscoll	For	For	Management
1.2	Elect Director Richard J. Herring	For	For	Management
1.3	Elect Director William N. Searcy, Jr.	For	For	Management

DREYFUS STRATEGIC MUNICIPALS, INC.

Ticker: LEO Security ID: 261932107
Meeting Date: JUN 08, 2016 Meeting Type: Annual

Record Date: MAR 31, 2016

#	Proposal	Mgt Rec	Vote Cast	Sponsor
1.1	Elect Director Joseph S. DiMartino	For	For	Management
1.2	Elect Director Joni Evans	For	For	Management

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1.3 Elect Director Benaree Pratt Wiley For For Management

INVESCO MUNICIPAL OPPORTUNITY TRUST

Ticker: VMO Security ID: 46132C107 Meeting Date: AUG 26, 2015 Meeting Type: Annual

Record Date: JUN 30, 2015

#	Proposal	Mgt Rec	Vote Cast	Sponsor
1a.1	Elect Director James T. Bunch	For	For	Management
1a.2	Elect Director Bruce L. Crockett	For	For	Management
1a.3	Elect Director Rodney F. Dammeyer	For	For	Management
1a.4	Elect Director Jack M. Fields	For	For	Management
1a.5	Elect Director Martin L. Flanagan	For	For	Management

INVESCO TRUST FOR INVESTMENT GRADE MUNICIPALS

Ticker: VGM Security ID: 46131M106 Meeting Date: AUG 26, 2015 Meeting Type: Annual

Record Date: JUN 30, 2015

#	Proposal	Mgt Rec	Vote Cast	Sponsor
1a.1	Elect Director James T. Bunch	For	For	Management
1a.2	Elect Director Bruce L. Crockett	For	For	Management
1a.3	Elect Director Rodney F. Dammeyer	For	For	Management
1a.4	Elect Director Jack M. Fields	For	For	Management
1a.5	Elect Director Martin L. Flanagan	For	For	Management

PIMCO MUNICIPAL INCOME FUND II

Ticker: PML Security ID: 72200W106
Meeting Date: DEC 23, 2015 Meeting Type: Annual

Record Date: NOV 02, 2015

Proposal Mgt Rec Vote Cast Sponsor
1.1 Elect Director Alan Rappaport For For Management
1.2 Elect Director William B. Ogden, IV For For Management

====== END NPX REPORT

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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.

Nuveen Enhanced Municipal Credit Opportunities Fund

By /s/ Gifford R. Zimmerman

Gifford R. Zimmerman Chief Administrative Officer

Date

August 29, 2016