Effect of Long-term Debt on the Financial Condition of the State

DEPARTMENT OF LEGISLATIVE SERVICES 2025

Effect of Long-term Debt on the Financial Condition of the State

Department of Legislative Services
Office of Policy Analysis
Annapolis, Maryland

December 2025

Contributing Staff

Writers

Patrick S. Frank
Elizabeth J. Allison
Sara J. Baker
Andrew D. Gray
Emily R. Haskel
Samuel M. Quist
Micah Richards
Elizabeth Waibel

Reviewers

Patrick S. Frank
David C. Romans

For further information concerning this document contact:

Library and Information Services
Office of Policy Analysis
Department of Legislative Services
90 State Circle
Annapolis, Maryland 21401

410-946-5400 ● 1-800-492-7122, Extension 5400
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Victoria L. Gruber
Executive Director

Ryan Bishop
Director

DEPARTMENT OF LEGISLATIVE SERVICES
OFFICE OF POLICY ANALYSIS
MARYLAND GENERAL ASSEMBLY

December 2025

The Honorable Jim Rosapepe
Senate Chair, Spending Affordability Committee

The Honorable Mark S. Chang
House Chair, Spending Affordability Committee

Dear Chairs:

The Department of Legislative Services' annual report on the *Effect of Long-term Debt on the Financial Condition of the State* is presented. This report follows the format of previous reports and includes a review of the recommendations of the Capital Debt Affordability Committee (CDAC), an independent affordability analysis, and independent policy recommendations to the Spending Affordability Committee (SAC).

CDAC complements the efforts of SAC in management of the State's bonded indebtedness. CDAC is required to submit a recommended level of debt authorization to the Governor and the General Assembly in October of each year. The existence of the committee within the Executive Branch means that consideration of debt affordability will occur at the time of formulation of the State's capital program as well as the time of approval of the program by the General Assembly.

The statistical analysis and data used in developing the recommendations were prepared by Patrick Frank with assistance from Elizabeth Allison, Sara Baker, Andrew Gray, Emily Haskel, Samuel Quist, Micah Richards, and Elizabeth Waibel. The manuscript was prepared by Brett Ogden.

Respectfully submitted,

Victoria L. Gruber
Executive Director

Ryan Bishop
Director

VLG:RB/bao

LEGISLATIVE SERVICES BUILDING · 90 STATE CIRCLE · ANNAPOLIS, MARYLAND 21401-1991
410-946-5220 ■ 800-492-7122 Ext. 5220 ■ TTY 410-946-5401

Contents

Letter of Transmittal iii

Chapter 1. Recommendations of the Department of Legislative Services 1

New General Obligation Bond Authorization 1

Moody's Investors Service Downgrades Maryland General Obligation Bonds to Aa1 1

Issuance Policies Reviewed and New Policy Adopted 2

Interest Rate Update 2

Issuance of Transportation Debt 2

Issuance of Bay Restoration Bond Debt 3

Issuance of Higher Education Academic Debt 3

Chapter 2. Recommendations of the Capital Debt Affordability Committee 5

New General Obligation Debt Authorization 5

General Obligation Bond Issuance Assumptions 5

Higher Education Academic Debt 7

Chapter 3. State Debt 9

General Obligation Bonds 9

General Obligation Bond Refunding 12

Program Open Space Debt Service Payments 13

Federal Tax Credit and Direct Payment Bonds 14

Transportation Debt 18

Consolidated Transportation Bonds 18

Special Transportation Project Revenue Bonds 20

Future Debt Issuance 21

Grant Anticipation Revenue Vehicle Bonds 22

Conclusions and Recommendations on Transportation Debt 23

Capital Leases Supported by State Revenues 24

Energy Performance Contracts 26

Changes to Lease Accounting Rules 26

Bay Restoration Bonds 27
Background 27
Fund Balance Status 28
Revenue Bond Schedule 28
Moody's Downgrades Debt 30
Maryland Stadium Authority 30
Revenues Supporting Maryland Stadium Authority Debt 33
State Debt Issuances 35
Non-State Debt 37
Local Project Assistance and Feasibility Studies 48
Chapter 4. Affordability Analysis 51
Personal Income 51
Revenue Projections 52
Affordability Analysis 53
Chapter 5. Long-term Cost Forecasts 57
General Fund Appropriations Are Necessary to Support Debt Service 57
Out-year Debt Service Costs Expected to Increase Steadily 57
Home Values Have Increased Steadily in Recent Years 59
General Funds Are Appropriated to Keep State Property Taxes Low 62
General Fund Appropriations for Debt Service Since 1980 65
Rating Agencies Are Concerned about Pension and Other Post Employment Benefits Liabilities 67
Overview of Defined Benefit Pension Plans 67
Other Post Employment Benefits Outlook 71
Chapter 6. Analysis of Factors Influencing Bonds' Interest Cost 75
Financial Theory and Research Identifies Factors That Influence the True Interest Cost 75
The Equation Identifies Statistically Significant Factors Influencing Interest Costs 76
Moody's Downgrading Maryland Bonds to Aa1 Has No Measurable Effect on the True Interest Cost, Although Other Factors May Be Masking the Effect 78

Chapter 7. Nontax-supported Debt 79
Debt Outstanding 79
Revenue and Private Activity Bonds 80
Allocation of Private Activity Bonds 81
Maryland Economic Development Corporation Bonds 82
University System of Maryland 84
St. Mary's College of Maryland 88
Morgan State University 89
Baltimore City Community College 90
Chapter 8. Issues 91
Moody's Investors Service Assigns Negative Outlook to Maryland General Obligation Bonds 91
Maryland Is a High-debt State 92
Maryland Has Authorized Large Amounts of Stadium Authority Debt Since Calendar 2019 95
Upgrade or Downgrade Possible 96
Review of Issuance Policies 97
Interest Rate Update 102
Maryland General Obligation Bond Interest Rates Are Still Below the 5% Coupon Rates 103
Appendix 1. Estimated General Obligation Bond Issuances 105
Appendix 2. Maryland General Obligation Bond Debt True Interest Cost Analysis 107
Appendix 3. Agency Debt Outstanding 109

Chapter 1. Recommendations of the Department of Legislative Services

New General Obligation Bond Authorization

The Capital Debt Affordability Committee (CDAC) recommended a limit of $1.75 billion for new authorizations of general obligation (GO) bonds for fiscal 2027, which is consistent with projected authorizations planned in the Department of Budget and Management's (DBM) *Capital Improvement Program* (CIP).

Moody's Investors Service Downgrades Maryland General Obligation Bonds to Aa1

Prior to the June 2025 GO bond sale, State officials briefed Fitch Ratings, Standard & Poor's (S&P) Global Ratings, and Moody's Investors Service Inc. on economic, financial, fiscal, and governance issues affecting Maryland State government. Fitch and S&P rated Maryland AAA stable. Moody's downgraded Maryland's debt to Aa1. Since they began rating Maryland debt, this is the first sale for which Maryland did not have a AAA rating from all three major rating agencies. Although Maryland no longer has AAA ratings from all three agencies, Maryland debt remains highly rated. The bond sale had six bidders for all four issuance groups, which is high for such a large bond sale. All three rating agencies acknowledge the State's longstanding credit strengths.

In downgrading Maryland's rating, Moody's cited Maryland's vulnerability to federal job reductions and evolving U.S. government policies. Moody's noted that Maryland's gross domestic product (GDP) growth from December 2018 to December 2024 was half of the U.S. real GDP growth. Moody's anticipates that federal actions will extend Maryland's economic underperformance. Moody's also noted that Maryland's long-term liabilities are the highest among AAA-rated states. This is discussed in more detail in Chapter 8.

The State's capital budget increased substantially in fiscal 2025 and has remained large. For fiscal 2025, planned GO bond authorizations were $1.25 billion. In October 2023, CDAC increased this authorization by $0.5 billion to $1.75 billion. CDAC has reaffirmed the increased authorization and is sustaining $1.75 billion through the forecast period. Maryland is a high-debt state. When comparing Maryland's long-term liabilities to states with AAA ratings from the three major rating agencies, Maryland is consistently the highest or second highest. Increasing GO bond authorizations reduces the likelihood that GO bonds are upgraded and increases the likelihood that there will be more downgrades. **Insofar as there have been substantial increases to the State capital budget and there are cost and credit risks to increasing authorizations, the Department of Legislative Services (DLS) recommends that authorizations remain at $1.75 billion.**

Issuance Policies Reviewed and New Policy Adopted

As discussed in Chapter 8, CDAC has been using its issuance assumptions for more than 30 years. In recent years, issuances have deviated from these assumptions. The 2025 *Joint Chairmen's Report* (JCR) directed the State Treasurer's Office (STO) to work with DBM and DLS to convene a workgroup evaluating the issuance assumptions used by CDAC. The workgroup examined historical data and recommended revising issuance assumptions for new authorizations. The workgroup recommended that the new debt issuance assumptions should be based on the 10-year weighted moving average of actual project expenditures per capital budget bill. CDAC did not adopt the workgroup's recommendations. Instead, CDAC assumed that issuances would total $1.2 billion in fiscal 2027 and increase steadily to $1.31 billion in fiscal 2031. The CDAC assumptions imply that capital program spending will average $0.5 billion below annual authorizations. The workgroup did not find any data suggesting that issuances should be substantially below annual authorizations throughout the forecast period. **DLS recommends that the Spending Affordability Committee adopt the JCR workgroup issuance assumption recommendations.**

Interest Rate Update

From March 2020 to March 2022, interest rates were consistently lower than at any time since the early 1960s. In recent years, rates have increased but remain low. To date, higher interest rates have not increased debt service costs. STO and DLS' interest rate estimates assume a 5.00% coupon rate on bond sales. Until the true interest cost (TIC) is higher than 5.00%, higher interest rates will not increase debt service costs. When the TIC is less than the coupon rate, bonds sell at a premium. Higher interest rates have reduced premiums rather than increase debt service costs. This issue is discussed in more detail in Chapter 8. **DLS recommends that interest rates should be monitored and that interest rate assumptions increase if an anticipated TIC is more than 5.00%.**

Issuance of Transportation Debt

The Maryland Department of Transportation competes with other State capital projects within debt affordability limits. Transportation debt capacity is limited by the constraints on debt outstanding, debt service coverage, the cash flow needs for projects in the capital program, and overall State debt affordability limits. Transportation debt will need to be managed within the context of overall State tax-supported debt limits. Transportation bonds are discussed in more detail in Chapter 3. **DLS recommends that the General Assembly continue to set an annual limit on the level of State transportation debt to keep debt outstanding within the 4% of personal income debt affordability criterion and debt service within the 8% of revenues affordability criterion.**

Issuance of Bay Restoration Bond Debt

The Bay Restoration Fund (BRF) was created in 2004 primarily to provide grants for enhanced nutrient removal pollution reduction upgrades at the State's 67 major wastewater treatment plants. DLS projects that a program consistent with current laws and policies can be supported without issuing an additional $100 million in fiscal 2027. A fee increase enacted in 2012 to support the BRF is scheduled to sunset by fiscal 2031, which will limit the ability to support long-term debt service costs. BRF bonds are discussed in more detail in Chapter 3. **DLS recommends that the General Assembly continue to limit BRF revenue bond issuances at a level that maintains debt outstanding within the 4% of personal income debt affordability criterion and debt service within the 8% of revenues affordability criterion.**

Issuance of Higher Education Academic Debt

CDAC recommends a new debt authorization of academic revenue bonds in the amount of $30 million for the 2026 session. This amount is the same amount authorized in the 2025 session and is consistent with the amount programmed for the 2026 session in the 2025 CIP. Academic bond issuances are discussed in Chapter 7. **DLS concurs with the committee's recommendation that issuing $30 million in new University System of Maryland Academic Revenue Bonds is affordable.**

Chapter 2. Recommendations of the Capital Debt Affordability Committee

The Capital Debt Affordability Committee (CDAC) is required to recommend an estimate of State debt to the General Assembly and the Governor. The committee is chaired by the State Treasurer, and the other committee voting members are the Comptroller, the Secretary of Transportation, the Secretary of Budget and Management, and an individual appointed by the Governor. The chairs of the Capital Budget subcommittees of the Senate Budget and Taxation Committee and the House Appropriations Committee serve as nonvoting members. The committee meets each fall to evaluate State debt levels and recommend prudent debt limits to the Governor and the General Assembly. The Governor and the General Assembly are not bound by the committee's recommendations.

When reviewing State debt, CDAC considers general obligation (GO) bonds, including various taxable, tax-exempt, and tax credit bonds, consolidated transportation bonds, stadium authority bonds, bay restoration bonds, and capital leases supported by State revenues. Bonds supported by non-State revenues, such as the University System of Maryland's auxiliary revenue bonds or the Maryland Transportation Authority's revenue bonds, are examined but are not considered to be State-source debt and are therefore not included in CDAC's debt affordability calculation.

New General Obligation Debt Authorization

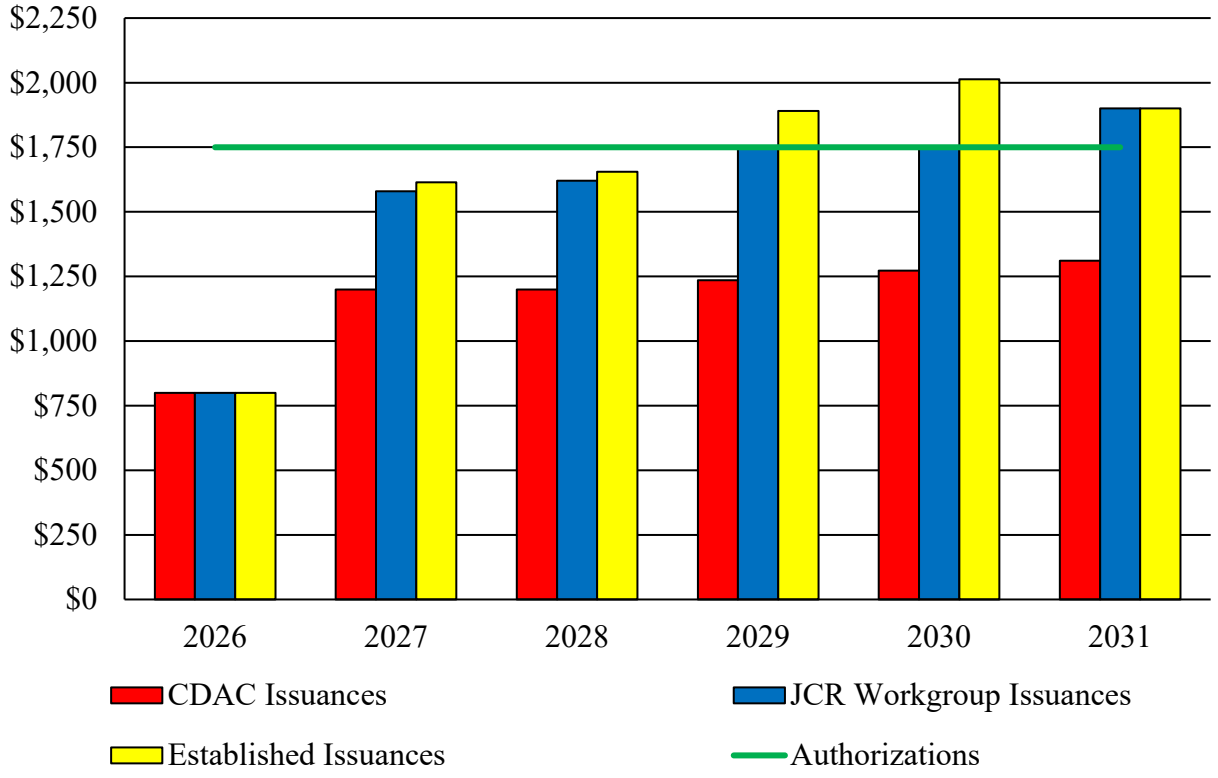
GO bonds support the State's capital program and are backed by the full faith and credit of the State. CDAC recommended a GO bond authorization level of $1.75 billion in fiscal 2027, which is consistent with the amount planned by CDAC last year and with the amount programmed in the 2025 *Capital Improvement Program* (CIP). For planning purposes, CDAC assumed the same level of GO bond authorizations for the remainder of the five-year planning period.

General Obligation Bond Issuance Assumptions

CDAC also considered alternative assumptions regarding the annual level of GO bond issuances. The 2025 *Joint Chairmen's Report* (JCR) directed the State Treasurer's Office to work with the Department of Budget and Management (DBM) and the Department of Legislative Services (DLS) to convene a workgroup to evaluate the issuance assumptions used by CDAC, which are based on a formula that has been unchanged for more than three decades. The workgroup recommended that CDAC use issuance assumptions based on a 10-year weighted average of actual project expenditures per capital budget bill.

Although DBM participated in the JCR workgroup, DBM also proposed an alternative recommendation to use issuance assumptions based on recent experience of lower expenditure levels, increasing moderately throughout the planning period. CDAC adopted these lower issuance assumptions. **Exhibit 2.1** compares the issuance assumptions using the previously established formula, the JCR workgroup recommendation, and the assumptions adopted by CDAC.

Exhibit 2.1
General Obligation Bond Authorizations and Issuances
Fiscal 2026-2031
($ in Millions)



CDAC: Capital Debt Affordability Committee
JCR: *Joint Chairmen's Report*

Note: The JCR workgroup approach assumes issuances consistent with the 10-year average so that annual authorizations are 29% in the first year, 25% in the second year, 14% in the third year, 8% in the fourth year, and 24% in the fifth year. The established issuance approach assumes that annual authorizations are 31% in the first year, 25% in the second year, 20% in the third year, 15% in the fourth year, and 9% in the fifth year. Estimated issuances from prior authorizations are the same for the 10-year average and established approaches.

Source: Department of Legislative Services

Because the CDAC-adopted issuance assumptions are based on trends in expenditure levels rather than trends in expenditure rates, DLS is concerned that the adopted assumptions significantly underestimate future issuance needs. The GO bond authorization level increased substantially in fiscal 2025, so issuances would also be expected to increase significantly as projects authorized in fiscal 2025 begin to expend funds. Accordingly, the debt affordability analysis in this report uses the JCR workgroup recommendation based on expenditure rates. Issuance policy implications are examined in more detail in Chapter 8.

Higher Education Academic Debt

CDAC recommends a new debt authorization of academic revenue bonds in the amount of $30 million for the 2026 session. This amount is the same amount authorized in the 2025 session and is consistent with the amount programmed for the 2026 session in the 2025 CIP.

Chapter 3. State Debt

Maryland has authorized the issuance of the following types of State debt:

- tax-exempt general obligation (GO) bonds backed by the full faith and credit of the State, which include Qualified Zone Academy Bonds (QZAB), Qualified School Construction Bonds (QSCB), Qualified Energy Conservation Bonds (QECB), and Build America Bonds (BAB);
- taxable GO bonds, which are issued in place of tax-exempt debt and include private activity bonds;
- capital leases, with annual payments subject to appropriation by the General Assembly;
- revenue bonds and notes issued by the Maryland Department of Transportation (MDOT), backed by operating revenues and pledged taxes of the department;
- Grant Anticipation Revenue Vehicles (GARVEE), pledging projected future federal transportation grants to support debt service payments;
- revenue bonds issued by the Maryland Stadium Authority (MSA) that are supported by State revenues;
- bay restoration bonds issued by the Maryland Department of the Environment's (MDE) Water Quality Financing Administration, pledging revenues from the Bay Restoration Fund (BRF); and
- revenue or bond anticipation notes, which may be issued by the Treasurer, and which must be repaid within 180 days of issuance. Currently, there are no anticipation notes outstanding.

General Obligation Bonds

GO bonds are authorized and issued to pay for the design, construction, renovation, or equipping of facilities for State, local government, and private-sector entities. Grants and loans are made to local governments and private-sector entities when the State's needs or interests have been identified. Projects funded with GO bonds include, but are not limited to, public and private colleges and universities, public schools and community colleges, prisons and detention centers, and hospitals. In October 2025, the Capital Debt Affordability Committee (CDAC) recommended a GO bond authorization level of $1.75 billion annually from fiscal 2027 to 2031. **Exhibit 3.1** shows that the 2025 CDAC recommendation provides $8.75 billion of new GO bond authorizations in the forecast period. The Department of Legislative Services (DLS) also anticipates $0.8 billion in general funds for capital projects. Combined capital GO bond and general fund requests for this same period total $12.4 billion, or 29% more than the recommended authorization level, including planned general funds.

Exhibit 3.1
Capital Funding Requests
Fiscal 2027-2031
($ in Millions)

	2027	2028	2029	2030	2031	Total
Higher Education	$499	$507	$673	$750	$746	$3,174
Education	646	575	589	576	566	2,951
Public Safety	281	547	553	203	31	1,614
Housing	304	312	318	321	313	1,569
State Facilities	266	270	214	216	157	1,123
Transportation	167	167	167	167	167	835
Health	117	153	239	135	47	691
Environment	97	75	62	78	84	395
Local Projects	11	9	9	9	9	46
Total Requests (GO Bonds and General Funds)[1]	**$2,387**	**$2,614**	**$2,823**	**$2,455**	**$2,120**	**$12,398**
Planned General Funds[2]	$168	$168	$168	$168	$168	$839
2025 CIP and 2025 CDAC Recommended GO Bond Authorization	1,750	1,750	1,750	1,750	1,750	8,750
Total Funding Planned/Authorized	**$1,918**	**$1,918**	**$1,918**	**$1,918**	**$1,918**	**$9,589**
Requests Over Planned Funding	**$469**	**$696**	**$905**	**$537**	**$202**	**$2,810**

CDAC: Capital Debt Affordability Committee
CIP: *Capital Improvement Program*
GO: general obligation

[1] Requests do not include miscellaneous project requests to the Governor or the legislature.
[2] Planned general funds estimated in the Department of Legislative Services' baseline budget are comprised of projects in the CIP.

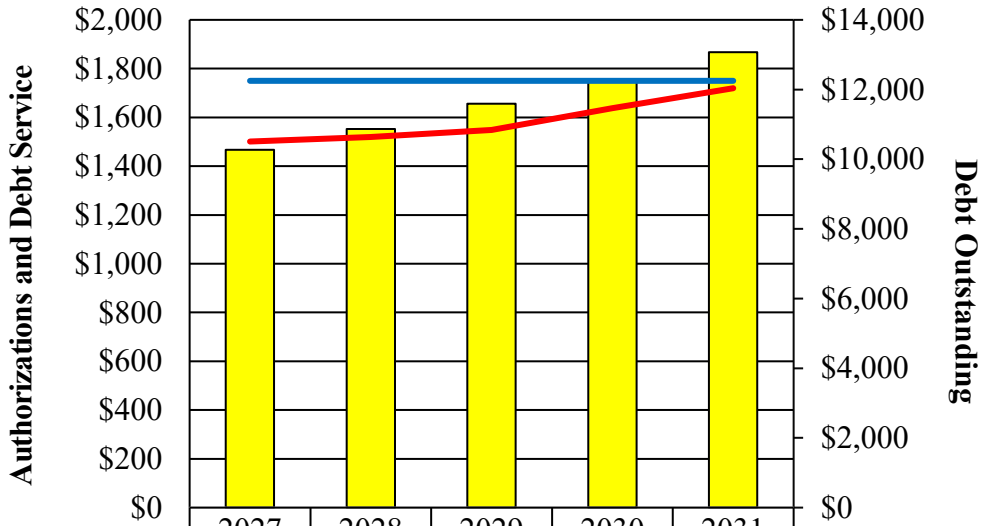
Note: Numbers may not sum to total due to rounding.

Source: Department of Budget and Management; Department of Legislative Services

The entire capital budget GO bond authorization is not issued the year in which it is authorized. As previously discussed, the 2025 *Joint Chairmen's Report* (JCR) directed the State

Treasurer's Office (STO), the Department of Budget and Management (DBM), and DLS to review issuance assumptions. This report uses this workgroup's consensus recommendations. Specifically, bonds authorized for each annual authorization will be fully issued over five years. Annual authorizations are 29% in the first year, 25% in the second year, 14% in the third year, 8% in the fourth year, and 24% in the fifth year. This delay in issuance results in a substantial lag between the time that GO bonds are authorized and the time that the bonds affect debt outstanding and debt service levels. **Exhibit 3.2** shows the 2025 CDAC recommended GO bond authorization level as well as debt service costs and debt outstanding over the five-year planning period from fiscal 2027 to 2031.

Exhibit 3.2
GO Bond Authorizations, Debt Service Costs, and Debt Outstanding
Fiscal 2027-2031
($ in Millions)



	2027	2028	2029	2030	2031
Debt Outstanding	$10,270	$10,865	$11,597	$12,281	$13,072
Proposed Authorizations	1,750	1,750	1,750	1,750	1,750
Debt Service	1,501	1,520	1,549	1,637	1,720

GO: general obligation

Note: Issuance assumptions are *Joint Chairmen's Report* Workgroup 10-year weighted moving average.

Source: Department of Legislative Services

General Obligation Bond Refunding

GO bonds recently issued by Maryland are callable after 10 years. Low interest rates can provide the State with the opportunity to refund bonds. The refunding process is financed by issuing new debt at lower interest rates and calling bonds.

Until January 1, 2018, federal tax law allowed the State one advanced refunding for every tax-exempt bond sale. Advanced refunding allowed the State to issue tax-exempt refunding bonds before the call date. The new debt was placed in an escrow account, from which debt service payments for the previously issued debt are made until the bonds are callable. This increases gross GO bond debt outstanding, but net debt remains constant. The advantages of advanced refunding bonds are that savings can be realized early, advanced refunding provides a hedge against increasing interest rates, and issuances can be bundled to increase efficiencies.

The federal Tax Cuts and Jobs Act (TCJA) of 2017 ended advanced refunding, which had become common. From fiscal 2010 to 2018, there were 11 refunding issuances; there were no refunding issuances between August 2017 and March 2020. From fiscal 2019 through 2025, there have been 5 refunding issuances, even though interest rates were lower than at any time since calendar 1961. **Exhibit 3.3** shows that refunding bonds have reduced debt service costs by $478 million since fiscal 2010. Savings have been less since advanced refunding ended. To compensate for the loss of advanced refunding bonds, the State issued forward delivery bonds in fiscal 2022.[1]

[1] The State issued forward delivery bonds to retire GO bonds that are callable in calendar 2022. The sale had an initial closing date on August 25, 2021, with settlement dates in March and May 2022, depending on the call date of the refunded bonds. The State entered into a Forward Delivery Bonds Purchase Agreement with the underwriter. The forward delivery bonds were sold to third-party purchasers. The underwriter entered into Delayed Delivery Contracts with the purchasers of the forward delivery bonds. The State was not party to the Delayed Delivery Contracts. Except as specified, a purchaser of forward delivery bonds will not be able to withdraw their orders on the 2022 settlement dates because of market or credit changes, including changes in the financial condition, operations, performance, or prospects of the State occurring between the closing date in August 2021 and the settlement dates in 2022. As such, the purchasers of the forward delivery bonds assume the market risk.

Exhibit 3.3
Refunding Issuances
Fiscal 2010-2025
($ in Millions)

Date of Sale	Type of Issuance	Par Value Issued	Par Value Retired	Savings
December 2009	Tax-exempt Advanced Refunding	$602.8	$606.3	$25.8
February 2010	Tax-exempt Advanced Refunding	195.3	200.4	9.3
September 2011	Tax-exempt Advanced Refunding	254.9	264.6	12.6
March 2012	Tax-exempt Advanced Refunding	138.4	140.7	12.6
August 2012	Tax-exempt Advanced Refunding	183.8	194.5	18.7
March 2013	Tax-exempt Advanced Refunding	165.1	168.7	10.0
March 2014	Tax-exempt Advanced Refunding	236.9	245.9	14.2
July 2014	Tax-exempt Advanced Refunding	649.7	695.2	69.2
March 2015	Tax-exempt Advanced Refunding	365.4	369.7	29.0
March 2017	Tax-exempt Advanced Refunding	465.7	490.3	29.0
August 2017	Tax-exempt Advanced Refunding	785.3	884.5	85.7
March 2020	Tax-exempt	232.2	257.3	24.7
July 2020	Tax-exempt	115.8	151.7	8.1
July 2020	Taxable	355.6	342.6	53.1
August 2021	Tax-exempt Forward Delivery	237.1	275.7	41.4
June 2025	Tax-exempt	656.7	685.8	34.8
Total		**$5,640.7**	**$5,973.9**	**$478.3**

Source: Public Financial Management and Public Research Advisory Group

Program Open Space Debt Service Payments

Program Open Space (POS) bonds totaling $70 million were authorized as the POS Acquisition and Opportunity Loan of 2009 (Chapter 419). The bonds were intended to replace funds lost due to the transfer of up to $70 million in POS State-share unencumbered fund balance to the General Fund. The Prior Authorizations of State Debt to Fund Capital Projects – Alterations Act of 2010 (Chapter 372) allows for the debt to be issued through GO bonds. The State ultimately issued GO bonds in place of POS bonds to reduce costs due to the GO bonds' low interest rates.

The full $70 million in GO bonds was issued as part of two State issuances, February and July 2010, as shown in **Exhibit 3.4**. The Department of Natural Resources (DNR) received $65 million, and the Maryland Department of Agriculture (MDA) received the remaining

$5 million. Some of the debt was issued as BABs. The bonds include federal direct payment subsidies that were reduced by sequestration. The reduction is less than $100,000.

Exhibit 3.4
Program Open Space GO Bond Issuances
($ in Thousands)

Issue Date	GO Bond Issuance	Principal
February 2010	First Series A, Build America Bonds	$33,333
July 2010	2010 Second Series A, Tax-exempt (Retail Sale)	11,945
July 2010	2010 Second Series B, Tax-exempt (Competitive Sale)	18,472
July 2010	2010 Second Series C, Taxable Build America Bonds	6,250
Total		**$70,000**

GO: general obligation

Source: Department of Budget and Management

The final debt service payment is in fiscal 2026. The payment is $1.7 million from the July 2010 BAB Series C. The debt service is deducted from transfer tax revenues allocated to DNR and MDA, proportionately, based on the share of the issuance each received.

Federal Tax Credit and Direct Payment Bonds

In addition to tax-exempt GO bonds, the State has also taken advantage of federal programs that allow it to issue bonds whereby the buyers can receive federal tax credits, or the State will receive a direct payment to offset interest costs. These bonds are issued in place of traditional tax-exempt GO bonds. To date, the State has issued QZABs, QSCBs, QECBs, and BABs. QZABs, QSCBs, and QECBs have been issued to support education capital projects. BABs support the same projects that tax-exempt bonds support.

To date, the State has issued $209 million in QZABs, QSCBs, and QECBs. **Exhibit 3.5** shows that DLS estimates that the lower costs associated with these bonds reduced total debt service payments by $66 million. However, some of these bonds are affected by federal sequestration reductions, which reduces the savings by almost $3 million.

Exhibit 3.5
Summary of Special Purpose Issuances

Type	Date Issued	Amount Issued	Debt Service Payments	Total Payments	Similar GO Payments[1]	Savings	Sequestration Reduction	Net Savings
QZAB	Nov-01	$18,098	$0	$12,432[2]	$27,182	$14,750	$0	$14,750
QZAB	Nov-04	9,043	0	7,356[2]	12,393	5,038	0	5,038
QZAB	Dec-06	4,378	0	3,609[2]	6,132	2,523	0	2,523
QZAB	Dec-07	4,986	0	4,089[2]	6,967	2,877	0	2,877
QZAB	Dec-08	5,563	6,142	6,142	7,606	1,464	0	1,464
QZAB	Dec-09	5,563	6,275	6,275	7,052	778	0	778
QSCB	Dec-09	50,320	0	49,570[2]	63,791	14,221	0	14,221
QSCB	Aug-10	45,175	0	44,497	52,731	8,234	-1,544	6,690
QZAB	Dec-10	4,543	0	4,474	5,302	828	-179	649
QZAB	Aug-11	15,900	15,900	15,900	20,267	4,367	-518	3,849
QECB	Aug-11	6,500	7,080	7,080	8,285	1,206	-184	1,021
QZAB	Aug-12	15,230	15,230	15,230	18,303	3,073	-334	2,739
QZAB	Dec-13	4,549	4,549	4,549	5,875	1,326	0	1,326
QZAB	Dec-14	4,625	4,625	4,625	5,971	1,346	0	1,346
QZAB	Dec-15	4,625	4,625	4,625	5,971	1,346	0	1,346
QZAB	Dec-16	4,680	4,680	4,680	5,926	1,246	0	1,246
QZAB	Dec-17	4,823	4,823	4,823	5,922	1,099	0	1,099
Total		**$208,601**	**$73,928**	**$199,954**	**$265,677**	**$65,723**	**-$2,760**	**$62,963**

GO: general obligation
QSCB: Qualified School Construction Bond
QECB: Qualified Energy Conservation Bond
QZAB: Qualified Zone Academy Bond

[1] Similar GO payments vary over time because interest rates vary. The analysis uses the GO true interest cost at the time that the debt is issued.
[2] Sinking fund payment.

Note: Numbers may not sum to total due to rounding.

Source: Comptroller of Maryland; State Treasurer's Office; Department of Legislative Services

Effect of Sequestration on Direct Payment Bonds

The federal Budget Control Act (BCA) of 2011 imposed caps on federal discretionary spending from federal fiscal 2012 to 2021. The Act also created the Joint Select Committee on Deficit Reduction to further reduce the federal deficit by at least $1.2 trillion over 10 years. The BCA

established a backup process to achieve the reduction with automatic spending cuts, or "sequestration."

Direct pay bonds are affected by mandatory reductions required through sequestration. STO advises that this reduces federal fund reimbursements for these bonds. As federal reimbursements decline, this mandatory reduction also declines. The Internal Revenue Service advises that the federal sequestration rate is expected to be 5.7% from federal fiscal 2021 to 2030. **Exhibit 3.6** shows that federal grants are expected to decline. These grants are winding down with the final payment in fiscal 2028.

Exhibit 3.6
Effect of Sequestration on Federal Fund Revenues
Fiscal 2026-2028
($ in Thousands)

Issuance	2026	2027	2028	Total
July 2010 Build America Bonds	$147	$0	$0	$147
July 2010 Qualified School Construction Bonds	983	0	0	983
December 2010 Qualified Zone Academy Bonds	114	0	0	114
August 2011 Qualified Zone Academy Bonds	660	330	0	990
August 2011 Qualified Energy Conservation Bonds	234	117	0	351
August 2012 Qualified Zone Academy Bonds	426	426	213	1,066
Sequestration and other adjustments	*-146*	*-50*	*-12*	-208
Total	**$2,418**	**$824**	**$201**	**$3,443**

Source: State Treasurer's Office; Internal Revenue Service; Congressional Budget Office; Department of Legislative Services

Qualified Zone Academy Bonds

QZABs were created under the federal Tax Reform Act of 1997 as a new type of debt instrument to finance specific education projects. In Maryland, the proceeds support the Aging Schools Program. QZABs are issued with the full faith and credit of the State. Consequently, QZABs are considered State debt. For purposes of calculating State debt affordability, QZABs are included in the State's GO bond debt outstanding and debt service.

The federal TCJA eliminated the QZAB program, so no additional issuances are planned. The last QZAB issuance will mature in fiscal 2028.

Qualified School Construction Bonds

QSCBs were created under the federal American Recovery and Reinvestment Act (ARRA) of 2009 as a new type of debt instrument to finance the construction, rehabilitation, or repair of public school facilities. The bonds are issued with the full faith and credit of the State and are considered debt. For purposes of calculating State debt affordability, QSCBs are included in the State's GO bond debt outstanding and debt service. These bonds were issued in place of tax-exempt bonds. The net effect of the bonds was to reduce the State debt service payments.

In December 2009, the State sold $50.3 million in QSCBs at par without a supplemental coupon. The bonds generate savings by replacing subsequent GO bond issuances that would have supported public school construction. Since there was no supplemental coupon, the State will not pay any interest on these bonds.

The State's second QSCB bond sale was in July 2010, when the State sold $45.2 million in QSCBs. At the time of the sale, federal direct payments fully subsidized the $29.4 million in debt service payments. Sequestration has reduced the federal subsidy by approximately $1.7 million. The State is not authorized to issue any additional QSCBs. This final QSCB matures in fiscal 2026.

Qualified Energy Conservation Bonds

QECBs were created by the federal Tax Extenders and Alternative Minimum Tax Relief Act of 2008. The ARRA increased the allocation. The bonds are taxable bonds. The State will receive a direct federal subsidy for 70% of the federal tax credit rate. All of the bonds mature in 15 years. The definition of qualified energy conservation projects is fairly broad and contains elements relating to energy efficiency capital expenditures in public buildings, renewable energy production, various research and development applications, mass commuting facilities that reduce energy consumption, several types of energy-related demonstration projects, and public energy efficiency education campaigns.

The State issued the full $6.5 million allocated to the State in July 2011. The proceeds support the construction of energy conservation projects at a school in St. Mary's County. This issuance is retired in fiscal 2027.

Build America Bonds

The ARRA authorized the State to sell BABs. The bonds support the types of projects that traditional tax-exempt bonds support and are issued in place of tax-exempt bonds. The buyers of the bonds do not receive any federal tax credit and are subject to federal taxes. Instead, Maryland receives a 35% subsidy from the federal government. Unlike QZABs, QSCBs, and QECBs, these bonds can support any project that is eligible to be funded with tax-exempt bonds.

The federal program expired on December 31, 2010. In calendar 2009 and 2010, the State issued BABs four times for issuances totaling $583 million. The final BAB issuance matured in fiscal 2025.

Transportation Debt

MDOT issues 15-year, tax-supported consolidated transportation bonds. Bond proceeds support highway construction and other transportation capital projects. Revenues from taxes and fees and other funding sources accrue to the Transportation Trust Fund (TTF) to pay debt service and operating budget requirements and to support the capital program. Debt service on consolidated transportation bonds is payable solely from the TTF.

In addition to issuing consolidated transportation bonds, MDOT also has debt that is referred to as nontraditional debt. Nontraditional debt currently includes Certificates of Participation, Special Transportation Project Revenue Bonds, and debt sold on MDOT's behalf by the Maryland Economic Development Corporation and the Maryland Transportation Authority. A portion of the financing for the Purple Line transit project is being provided through a federal Transportation Infrastructure Finance and Innovation Act loan that is considered MDOT nontraditional debt. The General Assembly annually adopts budget language that imposes a ceiling on MDOT's nontraditional debt.

Consolidated Transportation Bonds

The issuance of transportation bonds is limited by two criteria: (1) an outstanding debt limit; and (2) a coverage test. Section 3-202(b) of the Transportation Article establishes the maximum aggregate and unpaid principal balance of consolidated transportation bonds that may be outstanding at any one time. The maximum outstanding debt limit is currently $5.0 billion, increased from $4.5 billion by Chapter 604 of 2025 (Budget Reconciliation and Financing Act (BRFA)).

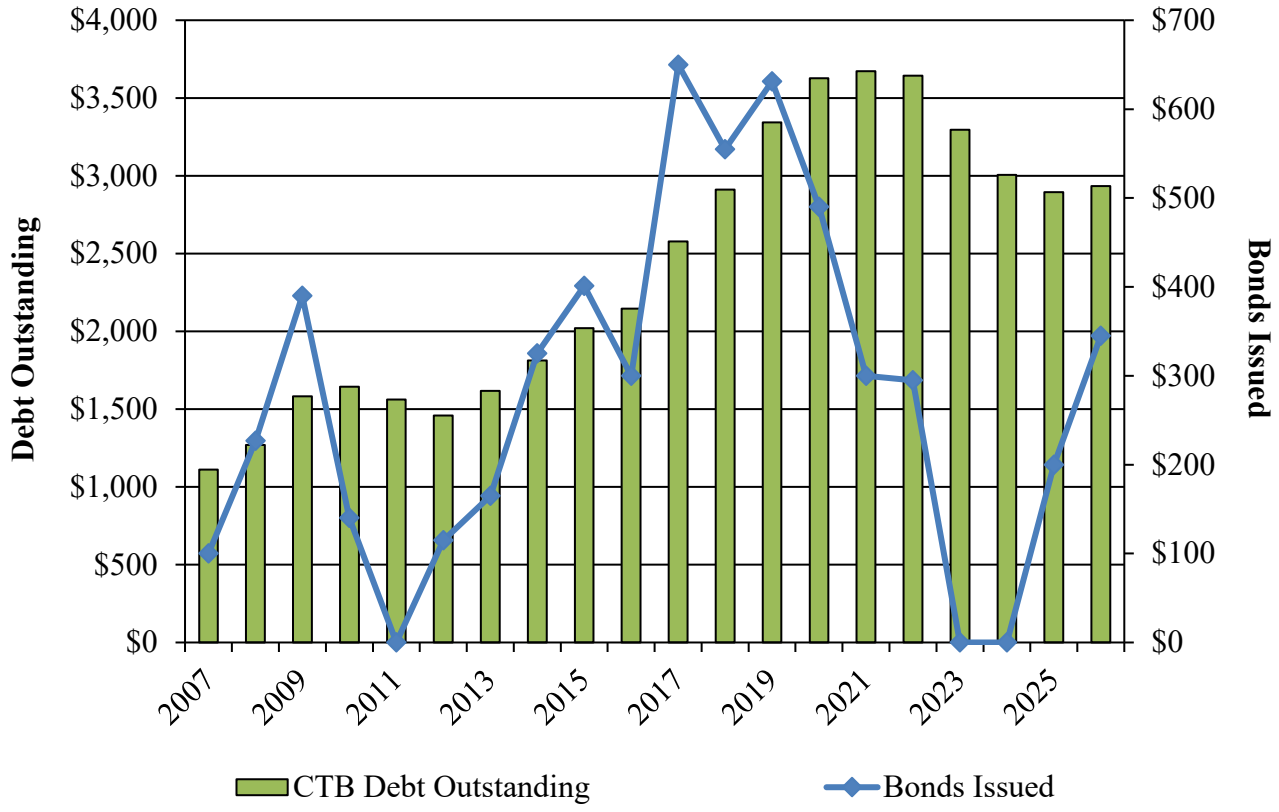
Section 3-202(c) of the Transportation Article further requires the General Assembly to establish each year in the State budget the maximum unpaid principal balance in bonds that may be outstanding at the end of the forthcoming year. The fiscal 2026 Budget Bill set the maximum ceiling for June 30, 2026, at $2.86 billion. However, MDOT estimates that as of June 30, 2026, debt outstanding will total $2.93 billion, as MDOT now projects that more bonds will be sold than previously estimated. During the 2025 session, additional revenue increases to the TTF were enacted, resulting in additional debt capacity. The budget bill language allows MDOT to increase the amount of debt that will be outstanding at the end of fiscal 2026 if it notifies the budget committees of its intent to increase debt outstanding and allows time for the budget committees to review and comment on the planned increase. On September 3, 2025, MDOT notified the budget committees of its intent to increase the annual debt outstanding limit for fiscal 2026 to $2.93 billion to reflect the additional planned issuances during the fiscal year.

The bond revenue coverage test, which is established in MDOT's bond resolutions, establishes that the department will maintain net revenues and pledged taxes equal to at least twice (2.0) the maximum future debt service, or MDOT will not issue bonds until the 2.0 ratio is met. MDOT has adopted an administrative policy establishing a minimum coverage of 2.5. Based on actual and projected bond sales, DLS estimates that as of June 30, 2026, MDOT will have a net income coverage of 3.1 and a pledged taxes coverage of 6.8.

MDOT has issued new (*e.g.*, nonrefunding) consolidated transportation bonds in 17 of the last 20 years, with the only exceptions being in calendar 2011, 2023, and 2024. After issuing no bonds in the previous 2 calendar years, MDOT held two bond sales during calendar 2025. The first, held in June, included $200 million in new issuances, and the second, held in October, included a combination of both $345 million in new issuances and $499 million in refundings of previously issued debt.

Exhibit 3.7 illustrates annual bond sales and changes in debt outstanding from fiscal 2007 to 2026. At the end of fiscal 2025, MDOT's net debt outstanding was $2.9 billion, well under the $5.0 billion debt outstanding debt limit. MDOT's net debt outstanding is projected to remain at roughly the same level in fiscal 2026.

Exhibit 3.7
Bonds Issued and Net Debt Outstanding
Maryland Department of Transportation
Fiscal 2007-2026
($ in Millions)



CTB: Consolidated Transportation Bond

Source: Maryland Department of Transportation; Department of Legislative Services

Special Transportation Project Revenue Bonds

In 2014, the General Assembly passed legislation allowing MDOT to issue transportation project revenue bonds backed by the revenues attributable to the facilities being financed for the payment of debt service on the bonds. Bonds issued under this authority may not include a pledge of the tax revenues accruing to the TTF and are not supported by tax revenues, like the motor fuel tax, so are not considered to be tax-supported debt. Special Transportation Project Revenue Bonds are a component of the department's nontraditional debt.

In February 2021, MDOT issued the first bonds under this authority, refunding bonds totaling $220 million to refund debt previously issued for certain projects at Baltimore/Washington International Thurgood Marshall Airport (BWI Marshall Airport). In July 2021, MDOT issued $190 million in new money bonds to fund construction of the Concourse A and B Connector and Baggage Handling System Replacement project at BWI Marshall Airport. A second issuance of new money bonds of approximately $220 million occurred in November 2024 to provide the remaining funds necessary to complete the project. The refunding bonds have a 10-year maturity, and the new money bonds have a 30-year maturity.

Future Debt Issuance

Each fall, DLS develops a TTF forecast that includes revenue and spending assumptions, which can vary sometimes significantly from those included in MDOT's September TTF forecast. These differences can lead to different conclusions on the amount of debt that can be issued to support MDOT's capital program. This year, the DLS forecast shows an increase in capacity to issue debt to support MDOT's capital program. The following is a discussion of the differences between the DLS and MDOT forecasts on revenues and debt issuance.

The DLS forecast of revenues is a net $27 million higher over the six-year period compared to the MDOT forecast. DLS is projecting that motor fuel tax revenues will be $126 million lower than MDOT's estimate, but this will be offset by higher titling tax revenues of $153 million over the six-year period. For titling tax revenues, although DLS anticipates lower demand in vehicle purchases in fiscal 2026 and 2027 than projected in the MDOT forecast, growth exceeds the level in the MDOT forecast for the remaining years of the forecast, resulting in an overall net increase. In addition to these revenue estimates, the DLS forecast also reflects a $46 million higher TTF balance at the close of fiscal 2025 compared to the MDOT forecast, due to the release of the MDOT forecast prior to the completion of closeout.

The DLS and MDOT forecasts both project that the MDOT administrative policy of maintaining a minimum debt service coverage ratio of 2.5 (net income to maximum debt service) will be adhered to in all years of the forecast period. Due to higher revenues projected in the DLS forecast and current net income debt service ratios that are above the 2.5 minimum, the DLS forecast projects that MDOT has capacity to issue an additional $460 million in new bond issuances from fiscal 2027 through 2031 while still maintaining a minimum debt service coverage ratio of 2.5 in all years of the forecast period. Debt issuances totaling $3.1 billion are included in the DLS forecast, compared to $2.6 billion assumed in the MDOT forecast. **Exhibit 3.8** shows the planned level of debt issuances, debt outstanding, and debt service included in the DLS and MDOT forecasts by fiscal year, and the resulting net income debt service coverage ratios in each forecast.

Exhibit 3.8
Consolidated Transportation Bonds
Fiscal 2026-2031
($ in Millions)

	2026	2027	2028	2029	2030	2031	2026-2031
Bond Issuances							
DLS	$345	$550	$550	$550	$550	$550	$3,095
MDOT	345	390	500	480	505	415	2,635
Difference	**$0**	**$160**	**$50**	**$70**	**$45**	**$135**	**$460**
Debt Outstanding							
DLS	$2,901	$3,137	$3,358	$3,557	$3,737	$3,906	
MDOT	2,934	3,002	3,165	3,287	3,425	3,469	
Difference	**-$33**	**$135**	**$193**	**$270**	**$312**	**$437**	
Debt Service							
DLS	$419	$448	$476	$507	$537	$558	$2,945
MDOT	426	446	468	496	512	523	2,871
Difference	**-$7**	**$2**	**$8**	**$11**	**$25**	**$35**	**$74**
Net Income Debt Service Coverage Ratios							
DLS	3.1	3.9	3.5	3.0	2.7	2.6	
MDOT	2.9	4.1	3.6	3.2	2.9	2.7	
Difference	**0.2**	**-0.2**	**-0.1**	**-0.2**	**-0.2**	**-0.1**	

DLS: Department of Legislative Services
MDOT: Maryland Department of Transportation

Source: Maryland Department of Transportation; Department of Legislative Services

Grant Anticipation Revenue Vehicle Bonds

Chapter 455 of 2023 and Chapter 604 expanded the authority of MDOT to issue GARVEE bonds backed by future federal aid. MDOT may issue such bonds, but the aggregate outstanding and unpaid principal amount of debt issued cannot exceed $1.0 billion as of June 30 of any year. Proceeds may only support:

- designing and constructing the Baltimore Red Line;

- procuring zero-emission buses and constructing related infrastructure, including bus maintenance facilities;
- developing and constructing the Southern Maryland Rapid Transit Corridor;
- designing and constructing improvements to the Maryland Route 2 and Route 4 corridor, including the Thomas Johnson Bridge;
- designing and constructing improvements to the Maryland Route 90 corridor;
- designing and constructing improvements to the Interstate 81 corridor; or
- major rehabilitation of the existing light rail system, including replacement light rail vehicles and related station and maintenance facility improvements.

Chapter 455 limits the maturity of GARVEE bonds to 15 years or less. According to the *Draft FY 2026-2031 Maryland Consolidated Transportation Program*, MDOT plans to issue a total of $343.3 million in GARVEE bonds between fiscal 2027 and 2031, and an additional $300 million in subsequent fiscal years, to support the Maryland Transit Administration's light rail modernization program, which includes the major rehabilitation of the existing light rail system.

Chapter 455 also amends § 8-104 of the State Finance and Procurement Article, which required that GARVEE bonds count as State debt. The Act also removed the requirement that MDOT make secondary pledges to secure GARVEE bonds with TTF revenues. MDOT advises that this requirement is no longer necessary to get competitive interest rates with GARVEE bond issuances.

Conclusions and Recommendations on Transportation Debt

MDOT competes with other State capital projects within debt affordability limits. Transportation debt capacity is limited by the constraints on debt outstanding, debt service coverage, the cash flow needs for projects in the capital program, and overall State debt affordability limits. Transportation debt will need to be managed within the context of overall State tax-supported debt limits. **DLS recommends that the General Assembly continue to set an annual limit on the level of State transportation debt to keep debt outstanding within the 4% of personal income debt affordability criterion and debt service within the 8% of revenues affordability criterion.**

Capital Leases Supported by State Revenues

Section 8-104 of the State Finance and Procurement Article requires that capital leases supported by State tax revenues be included in State debt affordability calculations. The law does allow an exception for energy performance contract (EPC) leases if the savings generated exceed the costs and they are properly monitored.

Beginning in 1987, the State's capital program began utilizing lease/leaseback financing for capital projects. These leases are used to acquire both real property and equipment. Real property leases allow facilities to be purchased through a lease with terms ranging from 15 to 25 years. The terms of equipment leases are 3, 5, and 10 years. Since fiscal 1994, the State has operated a program involving equipment leases for energy conservation projects at State facilities to improve energy performance.

Sections 8-401 to 8-407 of the State Finance and Procurement Article regulate leases. The law requires that capital leases be approved by the Board of Public Works (BPW) and that the Legislative Policy Committee (LPC) have 45 days to review and comment on any capital lease prior to submission to BPW. Chapter 479 of 2008 further regulates capital leases by amending § 12-204 of the State Finance and Procurement Article to require that capital leases that execute or renew a lease of land, buildings, or office space must be certified by CDAC to be affordable within the State's debt affordability ratios or must be approved by the General Assembly in the budget of the requesting unit prior to BPW approval.

All three types of leases (equipment, energy performance, and property) have advantages. Often, equipment leases involve data processing equipment or telecommunications equipment. Equipment leases offer the State more flexibility than purchases, since leases can mature before the end of an asset's useful life. Equipment leases are especially attractive in an environment where technology is changing very rapidly. Leases may also be written with a cancellation clause that would allow the State to cancel the lease if the equipment was no longer needed. Currently, the Treasurer's lease-purchase program consolidates the State's equipment leases to lower the cost by reducing the interest rate on the lease. The rate that the Treasurer receives for the State's equipment leases financed on a consolidated basis is less than the rates individual agencies would receive if they financed the equipment leases themselves.

For real property, the transaction generally involves an agreement in which the State leases property to a developer who in turn builds or renovates a facility and leases it back to the State. At the end of the lease period, ownership of the facility is transferred to the State. The primary advantage of property leases when compared to GO bonds is that they allow the State to act more quickly if an unanticipated opportunity presents itself. Because of the extensive planning and legislative approval process involved in the State's construction program, it often takes years to finance a project. Lease agreements are approved by BPW after they have been reviewed by the budget committees. Since BPW and the budget committees meet throughout the year, leases may be approved much more quickly than GO bonds, which must be approved by the entire

General Assembly during a legislative session. Therefore, property leases give the State the flexibility to take advantage of economical projects that are unplanned and unexpected.

For energy performance projects, agencies make lease payments using the savings that result from implementation of the conservation projects. Using the savings realized in utility cost reductions to pay off energy performance project leases allows projects to proceed that otherwise might not be of high enough priority to be funded, given all of the other competing capital needs statewide. Under the program, utility costs will decrease; as the leases are paid off, the savings from these projects will accrue to the State.

Exhibit 3.9 shows that projected tax-supported capital lease debt outstanding totals $103.8 million as of June 30, 2026. Debt service costs are $34.1 million in fiscal 2026.

Exhibit 3.9
Tax-supported Capital Lease Debt Outstanding and Debt Service
($ in Millions)

State Agency/Facility	Debt Outstanding June 2026	Debt Service Fiscal 2026
State Treasurer's Office		
Capital Equipment Leases	$3.5	$4.7
Energy Performance Projects	1.0	3.1
Maryland Department of Transportation		
Airport Shuttle Buses	14.4	2.1
Department of General Services		
Prince George's County Justice Center	5.5	1.5
Maryland Transportation Authority		
Annapolis State Office Parking Garage	8.8	1.5
Maryland Department of Health		
Public Health Laboratory	61.9	14.0
Total	**$95.1**	**$26.9**
New Equipment Leases	$8.7	$7.2
Total	**$103.8**	**$34.1**

Source: State Treasurer's Office

Energy Performance Contracts

Chapter 163 of 2011 allows CDAC to exclude capital leases if the savings they generate equal or exceed the lease payments. It also requires that EPCs be monitored in accordance with the reporting requirements adopted by CDAC. The Department of General Services (DGS) reviews these EPCs to determine if they do in fact generate savings. STO advises that five projects are excluded from CDAC calculations. **Exhibit 3.10** shows the EPC projects that are included as capital leases.

Exhibit 3.10
Tax-supported Energy Leases Lacking Surety Guarantee
Fiscal 2026
($ in Thousands)

Agency	Status	Debt Outstanding as of June 30, 2026	Debt Service
Motor Vehicle Administration	State Debt	$173	$810
Maryland Port Administration	State Debt	336	166
Maryland Aviation Administration	State Debt	800	0
Maryland Highway Administration	State Debt	1,829	0
Total		**$3,138**	**$976**

Note: Numbers may not sum to total due to rounding.

Source: State Treasurer's Office

In 2022, §12-301 of the State Finance and Procurement Article was amended to increase EPCs' maximum maturity from 15 years to 30 years. DGS advises that there are projects with a useful life and payback of more than 15 years. This change is expected to increase the number of viable EPCs. Although there may not be many 30-year agreements, there appear to be sufficient agreements that require more than 15 years.

Changes to Lease Accounting Rules

The Governmental Accounting Standards Board (GASB) is an independent, nonpolitical organization dedicated to establishing rules that require state and local governments to report clear, consistent, and transparent financial information. Effective with leases entered into after fiscal 2021, GASB requires government lessees to recognize a lease liability and an intangible asset representing their right to use the leased asset with limited exception. Lessees amortize the leased asset over the term of the lease and recognize interest expenses related to the lease liability. Exceptions are provided for short-term leases lasting 12 months or less along with financed purchases.

The new rules increase the amount of capital leases, but it is unclear to what extent. In response to the narrative in the fiscal 2019 JCR, DBM, DGS, and MDOT prepared a preliminary estimate of debt service costs and debt outstanding under the new GASB guidelines. The agencies estimated that fiscal 2018 lease debt would total $91 million with debt outstanding of $516 million. The fiscal 2019 *Comprehensive Annual Financial Report* estimates that the fiscal 2019 leasing costs totaled just under $100 million. This amount may well overstate leasing costs that would be State debt if the affordability process were to adopt GASB 87. For example, State debt measures only include debt supported by State revenues, by which not all these leases are supported. For example, university revenues and debt are not State revenues or debt.

2023 Workgroup and CDAC Capital Leasing Policy

In 2023, CDAC formed a workgroup that included STO, DBM, DGS, and DLS. The workgroup considered expanding the capital lease definition to include multi-year leases. The workgroup had gathered data and reviewed leases that are more than one year. It noted that amortizing the leases over the CDAC forecast period substantially increases administrative costs and that the costs of the leases under the existing State accounting approach include a substantial share of multi-year leases. The additional effort required to track and to amortize the out-year impacts of hundreds of leases provide only a marginal benefit, with little effect on CDAC ratios. CDAC reaffirmed that the State will keep the previous GASB definition of State debt. The amortization costs of these leases are equal to most of the costs associated with leases in excess of one year.

Bay Restoration Bonds

Background

The BRF was created in 2004 to provide grants for enhanced nutrient removal (ENR) pollution reduction upgrades at the State's 67 major wastewater treatment plants (WWTP). The BRF is funded by a $60 per year bay restoration fee on users of wastewater facilities (WWTP Fund) and septic systems and sewage holding tanks (Septic Fund). Fees were increased from $30 per year to $60 per year in 2012. The fund has several revenue sources and expends funds for both operating (MDE's operating expenses, operation and maintenance grants, bond expenses, and cost-effective nutrient load reductions) and capital (wastewater facility upgrades, sewer rehabilitation, and stormwater projects) purposes.

One of the largest alternative uses of the BRF was established by Chapters 694 and 695 of 2021. Chapters 694 and 695 implemented a mandatory transfer of $20.0 million annually from the BRF to the Clean Water Commerce Account to purchase cost-effective nutrient load reductions in support of the State's efforts to achieve the Chesapeake Bay Total Maximum Daily Load. Most recently, Chapters 558 and 559 of 2024 authorized the use of BRF – Wastewater Account funding for the use of the Whole Watershed Fund created by the Acts to accelerate restoration of the

Chesapeake and Atlantic Coastal Bays. In terms of prioritization, this authorization comes after the payment of BRF revenue bond debt service and funding eligible costs for WWTPs.

CDAC considered whether bay bonds are State debt in 2004. At the time, the committee agreed that the bonds are State debt. The Water Quality Financing Administration's bond counsel reviewed this issue and concurred with this opinion.

Fund Balance Status

The most recent data provided by MDE shows that the BRF closing balances, on a cash basis, have ranged from $154 million to $167 million from fiscal 2022 to 2025. The projected fiscal 2026 balance is $161 million. Overall, MDE notes that after fiscal 2026, the projected BRF closing balance is anticipated to decline through fiscal 2031 to $87 million. The reason for the increase in the estimated closing balance in fiscal 2026 is the lower than expected encumbrances and grant disbursements, which have been a trend in recent years. The BRF balance is forecast to decline in future years due to the allocation of funding to the Clean Water Commerce Account and the sunsetting of the BRF fee from $60 to $30 effective July 1, 2030.

Revenue Bond Schedule

To date, $330 million in par value has been issued. Debt outstanding peaked at $301.6 million in fiscal 2016 and then decreased steadily. Issuances are limited by the revenues generated by the WWTP share of the funds, overall State debt considerations, and limitations on uses. The current plan is to retire all debt by the end of fiscal 2030, when the fee is scheduled to drop to $30 per year. This limits the final issuance to a maturity period ending in fiscal 2030. Therefore, based on current law and project schedules reported in the 2025 *Capital Improvement Program* and past revenue uncertainties, MDE does not plan to issue any more revenue bonds, and DLS does not forecast that any revenue bonds will be issued under current laws and policies. **Exhibit 3.11** shows the outlook for fiscal 2026 through fiscal 2030.

Exhibit 3.11
Bay Restoration Wastewater Treatment Fund
Fiscal 2026-2030
($ in Millions)

	2026	2027	2028	2029	2030
Debt Outstanding	$94.7	$70.4	$44.9	$18.3	$0.0
Debt Service	27.1	27.3	27.7	28.0	18.8

Source: Maryland Department of the Environment

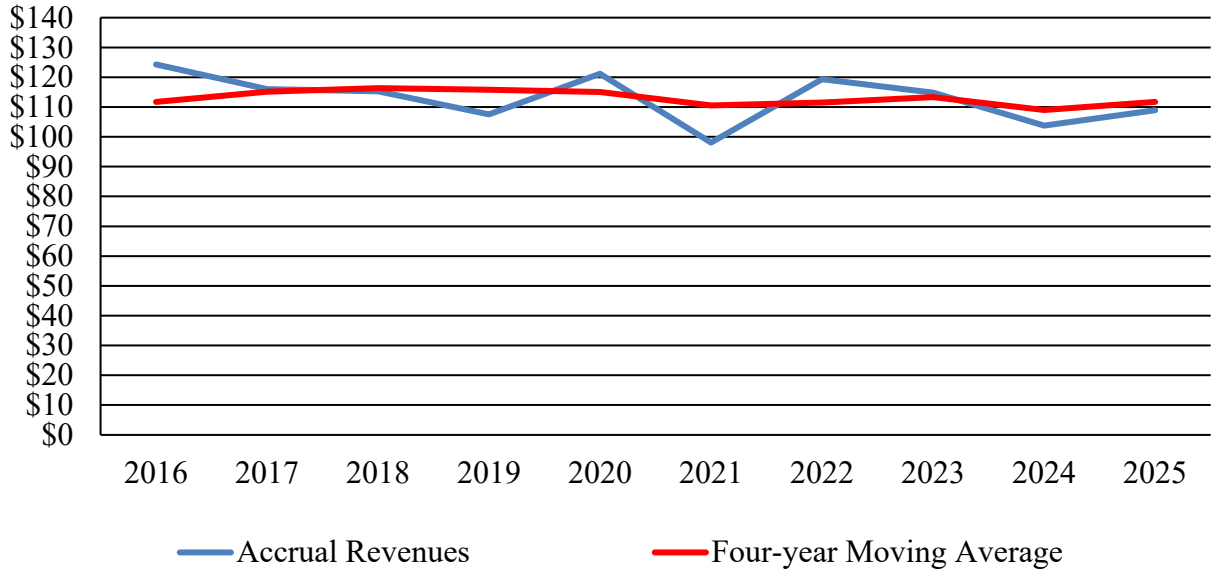
No Need to Issue Additional Debt

The overall BRF bond authorization is $590 million. Of this amount, MDE has issued $330 million and, as noted previously, is no longer planning to issue additional revenue bonds. DLS concurs with the assessment that there is no need to issue additional revenue bonds since ENR upgrades have largely been completed, there is an influx of federal funding, and any additional debt is limited to a maturity period ending in fiscal 2030 due to the fee dropping to $30 per year in fiscal 2031.

Revenues Have Stabilized, but Timing Concerns Remain

BRF fee revenues have fluctuated but stabilized at approximately $111 million per year since fiscal 2021, as shown in **Exhibit 3.12**. MDE has noted that the year-to-year revenue fluctuations are likely due to the timing of when payments are received by the Comptroller and remitted to MDE. Local government payment remitting delays can lower the revenues that MDE receives for one fiscal year and raise it for the next fiscal year.

Exhibit 3.12
Bay Restoration Fund Revenues
Fiscal 2016-2025
($ in Millions)



Source: Comptroller of Maryland

Moody's Downgrades Debt

The rating agency Moody's has now downgraded bay restoration revenue bonds three times while only offsetting one of these downgrades with an upgrade. The first downgrade was from Aa1 to Aa2 in December 2010, which was primarily due to the transfer of funds from the BRF to the General Fund in fiscal 2010 to help address budget gaps.

Moody's downgraded the bay restoration revenue bonds again in January 2022, from Aa2 to Aa3 due to the significant volatility and declines in BRF fee revenue caused both by the reduced usage and delayed remittances from local governments during the COVID-19 pandemic. Moody's noted that the BRF revenue "…structure depends on multiple utilities, each with its own enforcement and process, to collect and remit Bay Restoration Fund fees" and that "[g]reater remote work post-pandemic will shift some usage away from commercial property, which has a consumption-sensitive fee structure, and toward residential property, which does not."

Moody's Ratings announced in September 2024, that it upgraded the rating on approximately $140.0 million of BRF revenue bonds issued by MDE from Aa3 to Aa2.

Most recently, Moody's Ratings downgraded the BRF revenue bonds rating from Aa2 to Aa3 in May 2025. This is discussed in Chapter 8. Regarding bay bonds, Moody's downgraded the BRF revenue bonds once again because of stagnant pledged water treatment system user fees that pay debt service on the revenue bonds, and a determination that the additional bonds test of 1.1 times was weak.

DLS recommends that the General Assembly continue to limit BRF revenue bond issuances at a level that maintains debt outstanding within the 4% of personal income debt affordability criterion and debt service within the 8% of revenues affordability criterion.

Maryland Stadium Authority

Chapter 283 of 1986 created MSA to construct and operate stadium sites for professional baseball and football in the Baltimore area. MSA is authorized to issue taxable and tax-exempt revenue bonds for property acquisition and construction costs related to two stadiums at Baltimore's Camden Yards. The authority may also participate in the development of practice fields, team offices, parking lots, garages, and related properties.

In the 1990s, MSA's role expanded to include managing and issuing revenue bonds to renovate and expand convention centers in Baltimore City and Ocean City, construct a conference center in Montgomery County, and renovate the Hippodrome Performing Arts Center. More recently, MSA's role has been expanded to issue (1) up to $1.1 billion in debt for the purpose of constructing and improving public school facilities in Baltimore City; (2) up to $2.2 billion for public school facilities statewide; (3) up to $400 million for horse racing and community development; (4) additional bonds for Orioles and Ravens stadiums; (5) bonds for statewide sports

and entertainment facilities; and (6) bonds for Blue Line Corridor (BLC) projects in Prince George's County. The Baltimore City school debt, statewide school debt, and racing debt are not considered debts of the State. **Exhibit 3.13** lists MSA's current tax-supported authorized debt, debt outstanding, and annual debt service. MSA also issues non-State debt for stadiums. This is discussed in the non-State debt section at the end of this chapter.

Exhibit 3.13
MSA Revenue Debt Authorizations, Debt Outstanding, and Debt Service
Fiscal 2026
($ in Thousands)

Project	Revenues Supporting Debt	Authorized	Debt Outstanding	2026 Debt Service
State Debt				
Hagerstown Multi-Use Sports and Events Facility	General Fund	$59,500	$54,260	$3,750
Baltimore City Convention Center	General Fund	55,000	0	0
Ocean City Convention Center	General Fund	24,500	17,655	1,652
Baseball and Football Stadiums	Lottery and MSA	n/a	34,405	11,287
Subtotal		***$139,000***	***$106,320***	***$16,688***
Non-State Debt				
Built to Learn	Education Trust Fund	$2,200,000	$993,850	$62,108
Baseball and Football Stadiums and Camden Station[1]	Lottery and MSA	1,200,000	708,210	57,023
Baltimore City Public Schools	Lottery, Baltimore City, State grants to Baltimore City	1,100,000	946,930	59,998
Blue Line Corridor Projects	Lottery	400,000	0	0
Horse Racing and Community Development[2]	Lottery	400,000	233,835	6,645
Sports Entertainment Facilities Financing Fund	Lottery	220,000	204,725	18,445
Supplemental Facilities Fund	MSA	25,000	0	0
Subtotal		***$5,545,000***	***$3,087,550***	***$204,219***
Total		**$5,684,000**	**$3,193,870**	**$220,907**

MSA: Maryland Stadium Authority

[1] Authorization limit for Camden Complex includes the stadiums and Camden Station. The authorization does not specify between State and non-State debt. Chapter 60 of 2022 increased the limit from $235 million to $1.2 billion.
[2] The fiscal 2026 debt service payment is expected to be supported by capitalized interest.

Note: Numbers may not sum to total due to rounding.

Source: Maryland Stadium Authority

Revenues Supporting Maryland Stadium Authority Debt

The revenue sources supporting the projects are lottery revenues, Education Trust Fund (ETF) revenues, stadium authority revenues, general funds, and revenues pledged by Baltimore City. This section provides a short summary of these revenues. The bonds are discussed in more detail later in the chapter.

Lottery Revenues

These are the commitments supported by lottery revenues.

- ***Camden Yards and the Baseball and Football Stadiums with a $90 Million Annual Cap:*** There are two small bank loans that get first priority, the Series 2013 and Series 2014, with about $2.0 million in total debt service. The remaining bonds are lease-back revenue bonds, with the master lease as the pledge to the bondholders. These are parity bonds, so all bondholders have equal claims without any preference for any particular issuance.

- ***Baltimore City Public Schools (BCPS) with a $20 Million Annual Cap:*** The financing fund is the pledge to the bondholders. These are parity bonds.

- ***Racing and Community Development Fund with a $17.5 Million Annual Cap:*** This will be structured the same as BCPS bonds, with the financing fund being pledged to the bondholders. These will be parity bonds.

- ***Sports Entertainment Facilities Financing Fund with a $25 Million Annual Cap***: This will be structured the same as BCPS bonds, with the financing fund being pledged to the bondholders. These will be parity bonds.

- ***Prince George's County BLC Facility Fund with a $27 Million Annual Cap***: This will be structured the same as BCPS bonds, with the financing fund being pledged to the bondholders. These will be parity bonds.

Exhibit 3.14 shows that $134 million in lottery revenues were appropriated in fiscal 2025 to support debt service costs. For Camden Yards, BCPS, Prince George's BLC, and the Sports and Entertainment Financing Fund, annual debt service costs have a fixed limit. Chapter 410 of 2024 eliminated the annual $17 million cap on lottery revenues for debt service related to horse racing and community development. Debt service costs will be determined by the interest rate at the bond sales' closing. DLS estimates that total lottery revenues supporting capital projects could be as much as $182 million annually by fiscal 2028.

Exhibit 3.14
Lottery Revenues Supporting Capital Projects
Fiscal 2026-2028
($ in Millions)

Project	2026	2027	2028
Bonds with a Fixed Annual Lottery Revenues Limit			
Camden Yards Complex	$68.3	$88.1	$80.9
Baltimore City Public Schools	20.0	20.0	20.0
Prince George's County Blue Line Corridor Projects[1]	27.0	27.0	27.0
Sports Entertainment Facilities Financing Fund	18.4	25.0	25.0
Subtotal	***$133.8***	***$160.1***	***$152.9***
Bonds without a Fixed Annual Lottery Revenues Limit			
Horse Racing and Community Development[1]	$13.4	$17.0	$29.1
Total	**$147.2**	**$177.1**	**$182.0**

[1] Maryland Stadium Authority anticipates issuing bonds in December 2025, with a $6.6 million fiscal 2026 debt service payment supported by capitalized interest from the bond sale proceeds.

Note: Numbers may not sum to total due to rounding.

Source: Maryland Stadium Authority; Department of Legislative Services

MSA has noted that there are limits to how much lottery revenue can support debt service, and that the State may be close to those limits. New issuances increase debt service, which reduces coverage. Coverage is lottery fund deposits (gross sales less prize expenses, commissions, and operating expenses) divided by debt service costs.[2] Rating agencies consider coverage that is three times debt service costs to be strong. Current revenue and debt service out-year estimates imply that coverage will be just over three times debt service by fiscal 2028. This suggests little or no additional capacity if the current ratings are to be maintained. MSA continues to monitor revenues and debt service. The BRFA of 2025 reduces lottery revenues supporting the Bus Rapid Transit Fund by $10 million and substituted TTF revenues. This was done because of concerns that net lottery revenue could be insufficient to meet coverage. Since net revenues are close to coverage requirements, additional actions may be necessary in the out-years.

[2] Net revenues available after debt service costs are deposited into the General Fund.

MSA Revenues

Prior to the enactment of Chapter 60 of 2022, MSA's revenues have been used to support debt service for Camden Yards and the baseball and football stadiums when debt service exceeded $20 million. MSA revenues can also be used to support the Supplemental Facilities Fund.

Baltimore City

In addition to the lottery revenues previously mentioned, Baltimore City school construction bonds are also supported by Baltimore City funds. These include diverting State school aid and revenues from container taxes. Funding for Baltimore City school revitalization is discussed in more detail later in this chapter.

Education Trust Fund

A share of proceeds from video lottery terminals and table games at licensed gaming facilities is deposited into the ETF. The Built to Learn Act (Chapter 20 of 2020) required the Comptroller to make semiannual deposits from the ETF to the Supplemental Public School Construction Financing Fund. The initial payment into the supplemental financing fund was in fiscal 2023. Annual MSA deposits are $100 million beginning in fiscal 2024, since Prince George's County has entered into a public-private partnership (P3) to construct schools.

State Debt Issuances

Camden Yards Sports Complex

Statute limits the amount of bonds that the authority may issue at the Camden Yards Sports Complex and the allocation of outstanding tax-supported debt. The authority may only exceed the limit with approval of BPW and notification to LPC. There are three issuances, 2007, 2019A, and 2019B, that are State debt. The remaining debt is non-State, which is discussed in the next section.

Hagerstown Multi-Use Sports and Events Facility

Chapter 353 of 2021 created the Hagerstown Multi-Use Sports and Events Facility Fund as a continuing, nonlapsing fund to support financing and construction of the facility. The fund can support payment of debt service on MSA bonds, reasonable charges and expenses related to MSA's borrowing, and the management of MSA obligations. Beginning in fiscal 2023, the Governor is required to include a $3.75 million appropriation to the fund in the State operating budget. The fund can support up to $59.5 million in bonds.

MSA issued $57.6 million in 30-year bonds for the facility in March 2022. The sale realized an $11.6 million net premium after deducting the cost of issuance and the underwriter's discount. The project also uses $10.5 million in additional appropriations from the State. The project budget is $12.5 million for site acquisition, $3.0 million for design and engineering, and $66.6 million for

construction. In December 2022, MSA advised that based on current estimates, the scope of the facility would need to be reduced, or funding would need to be increased. Primary reasons for the additional need were inflation and higher than anticipated interest rates and acquisition costs. For example, $69.4 million received in bond proceeds is $5.2 million less than the October 2021 estimate. To address this shortfall, Chapter 468 of 2023 increased the Sports Entertainment Facilities Financing Fund debt outstanding cap from $200 million to $220 million. The legislation was also amended to allow nonprofit organizations to receive bond proceeds for projects. In October 2023, another $20.1 million in par value bonds supported by the Sports Entertainment Facilities Financing Fund were issued to support the Hagerstown facility. This fund is considered non-State debt. The fund is discussed in more detail in the Sports Entertainment Facilities Financing Fund section later in this chapter.

Baltimore City Convention Center

Chapter 695 of 2019 required that MSA enter into an agreement to begin planning and design of the expansion and renovation of the Baltimore City Convention Center. Prior issuances have been retired, so the full $55 million in capacity is available for the bonds. When the legislation was enacted, MSA expected to issue $50 million in bonds, of which two-thirds ($33.3 million) would be supported by the State, and one-third ($16.7 million) would be supported by Baltimore City. The State annual share of debt service would be about $2.6 million. Complications at the site delayed this project such that no bonds have been issued. The Baltimore City Convention Center received $25.7 million in the fiscal 2024 operating budget to begin renovation projects. The timing of any bond issuances is unclear.

Ocean City Conference Center

Chapters 217 and 218 of 2019 authorized additional bonds to expand the Ocean City Convention Center. In October 2019, MSA issued $20.9 million in tax-supported bonds to support construction of the expansion. The sale generated $3.8 million in net premiums, and proceeds totaled $24.7 million. To support the first two years of debt service interest payments, $1.9 million was deposited into a capitalized interest fund. Principal payments begin in the third year, with the final debt service payment in fiscal 2040. The renovation project also receives $15.0 million from the Town of Ocean City and $500,000 from the Maryland capital budget. Debt service payments will be $1.7 million beginning in fiscal 2023, and the bonds will be retired in fiscal 2040.

Camden Station

Statute provides that MSA may develop any portion of Camden Yards to generate incidental revenues for the benefit of the authority subject to approval of BPW and LPC. MSA received LPC and BPW approval in 2003 to renovate Camden Station, a historic four-story building next to the baseball stadium. Issuances were made in calendar 2007 and 2019 to renovate Camden Station, Orioles ballpark, and Ravens stadium.

Non-State Debt

MSA also is authorized to issue bonds supporting baseball and football stadiums, Baltimore City school construction, the statewide public school construction program, horse racing facilities, sports entertainment facilities, and BLC projects that are not considered to be State debt.

Non-State Debt Issued for the Camden Yards Sports Complex on Advice of Bond Counsel

Since fiscal 2010, MSA has issued Sports Facilities Taxable Lease Revenue Bonds to fund capital improvement projects at the Camden Yards Sports Complex. The bonds have been secured by lottery revenues and, in the opinion of bond counsel, did not constitute tax-supported debt. An agreement with the Comptroller ensures that lottery proceeds are deposited with a trustee for the benefit of the holders of the bonds.

In fiscal 2012, MSA issued approximately $105 million in fixed-rate lease revenue bonds that were used to refund the fiscal 1998 and 1999 variable-rate bonds. This transaction eliminated exposure risks and some annual fees associated with the current variable-rate debt.

While the State does not consider this to be State debt, this interpretation of State debt is not universal. For example, Moody's Investors Service considers all debt from lottery revenues to be debt of the State that issued the debt. Moody's estimates of Maryland's debt service to revenues affordability ratio tend to be higher than the CDAC ratio, which is one factor that results in a lower calculation by CDAC than Moody's.

2022 Authorizations for Orioles Park and Ravens Stadium

Chapter 60 increased the statutory limit for bonds for the stadiums and Camden Yards complex from $235 million to $1.2 billion in outstanding debt. This provides $600 million for each team. The law prohibits MSA from issuing debt with maturities that exceed the length of teams' leases. Debt service is supported by lottery revenues.

In January 2023, BPW approved a new lease between the State and the Ravens. The new lease terminated and replaced the existing lease. The lease is 15 years, with two 5-year renewal options that can only be exercised by the Ravens. This lease extends the lease period through the 2037 National Football League season. In August 2023, $413 million in par value bonds were issued for improvements to the Baltimore Ravens' M&T Bank Stadium. This included taxable, tax-exempt, and conversion bonds. The bonds mature in September 2037.

In September 2023, MSA and the Orioles entered into a memorandum of understanding (MOU) for a new facility use agreement and ground lease for development rights. As a condition of financing, Chapter 60 requires that there be a lease, lease renewal, or extension of a lease that will not terminate prior to the maturity date or payoff of any bonds issued. In December 2023, BPW approved a new lease between the State and the Baltimore Orioles that extended the existing

lease from January 1, 2024, to December 31, 2053. The lease is subject to (1) the Orioles having the authority to reduce the end of the lease to December 31, 2038, if the Orioles and MSA do not have a ground lease by December 31, 2027; (2) MSA's bond repayment not exceeding the minimum lease period of December 31, 2037; and (3) replacing the lease extension with a Facility Use Agreement if the Orioles and MSA do not have a master development agreement by December 31, 2027. Facility Use Agreement provisions include (1) the Orioles not paying rent; (2) the Orioles maintaining the stadium; (3) establishing capital, emergency reserve, and safety and repair funds, mostly funded by MSA or the State; and (4) authorization for the Orioles to sell naming rights.

Exhibit 3.15 shows that fiscal 2026 debt service totals $68.3 million. In addition to the new debt issued since debt outstanding was increased in 2022, issuances from calendar 2007 and 2019 have not been retired.

Exhibit 3.15
Baseball and Football Issuances' Debt Service
Fiscal 2026-2039
($ in Millions)

Fiscal Year	Football Series 2007	Football Series 2019A	Football Series 2023 A&B	Football Subtotal	Baseball Series 2019B	Baseball Series 2025A	Baseball Series 2025 B&C	Baseball Subtotal	Total
2026	$6.4	$3.7	$34.4	$44.5	$1.2	$13.5	$9.1	$23.8	$68.3
2027	0.0	0.0	43.5	43.5	3.4	13.5	27.8	44.6	88.1
2028	0.0	0.0	44.5	44.5	3.4	13.5	19.5	36.4	80.9
2029	0.0	0.0	44.6	44.6	3.4	13.5	19.5	36.4	81.0
2030	0.0	0.0	44.5	44.5	3.4	13.5	19.5	36.4	80.8
2031	0.0	0.0	44.3	44.3	3.4	13.5	19.4	36.3	80.6
2032	0.0	0.0	44.2	44.2	3.4	13.5	19.4	36.3	80.5
2033	0.0	0.0	44.0	44.0	3.4	13.5	19.3	36.2	80.2
2034	0.0	0.0	43.8	43.8	3.4	13.5	19.3	36.2	80.0
2035	0.0	0.0	43.7	43.7	3.4	13.5	19.2	36.1	79.8
2036	0.0	0.0	43.5	43.5	3.4	13.5	19.2	36.1	79.5
2037	0.0	0.0	43.2	43.2	3.4	13.5	19.1	36.0	79.3
2038	0.0	0.0	44.1	44.1	3.4	13.5	18.6	35.5	79.5
2039	0.0	0.0	0.0	0.0	3.4	13.5	19.5	36.4	36.4
Total	**$6.4**	**$3.7**	**$562.3**	**$572.4**	**$44.8**	**$189.4**	**$268.3**	**$502.6**	**$1,075.0**

Source: Maryland Stadium Authority, September 2025

Supplemental Facilities Fund

The Supplemental Facilities Fund was established in Chapter 221 of 2019. This continuing, nonlapsing fund can be used to support facilities that directly or indirectly benefit the sports facilities at Camden Yards. MSA can issue up to $25 million for supplemental facilities in Baltimore City. This could include developing, establishing, acquiring, owning, leasing, improving, operating as landlord, regulating, maintaining, selling, transferring, or otherwise disposing of property acquired under the Act. The Act also authorizes MSA to enter into partnerships with Baltimore City, units of the State or local government, or private developers.

Revenues to the fund consist of funds appropriated for deposit, proceeds from the sale of bonds concerning supplemental facilities, revenues collected or received from any source under the bill related to supplemental facilities, and any additional money made available from any public or private source for the purposes established for the fund. To the extent that it is considered appropriate by MSA, the receipts of a supplemental facility must be pledged to and charged with the following relating to the supplemental facility: the payment of debt service on MSA bonds; all reasonable charges and expenses related to MSA borrowing; and the management of MSA obligations.

The fund is to support the Camden Yards complex, so it cannot support the Baltimore Convention Center facility or the Hippodrome Performing Arts facility in Baltimore City. Debt issued is not a debt of the State, MSA, or any other governmental unit. MSA has not issued any Supplemental Facilities Fund bonds.

Baltimore City School Revitalization Program

Chapter 647 of 2013 authorized MSA to issue up to $1.1 billion in debt for the purpose of constructing and improving public school facilities in Baltimore City. Any debt issued by MSA to finance construction or improvement of Baltimore City public school facilities is not a debt, liability, or pledge of the faith and credit or taxing power of the State. Sources of revenue to pay the debt service and other project costs are:

- all revenues generated by the Baltimore City beverage container tax;
- Baltimore City's proceeds from table games at its video lottery facility that are dedicated to school construction and 10% of the participation rent paid by the video lottery facility operator to Baltimore City;
- $10.0 million in State education aid due to the Baltimore City Board of School Commissioners (BCBSC) from forgone Baltimore City expenses attributable to recurring retiree health care costs shifted from Baltimore City to BCBSC beginning in fiscal 2017;
- $20.0 million in annual proceeds from the State lottery beginning in fiscal 2016;

- $10.0 million diverted from State education aid to BCBSC in fiscal 2016 and $20.0 million in each fiscal year thereafter beginning in fiscal 2017;
- proceeds from the sale of bonds to finance improvements to BCPS facilities; and
- any other funds or revenues received from or dedicated by any public source to support the initiative.

MSA is responsible for managing all public school construction and improvement projects in Baltimore City that are financed under the Act. However, MSA may not use any of its own funds, whether appropriated or nonbudgeted, to pay for any costs or expenses related to its role as project manager. Annual debt service payments are capped at $60 million.

In April 2016, MSA issued the first round of debt dedicated to the first phase (Year 1 schools) of the school construction program. The 30-year, tax-exempt revenue bonds totaled $320.0 million and garnered a premium of $66.1 million to be used for construction costs for 11 schools. The second bond issuance supporting Year 2 schools was issued in February 2018. A total of $426.4 million was issued. The sale generated a $70.0 million premium that supports construction.

MSA issued $525 million in bonds in three series in July 2020. Series A was $194 million in tax-exempt bonds. Series B was $34 million in tax-exempt green revenue bonds. Series C was $296 million in taxable refunding bonds. Refunding Series C did not generate any proceeds for the project fund. Rather, the series reduced debt service costs of prior bond sales, which increased how much could be issued in Series A. The par value and premiums for Series A and B are deposited into the project fund. In addition to the par value, the premium for Series A was $98 million, and the premium for Series B was $16 million, bringing the total proceeds deposited into the project fund from this sale to $342 million.

The final issuance was in July 2022. MSA issued capital appreciation bonds, which extended the Baltimore City School revitalization bond debt service payments for five years. The final debt service payment will be in fiscal 2055, instead of 2050. The bonds pay no debt service until fiscal 2051, at which point there are five annual debt service payments totaling $60 million from fiscal 2051 to 2055. The bonds' par value is $66.05 million, and the true interest cost (TIC) is 5.002%. This sale increases the net par value issued after adjusting for refunding issuances to $1,040 million with total proceeds, including bond sale premiums and capital appreciation bonds, totaling $1,269 million.

Built to Learn Act

The Built to Learn Act (Chapter 20) and Built to Learn Act – Revisions (Chapter 698 of 2021) established a program to fund public school construction statewide. MSA is authorized to issue up to $2.2 billion in revenue bonds, backed by annual payments from the ETF, for public school construction

projects in the State, including to support a possible P3 agreement for Prince George's County. Projects are approved by the Interagency Commission on School Construction.

Since revenues for debt service are fixed, how much is available for projects will be determined by interest rates when bonds are sold. To date, three series of bonds have been issued. **Exhibit 3.16** shows that $1.14 billion of bond proceeds have been deposited into the project fund.

Exhibit 3.16
Results from First Three Built to Learn Bond Sales
Fiscal 2021-2024
($ in Millions)

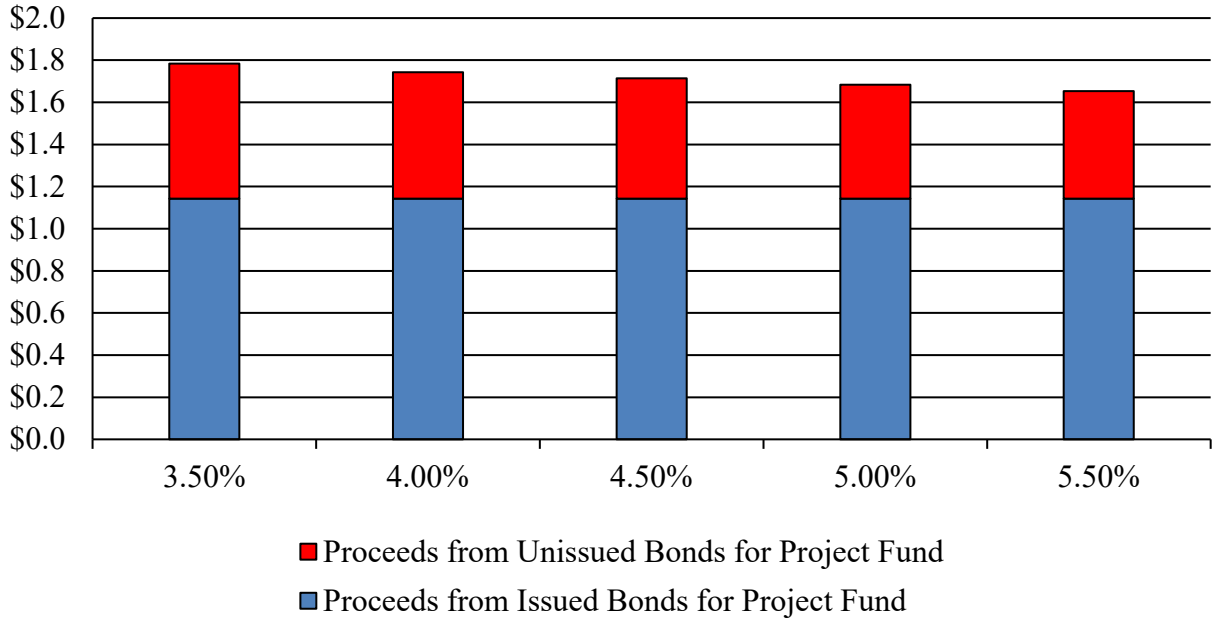
	Series 2021	Series 2022	Series 2024	Total
Fiscal Year That Issuance Matures	2051	2052	2054	
Par Value	$257.0	$373.1	$410.7	$1,040.8
Premium Net of Issuance and Capitalized Interest Costs	28.9	40.4	33.4	102.7
Total Available for Project Fund	**$285.9**	**$413.5**	**$444.2**	**$1,143.5**
Average Annual Debt Service[1]	$14.8	$21.7	$27.9	$64.4
Final Debt Service Payment[2]	14.8	36.5		
True Interest Cost	2.83%	3.21%	4.26%	
Average Coupon	3.80%	4.06%	4.90%	
Bond Buyer 20-Bond Index in Week of Sale	2.28%	3.19%		
Average Life (Years)	18.4	19.4	20.7	
Delivery Date	11/02/21	03/10/22	10/30/24	
Bid Dates	10/19/21	02/23/22	10/08/24	

[1] Since the fund earns interest, actual debt service could exceed the $100 million appropriation in some fiscal years.
[2] Bonds mature in 30 years. When an issuance matures and no longer pays debt service, the subsequent issuance has a balloon payment in its final year.

Source: BofA Securities; Department of Legislative Services

Exhibit 3.17 shows that DLS estimates that if the TIC of the remaining sales is 3.50%, another $640 million is available to be deposited into the project fund for a total of $1.78 billion. Should the TIC increase to 5.50%, additional project funds total $510 million, which provide $1.65 billion in total project funds.

Exhibit 3.17
Effect of Increasing Interest Rates on Proceeds for BTL Bonds
Average Interest Rate of Remaining Bond Sales
($ in Billions)



BTL: Built to Learn

Source: BofA Securities; Department of Legislative Services

Racing and Community Development Act of 2020

MSA's support of horse racing began with the Racing and Community Development Act (Chapter 590 of 2020), which authorized MSA to issue up to $375 million in bonds for financing planning, design, construction, and related expenses for racing facilities at Pimlico and Laurel Park. Chapter 590 required that a minimum of $180 million support Pimlico and $155 million support Laurel Park. Delays in reaching agreements, increasing costs, higher interest rates, and increased scope resulted in total project cost estimates that were significantly over budget.

Chapter 410 of 2024 amended State law to consolidate racing at Pimlico. Bonds can also support a training facility outside of Pimlico. BPW approval is required prior to any bond issuance, and MSA must provide financing plans to the fiscal committees 45 days prior to BPW approval.

In addition to $400 million in bond proceeds, the Racing and Community Development Financing Fund has accumulated a large cash balance to support project expenditures at Pimlico and the new training facility. **Exhibit 3.18** shows that the Racing and Community Development Financing Fund has $523 million of authorized bond proceeds and available fund balance through fiscal 2026. Cash resources will fund the purchase and development of a training facility at an estimated cost of $110 million as well as operations and other costs. On May 7, 2025, BPW approved the purchase of Shamrock Farm in Carroll County as the training facility.

Exhibit 3.18
Racing and Community Development Financing Fund
Receipts and Bond Proceeds
($ in Millions)

Par Value of Lottery Bonds	$400.0
Lottery Appropriations for PAYGO Capital Spending from Fiscal 2022 to 2026	81.4
Racing Facilities Renewal Fund	34.5
Interest Earnings	6.7
Total Available for Capital Costs	**$522.6**

PAYGO: pay-as-you-go

Source: Maryland Stadium Authority; Maryland Thoroughbred Racetrack Operating Authority

MSA's plan is to use the full $400 million of bond authorization to support Pimlico renovations. The demolition of Pimlico is substantially complete, and the construction phase is expected to commence shortly after the proposed first bond issuance in December 2025. The authority anticipates spending $7 million in December 2025, with monthly spending more than doubling in the summer months. Total spending through January 1, 2027, is $187 million.

Under current conditions, interest rates for taxable lottery bonds are 5.90%, and the estimated annual debt service costs on a $400 million issuance over 30 years is $29 million. While current law provides *at least* $17 million annually for debt service, MSA's bond advisors have raised concern that the marketability of the bonds is negatively impacted because the statute does not set a fixed amount of debt service that is consistent with the anticipated debt service costs. Consequently, MSA will issue an amount that can be supported by $17 million in debt service costs in December 2025. MSA will request legislation in the 2026 session to amend the statute to increase the annual debt service appropriation to an amount sufficient to issue a total of $400 million in par value. If enacted, MSA proposes issuing the remaining bonds in December 2026.

Exhibit 3.19 shows that the authority anticipates realizing $233.8 million in proceeds in the December 2025 sale. The project receives $226.2 million, and $6.6 million is deposited in a

capitalized interest fund to pay the fiscal 2026 debt service. Thus, fiscal 2026 debt service appropriations can support capital expenditures.

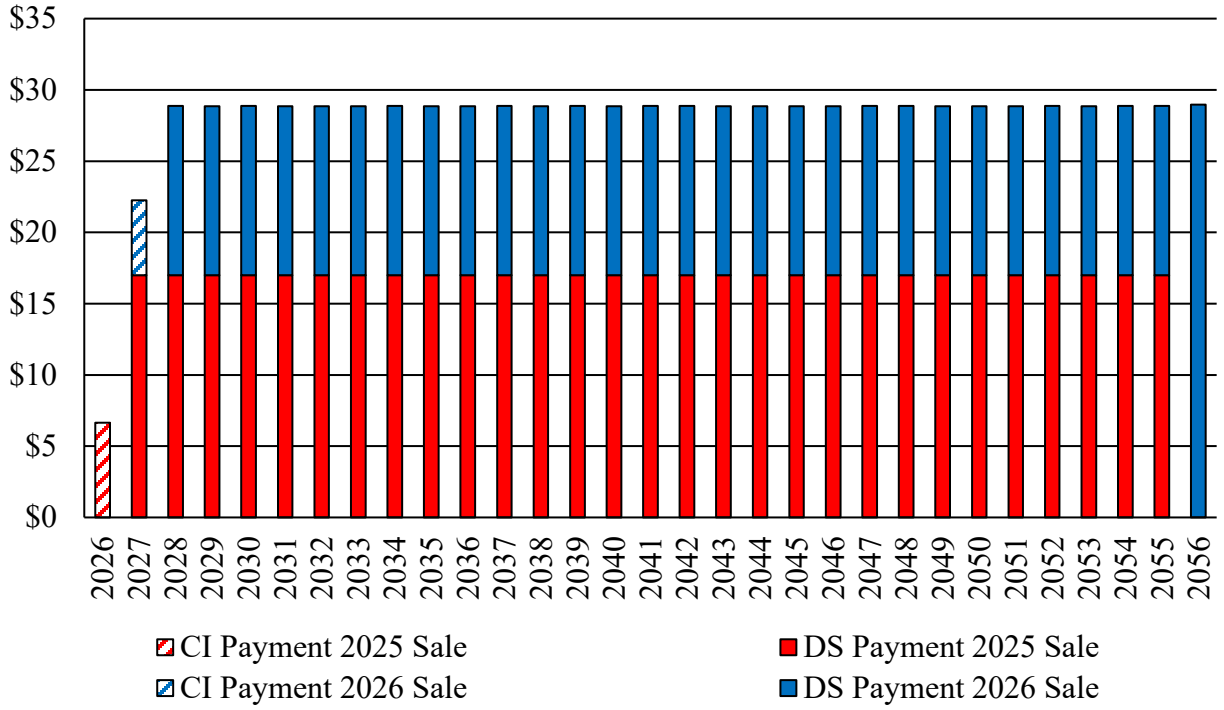
Exhibit 3.19
Racing and Community Development Financing Fund
Projected Sources and Uses
December 2026 Sale
($ in Thousands)

Sources	
Series 2025 Revenue Bond Principal	$233,835
Uses	
Capital Projects	$226,202
Capitalized Interest	6,645
Cost of Issuance	988
Total Uses	**$233,835**

Source: Maryland Stadium Authority; Public Resources Advisory Group

If State law is amended to require a specific amount of debt service, MSA can issue another $166 million in December 2026. DLS estimates that if interest rates remain constant, this increases total debt service costs to $29 million, $12 million more than anticipated when the project was approved in 2020. **Exhibit 3.20** shows that this also includes a capitalized interest fund to pay fiscal 2027 debt service costs.

Exhibit 3.20
Proposed Racing and Community Development Act Debt Service
Fiscal 2026-2056
($ in Millions)



CI: capitalized interest
DS: debt service

Source: Maryland Stadium Authority; Public Resources Advisory Group; Department of Legislative Services

Sports Entertainment Facilities Financing Fund

Chapter 61 of 2022 created the Sports Entertainment Facilities Financing Fund. A sports entertainment facility is a structure or other improvement at which minor league games are played or other non-major league sporting events are held. It includes parking lots, garages, and other property adjacent and directly related to the facility. It does not include a (1) facility located at Camden Yards; (2) sports facility; or (3) high school, collegiate, or recreational venue that does not generate positive incremental tax benefits to the State.

To fund a project, MSA must secure a written agreement with the nonprofit, State, county, or local government in which the sports entertainment facility is located, as approved by BPW, under which the source of funding and the order in which funds will be spent is described, and the State,

county, or local government agrees to (1) own, market, promote, and operate or contract for the marketing, promotion, and operation of the sports entertainment facility in a manner that maximizes the facility's economic return; (2) maintain and repair or contract for the maintenance and repair of the facility; and (3) any other terms or conditions deemed necessary or appropriate by MSA. The county or local government in which a sports entertainment facility financed by the bill is located must annually report to the fiscal committees of the General Assembly on the sports entertainment facility's assessment of the maintenance and repair needed to keep the facility in operating order.

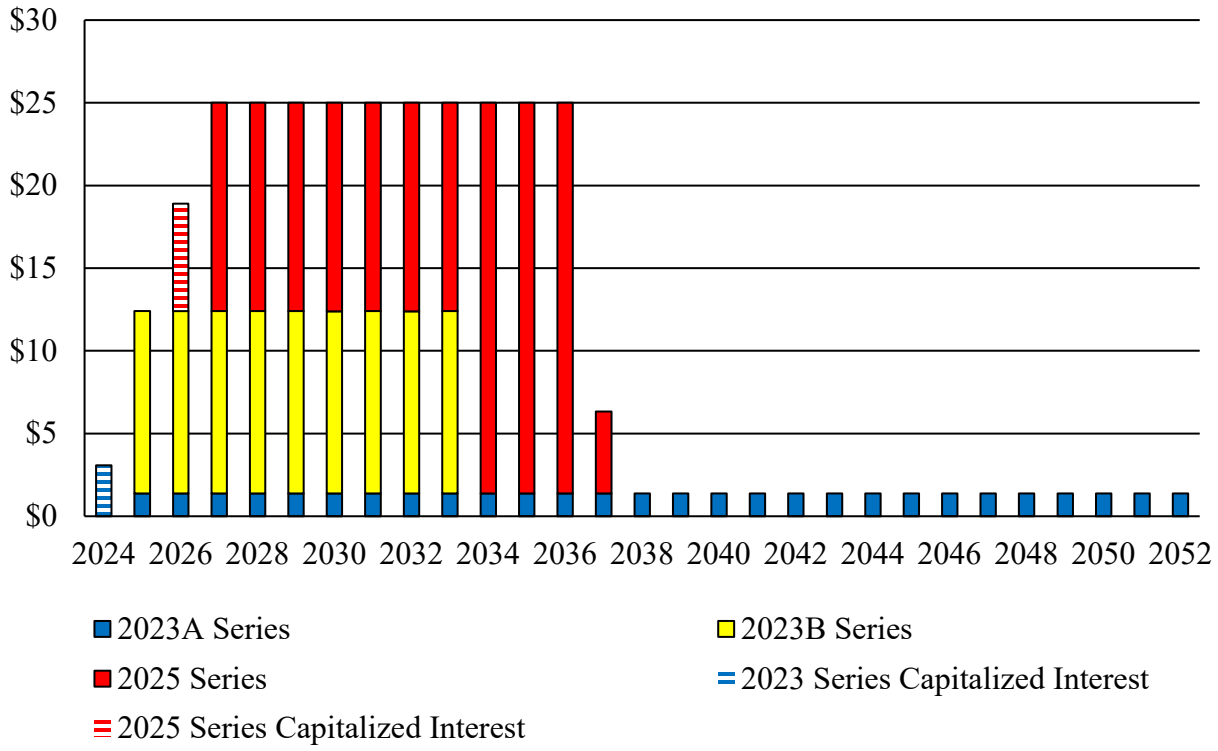
The fund is supported by two biennial deposits of lottery funds. Annual appropriations cannot exceed $25 million, and total debt outstanding cannot exceed $220 million. Total debt outstanding is low compared to other financing funds. MSA anticipates issuing bonds with shorter maturities that will be amortized more quickly, so the fund will not need as high a level of debt outstanding. The shorter amortization allows MSA to fund more projects.

MSA issued $98.5 million in bonds in two series in October 2023. The sales realized $5.1 million in premiums. The first year of debt service, which is an interest only payment, is $3.1 million supported by capitalized interest funded with bond proceeds. Series A was $20.1 million in tax-exempt bonds that mature in 30 years to support the Hagerstown Multi-Use Stadium and Event Facility in Washington County. Series B was $78.4 million in tax-exempt bonds that realize premiums sufficient to provide $20 million for each of these facilities:

- Prince George's Stadium in Prince George's County, home of the Chesapeake Baysox, the Class AA affiliate of the Baltimore Orioles;
- Arthur W. Perdue Stadium in Wicomico County, home of the Delmarva Shorebirds, the Class A affiliate of the Baltimore Orioles;
- Nymeo Field at Harry Grove Stadium in Frederick County, home of the Frederick Keys, an unaffiliated Major League Baseball Draft League team;
- Regency Furniture Stadium in Charles County, home of the Southern Maryland Blue Crabs, an unaffiliated Atlantic League team; and
- Hagerstown Multi-Use Stadium and Event Facility in Washington County, home of the Hagerstown Flying Boxcars, an unaffiliated Atlantic League team.

In June 2025, MSA issued $121.5 million in par value bonds that realized an $11.1 million premium. The project fund received $126 million to support the renovation of the minor league stadiums that received proceeds from the 2023B sale. Additionally, Leidos Field at Ripkin Stadium in Harford County, home of the Ironbirds, received funds. **Exhibit 3.21** shows that this issuance uses all debt capacity through fiscal 2036.

Exhibit 3.21
Sports and Entertainment Facility Financing Fund Debt Service Payments
Fiscal 2024-2052
($ in Millions)

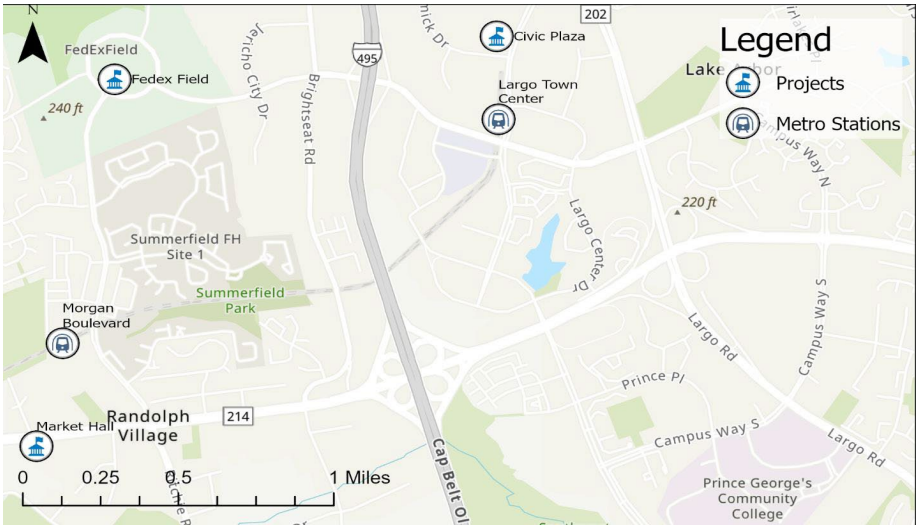


Source: Public Resources Advisory Group, Inc.

Prince George's County Blue Line Corridor Facilities' Projects

Chapter 61 created the Prince George's County BLC Facility Fund. A BLC facility is a structure located within BLC that is (1) a convention center; (2) an arts and entertainment amphitheater; or (3) any other functionally related structure, improvement, infrastructure, furnishing, or equipment of a facility, including parking garages. **Exhibit 3.22** shows potential projects identified by Prince George's County in April 2022.

Exhibit 3.22
Potential Blue Line Corridor Projects



Source: Prince George's County; Esri; U.S. Geological Survey; SafeGraph; GeoTechnologies, Inc., April 2022

To finance site acquisition, planning, design, and construction of a BLC facility, MSA must notify the fiscal committees of the General Assembly and provide them with a comprehensive financing plan as specified and obtain the approval of BPW of the proposed bond issue, the financing plan, and the required agreement with Prince George's County. MSA must also secure a written agreement with Prince George's County identifying the roles and responsibilities of each party with respect to the BLC facility.

The fund is supported by two biennial deposits of lottery funds. Annual appropriations cannot exceed $27 million, and total debt outstanding cannot exceed $400 million. Issuances are most commonly expected to be amortized over 30 years. MSA advises that it does not anticipate requiring any debt service appropriation before fiscal 2027.

Local Project Assistance and Feasibility Studies

The 1998 capital budget bill (as amended by Chapters 204 of 2003 and 445 of 2005) authorizes MSA to assist State agencies and local governments in managing construction projects. The budget committees must be notified, and funding must be provided entirely by the agency or local government requesting assistance unless funding is specifically provided in the budget for the project. MSA is also authorized to conduct feasibility studies. The budget committees must give approval for the studies, and costs must add to no more than $500,000 annually of MSA's nonbudgeted funds.

Recent studies include a Baltimore County sports tourism center at Reisterstown Park, Ocean City Indoor and Outdoor Sports Complex, and Hagerstown Community College Athletic Facilities. Chapter 615 of 2024 required that MSA study a northwest Baltimore County sports and tourism complex. Feasibility studies represent projects still in the planning stages. These studies do not require any debt and are excluded from the affordability analysis and long-term debt projections.

MSA is also completing a study to provide a market and impact analysis of the expansion options for the Ocean City Convention Center. In October 2023, the MSA Board of Directors approved an MOU between the Town of Ocean City and MSA that formalizes MSA's relationship and expected role in any future Ocean City Convention Center expansion. As part of the strategic planning efforts, the committees approved MSA's participation in a long-term space needs assessment and parking demand study. Released in March 2025, the *Ocean City Convention Center Space Master Plan and Parking Demand Study* evaluates three building expansion options and related parking space needs impact. In June 2025, MSA advised the committees of a study to provide a market and impact analysis of the expansion options. Any expansion of the facility is expected to increase demand for parking to the point that additional parking will be required. The Town of Ocean City, however, would like to complete the market and economic impact study before making any decisions about expanding parking. While this does not obligate the State to issue bonds, it is noteworthy that this is for a project that has received State support for multiple prior bond issuances, with the latest issuance maturing in fiscal 2040.

Chapter 4. Affordability Analysis

The Capital Debt Affordability Committee's (CDAC) mission is to advise the Governor and the General Assembly regarding the maximum amount of debt that can prudently be authorized. To evaluate debt affordability, the committee has adopted these two criteria:

- State debt outstanding should be limited to 4% of Maryland personal income; and
- State debt service should be limited to 8% of revenues supporting the debt service.

These criteria compare debt to economic factors that relate to the wealth of Maryland citizens (personal income) and the resources of the State (revenues). Maintaining debt levels within the guidelines set by the committee allows the State to maintain its high bond rating and support a growing capital program that is sustainable.

The criteria are flexible enough to allow the State to adjust the program as the State's fiscal condition changes. The flexibility allowed the State to prudently increase the capital program when operating funds became scarce during the recession earlier this decade. The criteria also offer the State a predictable, stable, and transparent process.

As noted in prior chapters, the Department of Legislative Services' (DLS) analysis assumes general obligation (GO) bond authorizations consistent with the limit proposed by CDAC. Issuance assumptions are those proposed by a workgroup to examine issuances required by the 2025 operating budget *Joint Chairmen's Report*. The workgroup's recommendations are discussed in Chapter 2, and the implications of the different issuance assumptions are examined in Chapter 8.

Personal Income

Exhibit 4.1 shows the official Board of Revenue Estimates (BRE) September 2025 personal income estimates.

Exhibit 4.1
Maryland Personal Income
Calendar 2026-2031
($ in Billions)

Year	Personal Income Estimate	% Change
2026	$528	3.08%
2027	548	3.70%
2028	570	4.00%
2029	594	4.16%
2030	618	4.04%
2031	641	3.89%

Source: Board of Revenue Estimates

Revenue Projections

Exhibit 4.2 shows the out-year revenue projections through fiscal 2031. General fund, transfer tax, and Blueprint for Maryland's Future Fund estimates are consistent with BRE estimates. Bay Restoration Fund estimates were prepared by the Maryland Department of the Environment, and stadium revenue estimates were prepared by the Maryland Stadium Authority (MSA).

Exhibit 4.2
Revenue Projections
Fiscal 2026-2031
($ in Millions)

Fiscal Year	General Funds	Property Tax	Other ABF	Blueprint	Transfer Taxes	TTF	MSA	BRF	Total
2026	$26,672	$1,116	$40	$944	$223	$4,954	$17	$115	$34,081
2027	27,128	1,140	3	987	247	5,064	9	115	34,692
2028	28,126	1,165	2	940	265	5,144	9	115	35,767
2029	29,163	1,190	2	960	279	5,240	9	115	36,959
2030	30,288	1,216	2	925	291	5,356	9	115	38,202
2031	31,449	1,242	2	951	300	5,507	9	58	39,518

ABF: Annuity Bond Fund
Blueprint: Blueprint for Maryland's Future
BRF: Bay Restoration Fund
MSA: Maryland Stadium Authority
TTF: Transportation Trust Fund

Note: BRF revenues only include revenues for wastewater treatment and exclude septic revenues.

Source: Board of Revenue Estimates; Maryland Department of Transportation; State Treasurer's Office; Maryland Stadium Authority; Maryland Department of the Environment; State Department of Assessments and Taxation; Department of Legislative Services

DLS has prepared separate estimates of Transportation Trust Fund (TTF) revenues, State property taxes, and other Annuity Bond Fund (ABF) revenues. The key difference between DLS and CDAC is attributable to TTF revenues and spending, which is discussed in Chapter 3. Like CDAC, DLS uses the State Department of Assessments and Taxation's fiscal 2026 to 2028 assessable base estimates for the baseline State property tax estimates but prepares its own estimates for fiscal 2029 to 2031. Other ABF revenues are primarily federal funds, which are discussed in Chapter 3.

Affordability Analysis

DLS has prepared an estimate of State debt outstanding to personal income and State debt service to revenues. **Exhibit 4.3** shows affordability calculation assumptions for GO bond authorizations, transportation bonds, and capital leases. No new State debt issuances are expected for MSA bonds or bay restoration bonds.

Exhibit 4.3
Projected New Debt Issuances
Fiscal 2026-2031
($ in Millions)

Fiscal Year	GO Bond Authorizations	GO Bond Issuances	Transportation Bonds	Capital Leases
2026	$1,750	$800	$345	$10
2027	1,750	1,580	390	15
2028	1,750	1,620	500	9
2029	1,750	1,750	480	9
2030	1,750	1,750	505	9
2031	1,750	1,900	415	9

GO: general obligation

Source: State Treasurer's Office; Department of Legislative Services

CDAC policy is that tax-supported State debt outstanding does not exceed 4% of personal income. The proposed levels of State debt are affordable. **Exhibit 4.4** shows that for the forecast period, debt outstanding as a percentage of personal income increases steadily from 2.45% in fiscal 2026 to 2.67% in fiscal 2031.

Exhibit 4.4
State Tax-supported Debt Outstanding Components and Relationship to Personal Income
Fiscal 2025-2031
($ in Millions)

Fiscal Year	GO Bonds	MDOT Bonds	Capital Leases	MSA Bonds	Bay Restoration Bonds	Total Tax-supported Debt
2025	$9,954	$2,895	$118	$129	$118	$13,214
2026	9,731	2,901	106	118	95	12,950
2027	10,270	3,137	102	106	70	13,686
2028	10,865	3,358	98	102	45	14,468
2029	11,597	3,557	63	98	18	15,334
2030	12,281	3,737	89	93	0	16,200
2031	13,072	3,906	84	89	0	17,151
State Tax-supported Debt Outstanding as a Percentage of Personal Income (Affordability criteria = 4.0%)						
2025	1.94%	0.56%	0.02%	0.03%	0.02%	2.58%
2026	1.84%	0.55%	0.02%	0.02%	0.02%	2.45%
2027	1.87%	0.57%	0.02%	0.02%	0.01%	2.50%
2028	1.91%	0.59%	0.02%	0.02%	0.01%	2.54%
2029	1.95%	0.60%	0.01%	0.02%	0.00%	2.58%
2030	1.99%	0.61%	0.01%	0.02%	0.00%	2.62%
2031	2.04%	0.61%	0.01%	0.01%	0.00%	2.67%

GO: general obligation
MDOT: Maryland Department of Transportation
MSA: Maryland Stadium Authority

Note: Numbers may not sum to total due to rounding.

Source: Capital Debt Affordability Committee; Maryland Department of Transportation; State Treasurer's Office; Maryland Stadium Authority; Maryland Department of the Environment; Department of Legislative Services

With respect to debt service, the policy is that State tax-supported debt service may not exceed 8% of tax revenues supporting debt service. The proposed levels of State debt are affordable. **Exhibit 4.5** shows that the debt service as a percentage of revenues ranges between 5.58% in fiscal 2026 and 5.85% in fiscal 2031.

Exhibit 4.5
State Tax-supported Debt Service
Components and Relationship to Revenues
Fiscal 2025-2031
($ in Millions)

Fiscal Year	GO Bonds	MDOT Bonds	Capital Leases	MSA	Bay Restoration Bonds	Total Tax-supported Debt Service
2025	$1,504	$430	$33	$18	$27	$2,012
2026	1,406	419	34	17	27	1,903
2027	1,501	448	31	9	27	2,017
2028	1,520	476	29	9	28	2,062
2029	1,549	507	28	9	28	2,121
2030	1,637	537	27	9	19	2,230
2031	1,720	558	26	9	0	2,313
State Tax-supported Debt Service as a Percentage of Revenues (Affordability criteria = 8.0%)						
2025	4.65%	1.33%	0.10%	0.05%	0.08%	6.22%
2026	4.13%	1.23%	0.10%	0.05%	0.08%	5.58%
2027	4.33%	1.29%	0.09%	0.03%	0.08%	5.81%
2028	4.25%	1.33%	0.08%	0.02%	0.08%	5.76%
2029	4.19%	1.37%	0.08%	0.02%	0.08%	5.74%
2030	4.29%	1.41%	0.07%	0.02%	0.05%	5.84%
2031	4.35%	1.41%	0.07%	0.02%	0.00%	5.85%

GO: general obligation
MDOT: Maryland Department of Transportation
MSA: Maryland Stadium Authority

Note: Numbers may not sum to total due to rounding.

Source: Capital Debt Affordability Committee; Maryland Department of Transportation; State Treasurer's Office; Maryland Stadium Authority; Maryland Department of the Environment; Department of Legislative Services

Chapter 5. Long-term Cost Forecasts

In the previous chapter, the affordability of bonds was analyzed consistent with the Capital Debt Affordability Committee's (CDAC) debt affordability criteria. The committee compares debt outstanding to personal income and debt service costs to revenues.

While this debt affordability approach provides policy guidelines, it does not show how debt service costs affect the State budget. This chapter provides an analysis of out-year costs and the effect of these costs on general fund spending. Specific issues examined are:

- the Annuity Bond Fund (ABF), which provides revenues that support general obligation (GO) bond costs;
- general fund spending on debt service since the affordability process began in fiscal 1979;
- pension costs, which are the State's other large long-term liability examined by rating agencies; and
- cost of Other Post Employment Benefits (OPEB).

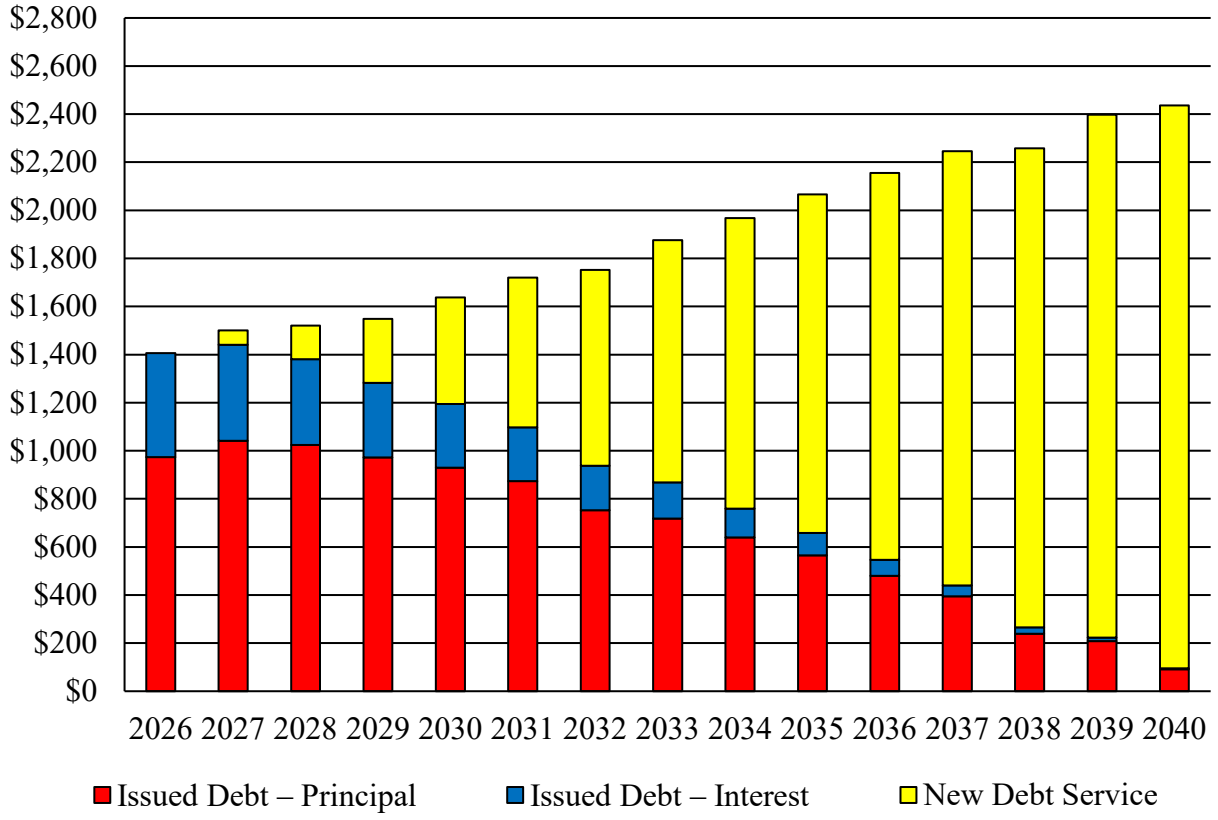
General Fund Appropriations Are Necessary to Support Debt Service

GO bond debt service is primarily supported by State property tax revenues and general funds. The State property tax rate is insufficient to support all debt service costs, so general funds are appropriated to subsidize the shortfall. This analysis assumes that the State authorizes $1.75 billion in GO bonds in fiscal 2027 and that issuances are consistent with the recommendations of the workgroup requested in the *Joint Chairmen's Report*.

Out-year Debt Service Costs Expected to Increase Steadily

The Maryland Constitution limits State debt maturities to 15 years. State policy is to pay interest only in the first 2 years and have level debt service payments from years 3 to 15. Because Maryland bonds have short maturities, debt is retired quickly, and all bonds issued in fiscal 2026 will be retired before fiscal 2041. **Exhibit 5.1** shows the principal and interest costs for bonds sold prior to November 2025 as well as the debt service costs for anticipated bond sales. From fiscal 2026 to 2040, debt service costs increase from $1.41 billion to $2.44 billion, an annual increase of 3.91%.

Exhibit 5.1
General Obligation Bonds' Debt Service Costs
Fiscal 2026-2040
($ in Billions)



Note: Issued principal and interest are adjusted to reflect sinking fund payments.

Source: State Treasurer's Office; Comptroller's Office; Department of Legislative Services

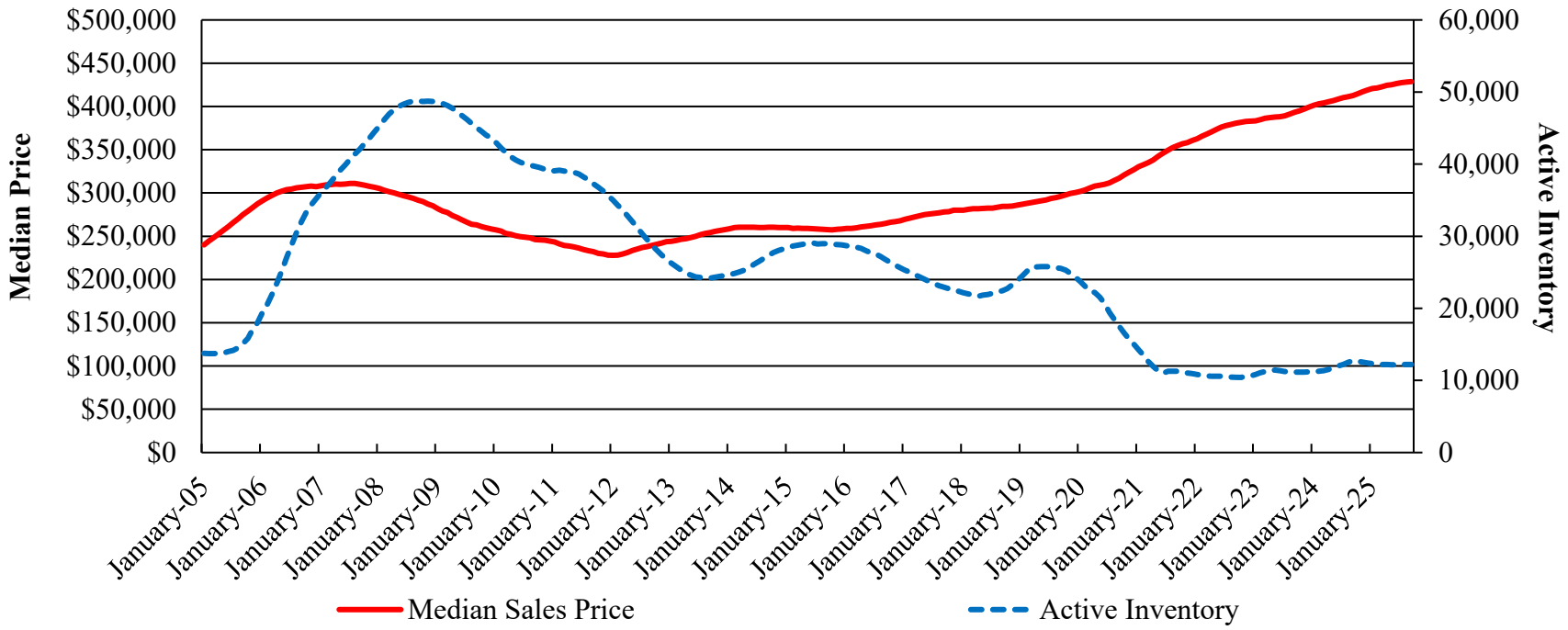
The average maturity for the State's 15-year GO bonds is just under 10 years, so most of each issuance is retired within 10 years. Fiscal 2026 interest costs total $432 million, which is 31% of the total debt service. The share of interest costs to debt service payments decreases steadily throughout the forecast period for previously issued bonds. Over the 15-year period, interest is 21% of debt service costs.

Home Values Have Increased Steadily in Recent Years

GO bond debt service costs are supported by the ABF. The fund's largest revenue source is the State property tax. In April 2006, the State property tax rate was set at $0.112 per $100 of assessable base and has remained at that level since fiscal 2007. Other revenue sources include proceeds from bond sale premiums, interest and penalties on property taxes, and repayments for local bonds. When the ABF has not generated sufficient revenues to fully support debt service, general funds have subsidized debt service payments.

State property tax collections are influenced by trends in the housing market. **Exhibit 5.2** shows that the median home price has increased steadily since calendar 2012. Active inventories have declined unevenly since peaking in 2008. Inventories since September 2021 have been lower than the number of inventories since before calendar 2000. Home sales have also declined substantially since calendar 2021. There were approximately 107,400 sales in Maryland in 2021, compared to 84,700 in calendar 2022, 67,900 in 2023, and 68,900 in 2024. In most months in 2024, home sales are below the same month in 2023.

Exhibit 5.2
Maryland Housing – Median Prices and Inventory
12-month Moving Average
January 2005 to September 2025



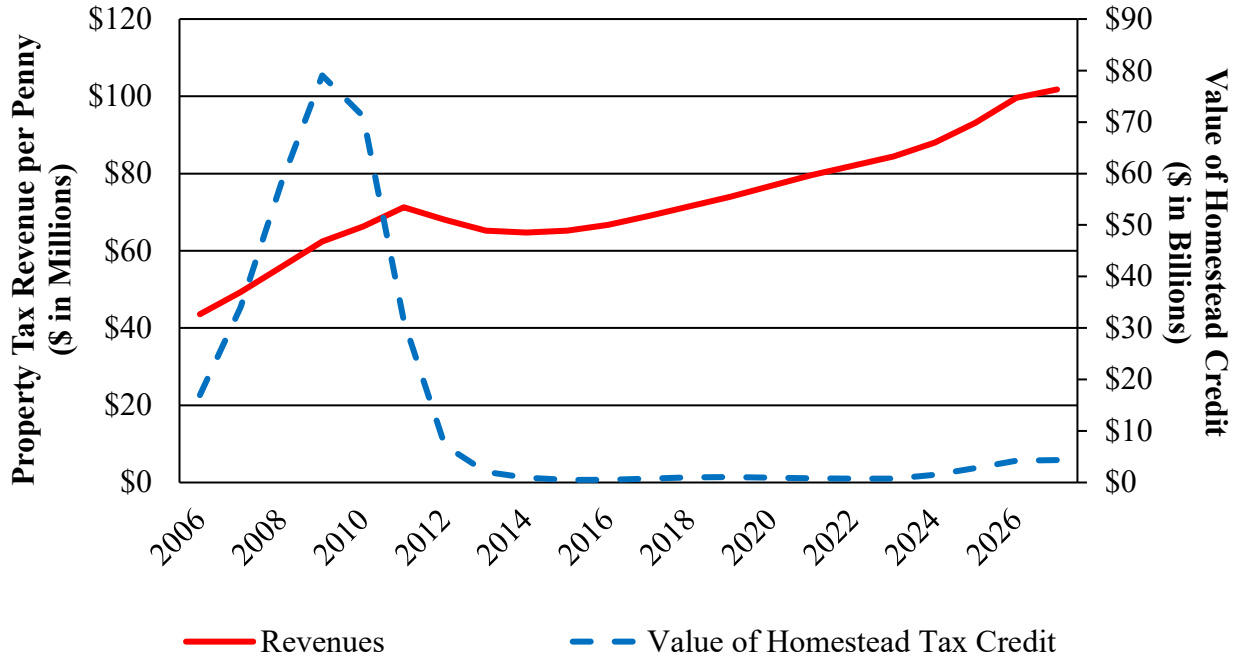
Note: There were some substantial revisions of prior calendar year inventory data as some months were revised upwards by as much as 25%. The data is a 12-month moving average, which cancels any effects from seasonality and shows the underlying trend.

Source: Maryland Association of Realtors; Department of Legislative Services

Homestead Tax Credit and Three-year Assessment Process

Exhibit 5.3 shows how much revenue one cent on the State property tax has generated since fiscal 2006. State property tax receipts generated per one cent of tax increased through fiscal 2011, even as home values peaked in fiscal 2007. Revenues declined from fiscal 2012 to 2014 but have increased since fiscal 2015.

Exhibit 5.3
State Property Tax Homestead Tax Credits and Revenues Per Each Cent of State Property Taxes
Fiscal 2006-2027



Source: State Department of Assessments and Taxation; Department of Legislative Services

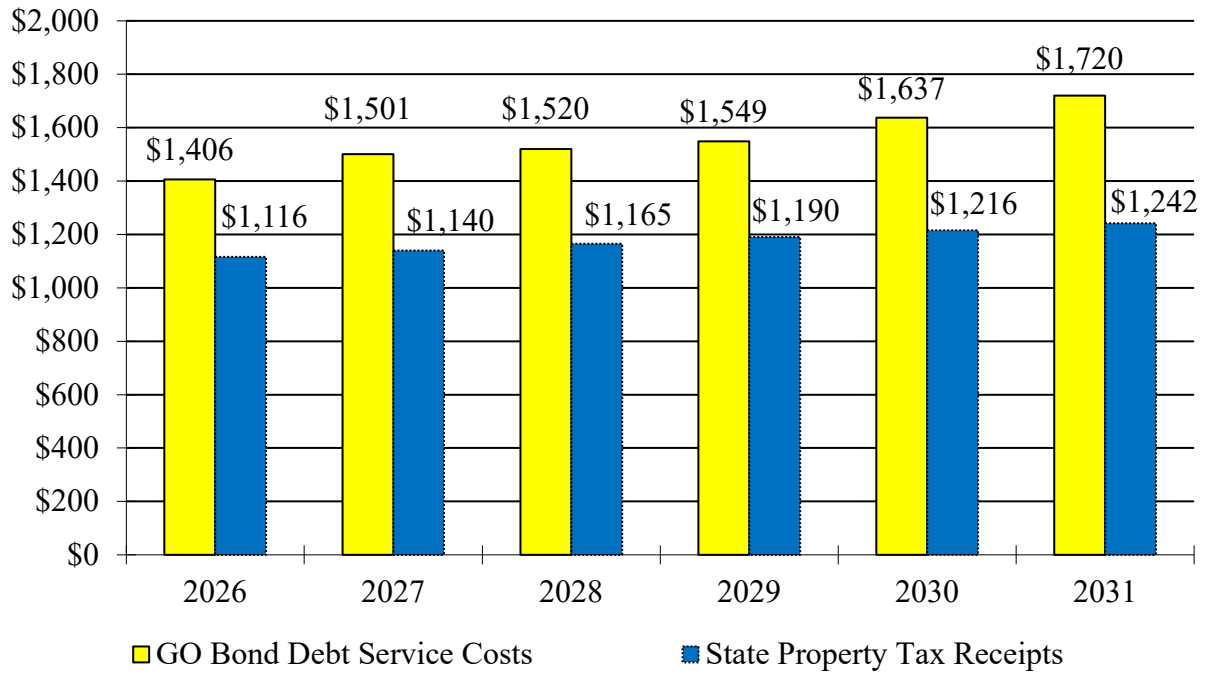
Assessment policies and the Homestead Tax Credit account for the lag between changes in the real estate market and tax receipts. Property values are assessed every three years, and increases are phased in over three years. For example, if a value increases by 9%, the increase would be 3% in the first year, 6% in the second year, and 9% in the third year. Having three years between assessments also moderates fluctuations in State property taxes. Properties assessed in calendar 2026 will have last been assessed in calendar 2023. Home values have increased steadily, which has also increased the value of the Homestead Tax Credit.

The Homestead Tax Credit limits the annual increase in State property assessments subject to the property tax to 10%. If reassessing a resident's assessed property value results in an increase that exceeds 10%, the homeowner receives a credit for any amount above 10%. This limits revenue growth when property values rise quickly. Taken together, the three-year assessment process and the Homestead Tax Credit slowed the revenue increases during the real estate boom and delayed the peak until after the decline in property values. Current market conditions suggest that State property tax receipts should be stable over the next few years, even if home values slow or decline modestly.

General Funds Are Appropriated to Keep State Property Taxes Low

State property tax revenues are estimated to increase at a rate of 2.2% annually from fiscal 2026 to 2031. For fiscal 2028 to 2030, the Department of Legislative Services (DLS) expects the assessable base to increase by 2% annually. Debt service costs are expected to increase at a rate of 4.1% from fiscal 2026 to 2031. **Exhibit 5.4** shows how State property tax revenues, which are $291 million less than debt service costs in fiscal 2026, are expected to be $478 million less than debt service costs in fiscal 2031. This analysis assumes the authorizations proposed by CDAC in October 2025 and the issuances recommended by the *Joint Chairmen's Report* workgroup.

Exhibit 5.4
GO Bond Debt Service Costs and State Property Tax Revenue Collections
Fiscal 2026-2031
($ in Millions)



GO: general obligation

Source: State Department of Assessments and Taxation; Department of Legislative Services

Exhibit 5.5 shows that estimates of general fund subsidies to the ABF range between $155 million and $476 million from fiscal 2026 to 2031. State property tax revenues are expected to increase steadily throughout the period. Reduced bond sales in fiscal 2023 and 2024 result in a decline in debt service costs in fiscal 2026, which reduces the required general fund appropriation. Bond premiums realized at the calendar 2023 and 2024 sales will be spent over three years. The forecast recognizes these are unspent reserves for future capitalized interest. These amounts were determined on the bond sale date.

Exhibit 5.5
Revenues Supporting Debt Service
Fiscal 2026-2031
($ in Millions)

	2026	2027	2028	2029	2030	2031	Annual % Change
Special Fund Revenues							
Prior Year ABF Fund Balance Transferred	$82	$17	$1	$1	$1	$1	-55.9%
State Property Tax Receipts	1,116	1,140	1,165	1,190	1,216	1,242	2.2%
Other Revenues	2	2	2	2	2	2	0.0%
Bond Premium Capitalized Interest Expenditures	160	50	0	0	0	0	-100.0%
Bond Premium Deposits	35	0	0	0	0	0	-100.0%
Reserve for Future Capitalized Interest Expenditures	-50	0	0	0	0	0	-100.0%
Capital Authorizations	-80	0	0	0	0	0	-100.0%
Subtotal Special Fund Revenues	***$1,264***	***$1,209***	***$1,169***	***$1,193***	***$1,219***	***$1,245***	***-0.3%***
General Funds	$155	$293	$352	$357	$420	$476	25.2%
Transfer Tax Special Funds	2	0	0	0	0	0	-100.0%
Federal Funds	2	1	0	0	0	0	-100.0%
Total Revenues	**$1,423**	**$1,502**	**$1,521**	**$1,550**	**$1,639**	**$1,721**	**3.9%**
Debt Service Expenditures	**$1,406**	**$1,501**	**$1,520**	**$1,549**	**$1,637**	**$1,720**	**4.1%**
End-of-year ABF Balance	**$17**	**$1**	**$1**	**$1**	**$1**	**$2**	

ABF: Annuity Bond Fund

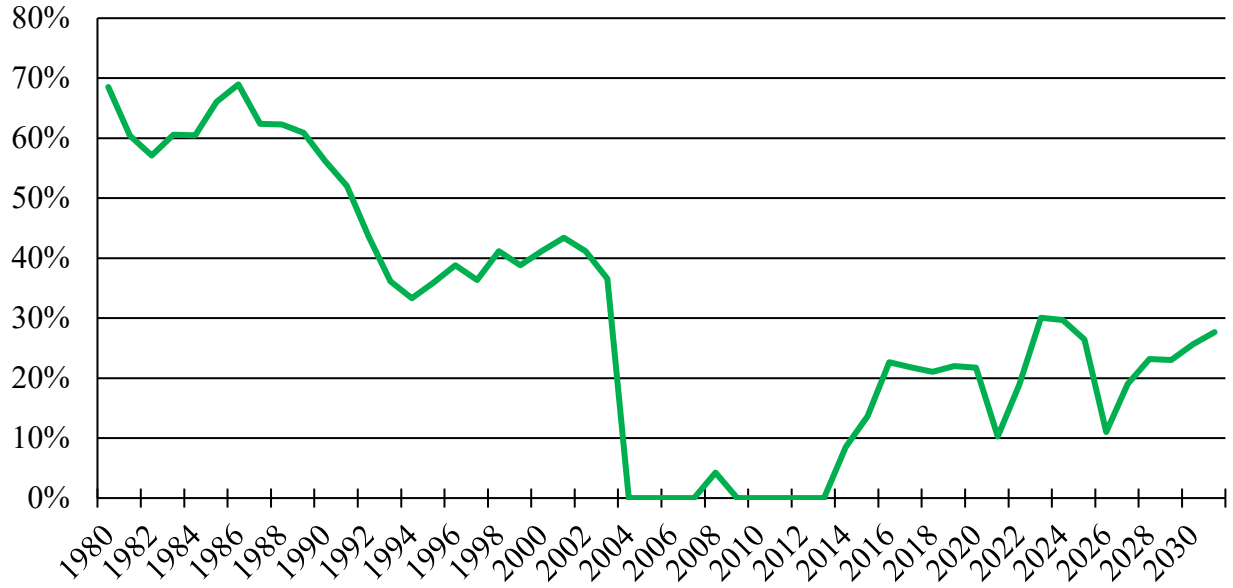
Source: Department of Legislative Services

General Fund Appropriations for Debt Service Since 1980

In most years, State policy has been to keep State property tax rates low. To fund debt service, the State has appropriated general funds in all but nine years since fiscal 1980.

Exhibit 5.6 shows that DLS projects that general fund appropriations for debt service will be 11% to 28% of debt service appropriations from fiscal 2026 to 2031. Since the affordability process began in fiscal 1979, the level of general fund support has varied considerably; general fund support peaked at 69% in fiscal 1986, while no support was provided from fiscal 2004 to 2007 and from fiscal 2009 to 2013.

Exhibit 5.6
General Fund Appropriations as a Percentage of Debt Service Appropriations
Fiscal 1980-2031



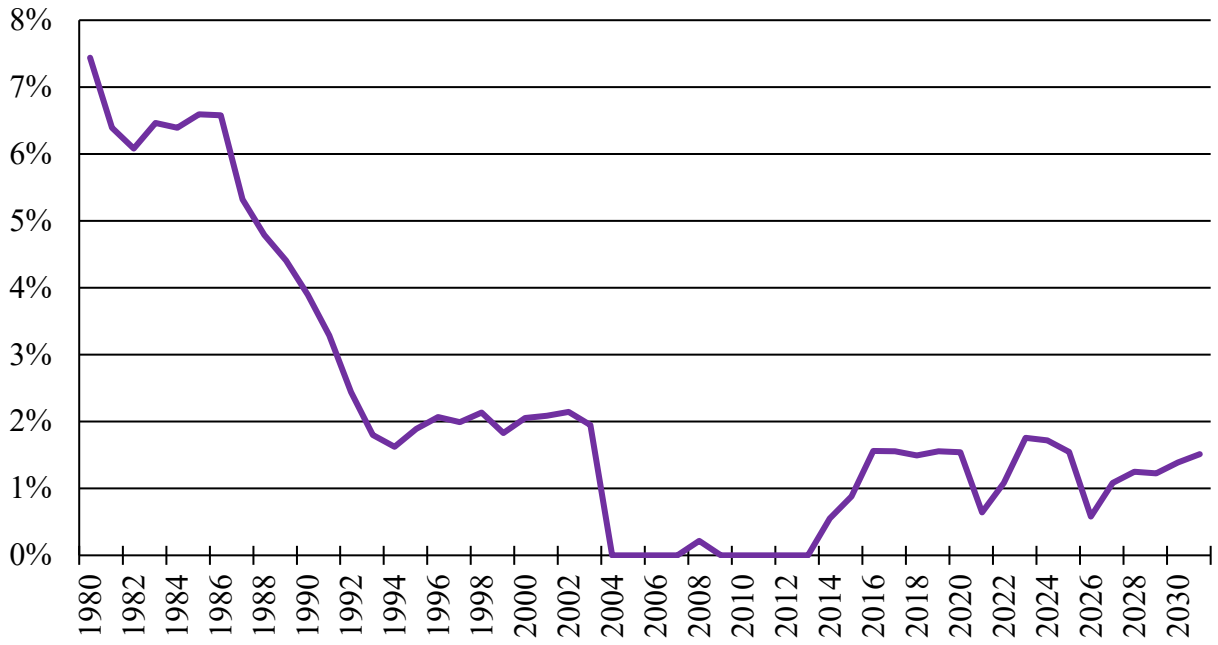
Note: Fiscal 1985 to 2003 includes general funds appropriated in the Maryland State Department of Education for capital school construction. Fiscal 2002 and 2003 are adjusted to remove proceeds from refunding bonds. Fiscal 2023 excludes $219 million appropriated to support capital projects.

Source: Department of Budget and Management; Department of Legislative Services

Exhibit 5.7 shows that current estimates expect that the general fund costs for debt service will range from 0.6% to 1.5% of total general fund revenues from fiscal 2026 to 2031. From fiscal 2004 to 2013, the State appropriated general funds only once. The State property tax rate

was increased from $0.084 to $0.132 per $100 of assessable base in fiscal 2004. The State also benefited from low interest rates, which generated large bond sale premiums that were used to support debt service payments. The State property tax rate was reduced to its current rate, $0.112 per $100 of assessable base, in fiscal 2007.

Exhibit 5.7
General Fund Debt Service Appropriations as a Percentage of General Fund Revenues
Fiscal 1980-2031



Note: Fiscal 1985 to 2003 includes general funds appropriated in the Maryland State Department of Education for capital school construction. Fiscal 2002 and 2003 are adjusted to remove proceeds from refunding bonds. Fiscal 2023 excludes $219 million appropriated to support capital projects.

Source: Department of Budget and Management; State Treasurer's Office; Department of Legislative Services

Rating Agencies Are Concerned about Pension and Other Post Employment Benefits Liabilities

Maryland's bonds are rated AAA by Standard & Poor's (S&P) and Fitch. In May 2025, Moody's downgraded Maryland bonds to Aa1. Moody's cited high net pension liabilities and above average debt burden, resulting in high fixed costs as a credit challenge.

When reviewing debt, rating agencies have consistently commented on pension liabilities. Pension costs and OPEB represent the State's two largest long-term liabilities after bond issuances. High pension liabilities are often cited when rating agencies downgrade a State or municipality's debt. For example, S&P cited pension liabilities when the state of Illinois' debt rating was downgraded. Pension concerns were also cited when ratings for the city of Fort Worth, Texas and the state of Connecticut were downgraded.

This section examines trends in State pension and OPEB costs. The positive news for Maryland is that all three rating agencies have acknowledged Maryland's efforts to achieve adequate pension funding. However, Moody's rating and comparisons with other AAA-rated states suggest that the State should carefully manage liabilities.

Overview of Defined Benefit Pension Plans

The State provides defined benefit pension plans. These plans require the State to make annual payments that represent the normal cost (the cost of the annual increase in benefits earned by employees) and a share of the unfunded liability. These pension payments are made to employees for years after they retire and represent a long-term liability to the State. Pension costs are supported with general, special, and federal funds.

About 97% of the teachers' pension fund supports the staff of the local school boards. By statute, the local school boards pay the normal costs and starting in fiscal 2026, a fixed dollar amount of remaining costs. The State is responsible for any remaining costs (which is most of the unfunded liability).

Annual Pension Costs Increased after the Great Recession

Employer pension contributions increased from $1.0 billion in fiscal 2010 to $2.9 billion in fiscal 2026. Market losses suffered in fiscal 2008 and 2009 when the pension fund lost 5.4% and 20%, respectively, reduced the funded ratio from 80.4% at the beginning of fiscal 2008 to 65% at the end of fiscal 2009. Lower contributions required by the corridor funding method also led to a lower funded ratio. To reduce the unfunded liability, higher appropriations are necessary from the State. The amount that the State appropriates each year is determined by the actuarial funding method. It is the general practice for the Governor to propose and the General Assembly to appropriate the amount certified by the State Retirement and Pension System Board.

Pension Costs Contained in Response to Increasing Liabilities

In response to increasing liabilities, the State enacted pension reform in 2011, which has reduced benefits, increased contributions, and required local jurisdictions to share in the costs of teacher pensions. Specific changes included:

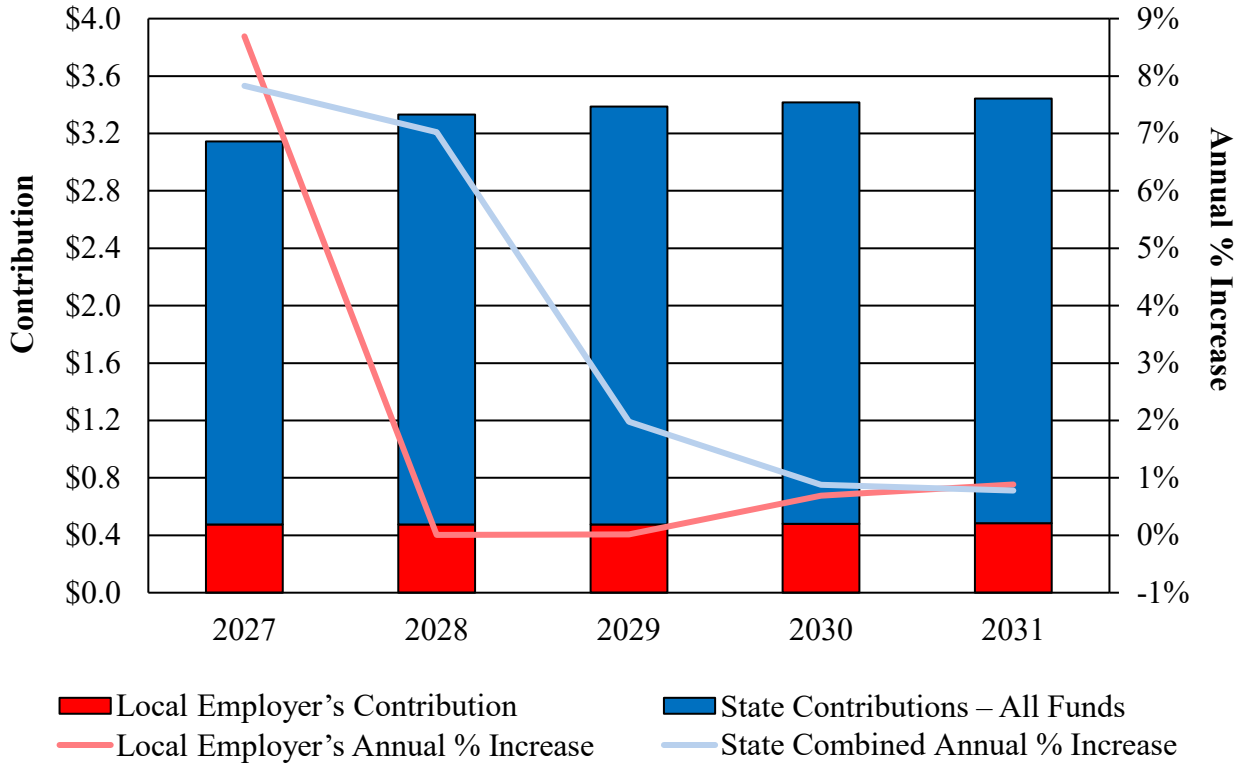
- reducing cost-of-living adjustments earned after fiscal 2011;
- increasing employee contributions from 5% to 7% for most employees (judges, for example, were excluded);
- increasing the vesting period for employees hired after June 30, 2011, from 5 years to 10 years;
- reducing the multiplier for employees hired after June 30, 2011, to 1.5% of salary per year worked; and
- appropriating a share of savings to overfund pension contributions.

The State also required local governments to begin sharing in teacher pension costs in fiscal 2013. Local governments pay the normal cost for their employees' pensions (plus starting in fiscal 2026 a small fixed amount). The State pays most of the unfunded liability. Should this liability increase, the State pays the full cost of this increased liability. Under this structure, State payments are larger and tend to be more volatile than the local payments.

Pension Cost Outlook

Exhibit 5.8 shows that the State's annual actuarially required contribution is expected to increase from $2.67 billion in fiscal 2027 to $2.94 billion in fiscal 2031, which is an annual increase of 2.63%. Total pension costs, which include local contributions, increase from $3.14 billion to $3.44 billion. Local costs, which are not affected by losses, increase at an annual rate of 0.4%.

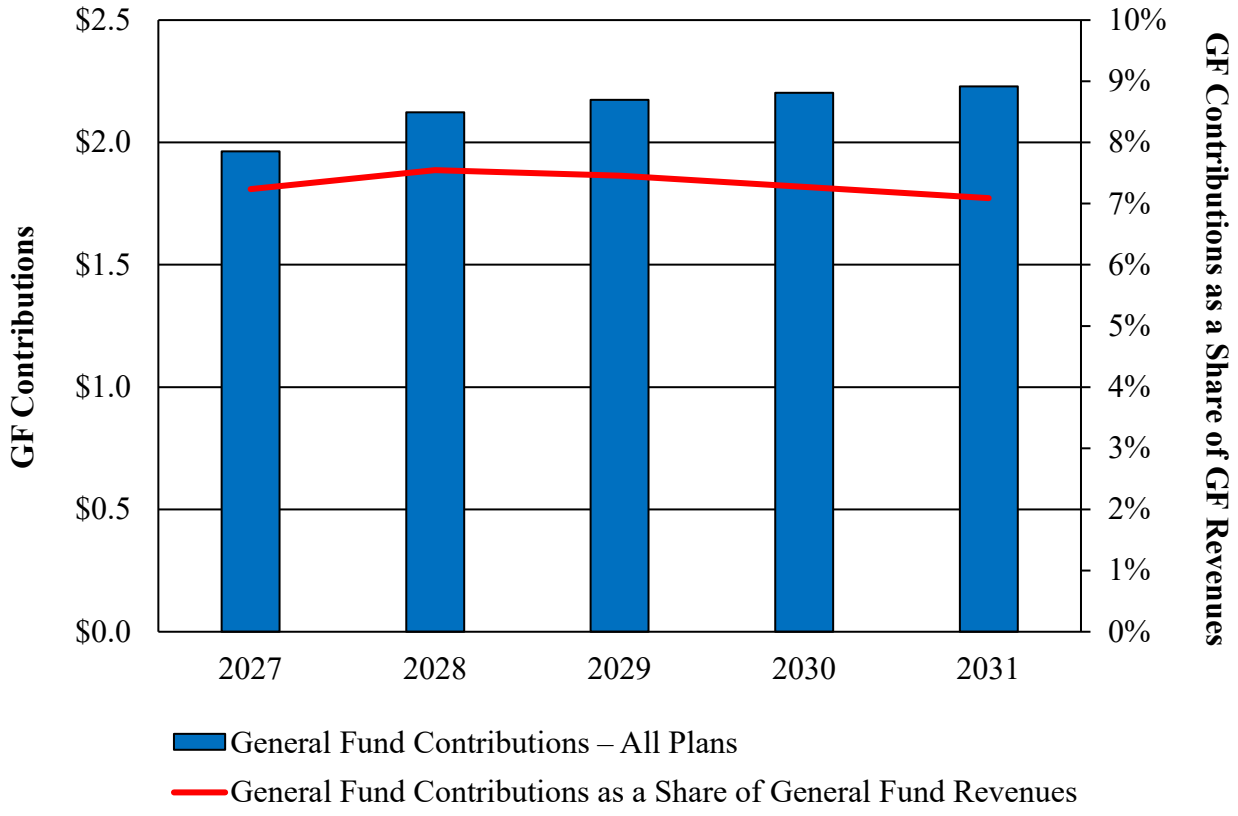
Exhibit 5.8
Total State and Local Pension Costs
Fiscal 2027-2031
($ in Billions)



Source: GRS; Department of Legislative Services

Exhibit 5.9 shows that general fund costs for pensions as a share of general fund revenues are expected to peak at 7.5% in fiscal 2028 and decline to 7.1% in fiscal 2031.

Exhibit 5.9
GF Pension Costs as a Percentage of GF Revenues
Fiscal 2027-2031
($ in Billions)



GF: general fund

Source: GRS; Department of Legislative Services

Each year, Moody's publishes a report that compares state debt service and debt outstanding to wealth indicators like state revenues and personal income. With respect to pensions, Moody's calculates the adjusted net pension liability (ANPL), which is each plan's unfunded liability. To normalize pension plan comparisons, Moody's recalculates each state's pension liability using the same discount rate. Moody's uses the Financial Times Stock Exchange (FTSE) Pension Liability Index as of June 30 of each year for this purpose. The index is published monthly and is maintained by the FTSE Group. The index includes three discount rates: a standard rate; an intermediate rate; and a short rate. Moody's uses the standard rate to determine APNLs in its report. This rate is currently lower than the reported discount rates used by all pension plans shown in the Moody's report, so APNLs are higher than the net pension liabilities across the board. The larger

the difference between the rates, the larger the adjustment Moody's will make. **Exhibit 5.10** shows Maryland's liability is the second highest among AAA-rated states when compared to State revenues.

Exhibit 5.10
Adjusted Net Pension Liability to Personal Income of AAA-rated States
Fiscal 2024

State	Adjusted Net Pension Liability to State Revenues	State Rank
South Carolina	105.0%	7
Maryland	**104.3%**	**8**
Texas	75.3%	15
Missouri	66.2%	18
Mean – All States	62.0%	n/a
Delaware	52.5%	23
Indiana	32.8%	29
Ohio	27.9%	32
Georgia	27.6%	33
Florida	21.7%	35
Minnesota	20.8%	38
North Carolina	19.8%	39
Utah	19.5%	40
Virginia	18.3%	44
Iowa	17.9%	45
Tennessee	14.7%	48

Source: *U.S. State Liabilities Report*, Moody's September 2025

Other Post Employment Benefits Outlook

The State also offers retirees subsidized health care. Retirees participate in the same plan as active employees. Retirees can also participate in Medicare. These plans are not subject to the same benefit protections as pension plans, which have a defined benefit formula that cannot be reduced retroactively and that determines the liability. Instead, retirees participate in a plan that the State can, and does, regularly modify. Retirees pay premiums, copayments, and coinsurance that offset the State's costs. Changes to retiree costs and employee health care costs are common. In addition, medical and pharmaceutical inflation rates change from year to year. This complicates estimating long-term liabilities.

2010 Public Employees' and Retirees' Benefit Sustainability Commission Recommendations and 2011 Legislative Action

In 2010, the Public Employees' and Retirees' Benefit Sustainability Commission, tasked to study and make recommendations with respect to State-funded health care and pension benefits, identified the State's high unfunded OPEB liability, which totaled $15.9 billion, as an issue that the State should address. The commission expressed concern that failure to reduce the high unfunded OPEB liability could endanger the State's AAA bond rating and result in higher costs to borrow money for State projects and needs. The commission specifically recommended that the State establish a goal of reducing its unfunded liability for OPEB by 50% and commit to fully funding its OPEB liabilities within 10 years.

Medicare-eligible retirees' prescription drug cost was determined to be a primary contributor to the State's OPEB liability. The commission proposed fully transitioning Medicare-eligible retirees onto the Medicare Part D prescription drug program and eliminating State prescription drug coverage to these retirees. The recommendation was intended to reduce the OPEB liability substantially while still ensuring that retirees had access to prescription drug coverage through Medicare. Aligning the transition with a provision in the 2010 Patient Protection and Affordable Care Act that eliminated the Medicare Part D coverage gap by calendar 2020 (later accelerated to 2019) was recommended. The alignment was intended to mitigate the financial impact on State retirees. Chapter 397 of 2011 (the Budget Reconciliation and Financing Act) as enacted included the planned transition recommended by the commission. As a result, the State's unfunded OPEB liability decreased from $15.9 billion to $9.5 billion.

In response to concerns raised by retirees about the cost of prescription drugs, Chapter 767 of 2019 established prescription drug out-of-pocket reimbursement or catastrophic coverage programs for specified State retirees, dependents, or surviving dependents who are enrolled in a Medicare prescription drug benefit plan. State employees hired after June 30, 2011, remain ineligible for prescription drug coverage from the State when they reach Medicare eligibility.

Some retirees sued the State to get back previously given benefits. Although a federal District Court judge initially ruled in favor of the plaintiffs, a federal court later dismissed the lawsuit. The State transitioned the coverage for prescription drug costs for Medicare-eligible State retirees from the State health plan to Medicare Part D in calendar 2025.

State Does Not Provide Full Actuarial Funding

At the end of fiscal 2024, the State's net OPEB liability was $11.4 billion, representing a funded ratio of 4% ($515 million in assets). The State has not met the commission's recommendation regarding payments to prefund the OPEB liability. The State has not provided OPEB liability payments since fiscal 2010.

Rating Agency Comments

In May 2025, Moody's downgraded Maryland's GO bonds to Aa1. Among the reasons Moody's cited is comparatively unfunded high pension and OPEB liabilities. As with the pension liability, Moody's now includes the OPEB liability in its annual review of states' long-term liabilities. **Exhibit 5.11** shows that Maryland has the second highest OPEB liability to personal income ratio among AAA-rated states behind Delaware.

Exhibit 5.11
Adjusted Net Other Post Employment Benefits
Liability to Personal Income of AAA-rated States and Maryland
Fiscal 2024

State	Adjusted Net OPEB Liability to Personal Income	State Rank
Delaware	64.3%	3
Maryland	**26.0%**	**6**
Texas	24.4%	8
Mean – All States	13.4%	n/a
Missouri	11.2%	16
North Carolina	9.6%	17
South Carolina	9.1%	18
Florida	6.2%	23
Tennessee	3.1%	27
Virginia	2.2%	30
Minnesota	1.5%	32
Georgia	1.2%	34
Iowa	1.1%	35
Ohio	0.5%	40
Indiana	0.4%	43
Utah	-0.3%	48

OPEB: Other Post Employment Benefits

Source: *U.S. State Liabilities Report*, Moody's September 2025

Chapter 6. Analysis of Factors Influencing Bonds' Interest Cost

The interest rate that Maryland pays for the bonds that it sells is referred to as the true interest cost (TIC). This rate is derived by calculating a bond sale's internal rate of return. The TIC is calculated at each bond sale, and the bidder with the lowest TIC is awarded the bid.

The financial literature provides information about factors that influence the TIC of State and municipal bond sales. Since 2006, the Department of Legislative Services (DLS) has prepared a statistical analysis to evaluate these financial factors. In this chapter, the sum of least squares regression is used to evaluate what factors influence the TIC that Maryland receives on general obligation (GO) bond sales.

Financial Theory and Research Identifies Factors That Influence the True Interest Cost

Financial theory suggests factors that could influence Maryland's GO bonds' TIC. Research has confirmed numerous significant influences in other states and in national studies that include Maryland. DLS has been collecting data since 1991. Although DLS has this data, we begin with data that is after the global financial crises from 2008. This analysis only uses data since calendar 2008 and later because the crisis changed markets. In prior analyses, there was a variable that identified which sales were before and after the crisis. Using more recent data and not having this variable seems to improve results. This sum of least squares regression equation data was collected and analyzed for the 53 bond issuances and groups since July 2009: 45 competitively bid, tax-exempt bond issuances and 8 negotiated, retail bond issuances. The analysis does not include taxable bonds or refunding issuances. The data collected includes:

- the TIC;
- *The Bond Buyer* 20-bond index;
- date of the bond sale, fiscal year, and calendar year that the bonds were sold;
- if the bond sale includes one of the various call provisions offered since 1991;
- effect of requiring 5.00% coupon rates, which was done for bond sales since August 2020;
- average years to maturity;
- amount of debt sold;

- Consumer Price Index to examine if inflation affected the market's perception of the amount of debt sold;
- use of a financial advisor;
- effect of rating agencies' negative credit watch;
- effect of the 2008 global financial crisis;
- ratio of Maryland personal income to U.S. personal income; and
- ratio of Maryland gross State product to U.S. gross domestic product, both nominal and adjusted for inflation.

The Equation Identifies Statistically Significant Factors Influencing Interest Costs

The sum of least squares regression analysis dependent variable is the TIC. All the other variables are independent variables that are included to control the factors that could influence the TIC. The question that the regression equation addresses is which of the independent variables influence the dependent variable, which is the TIC. The regression equation examines the variables previously listed and identifies four statistically significant variables at the 95% confidence level that affect the TIC.[1] **Exhibit 6.1** shows the data for the statistically significant variables included in the equation. **Appendix 2** provides a summary of the data.

[1] The statistical analysis of the equation suggests that the equation explains GO bond sales' TICs very well. The adjusted R-square, which measures how much of the TIC is explained by the equation, is 0.879, with a standard error of 0.284. The F Statistic, which measures if this group of variables is jointly significant, is 95.801, which is more than 99.9% significant. DLS ran the Durbin-Watson statistic, which measures autocorrelation between variables, and it is 1.392, which is reasonable but suggests some positive autocorrelation.

Exhibit 6.1

TIC Regression Equation – Evaluating the Independent Variables

Independent Variable	Coefficient	Std. Error	t-test	Sig.	Tol.	Comment
The Bond Buyer 20-bond Index	0.783	0.052	15.179	0.000	0.724	Highest t-test suggests that this is a most significant independent variable and that Maryland bonds are priced at 78% of the index.
Maryland Personal Income to U.S. Personal Income	-1.373	0.284	-4.832	0.000	0.679	Stronger Maryland personal income tends to reduce the TIC.
Callable Bonds	0.494	0.169	2.920	0.005	0.244	Callable bonds' average TIC is 49 basis points (0.49%) higher than noncallable bonds.
Years to Maturity	0.108	0.029	3.747	0.000	0.244	Positive coefficient is a positive yield curve with longer maturities having higher TICs.
Constant	1.055	0.755	1.397	0.169	n/a	

Sig.: significance or confidence interval
Std.: standard
TIC: true interest cost
Tol.: tolerance, a test of multicollinearity

Source: Department of Legislative Services

- ***Bond Buyer 20-bond Index:*** The key variable is the 20-bond index. *The Bond Buyer* is a trade publication that gathers data about the yield on state and municipal bonds. The 20-bond index includes 20 GO state and municipal bonds maturing in 20 years. These bonds have an average rating equivalent to AA by Standard & Poor's and Aa2 by Moody's Investors Service, Inc. The data is reported weekly every Friday and reflects the yields from the previous day. This analysis estimates that Maryland GO bonds are 78% of the cost of the 20-bond index. A year ago, this was 87% of the index, suggesting that there was a flight to quality at the time of the bond sale.

- ***Ratio of Maryland Total Personal Income to the U.S. Total Personal Income*:** One perspective on interest rates is to consider them as a return for risk. The higher the risk, the higher the interest rate investors will expect. The selling entity's fiscal health is a risk factor. In the DLS regression equation, State personal income is used as a proxy for fiscal health. The equation uses a ratio that compares State nominal personal income to U.S. personal income. If the ratio increases, Maryland is doing relatively better than the rest of the United States, and a GO bond issuance's TIC tends to decline.

- ***Issuing Callable Bonds*:** A call is an option that allows the seller to retire debt early. Maryland GO issuances since 2008 have been callable after 10 years. This can be advantageous if interest rates decline below the rate that the seller is paying. Consequently, buyers often require higher interest rates if an issuance includes a call provision. This analysis estimates that callable bonds add 0.49% (49 basis points) to the cost of a bond. This suggests that the TIC could be reduced by about half a percent if there was no call, but the opportunity to refund bonds is lost. DLS observes that recent calls have required that coupon rates are 5.00%. Previous TIC analyses suggest that the cost of issuing callable bonds has increased since the mandatory 5% coupon has been required in 2020. Allowing a rate under 5.00% could reduce the cost of the call and still provide opportunities to refund bonds.

- ***Years to Maturity*:** Under normal economic conditions, bonds with shorter maturities have lower interest costs than bonds with longer maturities. The analysis estimates that every additional year adds 0.108% (11 basis points) to the TIC.

Moody's Downgrading Maryland Bonds to Aa1 Has No Measurable Effect on the True Interest Cost, Although Other Factors May Be Masking the Effect

DLS analyzed the effect of Moody's downgrading Maryland GO bonds and could not find a statistically significant effect. This may be because other factors are masking effects of the downgrade. Despite having four more data points, DLS' equation is less confident now than it was one year ago. Using the same variables, the adjusted R-square is less now than a year ago (0.879 to 0.889) and the standard error is larger (0.284 to 0.269). As previously observed, the discount that the State receives for issuing high-quality bonds, as measured by comparing the TIC to the 20-bond index, has increased, suggesting a flight to quality. There seems to be more turmoil in the markets in June 2025, which could mask the effect of the downgrade.

Chapter 7. Nontax-supported Debt

In addition to the tax-supported debt that Maryland issues, there are various forms of nontax-supported debt that are issued by State agencies and non-State public purpose entities. While this debt is not backed by the full faith and credit of the State and is not included within the tax-supported debt limits, concerns have been raised that a default in payment of debt service on this debt could negatively impact other Maryland debt.

Nontax-supported debt generally takes the form of either project/program revenue debt or conduit debt.

- ***Revenue Bonds*:** Revenue bonds are bonds issued to raise funds for a specific project or program. The debt service on these bonds is generally repaid using revenues generated through the operation of the project or program for which the bonds were sold. For example, the Maryland Transportation Authority (MDTA) issues project revenue bonds to finance the cost of constructing revenue-generating transportation facilities, and MDTA then repays the bonds using the revenues generated through the tolls charged to drivers for the use of the facilities.

- ***Conduit Debt*:** Conduit debt is debt that agencies or authorities issue on behalf of clients. Clients could include local governments, nonprofit organizations, or private companies. When an agency or authority serves as a conduit issuer, the bonds that it issues may not be obligations of the issuing entity. Should the client for whom the bonds are issued be unable to meet debt service obligations on their bonds, the issuing entity is not necessarily obligated to make the debt payments. In such circumstances, the issuing agency may take the client's property into receivership or exercise other contractual provisions to meet the debt service. Agencies and authorities in the State that serve as conduit issuers include MDTA, the Maryland Economic Development Corporation (MEDCO), the Maryland Health and Higher Educational Facilities Authority, and the Maryland Industrial Development Financing Authority (MIDFA).

Debt Outstanding

Exhibit 7.1 summarizes the change in debt outstanding for different types of debt between fiscal 2015 and 2025:

- ***Agency Debt Subject to State Regulatory Cap*:** This category includes debt held by State agencies on which the State sets limits. The debt is not backed by State taxes.

- ***Agency Debt Not Subject to State Regulatory Cap*:** This type of debt is held by State agencies that do not have limits set by the State. The debt is not backed by State taxes.

- ***Tax-supported Debt*:** State debt that is supported by taxes.

- ***Authorities and Corporations*:** Debt held by non-State agencies that is not subject to any debt ceiling or allocation caps.

Exhibit 7.1
Debt Outstanding as of June 30
Fiscal 2015-2025
($ in Millions)

	2015	2025	Total Change	Annual % Change
Agency Debt Subject to State Regulatory Cap	$3,236	$2,303	-$933	-3.3%
Agency Debt Not Subject to State Regulatory Cap	5,000	9,970	4,970	7.1%
Tax-supported Debt	11,570	13,432	1,861	1.5%
Authorities and Corporations Without Caps	10,972	13,266	2,294	1.9%
Total	**$30,778**	**$38,970**	**$8,192**	**2.4%**

Note: Numbers may not sum to total due to rounding.

Source: Department of Legislative Services

A table containing debt outstanding by year for individual agencies is included as **Appendix 3**.

Revenue and Private Activity Bonds

Debt service on revenue bonds is generally paid from the revenue generated from facilities built with the bond proceeds. The Department of Housing and Community Development's Community Development Administration (CDA) makes housing loans with revenue bond proceeds, and the mortgage payments help pay debt service. Likewise, MDTA constructs toll facilities with bond proceeds, and the tolls collected pay off the bonds. Other State agencies issue bonds for various purposes. This agency debt is funded through what are referred to as private activity bonds.

The U.S. Tax Reform Act of 2006 established an annual limit on the amount of tax-exempt private activity bonds that may be issued by any state in any calendar year. This limit is based on a per capita limit adjusted annually for inflation. Maryland's 2025 allocation totaled $814.2 million.

The federal Tax Reform Act of 1986 specifically allows states to set up their own allocation procedures for use of their individual bond limit. Bond allocation authority in Maryland is determined by §§ 13-801 through 13-807 of the Financial Institutions Article. The Secretary of Commerce is the responsible allocating authority. Each year's bond issuing ability is initially allocated in the following manner: 50.0% to all counties (35.0% for housing bonds allocated to each county based on population and 15.0% for bonds other than housing allocated to each county based on average bond issuances); 2.5% to the Secretary for the purpose of reallocating the cap to municipalities; 25.0% to CDA for housing bonds; and 22.5% to what is referred to as the Secretary's Reserve. This reserve may be allocated to any State or local issuer as determined at the sole discretion of the Secretary and pursuant to the goals listed under statute.

In practice, most localities transfer much of their allocation authority to CDA because CDA can more efficiently, and cost effectively, issue mortgage revenue and multifamily housing bonds than any individual jurisdiction. The debt belongs to the county that received the initial allocation and is not backed by CDA. State issuers, such as MIDFA and MEDCO, as well as counties who need bond allocations in excess of their initial allocation, may request allocations from the Secretary's Reserve.

Private activity bonds are subject to the unified volume cap set by the U.S. Congress in the Tax Reform Act of 1986. Allocations, however, may be carried forward by eligible users and for specific purposes but expire at the end of three years if not issued. Unused cap, other than that which has been allocated to CDA or transferred to CDA by local governments, reverts back to the Maryland Department of Commerce (Commerce) on September 30 of each year. Commerce then determines what amount to carry forward in support of existing projects or endeavors. Historically, any remaining nonhousing allocations have been reallocated to CDA at year end for carry-forward purposes.

Allocation of Private Activity Bonds

Exhibit 7.2 provides the calendar 2021 through 2025 figures for the amount of available tax-exempt bond authority and the level of issuances made under the volume cap limits. Total carry-forward remains high because it has outpaced annual issuances recently; in some years, CDA does not issue any debt directly against that year's allocation if sufficient amounts of carry-forward are available to support program activity.

Exhibit 7.2
Allocation of Private Activity Bonds
Calendar 2021-2025 YTD
($ in Millions)

	2021	2022	2023	2024	YTD 2025
Fund Sources					
Annual Cap	$665.0	$678.2	$741.0	$772.5	$814.2
Carry-forward from Prior Years	1,286.5	1,397.1	1,204.6	1,238.2	1,041.6
Total Capacity Available	**$1,951.5**	**$2,075.3**	**$1,945.6**	**$2,010.7**	**$1,855.8**
Issuances					
Single-family Housing	$187.5	$397.6	$124.1	$309.6	$25.6
Multifamily Housing	366.8	473.1	483.2	659.6	$337.0
Total Issuances	**$554.4**	**$870.7**	**$607.4**	**$969.2**	**$362.6**
Prior Year Carry-forward Abandoned	$0.0	$0.0	$100.0	$0.0	$0.0
Carry Forward	$1,397.1	$1,204.6	$1,238.2	$1,041.6	$1,493.2

YTD: year to date

Note: Numbers may not sum to total due to rounding. YTD figures are as of September 30, 2025.

Source: Department of Commerce

CDA's issuance of single-family and multifamily housing private activity debt varies year to year based on housing market conditions and interest rates, and CDA may also issue debt that does not make use of the volume cap. Total issuances using volume cap averaged $750 million annually from calendar 2021 through 2024.

Maryland Economic Development Corporation Bonds

MEDCO classifies its projects as performing, watch, or nonperforming based on the project's ability to meet its financial obligations. At the end of fiscal 2025, the Chesapeake Bay Conference Center (CBCC) project was nonperforming, and all of MEDCO's student housing projects were classified as performing.

CBCC has been classified as nonperforming since 2014, and the project's bondholders have repeatedly extended forbearance for debt payments in order to ensure that the project has enough cash to sustain operations. Although revenues are not sufficient to fully fund the project's debt obligations, all of the project's operating expenses are being paid, and payments are being made toward interest.

Student Housing Bonds

Student housing facilities make up the majority of MEDCO-operated projects. Projects are classified under "Watch" status if they do not meet a debt coverage ratio of 1.20 at the end of the fiscal year. At the end of fiscal 2025, no student housing facilities were in watch status. The Bowie State University mixed-use project, which was in watch status at the end of fiscal 2024, is now classified as performing. In February 2025, MEDCO and the University of Maryland, Baltimore Campus (UMB) finalized the sale of the housing at UMB, which had been in watch status since fiscal 2020, to a private company. With that sale, MEDCO no longer has debt for that project.

MEDCO opened a new student housing facility at Morgan State University (MSU), called Legacy Hall, in August 2024. Payments on that project are not scheduled to begin until July 2028. Bonds were issued in fiscal 2025 for two additional projects that are under construction: Leonardtown Student Housing at the University of Maryland, College Park Campus; and Harper Tubman Student Housing at MSU.

Exhibit 7.3 shows the debt coverage ratio at the end of the last three fiscal years, the maximum debt service, and outstanding balance at the end of fiscal 2024 for each housing project. MEDCO anticipates that all student housing projects will be able to fund operating expenses and meet their upcoming debt service payments.

Exhibit 7.3
Status of MEDCO-operated Student Housing Projects
Fiscal 2023-2025
($ in Millions)

Project	Debt Coverage Ratio[1] 2023	2024	2025	Maximum Annual Debt Service	Outstanding Balance June 2025
Bowie State University	2.11	1.42	1.23	$1.4	$9.4
Bowie Mixed-use Project	1.36	***1.05***	1.24	2.5	48.2
Capitol Technology University	2.11	2.50	2.04	0.7	10.9
Frostburg State University	***0.89***	1.73	1.52	1.2	8.6
Leonardtown (College Park)	n/a	n/a	n/a	n/a	155.7
Morgan State University (MorganView)	1.23	1.32	1.89	2.2	19.5
Morgan Mixed-use Project (Thurgood Marshall)	n/a	1.32	1.89	3.8	83.7
Morgan State University (Legacy Hall)	n/a	n/a	1.89	2.5	111.5
Morgan (Harper Tubman)	n/a	n/a	n/a	n/a	50.9
Salisbury University	2.21	2.26	2.19	2.2	12.3
Towson University	1.58	1.53	1.63	3.6	31.8
University of Maryland, Baltimore Campus	***1.18***	***1.18***	n/a	n/a	0.0
University of Maryland, Baltimore County	1.83	1.85	1.97	1.6	12.6
University of Maryland, College Park Campus	1.58	1.30	1.91	10.3	101.3
University Village at Sheppard Pratt	1.83	2.79	2.65	1.6	13.1

MEDCO: Maryland Economic Development Corporation

[1] Debt coverage ratio is the ratio of net operating income to debt service payments. The required coverage ratio is 1.2.

Note: Bold and italics indicate projects that did not meet the required coverage ratio. In fiscal 2025, the University of Maryland, Baltimore Campus project was sold, and its bonds were defeased.

Source: Maryland Economic Development Corporation

University System of Maryland

The University System of Maryland (USM) historically has issued 20-year bonds with serial maturities and level debt service payments. USM also recently added the ability to issue 10-year serial maturities for facilities, renewal projects, and 30-year bonds to the portfolio for

student housing projects. The first year is interest only, and the principal is retired in the remaining years.

USM's debt management Board of Regents policy establishes prudent limits and process for the use of debt financing and to reassure investors and the rating agencies of the system's financial stability and control over debt. The policy was last revised in June 2025 to reflect the current planning metrics used by USM and is currently undergoing another review process. USM aims for debt service that includes payments on capital lease obligations but not operating lease payments (terms no longer used in the preparation of audited financial statements with the adoption of Governmental Accounting Standards Board (GASB) Statement 87) to be less than 4.0% of operating revenues plus State appropriations, including grants and contracts. Despite GASB changes to lease reporting, only leases that have been classified as capital leases will impact on State debt capacity. The current ratio was developed after discussions with its financial advisor (Public Financial Management's Higher Education Office), rating agencies, and investors. Chapter 3 provides a detailed discussion of capital leases and recent GASB changes.

USM reports that it expects to maintain the current rating of Aa1 (stable) from Moody's and the equivalent AA+ from both Fitch (stable) and Standard & Poor's (S&P). The most recent credit opinions by the rating agencies were issued in April, February and August 2025, respectively.

Exhibit 7.4 shows that USM will be under the 4.0% debt service goal for fiscal 2025 to 2031. Total debt service will be approximately $131 million, or 1.98%, of fiscal 2025 operating revenues plus State appropriations, including grants and contracts. The forecast indicates that the ratio will stay at or below 2.3% through the fiscal 2031 projection.

Exhibit 7.4
University System of Maryland Debt Service as Related to Operating Revenues Plus State Appropriations
Fiscal 2012-2031 Est.
($ in Millions)

Fiscal Year	Total Debt Outstanding	Total Debt Service	Operating Revenues Plus State Appropriations	Ratio of Debt Service to Operating Revenues Plus State Appropriations
2012	$1,170	$124	$4,204	3.0%
2013	1,217	139	4,256	3.3%
2014	1,290	130	4,478	3.0%
2015	1,199	141	4,472	3.2%
2016	1,270	146	4,644	3.1%
2017	1,298	142	4,811	3.0%
2018	1,286	145	4,931	2.9%
2019	1,304	154	4,929	3.1%
2020	1,202	154	5,114	3.0%
2021	1,357	136	4,960	2.7%
2022	1,453	153	6,101	2.5%
2023	1,330	140	6,644	2.1%
2024 Est.	1,351	136	6,486	2.1%
2025 Est.	1,254	131	6,611	2.0%
2026 Est.	1,268	127	6,347	2.0%
2027 Est.	1,286	137	6,156	2.2%
2028 Est.	1,367	142	6,279	2.3%
2029 Est.	1,409	144	6,405	2.3%
2030 Est.	1,432	148	6,533	2.3%
2031 Est.	1,452	142	6,664	2.1%

Note: Total debt outstanding and total debt service include academic, auxiliary, and capital lease debt.

Source: University System of Maryland

USM also has a policy limit for the ratio of available resources (defined as unrestricted net position, or fund balance of USM and the affiliated foundation with adjustments for certain long-term liabilities) to debt outstanding. With advice from its financial advisor, USM's Board of Regents policy limits debt authorizations such that the ratio of available resources is to be no less than 90% of total debt outstanding, adjusted for outstanding commitments; in practice, this is managed to a ratio of 1:1. The most recent policy update redefines this ratio to state that the ratio of cash and investments at the time of issuance is to be no less than 90% of total adjusted debt.

Exhibit 7.5 shows USM's available resources to debt outstanding ratio for fiscal 2012 to 2031. USM also adjusts this ratio in its internal cash management analysis. Adjustments include expanding debt outstanding to include anticipated issuances for projects that the system is committed to completing. This reduces the ratio of available resources to debt outstanding by increasing the denominator of the fraction. USM advises that, after adjustments are made, the preliminary fiscal year-end 2025 ratio was 137%. USM has exceeded the target minimum 90% throughout the entire period. In the 2026 session, the system will seek authorization for a total of $30 million in academic revenue bonds to provide facility renewal and capital project funding for USM institutions for fiscal 2027.

Exhibit 7.5
Summary of Available Resources to Debt Outstanding for the University System of Maryland
Fiscal 2012-2031 Est.
($ in Millions)

Fiscal Year	Available Resources	Debt Outstanding	Ratio of Available Resources to Debt Outstanding
2012	$1,622	$1,170	138.6%
2013	1,752	1,217	144.0%
2014	1,748	1,290	135.5%
2015	1,902	1,199	158.6%
2016	2,067	1,270	162.8%
2017	2,178	1,298	167.8%
2018	2,384	1,286	185.5%
2019	2,576	1,304	197.6%
2020	2,617	1,202	217.7%
2021	2,798	1,357	206.2%
2022	2,946	1,453	202.8%
2023	3,356	1,330	252.3%
2024	3,519	1,351	260.4%
2025 Est.	3,590	1,254	286.4%
2026 Est.	3,598	1,268	283.7%
2027 Est.	3,614	1,286	281.0%
2028 Est.	3,632	1,367	265.7%
2029 Est.	3,650	1,409	259.1%
2030 Est.	3,669	1,432	256.2%
2031 Est.	3,687	1,452	253.9%

Note: Debt outstanding includes auxiliary, academic, and capital lease debt. The ratios include planned $30 million annual academic revenue bond issuances but not any other potential future obligations.

Source: University System of Maryland

St. Mary's College of Maryland

St. Mary's College of Maryland's (SMCM) outstanding debt consists of auxiliary and capital lease debt. The total debt in fiscal 2025 is $33 million, declining to $23 million by fiscal 2031. As shown in **Exhibit 7.6**, the college's ratio of debt service to unrestricted expenditures is also expected to decrease from 3.7% in fiscal 2025 to 2.2% in fiscal 2031.

Exhibit 7.6
St. Mary's College of Maryland Debt Service Related to Unrestricted Expenditures
Fiscal 2013-2031 Est.
($ in Thousands)

Fiscal Year	Total Debt Outstanding	Total Debt Service	Unrestricted Expenditures	Ratio of Debt Service to Unrestricted Expenditures
2013	$38,311	$3,211	$63,082	5.1%
2014	36,387	3,208	61,031	5.3%
2015	34,268	3,200	65,858	4.9%
2016	33,904	3,436	70,310	4.9%
2017	31,735	3,682	68,414	5.4%
2018	31,390	3,516	64,059	5.5%
2019	25,760	4,044	66,490	6.1%
2020	24,340	2,708	66,286	4.1%
2021	42,135	3,034	65,895	4.6%
2022	39,865	3,816	73,402	5.2%
2023	37,535	3,791	80,702	4.7%
2024	35,115	3,786	90,241	4.2%
2025	32,965	3,429	92,948	3.7%
2026 Est.	31,015	3,153	95,736	3.3%
2027 Est.	29,115	3,033	98,608	3.1%
2028 Est.	27,135	3,041	101,566	3.0%
2029 Est.	25,765	2,370	104,612	2.3%
2030 Est.	24,345	2,374	107,227	2.2%
2031 Est.	22,880	2,374	109,908	2.2%

Note: Total debt outstanding and total debt service includes auxiliary and capital lease debt only. St. Mary's College of Maryland does not have any academic debt.

Source: St. Mary's College of Maryland

On June 20, 2024, SMCM's long-term issuer bond rating and senior most revenue-backed rating was affirmed by Moody's Ratings at A2 with an outlook change from stable to negative.

Morgan State University

As shown in **Exhibit 7.7**, MSU had $106 million of debt in fiscal 2025 relating to $1 million in capital lease debt and $105 million in historically Black colleges and universities (HBCU) loan disbursements. There was no academic and auxiliary revenue debt outstanding as of June 30, 2024. MSU last initiated an HBCU loan for $65 million to fund student housing renovations and critical deferred maintenance projects on December 2, 2022. No further issuance of debt is currently under consideration over the next five years.

Exhibit 7.7
Morgan State University Debt Service as Related to Unrestricted Expenditures
Fiscal 2013-2031 Est.
($ in Thousands)

Fiscal Year	Total Debt Outstanding	Total Debt Service	Unrestricted Expenditures	Ratio of Debt Service to Unrestricted Expenditures
2013	$47,761	$5,776	$165,502	3.5%
2014	43,770	6,422	164,211	3.9%
2015	43,145	6,078	170,966	3.6%
2016	54,409	7,100	179,011	4.0%
2017	48,481	8,312	195,529	4.3%
2018	46,465	8,332	201,361	4.1%
2019	44,434	7,980	205,670	3.9%
2020	40,973	8,081	203,560	4.0%
2021	9,038	7,588	166,919	4.5%
2022	27,960	2,159	253,291	0.9%
2023	44,391	3,050	308,209	1.0%
2024	69,252	4,441	361,313	1.2%
2025	105,704	4,289	394,748	1.1%
2026 Est.	135,151	9,989	407,209	2.5%
2027 Est.	132,084	8,909	426,851	2.1%
2028 Est.	128,894	8,909	439,600	2.0%
2029 Est.	125,569	8,909	452,700	2.0%
2030 Est.	122,103	8,909	466,200	1.9%
2031 Est.	118,489	5,584	480,100	1.2%

[1] Morgan State University advises that fiscal 2021 debt outstanding was low because the university retired $22.6 million in 1993 and 2012 bonds in fiscal 2020. Another $7.5 million in loans were forgiven, leaving $9 million in capital leases outstanding.

Note: Total debt outstanding and total debt service include academic, auxiliary, and capital lease debt.

Source: Morgan State University

MSU has taken advantage of the HBCU Capital Financing Program through the U.S. Department of Education. This program provides low-cost capital to finance improvements to the infrastructure of the nation's HBCUs. HBCU Capital Financing Program debt is not considered revenue bonds outstanding but rather a general obligation of the university. MSU indicated that, for financial statement purposes, this debt should not be considered outstanding until it is disbursed. In other words, this is like a line of credit.

MSU received an affirmed A+ rating with a stable outlook from S&P Global Ratings on December 2, 2021, and the last review date was July 23, 2025. On November 30, 2023, MSU's long-term issuer bond rating was affirmed by Moody's Ratings at A1 with a stable outlook.

MSU generally issues 20-year bonds with serial maturities and level debt service payments with the first-year interest only and the principal retired over the remaining 19 years. MSU has indicated that, in response to GASB 87 implementation, there is an estimated additional $43.4 million in capital leases arising from those leases previously accounted for as operating leases. MSU has engaged an accounting and consulting firm to perform an analysis to determine the actual impact of GASB 87 on its financial statements. See Chapter 3 for more details about GASB statements and capital leases.

Baltimore City Community College

To date, Baltimore City Community College (BCCC) has not issued auxiliary or academic debt but is authorized to issue up to $65 million. Since both the amount and eligible uses of its debt authorization were expanded in the 2009 session, BCCC has not initiated the bond rating process to issue debt. BCCC has more recently decided to assess its position to issue debt before pursuing the rating process. This position will be reviewed by its Board of Trustees, which is tasked with reviewing the institution's capital planning needs.

Chapter 8. Issues

Issues examined in this chapter are:

- Moody's downgrades Maryland's general obligation (GO) bond rating to Aa1 before the June 2025 sale;
- implications of Capital Debt Affordability Committee (CDAC) issuance recommendations; and
- updates on market interest rates and State interest rate assumptions.

Moody's Investors Service Assigns Negative Outlook to Maryland General Obligation Bonds

Prior to the June 2025 GO bond sale, State officials briefed FitchRatings, S&P Global Ratings, and Moody's Investors Service Inc. on economic, financial, fiscal, and governance issues affecting Maryland State government. Fitch and S&P rated Maryland AAA stable. Moody's downgraded Maryland's debt to Aa1. Since they began rating Maryland debt, this is the first sale for which Maryland did not have a AAA rating from all three major rating agencies. Although Maryland no longer has AAA ratings from all three agencies, Maryland debt remains highly rated debt. The bond sale had six bidders for all four issuance groups, which is high for such a large bond sale. All three rating agencies acknowledge the State's longstanding credit strengths, which are:

- high wealth and income levels;
- a broad and diverse economy;
- strong and well-embedded financial practices;
- strong debt affordability management and rapid debt amortization; and
- adequate reserves and liquidity.

Before the June 2024 bond sale, Moody's revised Maryland's outlook to negative. In downgrading Maryland's rating, Moody's cited Maryland's vulnerability to federal job reductions and evolving U.S. government policies. Moody's noted that Maryland's gross domestic product (GDP) growth from December 2018 to December 2024 was half of the U.S. real GDP growth. Moody's anticipates that federal actions will extend Maryland's economic underperformance.

Moody's also noted that Maryland's long-term liabilities are the highest among AAA-rated states. Factors that could lead to an upgrade in the rating are:

- economic outperformance demonstrated by real GDP growth, exceeding the national pace by at least 0.3% (30 basis points) and demonstrating reduced vulnerability to federal actions; and

- eliminating the structural deficit.

Although Fitch and S&P gave the State AAA stable ratings, they identified factors that could lead to a downgrade, such as:

- an inability to manage increasing spending demands with ongoing revenues;

- a material increase in long-term liabilities, particularly those associated with retiree benefits; or

- State wealth and income, employment, and population levels that materially trend in a persistently unfavorable direction due to significant weakness in the government sector.

In Chapter 6, the Department of Legislative Services (DLS) examines factors that influence GO bonds' true interest cost (TIC), which is the bonds' internal rate of return. The data were inconclusive so the analysis could not determine if the ratings downgrade had any effect on GO bonds' TIC. However, the data did suggest that there was a flight to quality at the time of the June sale. Bonds rated Aa1 and AAA certainly are high-grade bonds and would benefit from a flight to quality. DLS discussed this with the State Treasurer's Office (STO), whose financial advisor confirmed that they had also measured this flight to quality. The implication is that if bonds were affected adversely, this was overwhelmed by investors' demand for high-grade bonds. DLS will continue to examine factors that influence the TIC.

Maryland Is a High-debt State

Maryland is a high-debt state, and the State's debt ratios compare poorly to other AAA-rated states. **Exhibit 8.1** shows that Moody's ranked Maryland the twelfth highest state with respect to debt outstanding, which is 3.7% of personal income. When compared to states that get a AAA rating from all three primary rating agencies, this is the second highest level among AAA-rated states. Most AAA-rated states are below the mean ratio, suggesting that it is more difficult to keep a high bond rating as levels of debt increase. The state with the highest ratio nationwide is Hawaii, with a ratio of 9.7%.

Exhibit 8.1
Comparing Maryland to AAA-rated States' Net Tax Supported Debt Outstanding as a Percentage of Personal Income
Fiscal 2024

State	Debt Outstanding to Personal Income	State Rank
Delaware	6.5%	4
Maryland	**3.7%**	**12**
Virginia	2.6%	16
Mean – All States	2.4%	n/a
Ohio	2.3%	21
Minnesota	2.1%	22
Georgia	1.7%	27
Florida	0.9%	34
North Carolina	0.9%	34
Texas	0.9%	34
Utah	0.9%	34
South Carolina	0.7%	39
Missouri	0.6%	42
Indiana	0.5%	43
Iowa	0.5%	44
Tennessee	0.5%	44

Source: Moody's Investors Services, September 2025

Exhibit 8.2 shows that Maryland's debt service to revenues ratio of 3.4% is larger than all AAA-rated states. To make the comparison comparable, Moody's estimates an implied debt service. This is done by amortizing all debt over 20 years. Since Maryland's GO and transportation bonds are amortized over 15 years, Maryland GO bonds' implied debt service costs are less than actual debt service costs, which lowers Maryland's ratio. However, Moody's includes issuances that the CDAC does not include in its State debt calculations like bonds supported by lottery revenues, which increases the ratio.

Exhibit 8.2
Comparing Maryland to AAA-rated States' Net Debt Service as a Percentage of Revenues
Fiscal 2024

State	Implied Debt Service to State Revenues	State Rank
Delaware	3.6%	7
Maryland	**3.4%**	**9**
Ohio	2.9%	14
Virginia	2.7%	17
Georgia	2.2%	19
Mean – All States	2.1%	n/a
Minnesota	1.5%	26
Florida	1.4%	29
North Carolina	1.1%	31
Texas	1.1%	31
Utah	1.0%	31
Missouri	0.9%	37
South Carolina	0.7%	41
Indiana	0.6%	43
Iowa	0.6%	43
Tennessee	0.5%	46

Source: Moody's Investors Services, September 2025

Overall, Moody's ratio is less than the ratio estimated by the State in Chapter 4, so the net effect of this process is to reduce Maryland's ratio. Even with net favorable debt service adjustments, Maryland has the second highest ratio among AAA-rated states. Connecticut has the highest debt service to revenues ratio nationally, with debt service at 7.5% of State revenues.

Maryland's total long-term liabilities are also high. This includes debt; unfunded pension liabilities; unfunded Other Post Employment Benefits (OPEB); and other long-term liabilities, which are small and include claims and judgements. **Exhibit 8.3** shows that Moody's ranked Maryland the seventh highest state with respect to total long-term liabilities, which is 182% of personal income. The state with the highest ratio nationwide is Connecticut, with a ratio of 420%. Unfunded pension and OPEB liabilities are discussed in Chapter 5.

Exhibit 8.3
Comparing Maryland to AAA-rated States' Total Long-term Liabilities to State Revenues
Fiscal 2024

State	Total Long-term Liabilities to State Revenues	State Rank
Maryland	**181.8%**	**7**
Delaware	175.0%	8
South Carolina	129.0%	14
Texas	116.5%	17
Mean – All States	110.2%	n/a
Missouri	104.8%	22
Ohio	69.5%	30
Virginia	60.1%	34
Georgia	60.0%	35
Florida	57.4%	36
Minnesota	48.4%	38
North Carolina	47.9%	39
Indiana	42.2%	40
Utah	33.2%	44
Iowa	29.7%	47
Tennessee	28.5%	49

Source: Moody's Investors Services, September 2025

Maryland Has Authorized Large Amounts of Stadium Authority Debt Since Calendar 2019

In addition to the GO bond program, the State authorizes revenue bonds to support various non-State assets. Since 2019, the General Assembly has authorized over $4.5 billion in Maryland Stadium Authority (MSA) debt to support the following projects:

- $2.2 billion for Built to Learn school construction projects;
- $1.2 billion for improvements to the Baltimore Orioles and Ravens' stadiums;
- $400 million for constructing and renovating Blue Line Corridor projects in Prince George's County;

- $400 million for improvements to horse racing at Pimlico Race Course;
- $220 million for minor league sports stadiums and entertainment facilities;
- $59.5 million for constructing the Hagerstown Multi-Use Sports and Events Facility;
- $55 million for renovating and expanding the Baltimore City Convention Center;
- $25 million for a Supplemental Facilities Fund; and
- $24.5 million for renovating and expanding the Ocean City Convention Center.

Prior to 2010, MSA bonds supported by lottery revenues were classified as State debt. Bond counsel advised that this debt can be structured so that it is not State debt if the Comptroller's Office deposits the lottery funds with a trustee for the bondholders. Stadium bond sales in 2013 and 2014 were structured as non-State sales. Of MSA's $5.7 billion in total authorized debt, $5.5 billion is counted by the State as non-State debt. Chapter 3 examines MSA debt.

Upgrade or Downgrade Possible

Maryland lost one AAA rating but retained the other two. Moodys' noted that factors that could lead to an upgrade are real GDP growth exceeding the national average by 0.30% (30 basis points), demonstrating reduced vulnerability to federal actions, and eliminating the structural deficit. This implies that Maryland does not increase its long-term liabilities.

While neither S&P nor Fitch attached a credit watch or warning to Maryland GO bonds, both identified factors that could lead to a downgrade. These factors include increasing long-term liabilities. Increasing GO bond authorizations not only make it more difficult to convince Moody's to upgrade Maryland GO bonds but also increase the likelihood that S&P and Fitch will downgrade them. The downgrade shows that the rating agencies are paying close attention to Maryland.

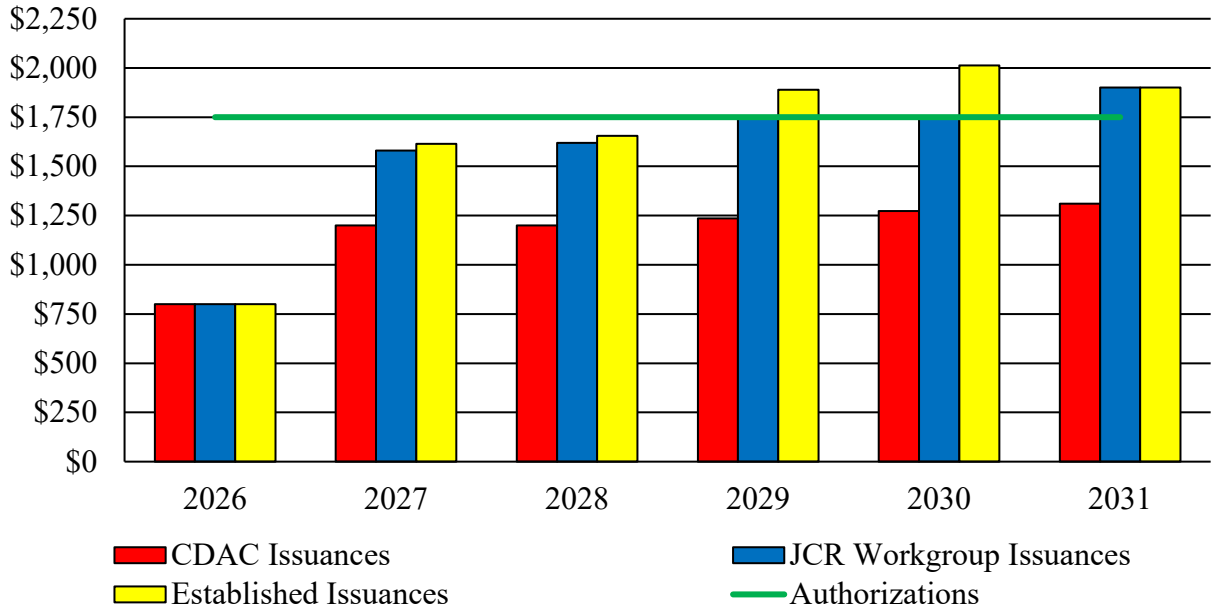
The State's capital budget increased substantially in fiscal 2025. For fiscal 2025, planned GO bond authorizations were $1.25 billion. In October 2023, CDAC increased this authorization by $0.5 billion to $1.75 billion. CDAC has reaffirmed the increased authorization and is sustaining $1.75 billion through the forecast period. The Department of Budget and Management (DBM) is planning around this amount in its *Capital Improvement Program*. Increasing GO bond authorizations reduces the likelihood that GO bonds are upgraded and increases the likelihood that there will be more downgrades. **Insofar as there have been substantial increases to the State capital budget and there are cost and credit risks to increasing authorizations, DLS recommends that authorizations remain at $1.75 billion.**

Review of Issuance Policies

As discussed in Chapter 2, the 2025 operating budget *Joint Chairmen's Report* (JCR) directed STO to work with DBM and DLS to convene a workgroup evaluating the issuance assumptions used by CDAC. The workgroup examined historical data and recommended revising issuance assumptions for new authorizations. Specifically, the workgroup recommended that the new debt issuance assumptions should be based on the 10-year weighted moving average of actual project expenditures per the capital budget bill.

CDAC did not adopt the workgroup's recommendations. Instead, CDAC assumed that issuances would total $1.2 billion in fiscal 2027 and increase steadily to $1.31 billion in fiscal 2031. **Exhibit 8.4** shows that CDAC the issuances are $0.38 billion to $0.59 billion less than the workgroup's recommendation from fiscal 2027 to 2031. With respect to the workgroup and established issuance assumptions, estimated issuances from prior authorizations are the same so that the only difference is the issuance assumptions for new authorizations.

Exhibit 8.4
General Obligation Bond Authorizations and Issuances
Fiscal 2026-2031
($ in Millions)

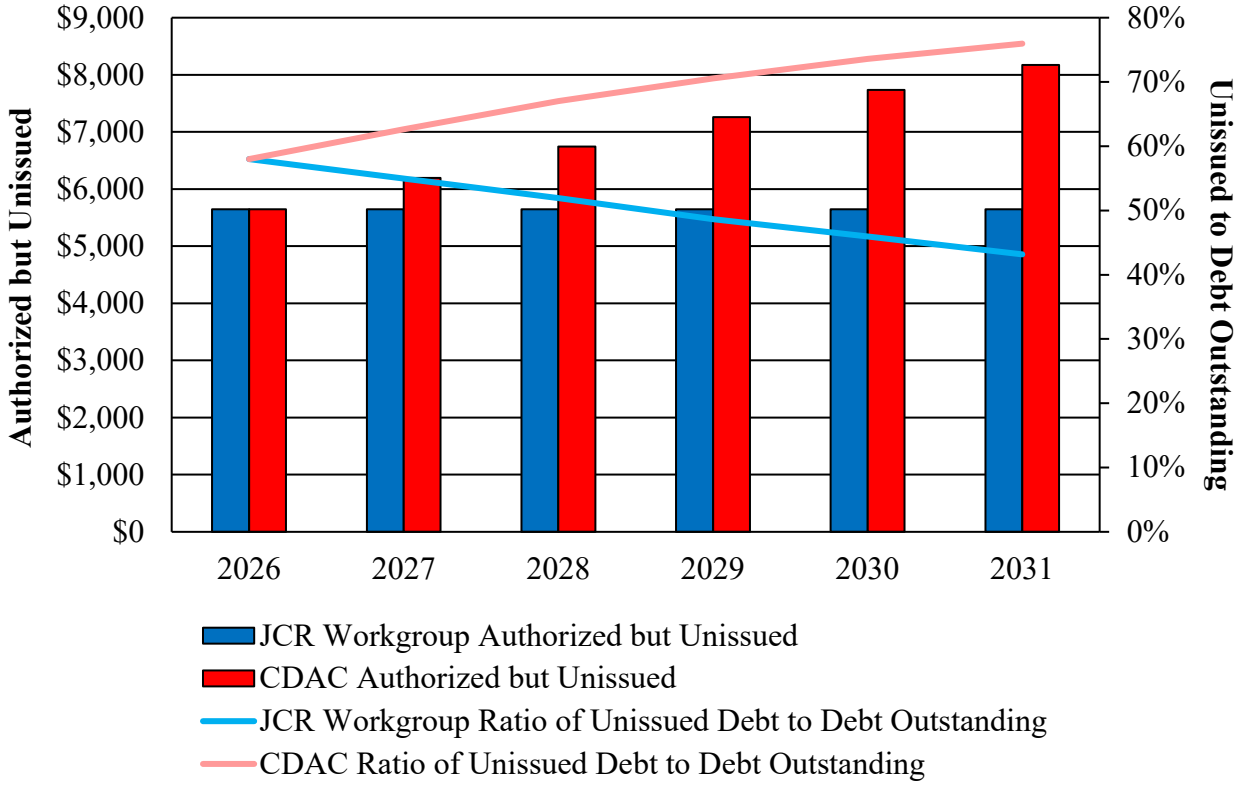


CDAC: Capital Debt Affordability Committee
JCR: *Joint Chairmen's Report*

Source: Capital Debt Affordability Committee; State Treasurer's Office; State Comptroller's Office; Department of Legislative Services

GO bonds authorizations are what the State commits to do. Issuances are how much the State expects to issue in a particular year. CDAC's issuance assumptions imply that the State will complete less capital projects over the forecast period. **Exhibit 8.5** shows that the amount of debt that is authorized and unissued increases from $5.6 billion in fiscal 2026 to $8.2 billion in fiscal 2031, an annual average increase of $0.5 billion. Under the workgroup's assumptions, authorized and unissued debt remains about $5.6 billion. The workgroup assumptions expect that the State can complete authorized capital projects consistently as in the past, while the CDAC assumptions imply an increasing backlog in projects to be done. The exhibit also shows that under CDAC assumptions, the ratio of authorized but unissued debt to debt outstanding increases from 58% in fiscal 2026 to 76% in fiscal 2031. This ratio is unusually high in fiscal 2026 because, in December 2023, fiscal 2025 GO bond authorizations were increased from a planned amount of $1.25 billion to $1.75 billion. This was maintained in fiscal 2026, so approximately $1 billion was added above the planned amount in those two fiscal years. Historically, this ratio has generally been below 50%.

Exhibit 8.5
Comparing 10-year Average Issuances to Capital Debt Affordability Committee Recommendation
Fiscal 2026-2031
($ in Millions)

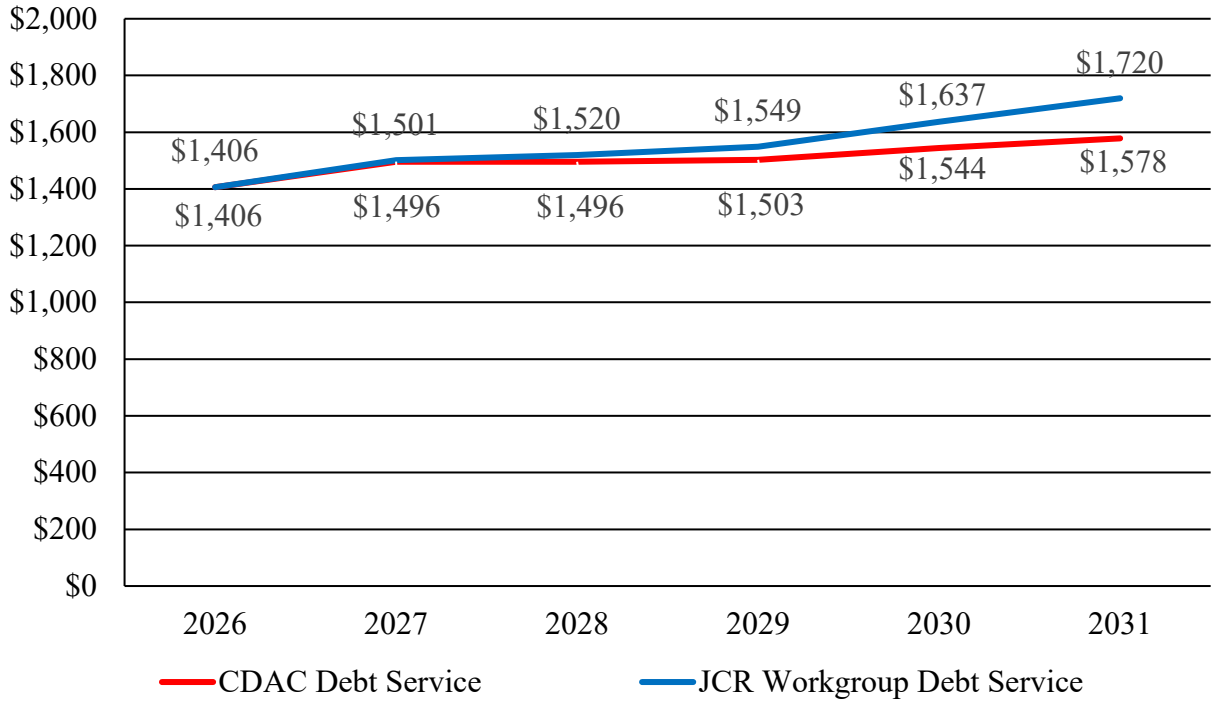


CDAC: Capital Debt Affordability Committee
JCR: *Joint Chairmen's Report*

Source: Capital Debt Affordability Committee; State Treasurer's Office; State Comptroller's Office; Department of Legislative Services

If capital project spending does not increase as authorizations are increased and less GO bonds are issued, debt service costs will be less. **Exhibit 8.6** shows that DLS estimates that CDAC issuance assumption costs are $142 million less than the workgroup's assumptions in fiscal 2031.

Exhibit 8.6
Comparing 10-year Average Debt Service Costs to CDAC Recommendation
Fiscal 2026-2031
($ in Millions)

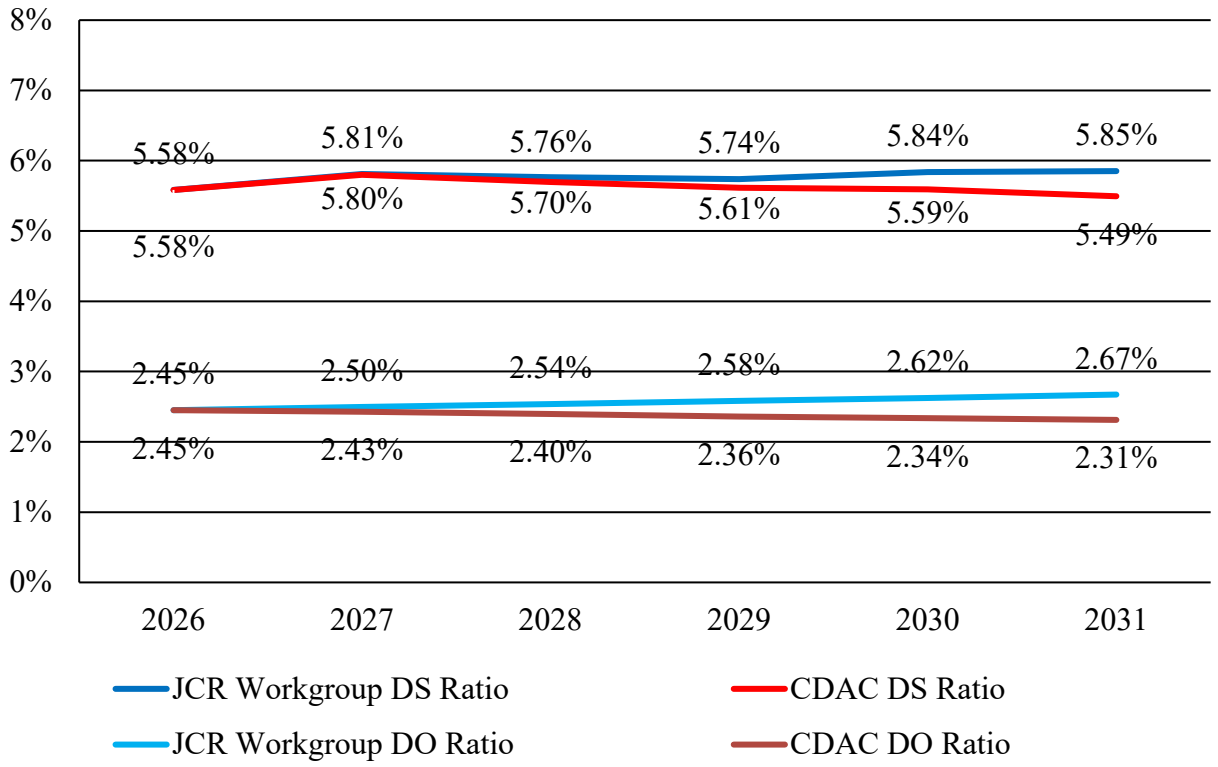


CDAC: Capital Debt Affordability Committee
JCR: *Joint Chairmen's Report*

Source: Capital Debt Affordability Committee; State Treasurer's Office; State Comptroller's Office; Department of Legislative Services

As discussed in Chapter 4, CDAC debt affordability criteria are that State debt outstanding does not exceed 4% of State personal income and that State debt service does not exceed 8% of State revenues. CDAC and workgroup issuance assumptions are both well below affordability ratios. **Exhibit 8.7** shows that the workgroup assumptions are higher than CDAC assumptions because more capital projects are funded and under construction.

Exhibit 8.7
Comparing JCR Workgroup and CDAC Affordability Ratios
Fiscal 2026-2031



CDAC: Capital Debt Affordability Committee
JCR: *Joint Chairmen's Report*
DS: debt service
DO: debt outstanding

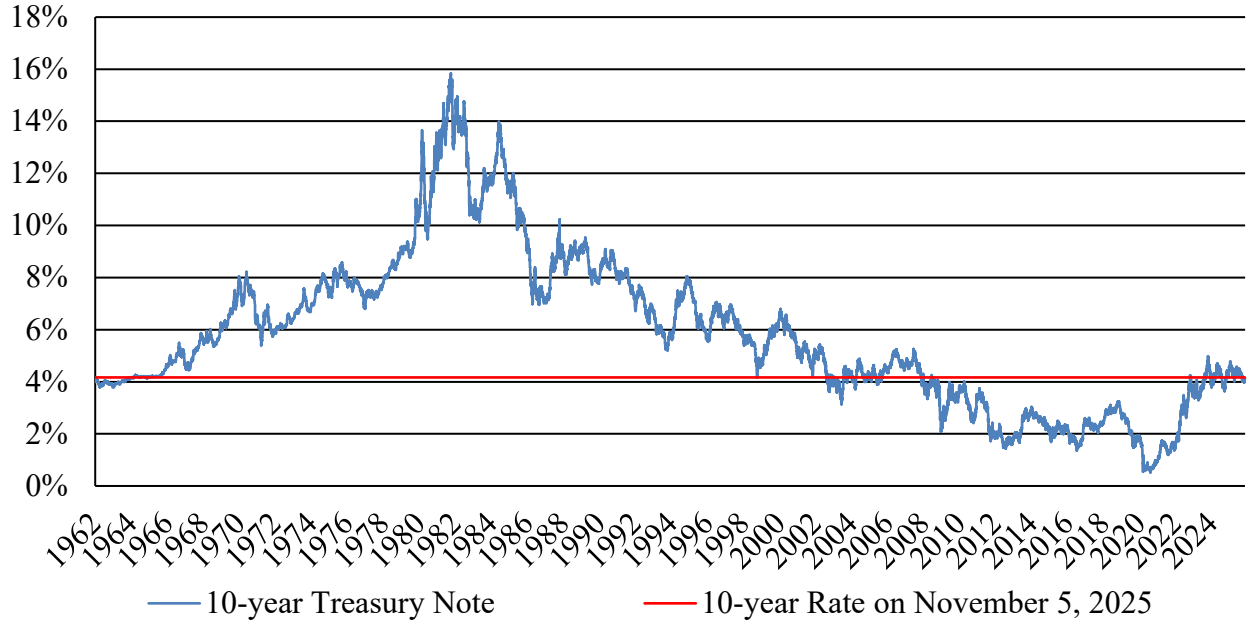
Source: Capital Debt Affordability Committee; State Treasurer's Office; State Comptroller's Office; Department of Legislative Services

The JCR workgroup analyzed historical data to evaluate GO bond issuance assumptions that were set more than 30 years prior to the budget committees' request to review them. STO, DBM, and DLS' consensus recommendation was to use a 10-year weighted moving average of actual project expenditures per capital budget bill to estimate expected issuances from new debt. The CDAC assumptions imply that capital program spending will average $0.5 billion below annual authorizations. The workgroup did not find any data suggesting that issuances should be substantially below annual authorizations throughout the forecast period. **DLS recommends that the Spending Affordability Committee adopt the JCR workgroup issuance assumption recommendations.**

Interest Rate Update

Interest rates have been unusually low recently and are now bouncing back to be in line with prior years' rates. Federal Reserve policies and concerns about the economy kept interest rates low during the COVID-19 pandemic. **Exhibit 8.8** shows that the 10-year U.S. Treasury Note[1] stayed below 2% over much of that period. While it occasionally dipped below 2% in prior years, this was the only extended period below 2%. Interest rates were below 1% for 288 business days across 2020 and 2021. Since March 2022, interest rates have trended upward, albeit unevenly. The 10-year rate was last below 2% on March 11, 2022, at 1.98%. Rates have exceeded 4.5% since September 2023 but have not exceeded 5%.

Exhibit 8.8
10-year U.S. Treasury Note Interest Rates
January 1962 to November 2025



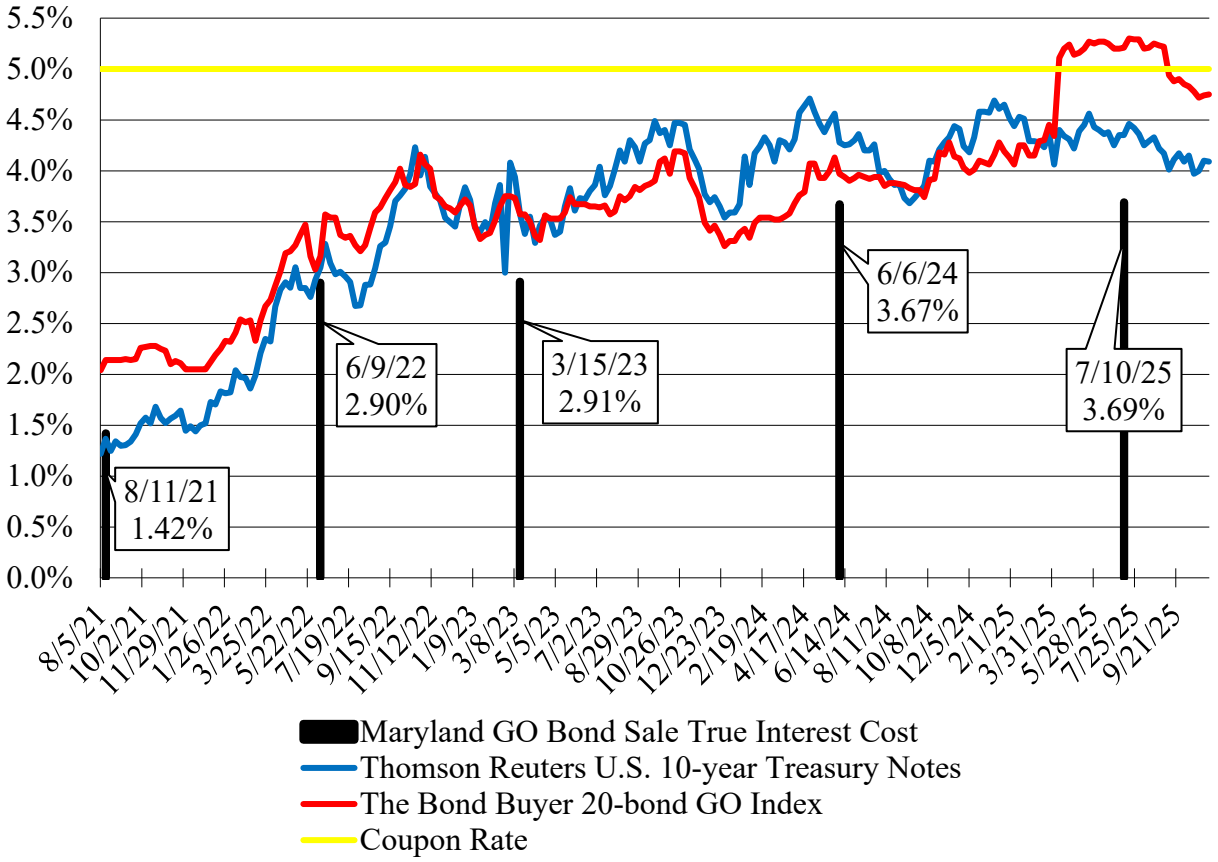
Source: Board of Governors of the Federal Reserve System

[1] DLS uses the 10-year rate as a basis for comparison since GO bond issuances average maturities are 10 years.

Maryland General Obligation Bond Interest Rates Are Still Below the 5% Coupon Rates

To date, higher interest rates have not increased debt service costs. STO and DLS' interest rate estimates assume a 5.00% coupon rate on bond sales. Until the TIC is higher than 5.00%, higher interest rates will not increase debt service costs. When the TIC is less than the coupon rate, bonds sell at a premium. Higher interest rates have reduced premiums rather than increase debt service costs. **Exhibit 8.9** shows that the TIC, which is the market rate, of the most recent GO bond sale in June 2025 was 3.69%. On the day of the sale, *The Bond Buyer* 20-bond Index was 5.21%. This is consistent with the TIC analysis in Chapter 6, which suggests that there was a flight to quality at the time of the sale. The difference between the index and the Maryland's TIC shows the large spread between highly rated bonds and the average rate. Even with the ratings downgrade, Maryland bonds are still highly rated, so the State benefited from the flight to quality at the sale. **DLS recommends that interest rates should be monitored and that interest rate assumptions increase if an anticipated TIC is more than 5.00%.**

Exhibit 8.9
General Obligation Bond Sales' True Interest Costs Compared to Interest Rate Indices
Issuances from August 2021 to November 2025



GO: general obligation

Source: Public Resources Advisory Group; Board of Governors of the Federal Reserve System; Department of Legislative Services

Appendix 1
Estimated General Obligation Bond Issuances
Fiscal 2026 to 2035
($ in Thousands)

Fiscal Year	Proposed Authorization	Estimated Issuances During Fiscal Year (a) ====> 2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total Issued
2027	$1,750,000	$0	$508,000	$438,000	$245,000	$140,000	$419,000					$1,750,000
2028	1,750,000		0	508,000	438,000	245,000	140,000	$419,000				1,750,000
2029	1,750,000			0	508,000	438,000	245,000	140,000	$419,000			1,750,000
2030	1,750,000				0	508,000	438,000	245,000	140,000	$419,000		1,750,000
2031	1,750,000					0	508,000	438,000	245,000	140,000	$419,000	1,750,000
2032	1,750,000						0	508,000	438,000	245,000	140,000	1,331,000
2033	1,750,000							0	508,000	438,000	245,000	1,191,000
2034	1,750,000								0	508,000	438,000	946,000
2035	1,750,000									0	508,000	508,000
Total New Authorization		**$0**	**$508,000**	**$946,000**	**$1,191,000**	**$1,331,000**	**$1,750,000**	**$1,750,000**	**$1,750,000**	**$1,750,000**	**$1,750,000**	**$12,726,000**
Previously Authorized GO Bonds:	$4,693,595	$800,000	$1,072,000	$674,000	$559,000	$419,000	$150,000	$150,000	$150,000	$150,000	$150,000	$4,274.000
Total Issuances:		**$800,000**	**$1,580,000**	**$1,620,000**	**$1,750,000**	**$1,750,000**	**$1,900,000**	**$1,900,000**	**$1,900,000**	**$1,900,000**	**$1,900,000**	**$17,000,000**

GO: general obligation

Appendix 2
Maryland General Obligation Bond Debt True Interest Cost Analysis
Statistically Significant Variables

Bond Sale Date	TIC	20-bond Index	MD/US PI	YTM	Call
07/16/2008	3.86%	4.65%	2.213	9.60	Yes
03/04/2009	3.39%	4.96%	2.287	9.01	Yes
03/02/2009	3.63%	4.87%	2.287	10.04	Yes
08/05/2009	2.93%	4.65%	2.303	8.96	Yes
08/03/2009	3.20%	4.69%	2.303	9.01	Yes
10/21/2009	2.93%	4.31%	2.242	7.91	Yes
07/28/2010	1.64%	4.21%	2.259	5.34	No
07/28/2010	1.91%	4.21%	2.259	6.20	Yes
03/07/2011	2.69%	4.90%	2.286	6.86	No
03/09/2011	3.49%	4.91%	2.286	10.51	Yes
07/25/2011	1.99%	4.46%	2.299	5.65	No
07/27/2011	3.08%	4.47%	2.299	10.05	Yes
03/02/2012	2.18%	3.72%	2.306	8.33	Yes
03/07/2012	2.42%	3.84%	2.306	9.71	Yes
07/27/2012	2.52%	3.61%	2.277	9.10	Yes
08/01/2012	2.17%	3.66%	2.277	9.71	Yes
03/06/2013	2.35%	3.86%	2.288	9.61	Yes
07/24/2013	3.15%	4.77%	2.284	10.20	Yes
03/05/2014	2.84%	4.41%	2.265	10.14	Yes
07/18/2014	1.27%	4.36%	2.240	4.69	No
07/23/2014	2.65%	4.29%	2.240	10.16	Yes
03/05/2015	2.65%	3.68%	2.232	9.63	Yes
07/16/2015	2.83%	3.82%	2.238	10.33	Yes
06/08/2016	2.17%	3.03%	2.207	9.62	Yes
03/08/2017	2.84%	4.02%	2.205	10.59	Yes
08/16/2017	2.29%	3.57%	2.200	9.59	Yes
03/07/2018	2.83%	3.88%	2.129	10.29	Yes
08/01/2018	2.33%	3.95%	2.124	6.72	No
08/01/2018	3.12%	3.95%	2.124	13.05	Yes
03/26/2019	1.78%	3.79%	2.138	6.69	No
03/26/2019	2.71%	3.79%	2.138	13.02	Yes
08/14/2019	1.13%	3.10%	2.128	7.35	No
08/14/2019	1.98%	3.10%	2.128	13.00	Yes

Bond Sale Date	TIC	20-bond Index	MD/US PI	YTM	Call
03/04/20	0.89%	2.31%	2.107	7.41	No
03/04/20	1.85%	2.31%	2.107	13.01	Yes
07/22/20	0.55%	2.10%	2.090	6.75	No
07/22/20	1.74%	2.10%	2.090	13.09	Yes
02/24/21	0.63%	2.44%	2.009	7.48	No
02/24/21	1.73%	2.44%	2.009	13.07	Yes
08/11/2021	0.76%	2.14%	2.009	7.58	No
08/11/2021	1.78%	2.14%	2.009	13.02	Yes
06/08/2022	2.32%	3.16%	1.885	7.19	No
06/08/2022	2.83%	3.16%	1.885	10.97	Yes
06/08/2022	3.29%	3.16%	1.885	13.97	Yes
03/15/2023	2.35%	3.57%	1.820	7.71	No
03/15/2023	3.22%	3.57%	1.820	13.04	Yes
06/05/2024	2.97%	3.97%	1.859	7.44	No
06/05/2024	3.14%	3.97%	1.859	10.98	Yes
06/05/2024	3.66%	3.97%	1.859	13.98	Yes
06/11/2025	3.15%	5.27%	1.850	6.73	No
06/11/2025	4.06%	5.27%	1.850	13.01	Yes
06/11/2025	2.76%	5.27%	1.850	1.53	No
06/11/2025	2.79%	5.27%	1.850	3.61	No

TIC: true interest cost
MD/US PI: ratio of Maryland personal income to U.S. personal income
YTM: years to maturity

Source for 20-bond Index: *The Bond Buyer*
Source for personal income: Moody's Analytics; IHS Markit
Remaining sources: Bond Sale Official Statements

Appendix 3
Agency Debt Outstanding
Fiscal 2015-2025
($ in Millions)

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Change 2015-2025	Average Annual % Change 2015-2025
Agency Debt Subject to Ceiling and Allocation Caps													
MES	$26.4	$24.8	$23.1	$21.4	$27.8	$26.8	$24.7	$22.3	$19.9	$17.3	$15.0	-$11.4	-5.5%
MDTA	3,176.4	3,062.0	2,928.4	2,149.9	2,097.5	2,393.5	2,479.5	2,424.9	2,566.2	2,347.0	2,288.0	-888.4	-3.2%
Maryland Water Infrastructure Financing Administration[1]	33.2	29.2	24.7	20.3	17.8	15.2	12.4	9.5	6.5	3.4	0.0	-33.2	-100.0%
Revenue Cap Total	**$3,235.9**	**$3,116.0**	**$2,976.2**	**$2,191.6**	**$2,143.1**	**$2,435.5**	**$2,516.6**	**$2,456.6**	**$2,592.6**	**$2,367.7**	**$2,303.0**	**-$932.9**	-3.3%
% Change/Prior Year	**-0.2%**	**-3.7%**	**-4.5%**	**-26.4%**	**-2.2%**	**13.6%**	**3.3%**	**-2.4%**	**5.5%**	**-8.7%**	**-2.7%**		
Agency Debt Not Subject to Ceiling and Allocation Caps													
DHCD[2]	2,557.0	2,535.9	2,445.4	2,295.9	2,601.2	3,038.8	2,922.9	3,193.1	3,883.5	4,834.6	6,225.3	$3,668.3	9.3%
Local Government Infrastructure (CDA)	164.1	156.1	167.8	184.0	191.9	195.9	181.5	165.9	175.7	198.8	198.7	34.6	1.9%
MIDFA	312.6	288.3	286.4	265.8	237.0	223.6	213.0	185.8	187.9	178.5	156.0	-156.6	-6.7%
MDOT – County Revenue Bonds	87.9	120.2	108.8	97.0	128.0	113.4	100.6	87.2	76.0	64.3	56.7	-31.2	-4.3%
MDOT – Revenue-backed Debt	671.8	634.6	596.0	557.6	626.8	585.4	566.7	733.6	709.1	613.3	781.8	110.0	1.5%
MDOT – Purple Line[3]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	256.1	856.9	1,371.5	1,371.5	n/a
MSU	43.5	58.3	51.8	46.5	45.0	40.9	9.0	27.9	44.4	69.2	139.7	96.2	12.4%
SMCM	34.6	32.5	32.0	29.6	25.8	24.3	42.1	39.9	37.5	35.1	33.0	-1.6	-0.5%
USM	1,128.5	1,178.7	1,202.0	1,186.8	1,196.7	1,202.0	1,207.9	1,297.8	1,285.9	1,095.9	1,007.5	-121.0	-1.1%
Noncap Total	**$4,999.9**	**$5,004.7**	**$4,890.1**	**$4,663.2**	**$5,052.3**	**$5,424.3**	**$5,243.7**	**$5,731.1**	**$6,656.2**	**$7,946.7**	**$9,970.1**	**$4,970.2**	7.1%
% Change/Prior Year	**-6.8%**	**0.1%**	**-2.3%**	**-4.6%**	**8.3%**	**7.4%**	**-3.3%**	**9.3%**	**16.1%**	**19.4%**	**25.5%**		

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Change 2015-2025	Average Annual % Change 2015-2025
Tax-supported Debt													
Transportation Debt	$2,020.3	$2,146.1	$2,578.4	$2,911.7	$3,342.9	$3,627.0	$3,672.3	$3,643.5	$3,297.0	$3,022.2	$2,910.9	$890.7	3.7%
GARVEEs	349.4	279.8	206.6	129.7	48.9	0.0	0.0	0.0	0.0	0.0	0.0	-349.4	-100.0%
Capital Leases	242.2	236.0	216.7	223.6	199.2	198.1	175.4	160.0	147.1	140.2	330.7	88.5	3.2%
MSA	151.0	130.5	110.4	88.6	122.8	120.1	108.5	153.8	142.0	129.5	117.8	-33.2	-2.5%
Bay Restoration Bonds	130.0	301.6	292.9	273.6	253.4	232.1	209.7	186.2	161.6	140.4	118.1	-11.9	-1.0%
GO Debt	8,677.2	9,465.3	9,334.2	9,479.4	9,606.9	9,772.5	9,912.9	10,588.6	10,001.2	10,195.2	9,954.1	1,276.9	1.4%
Tax-supported Debt Total	**$11,570.1**	**$12,559.2**	**$12,739.1**	**$13,106.6**	**$13,574.2**	**$13,949.7**	**$14,078.8**	**$14,732.2**	**$13,748.9**	**$13,627.5**	**$13,431.5**	**$1,861.5**	1.5%
% Change/Prior Year	**3.7%**	**8.5%**	**1.4%**	**2.9%**	**3.6%**	**2.8%**	**0.9%**	**4.6%**	**-6.7%**	**-0.9%**	**-1.4%**		
Authorities and Corporations Not Subject to Ceiling and Allocation Caps													
Health/Higher Education Facilities Authority	$8,779.5	$8,664.0	$9,042.8	$9,063.4	$8,903.8	$8,339.6	$8,475.2	$8,600.2	$8,512.1	$8,423.3	$9,082.5	$303.0	0.3%
MEDCO	2,192.7	2,426.6	2,311.0	2,301.9	2,373.0	2,453.7	2,758.2	3,029.4	3,001.5	3,320.9	4,183.3	1,990.6	6.7%
Authorities and Corporations Total	**$10,972.2**	**$11,090.6**	**$11,353.8**	**$11,365.3**	**$11,276.8**	**$10,793.3**	**$11,233.5**	**$11,629.6**	**$11,513.6**	**$11,744.2**	**$13,265.8**	**$2,293.6**	1.9%
% Change/Prior Year	**-1.1%**	**1.1%**	**2.4%**	**0.1%**	**-0.8%**	**-4.3%**	**4.1%**	**3.5%**	**-1.0%**	**2.0%**	**13.0%**		

CDA: Community Development Administration
DHCD: Department of Housing and Community Development
GARVEE: Grant Anticipation Revenue Vehicle
GO: general obligation
MDOT: Maryland Department of Transportation
MDTA: Maryland Transportation Authority
MEDCO: Maryland Economic Development Corporation
MES: Maryland Environmental Service
MIDFA: Maryland Industrial Development Financing Authority
MSU: Morgan State University
SMCM: St. Mary's College of Maryland
USM: University System of Maryland

[1] Excludes bay restoration bonds.
[2] Excludes local government infrastructure.
[3] Excludes debt issued by MEDCO.