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nuveen
A TIAA Company

2020 TAX INFORMATION LETTER
Nuveen Taxable Closed-End Funds

Nuveen Core Equity Alpha Fund (JCE)
Nuveen Corporate Income 2023 Target Term Fund (JHAA)
Nuveen Corporate Income November 2021 Target Term Fund (JHB)
Nuveen Credit Opportunities 2022 Target Term Fund (JCO)
Nuveen Credit Strategies Income Fund (JQC)
Nuveen Diversified Dividend and Income Fund (JDD)
Nuveen Dow 30 Dynamic Overwrite Fund (DIAX)
Nuveen Emerging Markets Debt 2022 Target Term Fund (JEMD)
Nuveen Floating Rate Income Fund (JFR)
Nuveen Floating Rate Income Opportunity Fund (JRO)
Nuveen Global High Income Fund (JGH)
Nuveen High Income 2020 Target Term Fund (JHY)
Nuveen Mortgage and Income Fund (JLS)
Nuveen Multi-Market Income Fund (JMM)
Nuveen Nasdaq 100 Dynamic Overwrite Fund (QQQX)
Nuveen Preferred & Income Opportunities Fund (JPC)
Nuveen Preferred & Income Securities Fund (JPS)
Nuveen Preferred and Income 2022 Term Fund (JPT)
Nuveen Preferred and Income Term Fund (JPI)
Nuveen Real Asset Income and Growth Fund (JRI)
Nuveen Real Estate Income Fund (JRS)
Nuveen S&P 500 Buy-Write Income Fund (BXMX)
Nuveen S&P 500 Dynamic Overwrite Fund (SPXX)
Nuveen Senior Income Fund (NSL)
Nuveen Short Duration Credit Opportunities Fund (JSD)
Nuveen Taxable Municipal Income Fund (NBB)
Nuveen Tax-Advantaged Dividend Growth Fund (JTD)
Nuveen Tax-Advantaged Total Return Strategy Fund (JTA)

Specific information regarding reportable taxable distributions is provided on your IRS Form 1099-DIV. Such distributions are subject to federal taxation and are generally subject to state and local taxes.

State Tax Information

The amount shown in Box 1a of IRS Form 1099-DIV may include income derived direct from U.S. government obligations. Such income may be exempt from your state income tax. To determine the portion of dividends that may be exempt from your state income tax, multiply the amount of "ordinary dividends" reported in Box 1a of Form 1099-DIV by the percentage listed in the following table. Consult your tax advisor to determine whether such income is exempt from your state and/or local taxes.

Percentage of income from U.S. government obligations which may be exempt from state income tax								
JCE	**JHAA**	**JHB**	**JCO**	**JQC**	**JDD**	**DIAX**	**JEMD**	**JFR**
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.05%	0.00%
JRO	**JGH**	**JHY**	**JLS**	**JMM**	**QQQX**	**JPC**	**JPS**	**JPT**
0.00%	0.00%	0.00%	0.37%	0.00%	0.00%	0.00%	0.00%	0.00%
JPI	**JRI**	**JRS**	**BXMX**	**SPXX**	**NSL**	**JSD**	**NBB**	**JTD**
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
JTA								
0.00%								

Certain states and municipalities impose an intangible or personal property tax on the value of your closed-end fund shares. The value of shares attributable to U.S. government obligations, if any, may be exempt from the intangible or personal property tax. To determine the portion of your closed-end fund shares attributable to U.S. government obligations, multiply the value of your closed-end fund shares as of December 31, 2020 by the percentage listed in the following table. Consult your tax advisor for additional information regarding intangible or personal property taxes and applicable exemptions.

Percentage of U.S. government obligations held by fund as of 12/31/2020								
JCE	**JHAA**	**JHB**	**JCO**	**JQC**	**JDD**	**DIAX**	**JEMD**	**JFR**
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
JRO	**JGH**	**JHY**	**JLS**	**JMM**	**QQQX**	**JPC**	**JPS**	**JPT**
0.00%	0.00%	0.00%	5.82%	0.00%	0.00%	0.00%	0.00%	0.00%
JPI	**JRI**	**JRS**	**BXMX**	**SPXX**	**NSL**	**JSD**	**NBB**	**JTD**
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
JTA								
0.00%								