

## **2020 TAX INFORMATION LETTER**

### **Nuveen Municipal Closed-End Funds**

#### **National Funds:**

**Nuveen AMT-Free Municipal Credit Income Fund (NVG)**  
**Nuveen AMT-Free Municipal Value Fund (NUW)**  
**Nuveen AMT-Free Quality Municipal Income Fund (NEA)**  
**Nuveen Dynamic Municipal Opportunities Fund (NDMO)**  
**Nuveen Enhanced Municipal Value Fund (NEV)**  
**Nuveen Intermediate Duration Municipal Term Fund (NID)**  
**Nuveen Intermediate Duration Quality Municipal Term Fund (NIQ)**  
**Nuveen Municipal 2021 Target Term Fund (NHA)**  
**Nuveen Municipal Credit Income Fund (NZF)**  
**Nuveen Municipal Credit Opportunities Fund (NMCO)**  
**Nuveen Municipal High Income Opportunity Fund (NMZ)**  
**Nuveen Municipal Income Fund, Inc. (NMI)**  
**Nuveen Municipal Value Fund, Inc. (NUV)**  
**Nuveen Quality Municipal Income Fund (NAD)**  
**Nuveen Select Maturities Municipal Fund (NIM)**  
**Nuveen Select Tax-Free Income Portfolio (NXP)**  
**Nuveen Select Tax-Free Income Portfolio 2 (NXQ)**  
**Nuveen Select Tax-Free Income Portfolio 3 (NXR)**

#### **State-Specific Funds:**

**Nuveen Arizona Quality Municipal Income Fund (NAZ)**  
**Nuveen California AMT-Free Quality Municipal Income Fund (NKX)**  
**Nuveen California Municipal Value Fund 2 (NCB)**  
**Nuveen California Municipal Value Fund, Inc. (NCA)**  
**Nuveen California Quality Municipal Income Fund (NAC)**  
**Nuveen California Select Tax-Free Income Portfolio (NXC)**  
**Nuveen Georgia Quality Municipal Income Fund (NKG)**  
**Nuveen Maryland Quality Municipal Income Fund (NMY)**  
**Nuveen Massachusetts Quality Municipal Income Fund (NMT)**  
**Nuveen Michigan Quality Municipal Income Fund (NUM)**  
**Nuveen Minnesota Quality Municipal Income Fund (NMS)**  
**Nuveen Missouri Quality Municipal Income Fund (NOM)**  
**Nuveen New Jersey Municipal Value Fund (NJV)**  
**Nuveen New Jersey Quality Municipal Income Fund (NXJ)**  
**Nuveen New York AMT-Free Quality Municipal Income Fund (NRK)**  
**Nuveen New York Municipal Value Fund 2 (NYV)**  
**Nuveen New York Municipal Value Fund, Inc. (NNY)**  
**Nuveen New York Quality Municipal Income Fund (NAN)**  
**Nuveen New York Select Tax-Free Income Portfolio (NXN)**  
**Nuveen Ohio Quality Municipal Income Fund (NUO)**  
**Nuveen Pennsylvania Municipal Value Fund (NPN)**  
**Nuveen Pennsylvania Quality Municipal Income Fund (NQP)**  
**Nuveen Texas Quality Municipal Income Fund (NTX)**  
**Nuveen Virginia Quality Municipal Income Fund (NPV)**

### **Federally Exempt Interest Dividends**

All interest income dividends paid in the 2020 calendar year by each fund listed above that are designated as Exempt Interest Dividends are entirely exempt from regular federal individual income taxes (“federally Exempt Interest Dividends”). Although federally Exempt Interest Dividends are not subject to regular federal taxation, these dividends must be reported on your 2020 federal income tax return. The amount of federally Exempt Interest Dividends will be reported on your Form 1099-DIV and 2020 year-end closed-end fund account statement.

## **Information Regarding Alternative Minimum Tax**

A portion of the federally Exempt Interest Dividends paid by the funds in 2020 was from private activity municipal bonds, which are generally higher yielding than comparable bonds. The private activity municipal bond interest portion of these dividends may be subject to the federal Alternative Minimum Tax (“AMT”) for non-corporate investors.

The tables below (Table A & Table C) provide the percentage of federally Exempt Interest Dividends paid by the funds during 2020 (assuming shares of your fund were held for the entire 2020 calendar year) to be included as a preference item in calculating the federal AMT. ***Your tax advisor can provide you with more detailed information regarding federal AMT, which only affects certain non-corporate investors.***

## **Information Specific to Shareholders of State Specific Funds**

State tax laws vary with regard to state and local taxation of federally Exempt Interest Dividends. Many states provide that interest on all home state municipal bonds are not subject to state and local taxes. Other states do not provide for tax exemption on federally Exempt Interest Dividends earned on home state bonds if the bonds are owned indirectly through an investment in a regulated investment company. Further, other states, such as Wisconsin, limit the tax exemption on federally Exempt Interest Dividends to certain specified home state bonds. Additionally, in many states the federally Exempt Interest Dividends that are derived from interest on bonds issued by U.S. Territories and U.S. Possessions are exempt from state and local taxes.

The following Table A provides the percentage of federally Exempt Interest Dividend income earned by each Nuveen state specific municipal closed-end fund during 2020 (assuming shares of your fund were held for the entire 2020 calendar year) in its home jurisdiction, in U.S. Territories and Possessions, and other states in which these funds had investments.

Depending on your state tax laws, this information may be used in determining the dividend amount that may be exempt from your state and/or local income taxes. You should be aware that some states require a minimum percentage of home state bonds to permit the state tax exemption. ***Consult your tax advisor to determine whether such interest is exempt from your state and/or local taxes.***

**Table A: AMT percentages and sources of income for state-specific municipal funds**

<b>Nuveen Fund</b>	<b>Primary State %</b>	<b>U.S. Territories and Possessions%</b>	<b>Other States %</b>	<b>Total %</b>	<b>AMT%</b>
NAZ	95.06%	4.94%	0.00%	100.00%	4.51%
NKX	95.42%	4.50%	0.08%	100.00%	0.00%
NCB	97.49%	2.51%	0.00%	100.00%	7.19%
NCA	97.11%	2.89%	0.00%	100.00%	11.34%
NAC	96.54%	3.45%	0.01%	100.00%	10.34%
NXC	97.05%	2.95%	0.00%	100.00%	7.52%
NKG	89.19%	1.75%	9.06%	100.00%	2.98%
NMY	80.95%	12.04%	7.01%	100.00%	3.69%
NMT	91.93%	8.07%	0.00%	100.00%	2.00%
NUM	93.87%	2.34%	3.79%	100.00%	1.76%
NMS	99.62%	0.38%	0.00%	100.00%	2.86%
NOM	96.51%	3.49%	0.00%	100.00%	3.74%
NJV	99.21%	0.00%	0.79%	100.00%	13.75%
NXJ	97.91%	1.05%	1.04%	100.00%	19.26%
NRK	94.52%	5.48%	0.00%	100.00%	0.00%
NYV	94.45%	1.55%	4.00%	100.00%	7.73%
NNY	93.78%	6.22%	0.00%	100.00%	7.35%
NAN	95.69%	4.31%	0.00%	100.00%	8.24%
NXN	95.37%	4.63%	0.00%	100.00%	7.12%
NUO	91.23%	2.87%	5.90%	100.00%	3.55%
NPN	94.80%	1.78%	3.42%	100.00%	4.72%
NQP	97.95%	2.05%	0.00%	100.00%	2.87%
NTX	98.61%	1.39%	0.00%	100.00%	7.81%
NPV	83.40%	12.15%	4.45%	100.00%	14.09%

**Information Specific to Indiana Shareholders:**

Indiana generally limits the tax exemption on federally Exempt Interest Dividends to certain Indiana home state bonds, interest derived on bonds issued by U.S. Territories and Possessions and/or interest from municipal bonds from another state or political subdivision acquired on or before January 1, 2012.

Additional information to help you prepare your 2020 Indiana state income tax returns will be available in mid to late January on the Nuveen website at [www.nuveen.com/tax-form-information](http://www.nuveen.com/tax-form-information).

**Information Specific to Minnesota Shareholders:**

The state of Minnesota requires each fund to notify shareholders of the amount of federally Exempt Income Dividends that are not exempt from Minnesota income tax. Table B below shows the percentage of federally Exempt Income Dividends received from each fund (assuming shares of your fund were held for the entire 2020 calendar year) that must be included in Minnesota taxable income.

**TABLE B**

<b>PERCENTAGE OF FEDERALLY EXEMPT INTEREST DIVIDENDS EARNED THAT IS NOT EXEMPT FROM MINNESOTA INCOME TAX</b>								
<b>NVG</b>	<b>NUW</b>	<b>NEA</b>	<b>NDMO</b>	<b>NEV</b>	<b>NID</b>	<b>NIQ</b>	<b>NHA</b>	<b>NZF</b>
100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
<b>NMCO</b>	<b>NMZ</b>	<b>NMI</b>	<b>NUV</b>	<b>NAD</b>	<b>NIM</b>	<b>NXP</b>	<b>NXQ</b>	<b>NXR</b>
100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
<b>NMS</b>								
0.38%								

### **Information Specific to Utah Shareholders:**

Utah generally limits the tax exemption on federally Exempt Interest Dividends to Utah home state bonds, interest derived on bonds issued by U.S. Territories and Possessions, interest derived on bonds issued by most non-federal-government entities outside of Utah purchased prior to January 1, 2003, and/or interest derived on bonds issued by states that don't impose an income tax on Utah municipal bonds.

Additional information to help you prepare your 2020 Utah state income tax returns will be available in mid to late January on the Nuveen website at [www.nuveen.com/tax-form-information](http://www.nuveen.com/tax-form-information).

### **Information Specific to Shareholders of National Funds:**

The following Table C provides the percentage of federally Exempt Interest Dividend income earned by each Nuveen national municipal closed-end fund during 2020 (assuming shares of your fund were held for the entire 2020 calendar year) and each of the various states and U.S. Territories and Possessions in which these funds had investments. Depending on your state tax laws, this information may be used in determining the dividend amount that may be exempt from your state and/or local income taxes. You should be aware that some states require a minimum percentage of home state bonds to permit the state tax exemption. ***Consult your tax advisor to determine whether such interest is exempt from your state and/or local taxes.***

**Table C: AMT percentages and sources of income for national municipal funds**

State	NVG	NUW	NEA	NDMO	NEV	NID	NIQ	NHA	NZF
AL	1.16%	0.00%	0.67%	1.22%	0.35%	0.05%	2.23%	0.22%	0.78%
AK	0.41%	0.26%	0.46%	0.08%	0.00%	0.33%	0.00%	2.63%	0.19%
AZ	1.74%	1.80%	1.00%	4.39%	2.33%	0.78%	0.84%	1.86%	1.46%
AR	0.14%	0.00%	0.10%	4.00%	0.42%	0.36%	0.00%	0.02%	0.00%
CA	9.92%	16.34%	7.96%	11.22%	13.57%	10.27%	8.32%	8.62%	14.45%
CO	6.37%	7.26%	6.46%	11.88%	2.24%	2.39%	11.20%	0.43%	4.20%
CT	3.56%	0.00%	0.23%	0.00%	0.11%	0.10%	0.00%	0.31%	0.18%
DE	0.12%	0.00%	0.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
DC	2.07%	1.05%	2.75%	0.00%	1.06%	1.20%	0.79%	0.00%	0.28%
FL	3.32%	4.57%	4.54%	9.10%	5.65%	9.33%	7.21%	11.99%	5.24%
GA	1.81%	3.89%	2.19%	0.00%	3.01%	0.58%	1.62%	0.20%	1.31%
GQ	0.26%	0.00%	0.08%	0.00%	2.97%	2.20%	0.00%	1.16%	0.11%
HI	0.23%	0.00%	0.01%	0.00%	0.00%	1.39%	1.31%	0.00%	0.17%
ID	0.48%	0.00%	0.11%	0.00%	0.00%	0.30%	0.00%	0.00%	0.05%
IL	16.30%	8.97%	14.70%	4.61%	15.40%	16.57%	9.33%	12.82%	19.83%
IN	1.82%	0.44%	1.82%	0.51%	2.17%	2.32%	1.32%	1.14%	2.17%
IA	2.40%	1.85%	1.66%	0.00%	0.28%	2.35%	1.98%	1.05%	0.94%
KS	0.25%	0.00%	0.21%	0.00%	2.47%	2.08%	0.00%	0.00%	0.18%
KY	1.28%	3.26%	0.73%	0.03%	0.65%	0.71%	3.16%	1.58%	1.62%
LA	0.83%	0.00%	1.73%	0.80%	4.19%	1.04%	0.67%	0.02%	1.04%
ME	0.65%	0.01%	0.36%	0.00%	0.00%	0.05%	2.10%	0.42%	0.38%
MD	0.90%	3.75%	0.70%	1.16%	0.00%	0.45%	0.77%	0.01%	0.34%
MA	1.48%	0.00%	1.19%	0.24%	0.88%	0.19%	0.44%	0.07%	0.90%
MI	1.28%	0.94%	3.11%	0.70%	0.01%	3.11%	6.34%	2.34%	1.40%
MN	1.03%	1.29%	1.32%	0.00%	0.00%	0.05%	1.28%	0.62%	0.53%
MS	0.11%	0.00%	0.17%	0.00%	0.00%	0.51%	1.43%	0.30%	0.00%
MO	1.38%	0.00%	2.14%	2.25%	0.21%	1.12%	0.99%	1.54%	1.84%
MT	0.11%	0.00%	0.22%	0.00%	0.38%	0.00%	1.08%	0.00%	0.00%
NE	0.70%	0.19%	0.45%	0.00%	0.29%	0.57%	1.71%	0.00%	0.32%
NV	0.61%	5.48%	1.74%	0.36%	0.04%	0.51%	1.66%	1.11%	0.48%
NH	0.11%	0.00%	0.11%	0.09%	0.00%	0.01%	0.00%	0.11%	0.00%
NJ	3.36%	2.52%	3.68%	0.37%	6.52%	7.06%	3.94%	12.75%	3.31%
NM	0.03%	0.00%	0.04%	0.42%	0.00%	0.40%	0.00%	0.00%	0.31%
NY	3.59%	4.58%	4.49%	20.11%	4.30%	7.40%	3.68%	11.25%	9.59%
NC	0.39%	1.60%	4.91%	0.85%	0.28%	0.58%	0.00%	0.21%	0.09%
ND	1.26%	0.00%	0.72%	0.00%	0.00%	0.00%	0.65%	0.00%	1.49%
OH	6.07%	4.11%	4.96%	8.16%	6.54%	3.65%	2.25%	0.87%	2.28%
OK	0.40%	0.13%	0.20%	0.00%	1.00%	0.67%	0.14%	0.00%	1.62%
OR	0.17%	0.00%	0.88%	1.17%	0.00%	0.24%	0.60%	0.00%	0.04%
PA	4.39%	0.00%	3.58%	1.69%	5.31%	4.66%	2.41%	9.86%	3.12%
RQ	1.51%	3.56%	0.51%	7.77%	2.60%	1.85%	1.56%	0.00%	2.59%
RI	1.18%	0.00%	0.63%	0.00%	0.00%	0.28%	0.00%	0.43%	0.12%
SC	1.47%	1.56%	2.37%	0.05%	1.23%	1.57%	1.83%	1.51%	1.50%
SD	0.43%	0.00%	0.52%	0.15%	0.00%	0.00%	0.00%	0.00%	0.11%
TN	0.55%	1.48%	0.61%	0.14%	0.28%	0.62%	6.31%	1.81%	0.49%
TX	7.01%	11.89%	7.50%	2.57%	3.53%	3.99%	6.22%	4.74%	9.54%
VQ	0.03%	0.00%	0.00%	0.00%	0.00%	0.11%	0.08%	0.37%	0.00%
UT	0.00%	0.55%	0.26%	0.00%	0.30%	0.00%	0.40%	0.02%	0.28%
VT	0.00%	0.00%	0.17%	0.00%	0.82%	0.00%	0.00%	0.00%	0.00%
VA	0.38%	1.12%	0.12%	0.92%	1.28%	1.50%	0.75%	1.73%	0.45%
WA	0.83%	2.80%	1.94%	0.00%	1.69%	2.13%	1.06%	0.66%	1.30%
WV	1.08%	2.36%	0.71%	0.00%	0.00%	0.06%	0.00%	0.00%	0.41%
WI	2.99%	0.39%	1.82%	2.99%	4.95%	2.31%	0.34%	3.22%	0.97%
WY	0.05%	0.00%	0.24%	0.00%	0.69%	0.00%	0.00%	0.00%	0.00%
<b>Total</b>	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
<b>AMT%</b>	0.00%	0.00%	0.00%	24.21%	7.50%	11.53%	7.83%	17.56%	12.77%

**Table C: AMT percentages and sources of income for national municipal funds**

NMCO	NMZ	NMI	NUV	NAD	NIM	NXP	NXQ	NXR	State
4.41%	1.47%	0.64%	0.13%	0.82%	1.46%	0.00%	0.00%	0.63%	<b>AL</b>
0.37%	0.00%	0.00%	0.16%	0.49%	0.18%	0.40%	0.51%	1.74%	<b>AK</b>
2.50%	2.90%	2.11%	1.21%	1.95%	3.64%	2.47%	4.95%	0.49%	<b>AZ</b>
1.90%	0.16%	0.00%	0.00%	0.14%	0.34%	0.88%	0.00%	0.00%	<b>AR</b>
4.29%	11.80%	18.83%	9.79%	9.48%	8.27%	16.14%	15.69%	19.84%	<b>CA</b>
5.42%	6.03%	9.45%	6.11%	6.48%	2.46%	6.72%	8.40%	4.70%	<b>CO</b>
0.02%	0.22%	0.00%	0.62%	0.72%	0.69%	4.41%	2.42%	2.64%	<b>CT</b>
0.10%	0.25%	0.10%	0.00%	0.15%	0.18%	0.00%	0.00%	0.00%	<b>DE</b>
2.37%	0.87%	0.08%	2.11%	1.38%	0.90%	2.24%	1.37%	0.68%	<b>DC</b>
13.89%	12.13%	6.21%	4.84%	6.14%	5.31%	1.34%	3.65%	2.03%	<b>FL</b>
3.39%	0.66%	1.95%	1.86%	0.98%	1.48%	0.41%	0.42%	0.42%	<b>GA</b>
0.33%	0.03%	0.00%	0.02%	0.08%	0.30%	2.23%	2.34%	1.35%	<b>GQ</b>
0.37%	0.00%	0.37%	0.33%	0.98%	1.33%	0.00%	0.00%	0.00%	<b>HI</b>
0.00%	0.09%	0.00%	0.00%	0.37%	0.29%	1.06%	1.42%	1.35%	<b>ID</b>
8.64%	15.01%	10.43%	12.90%	12.37%	14.92%	10.45%	10.46%	10.59%	<b>IL</b>
0.38%	1.71%	2.50%	2.45%	1.23%	1.32%	0.47%	1.87%	0.84%	<b>IN</b>
1.48%	0.54%	1.08%	0.82%	1.16%	1.08%	3.81%	2.39%	1.59%	<b>IA</b>
0.22%	0.26%	0.01%	0.00%	0.11%	0.13%	0.00%	0.00%	0.00%	<b>KS</b>
0.01%	2.81%	0.37%	1.47%	1.20%	1.51%	1.34%	1.79%	0.00%	<b>KY</b>
1.20%	1.27%	0.66%	1.11%	1.95%	3.09%	0.03%	0.83%	0.00%	<b>LA</b>
0.00%	0.00%	0.56%	0.59%	0.53%	0.07%	0.00%	0.00%	0.00%	<b>ME</b>
0.38%	0.41%	1.30%	1.38%	0.19%	0.46%	0.00%	0.24%	0.00%	<b>MD</b>
0.75%	0.58%	0.47%	0.96%	0.76%	0.55%	2.48%	3.96%	5.12%	<b>MA</b>
4.09%	1.51%	2.68%	2.60%	1.48%	1.60%	0.19%	1.05%	1.14%	<b>MI</b>
0.54%	0.54%	2.01%	0.25%	1.01%	0.10%	0.00%	0.00%	0.00%	<b>MN</b>
0.01%	0.08%	0.96%	0.00%	0.50%	0.37%	0.00%	0.00%	0.00%	<b>MS</b>
0.02%	1.13%	3.03%	0.51%	2.52%	0.28%	2.86%	0.00%	0.00%	<b>MO</b>
0.00%	0.00%	0.00%	0.51%	0.11%	0.38%	0.00%	0.00%	0.05%	<b>MT</b>
0.00%	0.00%	0.45%	0.27%	0.11%	0.33%	0.00%	0.60%	1.13%	<b>NE</b>
1.73%	0.72%	0.00%	2.25%	0.53%	1.16%	0.24%	1.65%	0.28%	<b>NV</b>
0.02%	0.00%	0.00%	0.00%	0.21%	0.24%	0.39%	0.00%	0.40%	<b>NH</b>
2.35%	2.59%	2.69%	4.05%	2.86%	8.61%	10.08%	2.85%	3.14%	<b>NJ</b>
0.39%	0.48%	0.00%	0.01%	0.31%	0.31%	1.21%	0.99%	0.67%	<b>NM</b>
5.16%	4.52%	2.00%	5.79%	5.34%	4.03%	1.49%	1.68%	1.24%	<b>NY</b>
0.03%	0.26%	1.65%	0.94%	0.91%	1.26%	0.00%	0.00%	0.00%	<b>NC</b>
0.00%	0.00%	0.74%	0.66%	0.39%	0.96%	0.00%	0.00%	0.00%	<b>ND</b>
9.20%	4.75%	3.33%	4.47%	5.16%	5.42%	2.90%	1.66%	9.26%	<b>OH</b>
0.69%	1.16%	0.27%	1.06%	0.27%	1.19%	0.19%	0.20%	0.19%	<b>OK</b>
0.01%	0.05%	0.37%	0.49%	1.15%	0.90%	1.63%	0.99%	1.20%	<b>OR</b>
3.87%	1.26%	2.76%	0.98%	3.17%	5.15%	1.50%	2.79%	4.28%	<b>PA</b>
6.33%	5.40%	1.36%	1.49%	0.43%	2.17%	1.24%	1.74%	1.99%	<b>RQ</b>
0.02%	0.27%	0.00%	0.00%	0.36%	0.26%	0.00%	0.00%	0.00%	<b>RI</b>
0.07%	1.04%	0.50%	1.75%	2.68%	0.08%	0.00%	0.43%	0.40%	<b>SC</b>
0.00%	0.00%	0.12%	0.00%	0.43%	0.12%	0.00%	0.24%	0.20%	<b>SD</b>
1.08%	1.69%	2.39%	0.43%	1.16%	0.74%	0.00%	0.00%	0.54%	<b>TN</b>
2.03%	3.58%	6.91%	15.26%	13.37%	6.77%	12.14%	11.65%	11.78%	<b>TX</b>
2.86%	0.81%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	<b>VQ</b>
0.09%	0.40%	0.00%	0.66%	0.83%	0.00%	0.00%	0.00%	0.00%	<b>UT</b>
0.00%	0.19%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	<b>VT</b>
0.79%	1.47%	1.62%	1.15%	1.49%	1.01%	1.70%	1.32%	3.17%	<b>VA</b>
0.28%	1.18%	0.00%	3.11%	2.08%	2.76%	3.18%	4.70%	4.23%	<b>WA</b>
0.30%	0.20%	0.91%	0.59%	0.51%	0.51%	0.84%	0.00%	0.00%	<b>WV</b>
5.62%	5.52%	6.13%	1.71%	0.97%	3.26%	1.34%	2.75%	0.70%	<b>WI</b>
0.00%	0.00%	0.00%	0.15%	0.00%	0.07%	0.00%	0.00%	0.00%	<b>WY</b>
100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	<b>Total</b>
21.64%	11.06%	5.65%	4.86%	17.49%	14.41%	4.78%	4.91%	4.82%	<b>AMT%</b>