

Executive Summary

The purpose of this report is to provide a high-level overview of the State of West Virginia's outstanding debt as of December 31, 2019. Per West Virginia Code, the West Virginia State Treasurer's Office (WVSTO) prepares quarterly debt update reports. The March and September reports are shorter in length, three-month updates. The June and December reports are more detailed, covering six months of the fiscal year. In addition, the WVSTO compiles an Annual Debt Report as of June, summarizing the entire fiscal year.

This report is the second for fiscal year 2020. Tax supported debt as of December 31, 2019, increased \$584.3 million from the June 30, 2019, balance. Non tax-supported debt decreased \$39.0 million during the same time period.

The focus of this letter is to provide more information about the most recent issuance for the Roads to Prosperity General Obligation Bonds. The Roads to Prosperity Amendment of 2017 authorized bonds in the aggregate amount of \$1.6 billion to be issued over a four-year period through June 2021. In June 2018, \$800 million was issued; in December 2019, the state issued \$600 million in general obligation bonds, the authorized amount for fiscal year 2020. An additional \$200 million is authorized to be issued in fiscal year 2021.

The bonds were sold in two groups using a competitive bid process. The winning bidders were Jefferies, LLC for group one, totaling \$319,715,000, and Citigroup Global Markets, Inc. for group two, totaling \$280,285,000. The bonds were rated by Moody's (Aa2), Standard & Poor's (AA-), and Fitch (AA). The bonds were sold at a premium of approximately \$14.6 million, which will provide approximately \$746.6 million for work on highways, bridges, and secondary road construction throughout the state. The True Interest Cost (TIC) of the bonds is 2.999% and the average coupon rate is 5.0%

Debt service for the December 2019 issuance will begin in June 2020 with an interest-only payment of approximately \$13.7 million. Interest-only payments of \$30 million will be made in June 2021 and June 2022, respectively. Principal and interest payments will begin in June 2023 for approximately \$45.3 million per year until the maturity date of June 2044. Debt service on the June 2018 issue is approximately \$55.4 million per year until the maturity date of June 2043.

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Executive Summary

The State of West Virginia ended calendar year 2019 with a net tax supported debt of \$2.79 billion, which is approximately \$527.2 million more than one year ago at December 31, 2018. It is an approximate increase of \$584.3 million from the end of fiscal year 2019 (June 30, 2019) when the net tax supported debt was \$2.20 billion.

The table below sets forth the sources of the change in net tax supported debt outstanding from June 30, 2019, to December 31, 2019 (in thousands):

Net Tax Supported Debt, June 30, 2019 (000)	\$2,200,794
Plus: Leases and Notes Payable incurred	64,347
Plus: General Obligation Bonds issued	600,000
(Less: General Obligation Bonds retired)	(21,330)
(Less: Revenue Bonds retired)	(26,920)
(Less: Lease and Notes Payable Principal Payments)	(22,416)
Plus: Restatement of previous quarter balances	(3,570)
(Change in Escrow/Reserve Funds +/-)	(5,841)
Net Tax Supported Debt, December 31, 2019	\$2,785,064

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DISCLAIMER

Pursuant to W.Va. Code §12-6A-6, every state spending unit is required to report quarterly on its debt to the West Virginia State Treasurer’s Office. The Treasurer’s Office prepares this Report using information provided by the spending units and information from other sources considered reliable. This report is unaudited and may be amended when updated information is provided to the Treasurer’s Office.



Executive Summary (continued)

As previously mentioned above, the net tax supported debt increased approximately \$527.2 million from December 31, 2018, to December 31, 2019. Over the past 10 years, the net tax supported debt at December 31 peaked during the current fiscal year 2020 at \$2.79 billion. For a complete breakdown of the calculation of State of West Virginia's net tax supported debt as of December 31, 2019, see page five of this Report.

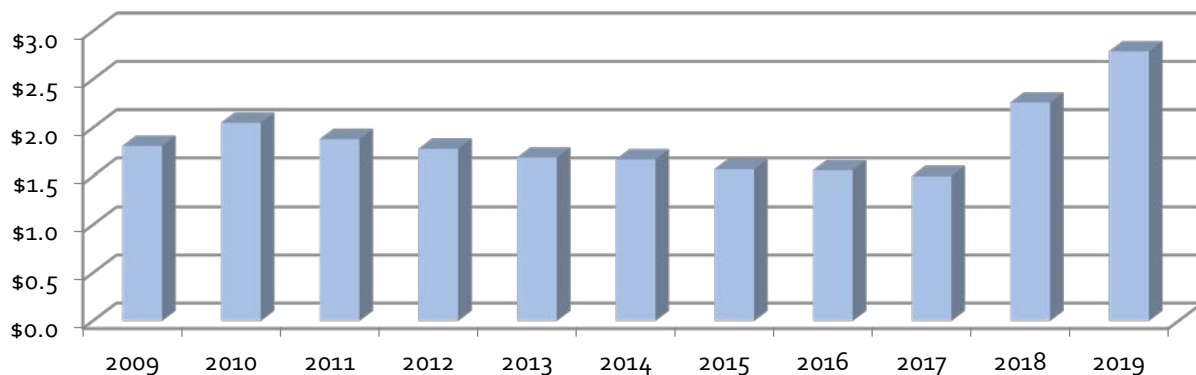
Several State of West Virginia spending units issued "new money" revenue bonds during the first half of fiscal year 2020. The new bonds are as follows: State of West Virginia Commissioner of Highways, \$600 million; West Virginia Higher Education, \$1,023k; West Virginia Housing Development Fund, \$37 million; West Virginia Water Development Authority \$1,900k; and West Virginia University, \$125 million.

More detail on the debt issued during the first half of fiscal year 2020 is given in section three, page 16, of this Report.

Net Tax Supported Debt Outstanding at December 31

2009	\$1.81 billion
2010	\$2.05 billion
2011	\$1.88 billion
2012	\$1.78 billion
2013	\$1.68 billion
2014	\$1.67 billion
2015	\$1.57 billion
2016	\$1.56 billion
2017	\$1.50 billion
2018	\$2.26 billion
2019	\$2.79 billion

Net Tax Supported Debt at December 31 (in billions)





The following table provides some "quick facts" about the State of West Virginia's net tax supported debt as of December 31, 2019.

The West Virginia State Treasurer's Office is responsible for the timely payment of all General Obligation (GO) debt of the state.

As of December 31, 2019, all GO debt is fully registered in the name of Cede & Co., as nominee of The Depository Trust Company (DTC), New York, New York.

As of December 31, 2019 the final GO debt service payment will be on June 1, 2044.

Total net tax supported debt at December 31, 2019
\$2.79 billion

Net tax supported debt per capita at December 31, 2019
\$1,554 (based on population estimate of 1,792,147)

GO debt outstanding at December 31, 2019
\$1,587 billion

GO debt per capita at December 31, 2019
\$886 (based on population estimate of 1,792,147)

State of West Virginia's GO bond rating as of December 31, 2019
Moody's: Aa2
Fitch: AA
S&P: AA-



Section 1

West Virginia Net Tax Supported Debt

December 31, 2019

Type of Debt		Principal Outstanding December 31, 2019
GENERAL OBLIGATION BONDS		
Safe Road Bonds	\$ 118,390,000	
Roads to Prosperity Bonds	1,373,490,000	
Infrastructure Improvement Bonds	<u>95,487,884</u>	
Total General Obligation Bonds		\$ 1,587,367,884
REVENUE BONDS		
School Building Authority Capital Improvement Bonds	61,921,250	
Economic Development Authority, Lottery Revenue Bonds	273,705,000	
Economic Development Authority, Excess Lottery Revenue Bonds	176,850,000	
Higher Education Policy Commission, Lottery/Excess Lottery Revenue Bonds	263,475,000	
Higher Education Policy Commission, Excess Lottery Revenue Bonds (BABs)	50,265,000	
School Building Authority, Lottery Revenue Bonds	123,621,000	
School Building Authority, Excess Lottery Revenue Bonds	74,184,000	
School Building Authority, Excess Lottery Revenue Bonds (QSCBs)	150,480,000	
West Virginia Infrastructure & Jobs Development Council	<u>62,245,000</u>	
Total Revenue Bonds		1,236,746,250
TOTAL LEASE/NOTES PAYABLE OBLIGATIONS		<u>354,932,039</u>
GROSS TAX SUPPORTED DEBT		3,179,046,173
DEDUCTIONS FOR ESCROW/SINKING FUND/RESERVE FUNDS		
Economic Development Authority, Excess Lottery Revenue Bonds	(26,255,857)	
Economic Development Authority, Lottery Revenue Bonds	(135,940,000)	
Higher Education Policy Commission Excess Lottery Rev. Bonds	(79,220,000)	
School Building Authority Capital Improvement Bonds	(61,921,250)	
School Building Authority, Excess Lottery Revenue Bonds(QSCBs)	<u>(90,645,048)</u>	
Total Deductions		(393,982,155)
NET TAX SUPPORTED DEBT		<u>\$ 2,785,064,018</u>



Section 1 - West Virginia Net Tax Supported Debt

December 31, 2019 (continued)

As mentioned in the Executive Summary above, the State of West Virginia has a net tax supported debt outstanding of \$2.79 billion as of December 31, 2019. The amount of net tax supported debt in this report does not include claims and judgments, accrued compensated absences, pension costs, other post-employment benefit costs or other liabilities of the state. If those obligations exist, they are detailed in the state's Comprehensive Annual Financial Report (CAFR), which is available from the Division of Finance of the Department of Administration or online at Division of Finance's website located at <https://finance.wv.gov/FARS/CAFR/Pages/default.aspx>.

The net tax supported debt calculation in this report includes General Obligation (GO) bonds, revenue bonds of the School Building Authority of West Virginia that rely on an annual appropriation from the general revenue fund for debt service, Lottery Revenue bonds, Excess Lottery Revenue bonds and lease obligations of various state spending units.

GENERAL OBLIGATION BONDS

Approximately \$1.59 billion of the State of West Virginia's \$2.79 billion in outstanding net tax supported debt as of December 31, 2019 consisted of GO bonds. Previously, West Virginia has issued GO bonds for road construction, school construction, veterans' bonuses and infrastructure development. All of these bonds carry a pledge of the state to levy taxes if funds are insufficient to meet debt service. Outstanding GO bonds include road bonds and infrastructure improvement bonds. On June 7, 2018, \$800 million of the Roads to Prosperity GO bonds were issued. On December 17, 2019, an additional \$600 million of the Roads to Prosperity GO bonds were issued.

West Virginia voters ratified the Roads to Prosperity Amendment, authorizing \$1.6 billion in GO road bonds. As of December 31, 2019, \$1.4 billion has been issued.

General Obligation Bonds as of December 31, 2019

	Principal Outstanding	Funds in Reserve	Number of Issues Outstanding	Final Maturity
Roads to Prosperity	\$1,373,490,000	N/A	5	6/1/2044
Safe Road Bonds	\$118,390,000	N/A	2	6/1/2025
Infrastructure Improvement Bonds	\$95,487,884	N/A	4	11/1/2026



Section 1 - West Virginia Net Tax Supported Debt December 31, 2019 (continued)

ROADS TO PROSPERITY BONDS

The Roads to Prosperity Amendment of 2017 authorized bonds in the aggregate amount of \$1.6 billion to be issued over a four-year period.

Bonds not issued may be carried forward and issued in any subsequent year before July 1, 2021. Proceeds are to be used to match federal funds for highway and bridge construction and for general highway, secondary road and bridge construction and improvements in each of the 55 counties.

The initial \$800 million issuance occurred on June 7, 2018 and an additional \$600 issuance occurred on December 17, 2019. Debt service on the 2018 issue is approximately \$55.4 million for FY 2020 through the final maturity in 2043. Debt service on the 2019 issue is approximately \$13.7 million for FY 2020. Interest-only payments of \$30 million will be made in June 2021 and June 2022, respectively. Principal and interest payments will begin in June 2023 for approximately \$45.3 million per year until the maturity date of June 2044.

As of December 31, 2019 the GO Road bonds will mature as follows:

- 1 - 5 years: 16%*
- 6 - 10 years: 16%*
- 11-15 years: 19%*
- 16-20 years: 25%*
- 21-25 years: 24%*

General Obligation Roads to Prosperity Bonds as of December 31, 2019

Issue Dated	Principal Outstanding	True Interest Cost	Average Annual Debt Service FY20- Maturity	Final Maturity
June 7, 2018A	\$141.1 million	2.85%	\$8.3 million	June 1, 2043
June 7, 2018B1	\$330.3 million	3.37%	\$29.3 million	December 1, 2036
June 7, 2018B2	\$302.1 million	3.89%	\$25.2 million	June 1, 2043
December 17, 2019A1	\$319.7 million	2.38%	\$27.4 million	December 1, 2036
December 17, 2019A2	\$280.3 million	3.41%	\$23.1 million	June 1, 2044



GENERAL OBLIGATION BONDS (continued)

SAFE ROAD BONDS

The Safe Roads Amendment of 1996 has a balance of \$118.4 million outstanding as of December 31, 2019. All GO road bonds authorized by the Safe Roads Amendment have been issued. There are currently no remaining authorizations for the issuance of the Safe Road Bonds.

The debt service is approximately \$23 million for fiscal year 2020 through the final maturity in June 2025.

General Obligation Safe Road Bonds as of December 31, 2019

Issue Dated	Principal Outstanding	True Interest Cost	Average Annual Debt Service FY20- Maturity	Final Maturity
July 22, 2010	\$28.7 million	3.16%	\$7.9 million	June 1, 2023
April 16, 2015	\$89.7 million	1.73%	\$17.9 million	June 1, 2025

INFRASTRUCTURE IMPROVEMENT BONDS

The principal outstanding at December 31, 2019, for the Infrastructure Improvement Amendment bonds is \$95.5 million. The Division of Debt Management reports these bonds on a cash basis; however, there is one series of bonds issued as Capital Appreciation Bonds (CABs). All of the bonds are repaid from a dedication of the required debt service amount of coal severance taxes and the taxing pledge of the state to meet any deficiencies. All GO infrastructure bonds authorized by the Infrastructure Improvement Amendment have been issued. There are currently no remaining authorizations for the issuance of GO infrastructure bonds; however, current refunding bonds may be issued.

As of December 31, 2019, the GO Infrastructure Improvement bonds will mature as follows:

1 - 5 years: 70%

6 - 10 years: 30%

The combined debt service on the GO infrastructure bonds for fiscal year 2020 is approximately \$21.9 million. The debt service increases slightly each year, leveling off at approximately \$22.2 million in fiscal year 2024, where it remains until all bonds mature in November 2026. All figures are as of December 31, 2019.



Section 1 - West Virginia Net Tax Supported Debt December 31, 2019 (continued)

General Obligation Infrastructure Improvement Bonds as of December 31, 2019

Issue Dated	Principal Outstanding	True Interest Cost	Average Annual Debt Service FY20- Maturity	Final Maturity
May 25, 1999A (CABs)	\$16.9 million	9.05%	\$9.0 million	November 1, 2026
September 28, 2011A	\$1.1 million	1.61%	\$383.4 thousand	November 1, 2022
January 29, 2015A	\$55.5 million	1.79%	\$9.0 million	November 1, 2026
January 12, 2017A	\$21.9 million	2.06%	\$3.9 million	November 1, 2026



Section 1 - West Virginia Net Tax Supported Debt December 31, 2019 (continued)

REVENUE BONDS

Approximately \$842.8 million (net) of the State of West Virginia's \$2.79 billion in outstanding net tax supported debt as of December 31, 2019 consisted of revenue bonds. The revenue bonds in this calculation include those listed in the table to the right.

	Principal Outstanding at 12/31/2019	Funds in Escrow, Reserve or Sinking Fund	Number of Issues Outstanding	Final Maturity
School Building Authority of West Virginia Capital Improvement Bonds	\$61,921,250	\$61,921,250	1	7/1/2022
West Virginia Economic Development Authority Lottery Revenue Bonds	\$273,705,000	\$135,940,000	2	6/15/2040
West Virginia Economic Development Authority Excess Lottery Revenue Bonds	\$176,850,000	\$26,255,857	4	7/1/2039
West Virginia Higher Education Policy Commission, Lottery & Excess Lottery Revenue Bonds	\$263,475,000	\$79,220,000	6	7/1/2039
West Virginia Higher Education Policy Commission, Excess Lottery Revenue Bonds (BABs)	\$50,265,000	N/A	1	4/1/2040
School Building Authority of West Virginia, Lottery Revenue Bonds	\$123,621,000	N/A	6	7/1/2033
School Building Authority of West Virginia, Excess Lottery Revenue Bonds	\$74,184,000	N/A	2	7/1/2030
School Building Authority of West Virginia, Excess Lottery Revenue Bonds (QSCBs)	\$150,480,000	\$90,645,048	3	6/15/2027
West Virginia Infrastructure & Jobs Development Council	\$62,245,000	N/A	1	7/1/2034



Section 1 - West Virginia Net Tax Supported Debt - December 31, 2019 (continued)

School Building Authority of West Virginia Capital Improvement Revenue Bonds

The School Building Authority of West Virginia Capital Improvement Revenue bonds, which utilize general revenue appropriations for repayment, consist of one (1) refunding issuance. The principal outstanding on these bonds totaled zero as of December 31, 2019. No “new money” bonds may be issued utilizing general revenue appropriations for repayment.

The outstanding refunding bonds were issued in October 2017. This refunding issue gave the School Building Authority of West Virginia a net present-value savings of more than \$5 million. The combined debt service on the School Building Authority of West Virginia Capital Improvement Revenue bonds is zero for the remaining portion of fiscal year 2020.

West Virginia Economic Development Authority Lottery Revenue Bonds

In December 2017, the West Virginia Economic Development Authority issued \$142.6 million of Lottery Refunding Revenue Bonds. The bonds were issued to advance refund bonds issued in 2010 and also to provide approximately \$10 million to fund repairs to the Capitol dome at the West Virginia State Capitol Complex in Charleston, West Virginia.

As of December 31, 2019, \$137.8 million remains outstanding. The bonds have a level debt service of approximately \$9.9 million until they mature June 15, 2040.

The State of West Virginia was the second state in the nation to issue bonds secured by funds from lottery revenues. West Virginia's first lottery revenue bonds (\$135.6 million) were issued by the School Building Authority of West Virginia in November 1994.

West Virginia Economic Development Authority Excess Lottery Revenue Bonds

In October 2018, the West Virginia Economic Development Authority issued \$55.2 million in Excess Lottery Revenue Bonds to provide funds for improvements to West Virginia State Parks. The principal outstanding on these bonds is \$55.2 million as of December 31, 2019. The West Virginia Economic Development Authority previously issued \$25 million in Excess Lottery Revenue Bonds in August 2017 for various projects at Cacapon State Park and Beech Fork State Park. The principal outstanding on these bonds is \$23.7 million as of December 31, 2019. Further, the West Virginia Economic Development Authority issued Excess Lottery Revenue Bonds in January 2004, which provided funding for various capital improvement projects and infrastructure projects promoting economic development throughout West Virginia.



Section 1 - West Virginia Net Tax Supported Debt - December 31, 2019 (continued)

REVENUE BONDS (continued)

All of these bonds are secured through a pledge of revenues from the State Excess Lottery Revenue Fund. The 2004 bonds also have a debt service reserve fund, established when the bonds were sold. The reserve fund has a market value of approximately \$26.3 million at December 31, 2019. The remaining balance on all these bonds is approximately \$97.9 million at December 31, 2019.

West Virginia Higher Education Policy Commission Excess Lottery Revenue Bonds

The West Virginia Higher Education Policy Commission has issued more than \$353 million of revenue bonds backed by a pledge of revenues from registration and tuition fees at West Virginia institutions of higher education and from the state's Excess Lottery Revenue Fund. More than \$50 million of these Excess Lottery revenue bonds were issued as Build America Bonds (BABs).

The principal outstanding on all West Virginia Higher Education Policy Commission Excess Lottery Revenue Bonds is \$234.5 million (net) as of December 31, 2019.

School Building Authority of West Virginia Lottery & Excess Lottery Revenue Bonds

Lottery Revenue Bonds - The West Virginia School Building Authority has six (6) issues outstanding backed by certain funds of the West Virginia Lottery. The most recently issued bonds provided funds for the construction and/or renovation of various schools in more than 20 counties throughout West Virginia. The principal outstanding on these bonds is \$123.6 million as of December 31, 2019.

Excess Lottery Revenue Bonds - In August 2008, the School Building Authority of West Virginia issued \$102.1 million in bonds secured through a pledge of revenues from the State Excess Lottery Revenue Fund. These bonds represent the first issue the School Building Authority of West Virginia authorized utilizing the Excess Lottery Revenue Fund. Another \$25 million and \$63 million were issued during fiscal years 2011 and 2016, respectively. The principal outstanding on these bonds is \$74.2 million as of December 31, 2019.

The School Building Authority of West Virginia also issued Excess Lottery Revenue Bonds as Qualified School Construction Bonds (QSCBs). These bonds are different in structure because the interest on the bonds is paid by the federal government in the form of tax credits. All three (3) series of QSCBs were issued with a bullet maturity, meaning there is only one maturity date. The School Building Authority of West Virginia

The three series of Qualified School Construction Bonds (QSCBs) issued by the School Building Authority of West Virginia were issued as "bullet" bonds, which means these bonds are not subject to optional or annual mandatory sinking fund redemption prior to maturity.



Section 1 - West Virginia Net Tax Supported Debt - December 31, 2019 (continued)

utilizes excess lottery revenue funds to make monthly payments into a sinking fund, which will redeem the bonds at their bullet maturity date. The principal outstanding on all of the School Building Authority of West Virginia Excess Lottery Revenue bonds totals \$59.8 million (net of sinking fund balances) as of December 31, 2019.

West Virginia Infrastructure & Jobs Development Council

The West Virginia Water Development Authority (at the request of the West Virginia Infrastructure & Jobs Development Council) issued more than \$75.7 million of Excess Lottery Revenue Bonds in October 2014. These bonds were issued to fund various projects in the Chesapeake Bay/Greenbrier River Basin. The bonds have a level debt service of approximately \$6 million through their maturity of July 1, 2034. The principal outstanding on these bonds is \$62.2 million as of December 31, 2019.

Other bonds backed by funds from the West Virginia Lottery

The West Virginia Economic Development Authority issued \$6.2 million in bonds for the construction of a parking garage at the West Virginia State Capitol Complex in November 1999. This issue is secured through a lease agreement, which includes a non-funding clause, with the Secretary of Administration. These bonds carried a true interest cost of 5.59%. In November 2011, the state refunded these bonds by issuing more than \$3.6 million of revenue refunding bonds at a true interest cost of 3.06%. Lottery funds in the amount of \$500,000 per year are appropriated to the Parking Garage Fund administered by the Department of Administration. This obligation is classified as a lease agreement and has an outstanding principal of \$1.4 million as of December 31, 2019. The bonds will mature on May 1, 2024.

The West Virginia Hospital Finance Authority issued \$10 million in bonds for a 120-bed long-term nursing home facility for veterans on the grounds of the Veterans Administration Medical Center in Clarksburg, West Virginia. The annual debt service on the bonds is approximately \$660,000 and is payable from net profits from the sale of veterans benefit game lottery tickets. The bonds principal outstanding is \$6.7 million on December 31, 2019, and will mature on March 1, 2034. This obligation is also classified as a lease.



LEASES & NOTES PAYABLE

The State of West Virginia depends on lease obligations and notes payable to finance capital improvements, large purchases of computer equipment, vehicles and many other projects. Approximately \$354.9 million in lease obligations and notes payable are outstanding as of December 31, 2019. Additional detail about the lease and notes payable obligations is contained in *Appendix B, Debt by Spending Unit, July 1 – December 31, 2019*, page 21.

Top 10 Spending Units with Leases Outstanding (dollar value) as of December 31, 2019:

1. *Secretary of Administration: (\$110.7 million)*
2. *State Building Commission of West Virginia: (\$79.1 million)*
3. *Marshall University: (\$59.6 million)*
4. *Shepherd University: (\$23.3 million)*
5. *Department of Administration, Travel Management: (\$18.0 million)*
6. *West Virginia University: (\$14.8 million)*
7. *West Virginia Department of Environmental Protection: (\$14.6 million)*
8. *Division of Corrections: (\$10.2 million)*
9. *Department of Health & Human Resources: (\$8.4 million)*
10. *West Virginia Department of Veterans Assistance: (\$6.7 million)*



Section 2

West Virginia Non Tax Supported Debt

December 31, 2019

The State of West Virginia has more than 20 bonding authorities that may issue revenue bonds backed by various pledges. Each authority has its own specific parameters such as volume caps and interest rate caps as specified in West Virginia Code. For purposes of this report, this debt is considered “non tax supported debt.”

The State of West Virginia has a non tax supported debt of approximately \$8.3 billion outstanding as of December 31, 2019. Additional detail about the bond issues is contained in *Appendix B, Debt by Spending Unit, July 1 – December 31, 2019*, page 21.

Issuer	Principal Outstanding December 31, 2019
Concord University	\$ 14,735,000
Economic Development Authority	2,980,820,339
Fairmont State University	66,960,808
Glenville State College	38,140,577
Higher Education Policy Commission	57,098,118
Highways, Division of	265,720,000
Hospital Finance Authority	2,630,801,087
Housing Development Fund	331,450,000
Infrastructure & Jobs Development Council	89,300,000
Marshall University	73,695,000
Mountwest Community and Technical College	892,480
Parkways Authority	163,540,000
Regional Jail Authority	16,410,000
Shepherd University	35,630,877
Tobacco Settlement Finance Authority of West Virginia	767,678,000
Water Development Authority	154,793,849
West Liberty University	18,220,482
West Virginia State University	11,245,083
West Virginia University	621,972,526
NON TAX SUPPORTED DEBT	\$8,339,104,226



Section 3

West Virginia Debt Issued July 1, 2019 - December 31, 2019

More than \$764 million in general obligation and revenue bonds were issued during the first half of fiscal year 2020, with several issues of “new money” during the first half of fiscal year 2020 for various projects including road and bridge projects, family housing, and university improvements. The largest issue (\$600 million) came from the West Virginia Commissioner of Highways and the Governor’s Office for the Road to Prosperity Program. The following is a description of the bonds issued during the first half of fiscal year 2020.

New leases and notes payable authorized during the first half of fiscal year 2020:

*Department of Administration,
Travel Management: \$6,242,931*

Marshall University: \$56,458,608

Shepherd University: \$1,645,144

General Obligation Bonds Issued

State of West Virginia Commissioner of Highways, General Obligation Bonds, 2019A

The State of West Virginia Commissioner of Highways issued \$600 million in general obligation bonds in two groups. The first group sold in the amount of \$319,715,000; the second group sold in the amount of \$280,285,000 to finance work on highways, bridges, and secondary road construction throughout the state. The notes are dated December 17, 2019, with an overall True Interest Cost (TIC) of 2.999%. The bonds were rated by Moody’s (Aa2), Standard & Poor’s (AA-), and Fitch (AA). The costs of issuance were \$544,513, which does not include the underwriter’s discounts of \$1,381,345 and \$420,428. The underwriters were Jeffries, LLC and Citigroup Global Markets Inc., respectively.

Revenue Bonds Issued

West Virginia Water Development Authority, Revenue Notes, Series 2019A

The West Virginia Water Development Authority issued \$13,150,000 in revenue notes (design loan program). The notes are dated August 13, 2019 with a TIC of 1.67%. The issue was not rated. The cost of issuance was \$160,000 and the notes were sold at par. The notes were underwritten by United Bank. The outstanding balance on this loan on December 31, 2019, is \$1,889,849.



Revenue Bonds Issued (continued)

The West Virginia Housing Development Corporation issued a new revenue bond totaling \$7,000,000. The bonds are dated July 11, 2019 with a variable interest rate. The issue received an Aaa from Moody's. The cost of issuance was \$30,761, and the bonds were sold at par. The bonds were underwritten by Stifel, Nicholas and Company, Inc.

West Virginia Housing Development Corporation, Revenue Bonds, Series 2019A

The West Virginia Housing Development Corporation issued a new revenue bond totaling \$30,000,000. The bonds are dated October 10, 2019, with a TIC of 2.58%. A "Report of Final Sale" was not received by the Treasurer's Office; therefore, no further information is available for this bond.

West Virginia University Board of Governors, Revenue Bonds, Series 2019A & 2019B

The West Virginia University Board of Governors issued two new revenue bonds.

Series 2019A, an improvement revenue bond for \$85,840,000, is dated September 25, 2019, with a TIC of 3.08%. The issue received an AA- rating from Fitch and an Aa3 from Moody's. The cost of issuance was \$323,857, which does not include the underwriter's discount of \$164,947. The bonds were underwritten by Wells Fargo Bank, National Association.

Series 2019B is a refunding revenue bond for \$39,125,000 dated September 25, 2019, with a TIC of 1.82%. The issue received an AA- rating from Fitch and an Aa3 from Moody's. The cost of issuance was \$259,756, which does not include the underwriter's discount of \$84,485. The bonds were underwritten by BofA Securities, Inc.

West Virginia Higher Education Policy Commission, Revenue Bonds, Series 2000A

The West Virginia Higher Education Policy Commission issued an additional amount with an existing revenue bond totaling \$1,023,094. The bonds are dated June 15, 2000. A "Report of Final Sale" was not received by the Treasurer's Office; therefore, no further information is available for this bond.



Appendix A

Debt by Type

July 1, 2019 – December 31, 2019



Debt Position Report, Debt by Type
7/1/2019 - 12/31/2019

Note: This is an unaudited report

Type of Debt Agency	Principal Outstanding 6/30/2019	Debt Issued through 12/31/2019	Principal Paid through 12/31/2019	Interest Paid through 12/31/2019	Principal Outstanding 12/31/2019	Adjustments	Refunding, Defeasance, Debt Called	Adjusted Principal Outstanding 12/31/2019
General Obligation Bonds								
TRANSPORTATION, DEPT. OF								
- Roads to Prosperity	782,305,000	600,000,000	8,815,000	18,897,703	1,373,490,000	-	-	1,373,490,000
- Safe Roads Amendment	118,390,000	-	-	2,816,500	118,390,000	-	-	118,390,000
WV INFRASTRUCTURE & JOBS DEVELOPMENT COUNCIL	108,002,634	-	12,514,750	7,675,150	95,487,884	-	-	95,487,884
Total General Obligation Bonds	1,008,697,634	600,000,000	21,329,750	29,389,353	1,587,367,884	-	-	1,587,367,884
Revenue Bonds (paid from the General Revenue Fund)								
School Building Authority	61,921,250	-	-	-	61,921,250	-	(61,921,250)	-
Total Revenue Bonds (paid from GRF)	61,921,250	-	-	-	61,921,250	-	(61,921,250)	-
Lottery Revenue Bonds								
ECONOMIC DEVELOPMENT AUTHORITY								
- Economic Development Authority (Excess Lottery)	190,165,000	-	13,315,000	5,753,895	176,850,000	-	-	176,850,000
- Economic Development Authority (Lottery)	277,500,000	-	-	3,004,325	277,500,000	(3,795,000)	(135,940,000)	137,765,000
HIGHER EDUCATION POLICY COMMISSION								
- Higher Education Policy Commission (Excess Lottery, BABs)	50,265,000	-	-	1,911,836	50,265,000	-	-	50,265,000
- Higher Education Policy Commission (Lottery/Excess Lottery)	265,270,000	-	1,795,000	4,389,929	263,475,000	-	(79,220,000)	184,255,000
SCHOOL BUILDING AUTHORITY								
- School Building Authority (Excess Lottery)	77,760,000	-	3,576,000	2,302,710	74,184,000	-	-	74,184,000
- School Building Authority (Lottery)	129,105,000	-	5,484,000	3,654,098	123,621,000	-	-	123,621,000
- School Building Authority QSCBs (Excess Lottery)	150,480,000	-	-	-	150,480,000	-	(90,645,048)	59,834,952
WV INFRASTRUCTURE & JOBS DEVELOPMENT COUNCIL	64,995,000	-	2,750,000	1,624,875	62,245,000	-	-	62,245,000
Total Lottery Revenue Bonds	1,205,540,000	-	26,920,000	22,641,669	1,178,620,000	(3,795,000)	(305,805,048)	869,019,952
Revenue Bonds								
ADMINISTRATION, DEPT. OF								
- State Building Commission	23,995,000	-	7,585,000	641,706	16,410,000	-	-	16,410,000
- Tobacco Settlement Finance Authority	769,628,000	-	1,950,000	25,167,897	767,678,000	-	-	767,678,000
CONCORD UNIVERSITY	15,445,000	-	355,000	621,831	15,090,000	(355,000)	-	14,735,000
ECONOMIC DEVELOPMENT AUTHORITY	2,983,800,339	-	2,980,000	7,846,704	2,980,820,339	-	-	2,980,820,339
FAIRMONT STATE UNIVERSITY	68,661,016	-	1,700,208	1,273,621	66,960,808	-	-	66,960,808
GLENVILLE STATE COLLEGE	38,635,584	-	495,007	910,544	38,140,577	-	-	38,140,577
HIGHER EDUCATION POLICY COMMISSION	71,840,024	1,023,094	-	3,372,688	72,863,118	-	(15,765,000)	57,098,118
HOSPITAL FINANCE AUTHORITY	2,704,630,463	-	17,254,376	58,033,198	2,687,376,087	(56,575,000)	-	2,630,801,087
HOUSING DEVELOPMENT FUND	313,200,000	37,000,000	18,750,000	5,140,894	331,450,000	-	-	331,450,000
MARSHALL UNIVERSITY	73,695,000	-	-	1,708,338	73,695,000	-	-	73,695,000
MOUNTWEST COMMUNITY & TECHNICAL COLLEGE	1,104,443	-	211,963	22,779	892,480	-	-	892,480
PARKWAY AUTHORITY	163,540,000	-	-	3,173,774	163,540,000	-	-	163,540,000
SHEPHERD UNIVERSITY	36,492,238	-	861,360	662,256	35,630,878	(1)	-	35,630,877
TRANSPORTATION, DEPT. OF	328,350,000	-	17,765,000	7,087,125	310,585,000	-	(44,865,000)	265,720,000
WATER DEVELOPMENT AUTHORITY	161,142,000	1,889,849	8,238,000	3,274,316	154,793,849	-	-	154,793,849
WEST LIBERTY UNIVERSITY	18,961,482	-	741,000	262,416	18,220,482	-	-	18,220,482
WV INFRASTRUCTURE & JOBS DEVELOPMENT COUNCIL	92,285,000	-	2,985,000	2,005,600	89,300,000	-	-	89,300,000
WV STATE UNIVERSITY	11,565,083	-	320,000	331,961	11,245,083	-	-	11,245,083
WV UNIVERSITY	561,753,082	124,965,000	64,745,556	11,782,795	621,972,526	-	-	621,972,526
Total Revenue Bonds	8,438,723,753	164,877,943	146,937,471	133,320,443	8,456,664,226	(56,930,001)	(60,630,000)	8,339,104,226
Lease Obligations								
ADMINISTRATION, DEPT. OF								
- Information Services & Communication	643,477	-	188,702	2,889	454,775	(95,680)	-	359,095
- Office of the Cabinet Secretary	115,265,144	-	4,572,500	2,802,856	110,692,644	-	-	110,692,644
- State Building Commission	80,975,507	-	2,380,664	1,681,618	78,594,843	496,667	-	79,091,510
- Travel Management Office	15,846,584	6,242,931	3,956,991	181,587	18,132,524	(176,141)	-	17,956,383
CONCORD UNIVERSITY	2,507,598	-	184,584	52,289	2,323,014	-	-	2,323,014
ENVIRONMENTAL PROTECTION, DEPT. OF	15,193,543	-	622,500	279,734	14,571,043	-	-	14,571,043
FAIRMONT STATE UNIVERSITY	546,199	-	44,035	5,407	502,164	-	-	502,164
GLENVILLE STATE COLLEGE	80,268	-	19,885	436	60,383	-	-	60,383
HEALTH & HUMAN RESOURCES, DEPT. OF	9,786,667	-	1,412,500	140,769	8,374,167	-	-	8,374,167
MARSHALL UNIVERSITY	4,105,470	56,458,608	961,435	1,279,695	59,602,643	-	-	59,602,643
NATURAL RESOURCES, DIVISION OF	5,100,000	-	5,100,000	-	-	-	-	-
POTOMAC STATE COLLEGE	751,634	-	45,484	10,282	706,150	-	-	706,150
PUBLIC SERVICE COMMISSION	3,357,500	-	85,000	88,030	3,272,500	-	-	3,272,500
SHEPHERD UNIVERSITY	21,654,643	445,144	330,461	455,878	21,769,326	104	-	21,769,430
VETERANS ASSISTANCE, DIVISION OF	6,827,500	-	152,500	177,130	6,675,000	-	-	6,675,000
WV STATE POLICE	2,478,643	-	23,615	-	2,455,028	-	-	2,455,028
WV UNIVERSITY	13,693,526	-	1,887,600	119,067	11,805,927	-	-	11,805,927
Total Lease Obligations	298,813,904	63,146,683	21,968,457	7,277,666	339,992,129	224,950	-	340,217,080
Notes Payable								
CORRECTIONS, DIVISION OF	10,662,423	-	447,464	165,214	10,214,959	-	-	10,214,959
SHEPHERD UNIVERSITY	300,000	1,200,000	-	-	1,500,000	-	-	1,500,000
WV UNIVERSITY	3,000,000	-	-	44,625	3,000,000	-	-	3,000,000
Total Notes Payable	13,962,423	1,200,000	447,464	209,839	14,714,959	-	-	14,714,959
GRAND TOTAL	11,027,658,964	829,224,626	217,603,141	192,838,970	11,639,280,449	(60,500,050)	(428,356,298)	11,150,424,101



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Appendix B

Debt by Spending Unit

July 1, 2019 – December 31, 2019

ORG	DEBT OBLIGATION	STATUTORY AUTHORITY	Original Debt Issuance	Principal Outstanding 6/30/2019	Debt Issued through 12/31/2019	Principal Paid through 12/31/2019	Interest Paid through 12/31/2019	Principal Outstanding 12/31/2019	Adjustments	Refunding, Defeasance, Debt Called	Adjusted Principal Outstanding	FINAL MATURITY DATE	INTEREST RATE	PURPOSE OF DEBT
WEST LIBERTY UNIVERSITY														
	Revenue Bonds													
	Issue dated 5/31/12		10,000,000	7,670,482	-	645,000	92,367	7,025,482	-	-	7,025,482	11/01/26	2.50%	Science Center and other improvements
	Issue dated 3/6/13		9,810,000	6,175,000	-	-	76,591	6,175,000	-	-	6,175,000	05/01/28	2.46%	University Refunding Revenue Bonds Series 2013
	Issue dated 9/20/18		5,132,000	5,116,000	-	96,000	93,458	5,020,000	-	-	5,020,000	08/01/38	3.65%	Capital Improvements
WV INFRASTRUCTURE & JOBS DEVELOPMENT COUNCIL														
	General Obligation Bonds													
	2 Issue dated 5/25/99A													
	Issue dated 9/28/11	31-15B	69,693,910	19,747,634	-	2,829,750	5,745,250	16,917,884	-	-	16,917,884	11/01/26	9.05%	Infrastructure & Economic Development
	Issue dated 1/29/15A	31-15B	18,615,000	1,445,000	-	335,000	21,675	1,110,000	-	-	1,110,000	11/01/22	1.61%	Refund a portion of 96B, 98B & 99B
	Issue dated 1/29/15A	31-15B	65,965,000	60,455,000	-	4,920,000	1,338,425	55,535,000	-	-	55,535,000	11/01/26	1.79%	Refund a portion of 96D, 96A & 2006
	Issue dated 1/12/17	31-15B	28,215,000	26,355,000	-	4,430,000	569,800	21,925,000	-	-	21,925,000	11/01/26	2.06%	Refund final portion of 2006 Bonds
	Revenue Bonds													
	Issue dated 12/19/2012A	31-15A	27,435,000	22,970,000	-	155,000	363,250	22,815,000	-	-	22,815,000	10/01/39	3.11%	Refund the remainder of 2003A Bonds
	Issue dated 12/20/2016A	31-15A	74,320,000	69,315,000	-	2,830,000	1,642,350	66,485,000	-	-	66,485,000	10/01/45	4.00%	Refund 2006 Series A, 2006 Series B, and 2007 Series A
	Excess Lottery Revenue Bonds													
	Issue dated 10/16/2014A	31-15A	75,790,000	64,995,000	-	2,750,000	1,624,875	62,245,000	-	-	62,245,000	07/01/34	3.28%	Chesapeake Bay/Greenbrier River Projects
WV STATE UNIVERSITY														
	Revenue Bonds													
	Issue dated 12/20/2012		8,930,000	8,576,667	-	55,000	148,449	8,521,667	-	-	8,521,667	10/01/37	3.46%	Refund 1996 bonds and capital improvements
	Issue dated 3/5/13 Series A		2,815,000	715,417	-	265,000	12,935	450,417	-	-	450,417	10/01/21	2.55%	Refund 2002 Bonds & capital improvements
	Issue dated 02/6/14		2,700,000	2,273,000	-	-	170,577	2,273,000	-	-	2,273,000	10/01/33	6.65%	Athletic Complex
WV STATE POLICE														
	Lease Obligations													
				2,478,643	-	23,615	-	2,455,028	-	-	2,455,028	09/31/41	0.00%	Fairmont Troop 1 Headquarters
WV UNIVERSITY														
	Revenue Bonds													
	Issue dated 8/16/11A		12,710,197	8,877,108	-	286,340	169,324	8,590,768	-	-	8,590,768	08/16/26	3.87%	Purchase of Building
	Issue dated 10/5/11B		187,605,000	150,065,000	-	6,345,000	3,672,850	143,720,000	-	-	143,720,000	10/01/36	3.46%	Refund various leases & finance improvements
	Issue dated 07/26/12A		13,270,555	11,598,393	-	147,998	260,964	11,450,395	-	-	11,450,395	04/01/42	4.50%	Suncrest Center Property Acquisition
	Issue dated 12/13/12B		4,800,000	3,494,174	-	107,235	45,377	3,386,839	-	-	3,386,839	12/01/32	Variable	Loop Acquisition
	Issue dated 2/13/13 A		136,325,000	136,110,000	-	480,000	3,246,572	135,630,000	-	-	135,630,000	10/01/42	3.53%	Refunding & Improvement Revenue Bonds 2013 Series A
	Issue dated 2/13/13 B (Taxable)		72,180,000	44,120,000	-	6,850,000	659,453	37,270,000	-	-	37,270,000	10/01/42	2.97%	Refunding & Improvement Revenue Bonds 2013 Series B
	Issue dated 9/30/14A		60,000,000	60,000,000	-	-	1,450,000	60,000,000	-	-	60,000,000	10/01/44	4.30%	Improvement Revenue Bonds
	Issue dated 9/30/14B (Taxable)		79,050,000	79,050,000	-	-	1,767,163	79,050,000	-	-	79,050,000	10/01/42	4.50%	Improvement Revenue Bonds
	Issue dated 9/30/14C		50,190,000	50,190,000	-	50,190,000	224,796	-	-	-	-	10/01/42	Variable	Refunding Revenue Bonds
	Issue dated 6/29/16		191,666	18,248,407	-	338,983	286,297	17,909,424	-	-	17,909,424	06/01/46	Variable	HSC Infrastructure
	Issue dated 9/25/19		85,840,000	-	85,840,000	-	-	85,840,000	-	-	85,840,000	10/01/49	3.08%	Improvement Revenue Bonds, Series 2019A
	Issue dated 9/25/19		39,125,000	-	39,125,000	-	-	39,125,000	-	-	39,125,000	10/01/41	1.82%	Revenue Refunding Bonds, Series 2019B
	Lease Obligations													
	UO/ENERGYLEASE		7,798,000	2,655,114	-	400,955	54,044	2,254,159	-	-	2,254,159	06/27/22	4.22%	Energy Efficiency Project, Phase 1
	U1/ENERGYLEASE-MC		7,939,141	4,753,329	-	287,643	65,023	4,465,686	-	-	4,465,686	12/30/26	2.74%	Energy Efficiency Project, Phase 3B
	WVU-A028-TBD Monongalia County Ballpark		407,222	370,705	-	-	370,705	-	-	-	370,705	06/01/44	4.50%	Monongalia County Ballpark
	WVU-228-D18 White Day Golf Course		1,250,000	1,199,000	-	1,199,000	-	-	-	-	-	06/30/19	0.00%	White Day Golf Course
	Energy Efficient Project Phase 3D		4,715,377	4,715,377	-	-	-	4,715,377	-	-	4,715,377	12/13/33	0.00%	Energy Efficient Project Phase 3D
	Notes Payable													
	WVUIC Dynamometer		2,723,346	3,000,000	-	-	44,625	3,000,000	-	-	3,000,000	06/28/21	3.52%	Finance dynamometer equipment
Total				11,027,658,964	829,224,626	217,603,141	192,838,970	11,639,280,449	60,500,050	428,356,298	11,150,424,101			

Spending Units Reporting No Debt:

Acupuncture, WV Board of
 Aeronautics Commission, WVDOT
 Agriculture, Department of
 Air Quality Board, WV
 Alcohol Beverage Control Commission
 Architects, WV State Board of
 Athletic Division, WV State
 Attorney General
 Auditors Office
 Barbers & Cosmetologists, Board of
 Blue Ridge Community and Technical College
 Bluefield State College
 Chiropractic Examiners, Board of
 Coal Mine Health and Safety, Board of
 Commerce, Office of the Cabinet Secretary Department of
 Consolidated Public Retirement Board, WV
 Counseling, Examiners in
 Courthouse Facilities Improvement Authority
 Crime Victims Compensation Fund
 Deaf & Hard of Hearing, Commission for the
 Dentistry Examiners, WV Board of
 Development Office, WV
 Developmental Disabilities Council
 Dietitians, Board of Licensed
 Division of Energy, WV
 Education, Department of
 Engineers, WV State Board of Registration for Professional

Enterprise Resource Planning
 Environmental Protection, WV Department of
 Environmental Quality Board, WV
 Ethics Commission, WV
 Financial Institutions, WV Division of
 Forestry Division
 Funeral Service Examiners, WV Board of
 Geologic & Economic Survey
 Governor's Office
 Hatfield-McCoy Regional Recreation Authority
 Hearing Aid Dealers, Board of
 Homeland Security & Emergency Management, Division of
 House of Delegates
 Human Rights Commission, WV
 Insurance Commissioner, The Office of the
 Joint Committee on Government and Finance, WV
 Justice and Community Services, Division of
 Labor, WV Division of
 Landscape Architects, State Board of
 Legislative Claims Commission
 Library Commission, WV
 Licensed Practical Nurses, Board of Examiners for
 Lottery Commission
 Massage Therapy Licensure Board
 Medical Imaging and Radiation Therapy Technology Board of Examiners
 Medicine, Board of
 Military Affairs & Public Safety-Office of the Secretary, Department of
 Miner's Health, Safety and Training, Division of
 Motor Vehicles, Division of

Spending Units Reporting No Debt (continued):

Municipal Bond Commission, WV
 New River Community and Technical College
 Northern Community and Technical College, West Virginia
 Occupational Therapy, Board of
 Osteopathic Medicine, WV Board of
 Parole Board, WV
 Division of Personnel
 Pharmacy, WV Board of
 Physical Therapy, WV Board of
 Pierpont Community and Technical College
 Prosecuting Attorneys Institute, WV
 Protective Services, Division of
 Psychologists, WV Board of Examiners of
 Public Defender Services, WV
 Public Employees Grievance Board
 Public Employees Insurance Agency
 Racing Commission, WV
 Rail Authority, WV State
 Real Estate Commission
 Registered Professional Nurses, Board of Examiners for
 Rehabilitation Services, Division of
 Risk and Insurance Management, Board of
 Sanitarians, WV State Board of
 School of Osteopathic Medicine, West Virginia
 Schools for the Deaf & Blind
 Secretary of State
 Senior Services, WV Bureau of
 Social Work Examiners
 Southern WV Community College
 Speech-Language Pathology & Audiology, WV Board of Examiners for
 Surveyors, WV Board of Professional
 Tax Department, WV State
 Office of Tax Appeals
 Tourism, WV Division of
 Treasurer's Office
 Treasury Investments, WV Board of
 Veterinary Medicine, Board of
 West Virginia University at Parkersburg
 Women's Commission
 Workforce WV
 WVNET

Spending Units NOT Reporting:

Accountancy, Board of
 Adjutant General
 Armory Board
 Arts, Department (formerly Division of Culture and History)
 Budget Office
 Eastern West Virginia Community and Technical College
 Educational Broadcasting Authority
 Fire Commission
 Health Care Authority
 Juvenile Service, Division of
 National & Community Service, WV Commission for
 Oil and Gas, Office of
 Optometry, WV Board of
 Respiratory Care, WV Board of
 Supreme Court