The New York Municipal Borrowers Guide



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This overview provides information about the major municipal borrowers in the State of New York and their bond programs. The borrowers described in this guide include some of the most established and recognized issuers in the municipal market, as well as issuers of bonds under programs that have been established more recently. They reflect the largest and most active issuers in the state and encompass various types of debt. In many cases, a single borrower may issue debt under multiple programs that are each repaid with a different revenue source; all significant active bond programs are covered for these borrowers. While the use of bond insurance has penetrated most segments of the New York State market, underlying ratings are shown in parentheses, where available. Individual series or maturities within each of the bond programs may be insured.

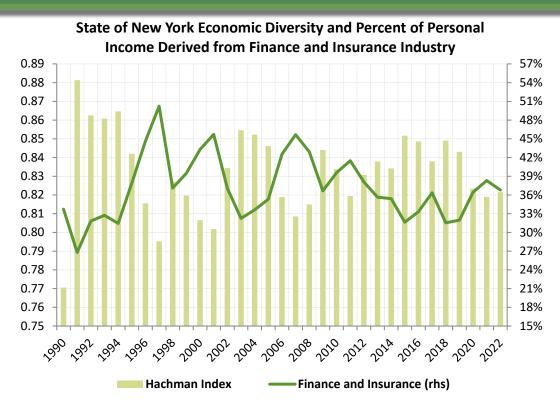
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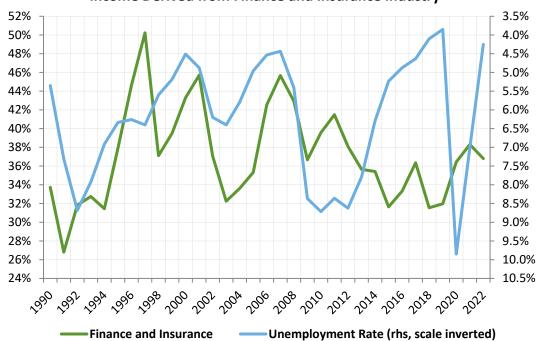
This introduction is intended to provide an overview of the long-term economic and fiscal developments taking place in the State of New York. Several factors are weighed and counterbalanced when determining these long-term trends. In terms of the economy, unemployment and industry diversity are considered. Trends in the tax base are examined by looking at per capita income, tax burden, and shifts in adjusted gross income in and out of the state. Finally, trends in the state's fiscal position are presented in terms of liabilities and reserves.

New York has the third largest state economy in the nation as measured by personal income from private earnings, farming and government employment. While the economy is large, earnings have historically exhibited concentration in the finance and insurance industry, although the state has diversified over the past decade. In 2022, 37% of New York's personal income came from this sector, which compares to 7% nationally. The measure of the state's overall economic diversity may be derived using the Hachman Index. This is an index of similarity that measures how closely industry earnings of the subject region (New York) resembles that of the reference region (United States). The value of the index is between zero and one. As the value of the index approaches one, this means that the subject region's employment distribution among industries is more similar to that of the reference region. If the reference region is the nation, and, given the assumption that the nation's economy is diversified, a larger value of the Hachman Index relative to the nation means that a subject region is more diversified (and therefore less specialized). New York has a Hachman Index score of 0.82, suggesting its economy is less diversified compared to the average state, which is described by a median score of 0.88. Historically, the pattern has been that economic diversity for the state tends to decline during downturns and then rise during the recovery period. Exposure to the finance and insurance industry used to have a more significant influence on the state's unemployment rate. Though, over the past decade, swings in the unemployment rate tended to be less affected by the share of income coming from the finance and insurance industry. The charts on the following page show the trend in the state's economic diversity and in the unemployment rate.





Source: Bureau of Economic Analysis, Bureau of Labor Statistics, Fidelity Capital Markets; April 11, 2023



State of New York Unemployment Rate and Percent of Personal Income Derived from Finance and Insurance Industry

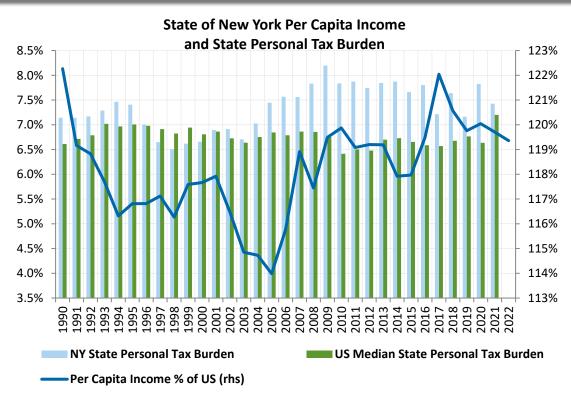
Source: Bureau of Economic Analysis, Bureau of Labor Statistics, Fidelity Capital Markets; April 11, 2023



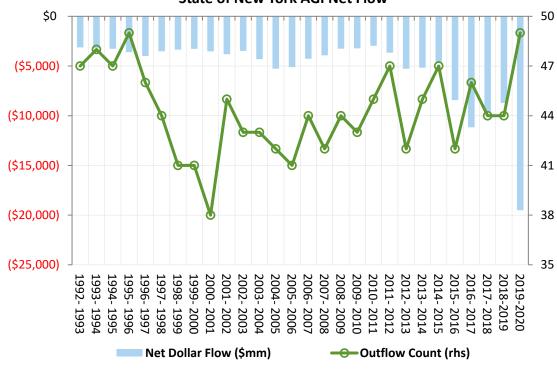
New York has the fourth highest personal income per capita, making it a relatively wealthy state. In 2022, New York's personal income per capita was 119% of the nation's. This may be partly attributed to employee compensation in the state's large finance/insurance and professional services industries. Historically, New York has had an above average state personal tax burden, which was 7.4% in 2021. However, the difference with the U.S. state median narrowed significantly, which rose to its highest level of 7.2% from 6.6% in 2020 (we acknowledge that the data in recent years may be distorted from government transfer payments and may be revised in subsequent years). The state personal tax burden is calculated by taking total state tax revenue excluding corporate income and severance taxes divided by total state personal income excluding federal transfer receipts. New York's progressive income tax structure places a high dependency on upper income residents, making the state's revenues more sensitive to economic cycles. For example, the share of the state's total income tax liability that came from those filers earning at least \$200,000 ranged from 42% to 66% for years 2001-2019. The year in which this percentage was the highest was 2017.

Due to a combination of factors, including demographics and cost of living, New York's tax base has exhibited outmigration in terms of shifts in adjusted gross income (AGI). Looking solely at changes in a state's population may provide limited value in this regard because it does not directly measure changes in the tax base. Rather, the migration of AGI between and among the states provides a more accurate measure of the trend in a state's tax base, in our opinion. The Statistics of Income Division of the IRS maintains records of all individual income tax forms filed in each year, including the state of residence of the filers. The data used to produce the migration statistics come from individual income tax returns and represent between 95% and 98% of total annual filings. One gauge of the degree of movement in a state's tax base is the extent to which it is on the sending or receiving end of AGI migration. The net dollar flow of AGI between New York and other states, as well as the number of inflows received from and outflows sent to every other state, provide a good indication of how New York's tax base is changing. Since the 1992-1993 period New York has experienced an annual net AGI outmigration, which reached a record \$19.5 billion in the 2019-2020 period due to the pandemic. For this most recent reported period the state lost part of its tax base to 49 other states, meaning that it had a net inflow from only one state. The long-term trend indicates that AGI outmigration may be influenced not only by demographics and the cost of living, but also by business cycles and changing lifestyle choices. The charts on the following page illustrate the trend in the state's per capita personal income, tax burden, and tax base.





Source: Bureau of Economic Analysis, Census Bureau, Fidelity Capital Markets; April 11, 2023



State of New York AGI Net Flow

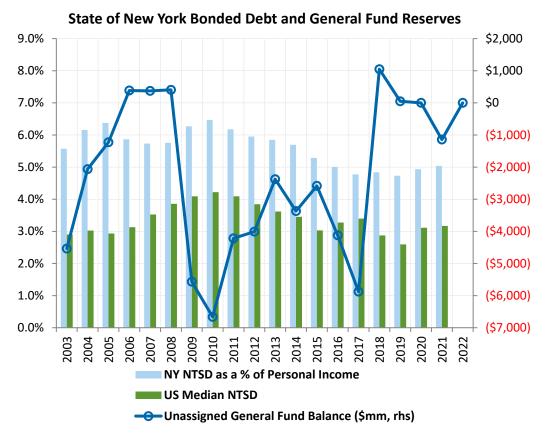
Source: IRS, Fidelity Capital Markets; April 11, 2023



New York's wealth and large economy have enabled it to support a large debt burden, although in relation to personal income, debt declined from 2009 to 2019, with a nascent uptrend beginning in 2020. Total net tax supported debt (NTSD) of \$77 billion is second highest among states and represents 5.0% of personal income, compared to the median for US states of 2.1%. The state's NTSD is also sixth highest per capita. The New York State pension system has had a history of maintaining strong funding levels. The state's adjusted net pension liability (ANPL) of \$37 billion, as calculated by Moody's, ranks the state 35th as a percentage of personal income and 32nd per capita. However, New York's Other Post-employment Benefit (OPEB) liability is quite large at \$57 billion and represents 3.8% of personal income.

One measure of a state's financial flexibility is its unrestricted reserves, or the unassigned balance in its general fund plus any committed 'rainy day' fund reserves. At fiscal year end 2022, New York had an unassigned general fund balance of zero, in the middle of where it has been over the past 5 years, between -\$1 billion and +\$1 billion. However, the state ended the fiscal year with a healthy committed rainy-day reserve of \$1.9 billion. The state has a policy of maintaining budget stabilization reserves at approximately 2% of revenues. While total reserves may be negative from time-to-time, and indicate a lack of flexibility, much of the reported negative position is on a fullyaccrued GAAP basis and typically is not in need of immediate remedy. In terms of immediate liquidity, budget stabilization reserves have been a consistent, albeit moderate source of support, having remained stable for more than ten years. The chart on the following page illustrates the trend in the state's NTSD and unassigned general fund reserve levels.





Source: State of New York, Moody's, Fidelity Capital Markets; April 11, 2023



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State of New York

General Obligation Bonds

Moody's Aa1 S&P AA+ Fitch AA+

Purpose

 Bond proceeds are used to finance various infrastructure, environmental, and transportation projects.

Bonds Outstanding

\$2.0 billion as of March 31, 2022

Full faith and credit obligation of the State of New York.

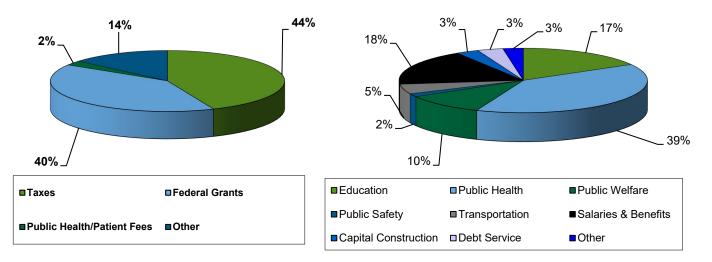
Security

Anticipated Borrowings

 Estimated fiscal year 2024-2028 issuance is \$336 million to \$599 million annually.

All Governmental Funds Revenues for the FY Ending March 31, 2022 (In Millions) \$250,958

All Governmental Funds Expenditures for the FY Ending March 31, 2022 (In Millions) \$238,407



Source: State of New York Comprehensive Annual Financial Report March 31, 2022



New York State Personal Income Tax

Personal Income Tax Revenue Bonds

Moody's Aa1 S&P AA+ Fitch: AA+

Purpose	Security
 Various projects. 	 The Enabling Act provides a source of payment for the State Personal Income Tax Revenue Bonds by establishing the Revenue Bond Tax Fund for the
Bonds Outstanding	purpose of setting aside New York
\$46.7 billion as of March 31, 2022	 State Personal Income Tax (PIT) Receipts sufficient to make financing agreement payments to authorized issuers. Pursuant to the amended financing agreement, the State has dedicated 50% of its PIT, 50% of its Employer Compensation Expense Program (ECEP) receipts, and 50% of its Pass- Through Entity Tax (PTET) receipts. Each month, the comptroller is required to deposit into the RBTF all the receipts collected from payroll withholding taxes, the PTET, and the ECEP, until an amount equal to 50% of the estimated monthly PIT, PTET, and ECEP receipts has been deposited into the fund.
Debt Service Reserve Fund	
None.	
Additional Bonds Test	
 Revenue Bond Tax Fund Receipts for any 12 consecutive calendar months ended not more than six months prior to the date of the calculation is at least 2.0X MADS on all outstanding State Personal Income Tax Revenue Bonds and proposed debt. 	



New York State Personal Income Tax

Personal Income Tax Revenue Bonds (cont.)

Moody's Aa1 S&P AA+ Fitch: AA+

Covenant

The State Comptroller is required to set aside, monthly, in the Revenue Bond Tax Fund (RBTF), amounts such that the combined total of the amounts previously set aside and deposited in the RBTF and the monthly amount required to be deposited is not less that 125% of the financing agreement payments in the following month. In the event that Revenue Bond Tax Fund Receipts are insufficient to meet the debt service and other cash requirements of all the authorized issuers, the State Comptroller is required by the Enabling Act, without further appropriation, to immediately transfer amounts from the General Fund of the State to the RBTF.

Authorized Issuers

- New York State Thruway Authority
- Dormitory Authority of the State of New York
- New York State Environmental Facilities Corporation
- New York State Housing Finance Agency
- New York State Urban Development Corporation

Anticipated Borrowings

 Estimated fiscal year 2024-2028 issuance is \$5.1 billion to \$6.4 billion annually.



Sales Tax Revenue Bonds

MADS on all outstanding State Sales Tax Revenue Bonds and

proposed debt.

Moody's Aa1 S&P AA+ Fitch: AA+

Purpose	Security
Various projects.	 The State Sales Tax Revenue Bonds are secured by 2% of the State's 4% sales tax. All revenues derived from the 2% sales tax are required to be deposited in the
Bonds Outstanding	Sales Tax Revenue Bond Tax
■ \$12.4 billion as of March 31, 2022	 Fund (STRBTF). Sales Tax bond debt service is paid from the STRBTF, subject to annual appropriation by the State. If an appropriation has been made and all payments are current, then the Comptroller is required to distribute excess monies to the General Fund of the State. The Enabling Act provides a source of payment for the State Sales Tax Revenue Bonds by establishing the STRBTF for the purpose of setting aside New York State Sales Tax Receipts sufficient to make financing agreement payments to authorized issuers. All State Sales Tax Revenue Bonds are on a parity with one other as to payment from the STRBTF.
Debt Service Reserve Fund	
None.	
Additional Bonds Test	
 Sales Tax Revenue Bond Tax Fund Receipts for any 12 consecutive calendar months ended not more than six months prior to the date of the calculation is at least 2.0X 	



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Sales Tax Revenue Bonds (cont.)

Moody's Aa1 S&P AA+ Fitch: AA+

Covenant

The State Comptroller deposits the dedicated sales tax receipts into the STRBTF upon certification of revenues by the Commissioner of the State's Department of Taxation and Finance. The funds are deposited monthly on a 1/5 of interest, 1/11 of principal basis. There must be a legislative appropriation to transfer funds out of the STRBTF to pay debt service and the monthly financing agreement payments must be made in order for receipts in excess of debt service requirements to be transferred to the General Fund and used for any other purpose.

Authorized Issuers

- New York State Thruway Authority
- Dormitory Authority of the State of New York
- New York State Urban Development Corporation

Anticipated Borrowings

 Estimated fiscal year 2024-2028 issuance is \$2.1 billion to \$2.7 billion annually.



Dormitory Authority of the State of New York

Court Facilities Lease Revenue Bonds (City of New York Issue)

Moody's Aa3 S&P AA- Fitch AA-

Purpose	Security
Bond proceeds were used for the purpose of financing the design and construction of various court facilities located in New York City.	 Debt service on the bonds is payable from rental payments made by the City, subject to annual appropriation. In the event the City fails to make the required rental payments, the State Comptroller is directed to make the rental payments from annually appropriated State assistance provided to the City.

Bonds Outstanding

 \$265 million as of December 31, 2022

Anticipated Borrowings

None specified.

Debt Service Reserve Fund

 The Debt Service Reserve Fund must be fully funded in an amount equal to MADS.



Dormitory Authority of the State of New York

InterAgency Council Pooled Loan Program Revenue Bonds

Purpose

Proceeds of the bonds will be used to finance or refinance the acquisition, construction, renovation, furnishing and equipping of certain facilities of the borrowers for the provision of services to people with developmental disabilities or other special needs.

Outstanding Debt

\$159 million as of December 31, 2022

Debt Service Reserve Fund

 Required to be funded at 50% of Maximum Annual Debt Service on outstanding Bonds.

Anticipated Borrowings

None specified.

Security

The Bonds are secured through intercept arrangements among DASNY, New York's Office for Persons with Developmental Disabilities (OPWDD) or the New York State Department of Health, and non-profit borrowers who participate in the program to finance facilities to provide essential services to the disabled.

Moody's Aa2 S&P NR Fitch NR

Security (cont.)

- The intercept program is authorized by state statute, and the various parties agree to it through the loan agreements between DASNY and the borrowers, and an intercept acknowledgement between DASNY and OPWDD. Under state law, borrowers issuing bonds through DASNY can assign state revenues to a trustee or to DASNY. The intercept mechanism is in place to capture state funds and ensure debt service payments are made if a borrower fails to make a monthly payment to the trustee.
- If borrowers fail to make monthly payments to the trustee pursuant to their DASNY loan agreements, DASNY or the trustee will notify OPWDD to intercept funds due to the borrower.
- DASNY requires most borrowers assign a 1st lien mortgage on facilities, and the Authority is required to assign such mortgages to the trustee if there is a draw on the Debt Service Reserve Fund. Leased properties require a collateral assignment of the lease to DASNY which may be reassigned to a new provider in case of borrower default.



Dormitory Authority of the State of New York

State University Dormitory Facilities Revenue Bonds

Moody's Aa3 S&P A+ Fitch A+

Purpose	Security
 Bond proceeds are used to finance capital projects of the State University of New York ("SUNY"). 	 Debt service is payable from dormitory rents, fees and charges ("Revenues") that have been assigned by SUNY to DASNY pursuant to enabling legislation enacted in March 2013.
Bonds Outstanding	 Revenues, as collected, are payable to a special DASNY fund held by the State's Commissioner of Taxation and Finance (T&F Fund). The Bonds are issued under the Resolution and are payable, without the requirement of a state appropriation, solely from the Revenues deposited into the T&F
 \$1.9 billion as of December 31, 2022 	
Debt Service Reserve Fund	
None.	

Additional Bonds Test

 The 2013 Revenue Bond Resolution ("Resolution") permits Additional Bonds if Revenues in each of the two Fiscal Years immediately preceding the date of issuance were at least equal to 120% of MADS on all outstanding Bonds, calculated after giving effect to the Bonds proposed to be issued.

Rate Covenant

Fund.

There is a sum sufficient (1.0x) rate maintenance requirement.

Anticipated Borrowings

None specified.



New York State Environmental Facilities Corporation

State Clean Water and Drinking Water Revolving Funds Revenue Bonds (Pooled Financing Program)

Moody's Aaa S&P AAA Fitch AAA

Purpose

The State Revolving Fund programs were created in New York State to accept federal grants and State matching funds, which are used to reduce financing costs for recipients in financing those water pollution control projects and community water systems, by providing interest subsidies and reserves.

Bonds Outstanding

\$2.1 billion as of March 31, 2022

Anticipated Borrowings

 Projected new debt issuances (net of refundings) for Fiscal Year 2024 are estimated to be \$278 million.

Security

The borrowers are obligated to make debt service payments on the bonds, which are general obligation debt of the borrowers. The State has also established an intercept program, under which the State Comptroller may withhold State aid of the deficient borrower in order to make payments on the bonds. Additional security is provided through reserves made up of a portion of federal grants and state matching funds at least equal to 33 1/3% to 50% of the outstanding principal amount of the loans. Monies released from individual debt reserve accounts are to be deposited into the General Reserve Fund. This General Reserve Fund must be maintained at a level equal to the aggregate of all deficiencies in the individual Debt Service Reserve Funds (if any) and is available to secure all bonds issued under the MFI.



New York State Environmental Facilities Corporation

State Clean Water and Drinking Water Revolving Funds Revenue Bonds (NYCMWFA Projects)

Moody's Aaa S&P AAA Fitch AAA

Purpose

 To provide financial assistance to the New York City Municipal Water Finance Authority (NYCMWFA) for water pollution control and drinking water projects.

Bonds Outstanding

\$4.0 billion as of March 31, 2022

Security

The bonds are special obligations of the borrower, in this case NYCMWFA, and are secured by a net revenue pledge of the Authority. This pledge is subordinate to NYCMWFA's Water and Sewer Revenue Bonds. The bonds are further secured by a secondary lien on General Reserve Fund monies derived from excess funds, which consist of a portion of federal grants and state matching funds equal to 33 1/3% to 50% of the outstanding principal amount of the loans. In general, the subordinate bonds are not secured by a reserve allocation.

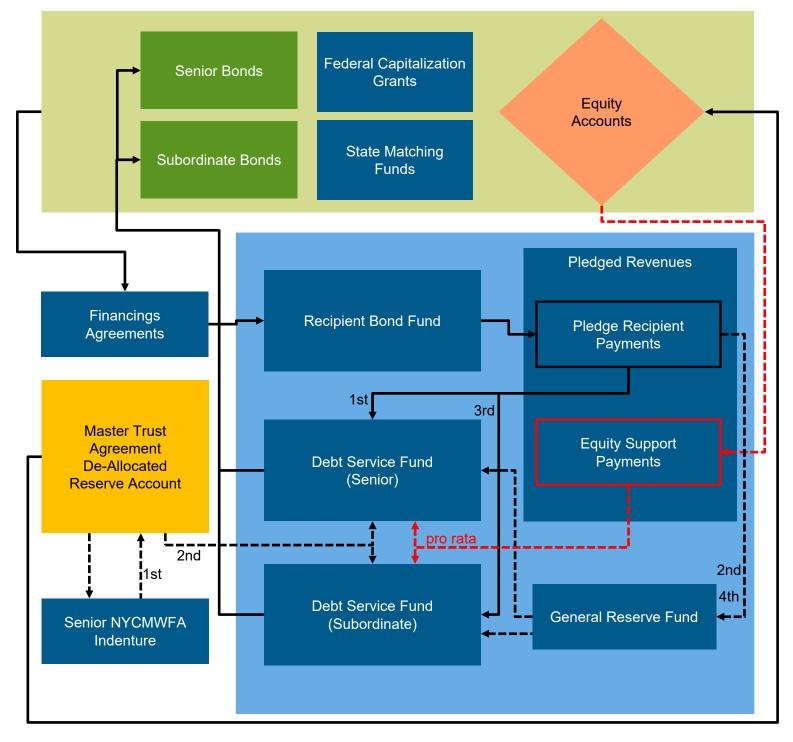
Anticipated Borrowings

None specified.



New York State Environmental Facilities Corporation

SRF Program Overview*



Planned Cash Flows

---- Contingent Cash Flows

*Simplified for illustrative purposes. Source: Annual Information Statement

New York State Housing Finance Agency

Affordable Housing Revenue Bonds

Purpose

The Bonds are issued to provide safe and sanitary housing accommodations, at rentals which families and persons of low income can afford, and which the ordinary operations of private enterprise cannot provide.

Bonds Outstanding

\$5.7 billion as of April 30, 2022

Additional Bonds Test

None

Debt Service Reserve Fund

 Varies by Bond issue but is equal to approximately 2 months of maximum debt service payments on the permanent amounts of the mortgage loans.

Anticipated Borrowings

None specified.

Redemption Provisions

 The Bonds may be redeemed at the option of the Agency from Recovery Payments, Mortgage Advance Amortization Payments and Voluntary Sale Proceeds.

Moody's Aa2 S&P NR Fitch NR

Security

- The Bonds are secured by assets pledged under the Resolution, including the multifamily mortgage loans and any payments received under credit enhancement facilities supporting the loans.
- Credit support providers include banks, which provide irrevocable direct pay Letters of Credit to the mortgage loans for the respective projects during their construction phases. An LOCs may be drawn upon if a borrower defaults on the mortgage loans during the construction phase.
- The State of New York Mortgage Agency Mortgage Insurance Fund (MIF) Project Pool Account provides mortgage insurance on the loans after construction is complete. MIF receives state mortgage recording surtaxes for all areas outside the New York City and Buffalo metropolitan areas to benefit the Project Pool Account.
- Other mortgage loans pledged under the resolution are supported by credit facilities from Freddie Mac or Fannie Mae, which cover the related loans during both the construction and permanent phases. The credit facilities may be drawn for amounts due under the related mortgage loans.



State of New York Mortgage Agency

Homeowner Mortgage Revenue Bonds

Moody's Aa1 S&P NR Fitch NR

Purpose	Security
Bond proceeds were used to	The Bonds are special obligations
refund cortain bands of the	of the Agency payable calculations

- refund certain bonds of the Agency, to provide funds for home mortgage loans and other items.
- The Bonds are special obligations of the Agency payable solely from the mortgages and other property pledged under the Bond Resolution.

Bonds Outstanding

\$2.6 billion as of April 30, 2022

Additional Borrowings

None specified.

Debt Service Reserve Fund

An amount equal to 3% of the sum of the outstanding principal balance of mortgage loans, the amount on deposit to the credit of the Acquisition Fund, and the outstanding principal balance of the collateral mortgage loans pledged to secure bonds.

Loans Loss Fund

An amount equal to 1% of the sum of the outstanding principal balance of mortgage loans, the amount on deposit to the credit of the Acquisition Fund, and the outstanding principal balance of the collateral mortgage Loans pledged to secure bonds.



General Revenue Bonds

Senior: Moody's A1 S&P A Fitch NR Junior: Moody's A2 S&P A- Fitch NR

Purpose

Bond proceeds are used for the construction and maintenance of the New York Thruway, a 64-mile toll road that runs from New York City to Buffalo and includes various bridges and barriers. Since 1992, the Authority has also owned and operated the New York State Canal System, which includes 524 miles of canals, and six transportation-related projects along the Thruway (known as "Other Authority Projects").

Bonds Outstanding

- Senior: \$3.6 billion as of December 31, 2021
- Junior: \$2.5 billion as of December 31, 2021

Anticipated Borrowings

Estimated Senior debt issuance for fiscal years 2025-26 is \$29 million and \$46 million, respectively, estimated Junior debt issuance for fiscal years 2025-26 is \$13 million and \$17 million, respectively.

Security

The bonds are a direct and general obligation of the Authority, secured by net revenues generated from the operation of the New York Thruway. However, revenues generated from canal operations are not pledged as security for the bonds. Excess revenues are retained by the Authority and not transferred to the State.



General Revenue Bonds (cont.)

Senior: Moody's A1 S&P A Fitch NR Junior: Moody's A2 S&P A- Fitch NR

Rate Covenant

Under its bond Resolution, the Authority must maintain tolls, fees, and other charges so that net revenues equal the greater of: (a) aggregate debt service, necessary deposits to the Senior Debt Service Reserve Fund, annual reserve maintenance payments, and deposit in the Junior Indebtedness Fund; or (b) 1.20X aggregate debt service. As a matter of policy, the Authority requires net revenues to provide at least 1.50X debt service coverage. State approval is not required to increase tolls.

Senior Debt Service Reserve Fund

 Required to be maintained at MADS. Requirement may be met with a reserve credit facility/surety bond.

Additional Bonds Test

The Authority may issue additional parity General Revenue Bonds payable from the Senior Debt Service Fund. It may also issue Junior Bonds for facilities or other Authority projects payable from the Junior Indebtedness Fund and subordinated bonds. Bonds may be issued in several categories, each of which has a separate net revenue requirement. Additional bonds for facilities can be issued in the event net revenues for any period of 12 consecutive months out of the last 18 months preceding the issuance of the bonds provides the greater of 1) aggregate debt service, deposits to the Senior Debt Service Reserve Fund, reserve maintenance payments and deposits in the Junior Indebtedness Fund and 2) 1.2x the sum of the Aggregate Debt Service.



Highway and Bridge Trust Fund Bonds

Moody's NR S&P AA+ Fitch AA+

Purpose

 Bond proceeds are used to reimburse the State for expenditures made by the Department of Transportation to construct, repair, and rehabilitate the State's highways, parkways, and bridges.

Bonds Outstanding

\$587 million as of December 31, 2021

Debt Service Reserve Fund

None.

Anticipated Borrowings

None specified.

Additional Bonds Test

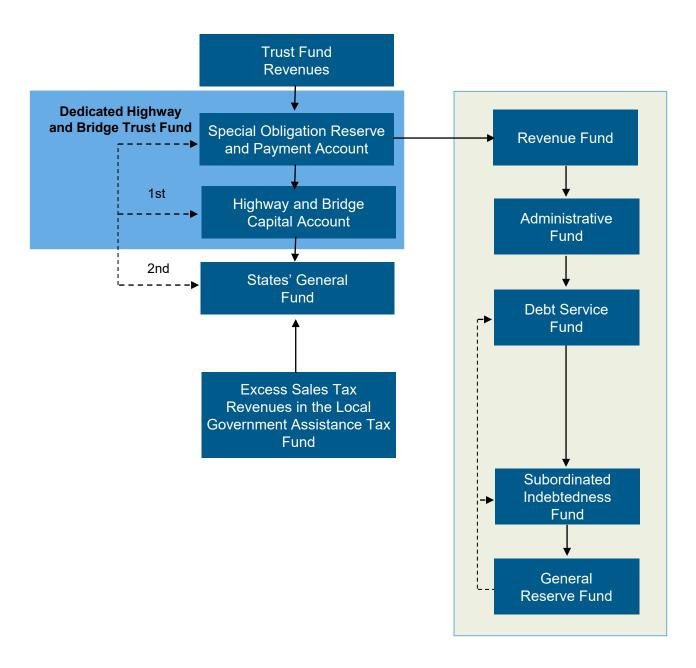
Additional Bonds may be issued on a parity with the outstanding Bonds only if Trust Fund revenues for any 12 consecutive months ended not more than 6 months prior to the date of such calculation, less expenses related to the State's capital program for the current State Fiscal Year, shall be at least 2.0x Aggregate Debt Service on all outstanding Bonds and Additional Bonds to be issued.

Security (cont.)

- The bonds are secured by a pledge of Cooperative Agreement Payments made by the State to the Authority from funds in the Dedicated Highway and Bridge Trust Fund. The payments are a statutory allocation of taxes and fees imposed on petroleum businesses, motor fuel, highway use, motor vehicles, and auto rentals. The payments are subject to annual appropriation by the State Legislature.
- The Trust Fund consists of two accounts, the Special Obligation Reserve and Payment Account (SORPA) and the Highway and Bridge Capital Account (HBCA). The revenues are deposited first in the SORPA and shall be used by the Comptroller to make payments. The amounts certified are required to be sufficient to cover debt service and Authority expenses. After making the payment, excess funds can be transferred to the HBCA.
- In the event the payments are not appropriated, all revenues must remain in the SORPA and not be transferred to the HBCA. In addition, the Comptroller would be prohibited from paying over or distributing any excess revenues in the Local Government Assistance Tax Fund to the State's General Fund.



Flow of Funds Highway and Bridge Trust Fund Bonds (cont.)



Source: Official Statement Chart for illustrative purposes only



The Port Authority of New York and New Jersey

Consolidated Bonds

Purpose

 Bond proceeds are generally issued to construct, reconstruct, or improve existing and proposed Authority facilities. The Port Authority serves a district comprising an area of about 1,500 square miles located in New Jersey and New York State, centering around New York Harbor. The Port Authority operates two tunnels, four bridges, four airports, bus programs, a bus terminal, a heliport, six marine terminals, as well as several other facilities. Moody's Aa3 S&P AA- Fitch AA-

Security

The bonds are secured by a pledge of the Authority's net revenues, which are derived from the operation of all the Authority's facilities. Neither the State of New York or New Jersey have granted any form of guarantee to the Authority's bonds.

Bonds Outstanding

\$25.0 billion as of December 31, 2022

Tax Exemption

In addition to being federally tax exempt, interest on the bonds is exempt from taxation in both New York and New Jersey.



The Port Authority of New York and New Jersey

Consolidated Bonds (cont.)

Debt Service Reserve Fund

The Authority maintains two reserve funds: The General Reserve Fund and the Consolidated Bond Reserve Fund. Both are funded from surplus net revenues after payment of debt service. The General Reserve Fund is filled first, to an amount equal to 10% of the par value of bonds currently outstanding. It is available to pay debt service only on consolidated bonds. The Consolidated Bond Reserve Fund is to be funded with excess monies after the required payments. Monies in the Consolidated Reserve Fund are available to pay debt service on consolidated bonds, versatile structure obligations, commercial paper and variable rate master notes.

Moody's Aa3 S&P AA- Fitch AA-

Additional Bonds Test

None.

Anticipated Borrowings

 Estimated 2017-2026 issuance is \$11.3 billion.



Revenue Bonds

Purpose

 Bonds finance electric power generation and transmission facilities used to provide electric power and energy primarily to municipal and investor-owned utilities and rural electric cooperatives located throughout New York State and to industries, other businesses, and various public corporations within the New York City metropolitan area and certain out-of state customers. Moody's Aa2 S&P AA Fitch AA

Security

The bonds are payable from and secured by a senior lien pledge of the Trustee estate. Debt service is payable from operating revenues net of operating expenses.

Rate Covenant

The Authority shall maintain rates, fees, or charges sufficient, together with other monies available, to pay operating expenses of the Authority and debt service on all obligations.

Bonds Outstanding

\$1.6 billion as of June 30, 2022

Anticipated Borrowings

 Estimated issuance is \$350 million in 2026.

Debt Service Reserve Fund

Additional Bonds Test

None.

None.



General Obligation Bonds

Moody's Aa2 S&P AA Fitch AA

Purpose

 The City issues General Obligation bonds for various capital projects in areas such as facilities, education, and transportation.

Security

Full faith and credit of the City.

Bonds Outstanding

\$38.8 billion as of June 30, 2022

Anticipated Borrowings

 Estimated fiscal year 2024-2027 issuance is \$4.8 billion to \$6.3 billion annually.



New York City Health and Hospitals Corporation

Health System Bonds

Purpose

 The Bonds are issued to support the operations and facilities of the municipal hospital system of the City.

Bonds Outstanding

\$533 million as of June 30, 2022

Capital Reserve Fund

Must be maintained at MADS. In the event of a shortfall, the CRF must first be restored with HCRR, and if sufficient HCRR are unavailable, the Corporation shall annually request from the City an amount sufficient to restore the CRF to its requirement. The amount shall have been first appropriated by the City.

Moody's Aa3 S&P A+ Fitch AA-

Security

The bonds are a general obligation of the Corporation and secured by a pledge of Health Care **Reimbursement Revenues** (HCRR). These revenues constitute all revenues, income, receipts, and other revenues derived from the operation of the Health System. However, HCRR specifically does not include such items as reimbursement funds by the City of capital expenditures; revenues derived from MetroPlus; revenues derived from the operation of non-patient services facilities, gifts, grants and donations, and certain other items.

Anticipated Borrowings

None specified.

Additional Bonds Test

 Projected Net Cash Available for Debt Service for each of the two years following the issuance of the additional bonds will be at least 1.0X MADS of the outstanding debt and any proposed debt and projected HCRR will be at least 4.0X MADS.

Rate Covenant

 The Corporation is required to conduct its operations so that net cash available for debt service will not be less than 1.0X annual debt service.



New York City Transitional Finance Authority

Future Tax Secured Bonds

Moody's Aa1 S&P AAA Fitch AAA

Purpose

The Authority was created in 1997 to allow New York City to continue to finance its capital program without violating its general obligation debt limit.

Bonds Outstanding

Subordinate: \$43.1 billion as of June 30, 2022

Anticipated Borrowings

 Estimated fiscal year 2024-2027 issuance is \$4.8 billion to \$6.3 billion annually.

Additional Bonds Test

In order to issue additional bonds, personal income taxes and sales taxes for 12 consecutive months ended not more than two months prior to issuance must be at least 3.0x MADS of senior bonds and annual debt service of subordinate debt.

Security

- Bonds are secured by two revenue sources: personal income tax and sales tax revenues. The primary source is revenue from the personal income tax imposed by the City as authorized by the State on the income of City residents and nonresidents in the City. The secondary source is sales tax imposed by the City on the sales and use of personal property and services in the City. Sales tax revenues are available for debt service payment only if personal income tax is insufficient to provide at least 1.50x MADS.
- Senior debt is limited to \$12 billion outstanding at any time, subject to a \$330 million limit on debt service payable in any quarter. Total debt is limited to \$13.5 billion, but the Authority may exceed this limit by issuing subordinate debt, provided that the amount of such additional bonds, together with other City debt such as general obligation bonds, does not exceed the city's legal debt limit.



New York City Transitional Finance Authority

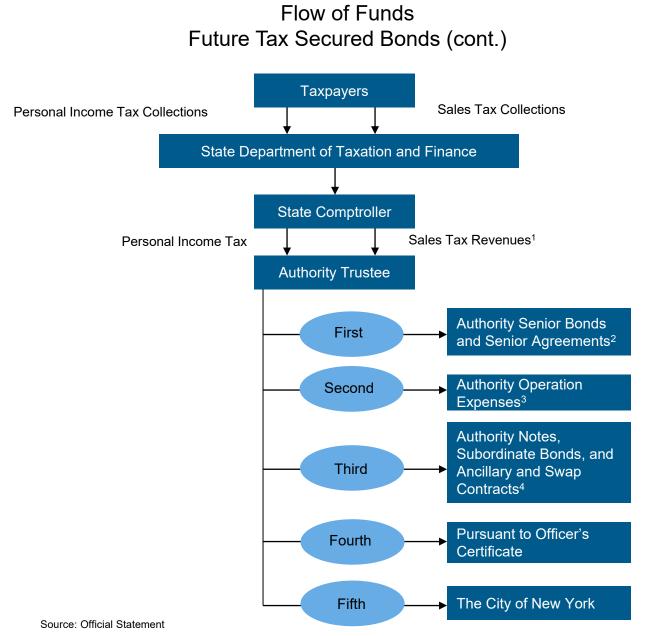


Chart for illustrative purposes

¹Sales tax revenues are available to the Authority only in the event that projected personal income tax revenues are less than 150% of maximum annual debt service on outstanding bonds of the Authority. For further information, see "Sales Tax."

²Tax revenues will be retained by the Trustee for the payment of senior debt service, in accordance with the retention procedures detailed below.

³After-tax revenues are retained by the Trustee for the payment of senior debt service, such tax revenues are paid to the Authority for its operating expenses.

⁴Excluding all items payable from state building aid. After payment of Authority operating expenses, tax revenues are applied for the benefit of noteholders (for interest only), subordinate bondholders, and parties to ancillary and swap contracts.



New York City Transitional Finance Authority

Building Aid Revenue Bonds

Purpose

 The Bonds are issued to fund the City's educational facilities capital plan.

Bonds Outstanding

\$8.1 billion as of June 30, 2022

Anticipated Borrowings

None specified.

Additional Bonds Test

The additional bonds test (ABT) requires 1.0x coverage of outstanding Bond debt service by confirmed building aid revenue in every year. This ABT does not rely on any future approval of City education capital projects or on the associated incremental building aid. It relies solely on approved projects for which the state has committed to provide a 30-year stream of building aid payments subject to annual appropriation. Moody's Aa2 S&P AA Fitch AA

Security

- In 2006, the TFA enabling act was amended pursuant to the School Financing Act to change the way the state provides support for the City's educational capital plan. Under the Act, the City assigns to the TFA all of the state building aid payable to the City.
- When a project goes into contract, the School Construction Authority submits it to the State Education Department (SED). The SED approval process establishes an "aidable cost" of the project and creates a 30-year amortization schedule. Once SED has approved the project, the state is statutorily required to provide a 30year stream of building aid payments, subject to annual appropriation. The stream of building aid payments is a function of both the aidable cost and the current funding ratio, and provides the security for the bonds. Although the state is able to vary the building aid ratio on a year-toyear basis, the state has covenanted not to impair the rights of the bondholders in any way.



Metropolitan Transportation Authority (MTA)

Dedicated Tax Fund Bonds

Purpose

Bond proceeds are used to finance the various capital programs of the Authority and its affiliates and their subsidiaries, which include the New York City Transit Authority, the Manhattan and Bronx Surface Transit Operating Authority, the Staten Island Rapid Transit Operating Authority, the Long Island Rail Road Company, and the Metro-North Commuter Railroad Company.

Bonds Outstanding

\$5.1 billion as of September 30, 2022

Debt Service Reserve Fund

None.

Anticipated Borrowings

None specified.

Moody's NR S&PAA Fitch AA

Security

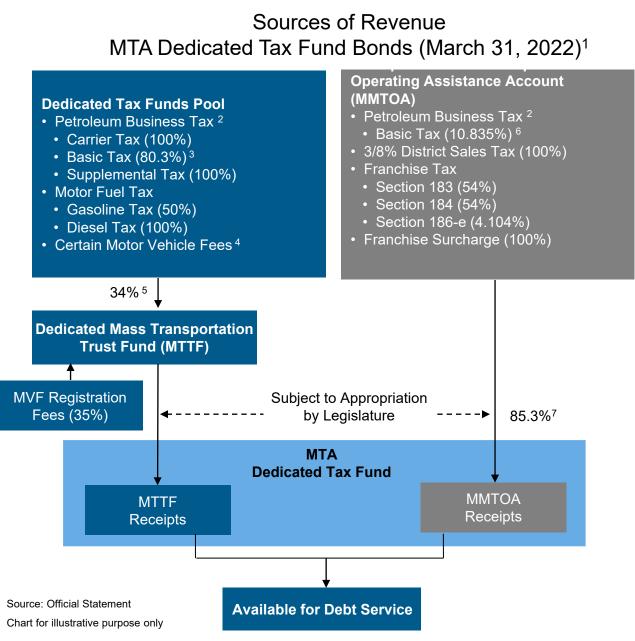
Bonds are secured by monies deposited into the MTA Dedicated Tax Fund, which are subject to annual appropriation by the State. Certain taxes flow through the **Dedicated Mass Transportation** Trust Fund ("MTTF") and the Metropolitan Mass Transportation Operating Assistance Account ("MMTOA") for deposit into the MTA Dedicated Tax Fund. These taxes include petroleum business taxes, the 3/8 district sales tax in New York City and surrounding suburban counties, motor tax, franchise taxes, and a temporary franchise surcharge levied on certain companies.

Additional Bonds Test

 Two-tiered test requires that for any 12 consecutive months ended within the prior six months: (1) MTTF receipts and investment income be at least equal to 1.35X MADS; and (2) MTTF receipts, MMTOA receipts, and investment income be at least 2.5X MADS.



Metropolitan Transportation Authority (MTA)



¹Parenthetical amounts and percentages, as well as flow of fund percentages, indicate the amount or percent of that tax or fund to be deposited for the year ending March 31, 2022 in the respective fund or account. The allocations shown may be changed at any time by the Legislature.

² Effective December 1, 2017, all receipts from aviation fuel will be directed to an aviation purpose account, from which no revenue is directed to MTTF or MMTOA. However, beginning in State Fiscal Year 2018-2019 the enacted statutory "hold-harmless" provision directs transfers from the State General Fund to MTTF and MMTOA Account. In State Fiscal year 2019-2020, these transfers totaled \$7.2mm of which \$4mm flowed to MTA's Dedicated Tax Fund as MTTF Receipts and \$1.6mm flowed to MMTOA Account for downstate transit systems including MTA. ³ In addition, the first \$7.5 million of the Basic Tax is appropriated to the Dedicated Tax Funds Pool.

⁴ Beginning with the State fiscal year 2014-2015, and each year thereafter, a portion of the State fiscal year 2013-2014 Motor Vehicle General Fund transfer of \$169.4 million has been replaced with a direct transfer of \$62.7 million from the State General Fund to the MTTF; \$57.7 million of such amount flows to the MTA Dedicated Tax Fund as MTTF Receipts as defined in the DTF Resolution.

⁵ Percentage of Dedicated Tax Funds Pool.

⁶ The remaining 8.865% share of the Basic Tax is deposited in an account for certain upstate transportation entities.

⁷ Percentage based upon appropriations for State fiscal year 2021-2022, including Section 18-b assistance.



Metropolitan Transportation Authority (MTA)

Transportation Revenue Bonds

Moody's A3 S&P BBB+ Fitch A-

Purpose

Bond proceeds are used primarily to make improvements to the mass transportation systems located within New York City, including the MTA's subsidiary, the New York City Transit Authority ("Transit Authority"), and its subsidiary, the Manhattan and Bronx Surface Transit Operating Authority ("MaBSTOA"). These two entities operate all subway transportation and most public bus transportation within the City.

Security

The bonds are secured by pledged revenues that include fare collections of the Transit Authority and the MaBSTOA; income from concessions and advertising; reimbursement by New York City for special fare programs; operating subsidies provided by New York State and New York City from their general funds; special tax-supported operating subsidies (petroleum business taxes, 1/4% sales and use tax within the service area, certain taxes imposed on particular companies, and certain transfer and recording taxes); and transfers from the Triborough Bridge and Tunnel Authority ("TBTA") operating surplus. Payment of debt service is senior to payment of operating and maintenance expenses.

Bonds Outstanding

\$22.5 billion as of September 30, 2022

Debt Service Reserve Fund

Anticipated Borrowings

None.

None specified.



Metropolitan Transportation Authority (MTA)

Transportation Revenue Bonds (cont.)

Additional Bonds Test

- MTA may issue additional debt without meeting any specific debt service coverage level, as long as MTA certifies to meeting the Rate Covenant for the year in which the additional debt is being issued.
- MTA may only issue additional Transportation Revenue Bonds if those bonds are issued to fund projects pursuant to an approved MTA Capital Program, if an approved capital program is then required. There is no covenant limiting the aggregate principal amount of revenue anticipation notes or additional Transportation Revenue Bonds or Parity Debt that MTA may issue so long as the total amount outstanding conforms to the statutory limit as set from time to time by the state legislature.

Moody's A3 S&P BBB+ Fitch A-

Rate Covenant

The Transit Authority and the MaBSTOA must fix and collect fares, fees, rentals, and other charges that, together with other available monies, will be sufficient to pay debt service, maintain reserves at required levels and pay all operating and maintenance expenses and other obligations.



General Purpose Revenue Bonds

Purpose

 Bonds are issued to improve, rehabilitate, and reconstruct various facilities of the TBTA, including toll bridges and tunnels in New York City, the Battery Parking Garage, and the Coliseum. The Authority is an affiliate of the MTA and operates as the MTA Bridges and Tunnels.

Bonds Outstanding

- Senior Lien \$8.5 billion as of September 30, 2022
- Subordinate Lien \$795 million as of September 30, 2022

Debt Service Reserve Fund

None.

Moody's Aa3 S&P AA- Fitch AA-

Security

Bonds are secured by net revenues collected on the bridges and tunnels operated by the MTA Bridges and Tunnels. These net revenues represent gross revenues generated from seven bridges and two tunnels, less O&M and ordinary repair, replacement, and reconstruction expenses. The TBTA is required by law to transfer amounts released from the General Fund to the MTA, and a statutory formula determines how the MTA allocates that money between the transit and commuter systems.

Anticipated Borrowings

 Estimated Fiscal Year 2024-2026 issuance is \$611 million to \$652 million annually.

Additional Bonds Test

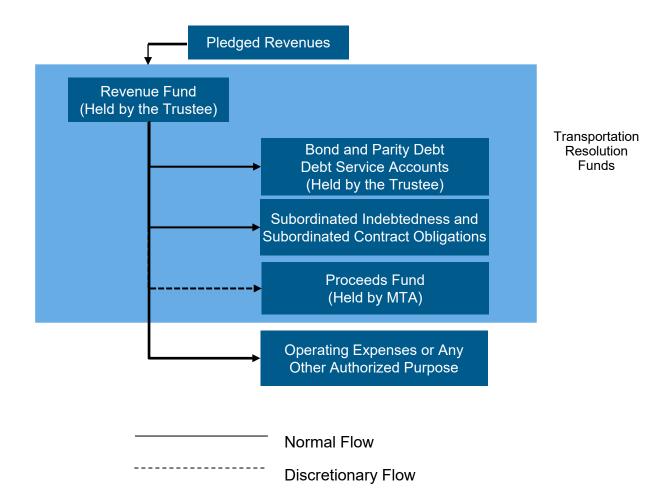
Additional parity bonds may be issued to improve or rehabilitate a facility or to prevent a loss of revenue from a facility without meeting any coverage test. For all other new money bonds, an authorized officer must certify that the historical 12-month period net revenue is at least 1.40X MADS on all senior lien bonds and proposed debt.

Rate Covenant

Revenues must be sufficient to pay all operating expenses, pay calculated debt service as well as debt service on all subordinated indebtedness and maintain any reserves. In addition, revenues less operating expenses shall equal at least 1.25X calculated debt service on all senior lien bonds.



Flow of Funds General Purpose Revenue Bonds (cont.)



Source: Official Statement Chart for illustrative purposes only



Payroll Mobility Tax Senior Lien Bonds

Purpose

- Bonds are issued to retire MTA BANs, refund MTA Transportation Revenue Bonds, and provide financing for TBTA capital projects.
- Although the Bonds are issued by the TBTA, the MTA also has authority to issue PMT senior lien bonds on a parity basis, but is only authorized to issue working capital bonds, and any future issuance by MTA of bonds for capital purposes would first require the approval of the State's Capital Program Review Board.

Bonds Outstanding

\$6.7 billion as of September 30, 2022

Debt Service Reserve Fund

None.

Additional Bonds Test

 An authorized officer must certify that the historical 12-month period pledged revenue is at least 2.25X MADS on all TBTA and MTA senior lien Bonds and proposed debt.

Rate Covenant

None.

Moody's NR S&P AA+ Fitch AA+

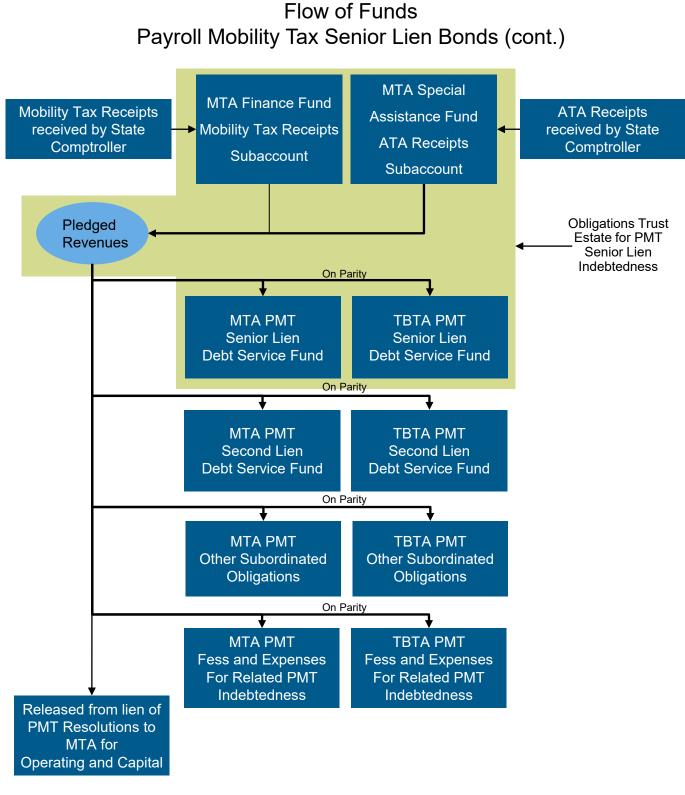
Security

The Bonds are secured by pledged revenues consisting of PMT and Aid Trust Account (ATA) revenues. These pledged revenues become subject to a statutory lien immediately when transferred from the state comptroller to the MTA. PMT revenues consist of up to a maximum 0.34% tax collected from certain employers within the Metropolitan Commuter Transportation District (MCTD), which encompasses New York City's five boroughs and Dutchess, Nassau, Orange, Putnam, Rockland, Suffolk, and Westchester counties. ATA revenues consist of driver's license fees, auto registration fees, taxicab taxes, and auto rental taxes levied within the MCTD. The pledged revenues are not subject to appropriation and there is no sunset or renewal requirement on the revenues.

Anticipated Borrowings

\$966 million in Fiscal Year 2024.





Source: Official Statement Chart for illustrative purposes only



Sales Tax Revenue Bonds

Purpose

The Bonds are authorized under the 2019 MTA Reform and Traffic Mobility Act as part of the broader plan to establish a congestion pricing toll system for vehicular access to Manhattan south of 60th Street, designated as the central business district (CBD). The Bonds are issued to fund capital costs for the CBD tolling program, as well as for projects included in the MTA capital programs.

Anticipated Borrowings

 Estimated issuance in Fiscal Years 2024-2026 is \$673 million, \$4.0 billion, and \$5.5 billion, respectively.

Security

- The Bonds are secured by pledged revenues consisting of a statutory allocation withheld NYC's total sales tax collections. The statutory allocation was fixed at \$170 million in Fiscal Year 2021 and increases 1% annually thereafter.
- Pledged revenue becomes subject to a statutory lien immediately when transferred from the state comptroller to the CBD tolling program lockbox. The state comptroller transfers to the lockbox equal monthly installments of pledged revenue, which are not subject to appropriation.

Moody's NR S&P AA+ Fitch AAA

Security (cont.)

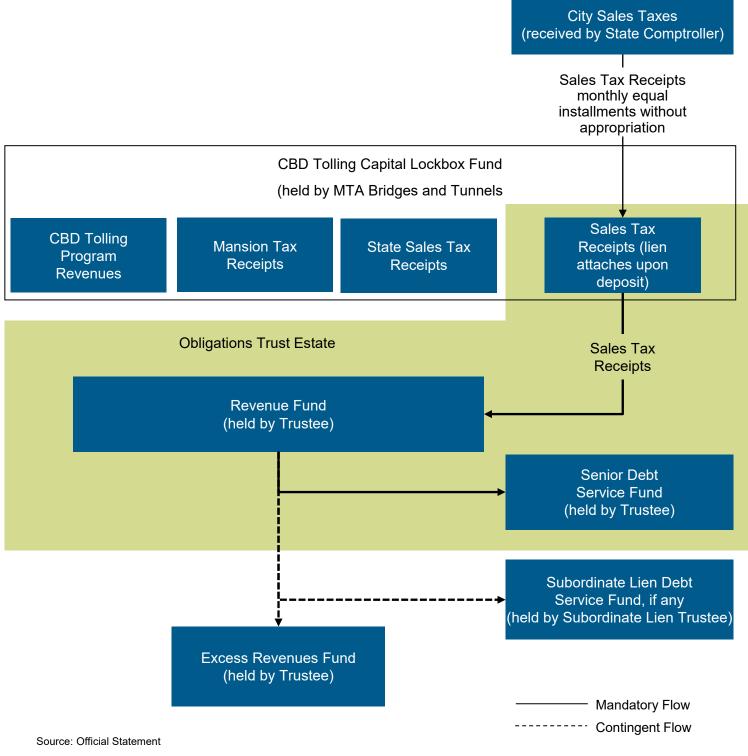
- The lockbox is a subaccount held in trust and not commingled with other TBTA money. Pledged revenue in the lockbox is unavailable for MTA operations and, after payment of debt service, may be used only for purposes permitted under the statute including for CBD tolling program capital or operating costs and the MTA capital programs.
- The TBTA has covenanted not to create a more senior lien on the statutory allocation, and the resolution only allows for the issuance of fixed-rate debt.
- City sales taxes collected by the state are subject to a time-limited additional claim. An annual \$150 million is distributed quarterly to the New York State Agency Trust Fund, Distressed Provider Assistance Account, to support financially distressed hospitals and nursing homes. The quarterly distributions cease in Fiscal Year 2025.
- Additionally, the NYC Transitional Finance Authority has a contingent claim on city sales tax receipts on behalf of Future Tax Secured Bonds, to the extent personal income tax collections are projected to be insufficient to cover MADS by 1.5x.

Bonds Outstanding

 \$700 million as of September 30, 2022



Flow of Funds Sales Tax Revenue Bonds (cont.)



- 6 (**-**

Chart for illustrative purposes only

New York City Municipal Water Finance Authority

Water and Sewer System Revenue Bonds

First GR: Moody's Aa1 S&P AAA Fitch AA+ Second GR: Moody's Aa1 S&P AA+ Fitch AA+

Purpose

Bond proceeds are used to finance capital improvements to the water and sewer system utilized by most of New York City and four upstate counties, and to refund GO debt of NYC used for water or sewer purposes.

Bonds Outstanding

- First GR \$790 million as of June 30, 2022
- Second GR \$30.7 billion as of June 30, 2022

Debt Service Reserve Fund

 First GR DSRF is required to be funded to the level of MADS.
 Second GR Bonds have no DSRF.

Additional Bonds Test

The Authority may issue additional bonds if: (a) revenues for either of the last two years were at least 1.15X aggregate debt service and 1.0X operating expenses and required deposits for the year; and (b) revenues for the year in which additional bonds are issued and each of the five years following issuance are projected to be at least 1.15X MADS and 1.0X operating expenses and required deposits for such years.

Security

The bonds are issued under the Authority's General Resolution (GR) and are secured by and payable from the gross revenues of the water and sewer system, prior to payment of system O&M costs or other expenses. All gross revenues of the system are deposited with the trustee on a daily basis until the monthly requirements for debt service, Authority expenses, the Debt Service Reserve, and subordinated indebtedness are met. Lease payments due to the City are subordinated in the flow of funds. The Second GR bonds are secured by a second lien on gross revenues.

Anticipated Borrowings

 Estimated fiscal year 2024-2027 issuance is \$1.4 billion to \$2.4 billion annually.

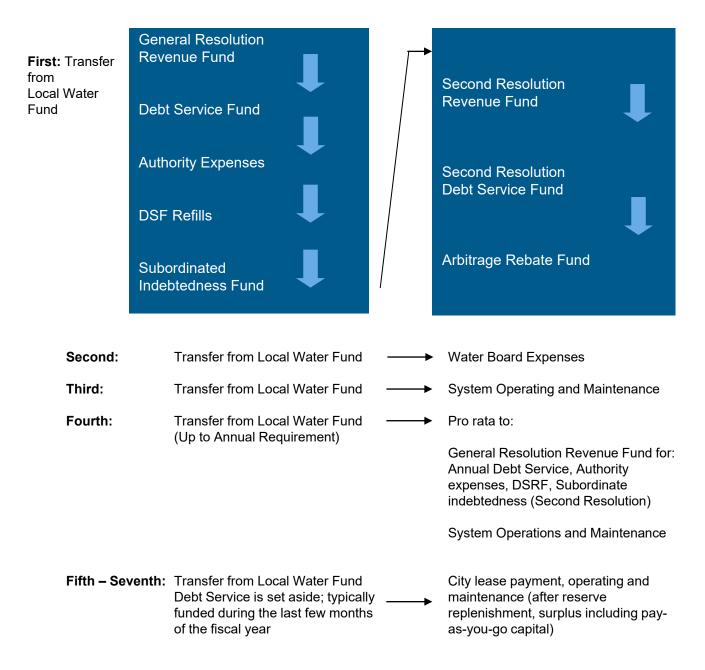
Rate Covenant

The Board covenants to set rates such that revenues will be at least 1.15X annual debt service and 1.0X operating expenses and the required deposits will be to specific funds.



New York City Municipal Water Finance Authority

Flow of Funds Water and Sewer System Revenue Bonds (cont.)



Source: Official Statement Chart for illustrative purposes only



Hudson Yards Infrastructure Corporation

Second Indenture Revenue Bonds

Purpose

The project consists of extension of the subway line, construction of a system of parks, public open spaces and streets in the project area and the acquisition of certain development rights over the Eastern Rail Yard from the TBTA. The construction of this infrastructure will support planned development of commercial and residential properties on the west side of Manhattan.

Additional Bond Test

 Additional bonds may be issued if recurring revenues for the immediately preceding Fiscal Year are at least equal to 125% of MADS on outstanding bonds, or if such bonds are issued for refunding purposes, then recurring revenues must be at least equal to MADS, after giving effect to the issuance of such refunding bonds.

Bonds Outstanding

\$2.5 billion as of June 30, 2022

Moody's Aa2 S&P AA- Fitch AA-

Security

The bonds are special obligations of HYIC secured by and payable solely from (i) recurring revenues that include payments in lieu of taxes (PILOTs) and tax equivalency payments (TEPs), and (ii) nonrecurring revenues that include payments in lieu of mortgage recording taxes; density bonus payments; and certain future development revenue derived from the development potential of the eastern rail yards owned by the MTA. Recurring revenue PILOTs are paid by commercial office property owners directly to HYIC and TEPs are paid by residential, hotel, and other commercial properties to New York City, which has agreed to pay them to HYIC through a support agreement. The city's obligation to pay the TEPs to HYIC is absolute and unconditional, subject to appropriation.

Debt Service Reserve Fund

None.



New York Liberty Development Corporation

Revenue Bonds (Goldman Sachs Headquarters Issue)

Moody's A2 S&P BBB+ Fitch A

Purpose

 To finance the construction of the new headquarters of the Goldman Sachs Group, Inc., located in Battery Park City.

Bonds Outstanding

\$1.497 billion as of December 31, 2022

Security

- The bonds are secured solely by revenues pledged under the loan and trust agreement, which will consist primarily of loan payments paid by Goldman Sachs Headquarters LLC ("Borrower"). The Borrower is obligated to make payments that will equal the amount of principal and interest on the bonds. Furthermore, the Goldman Sachs Group, Inc., will guarantee the payment obligations of the Borrower. The guaranty is an unsecured obligation of the guarantor.
- The bonds are not secured by any lien or mortgage on or other security interest in the project.

Debt Service Reserve Fund

None.



Long Island Power Authority (LIPA)

Electric System General Revenue Bonds

Moody's A2 S&P A Fitch A

Purpose	Security
 LIPA owns the electric transmission and distribution system on Long Island. As of January 2014, the Public Service Enterprise Group (PSEG), a New Jersey-based utility, operates and maintains LIPA's transmission and distribution system. 	The bonds are secured by the Trust Estate, consisting primarily of revenues generated by LIPA.

Bonds Outstanding

\$5.0 billion as of September 30, 2022

Additional Bonds Test

 There is no historical coverage test for additional bonds.

Debt Service Reserve Fund

Anticipated Borrowings

None specified.

Rate Covenant

None

 Revenues available for debt service must be at least 1.0X senior debt service and 1.0X all debt service.



Utility Debt Securitization Authority (UDSA)

Restructuring Bonds

Purpose

- The law created UDSA solely to purchase (from the Long Island Power Authority, or LIPA), and own the Restructuring Property, to issue the Bonds which are secured by the Restructuring Property, and to perform any activity incidental thereto; the issuer has no commercial operations.
- LIPA used the proceeds from the sale of its Restructuring Property to retire certain of its outstanding debt, and acts as the servicer of the Restructuring Property under a servicing agreement with UDSA.

Bonds Outstanding

\$3.9 billion as of September 30, 2022

Additional Bonds Test

 There is no historical coverage test for additional bonds.

Rate Covenant

None.

Moody's Aaa S&P AAA Fitch AAA

Security

Under the state law that created UDSA, LIPA issued an irrevocable financing order authorizing the creation of the Restructuring Property, which grants UDSA the irrevocable right to impose, bill and collect Restructuring Charges based on electricity usage from all of LIPA's existing and future retail electric customers, including a mandatory uncapped true-up mechanism that periodically adjusts the charges to ensure timely bond payments until the bonds are repaid in full.

Debt Service Reserve Fund

Required to be maintained at the greater of (a) 1.5% of the aggregate principal amount of bonds then outstanding minus the minimum principal amount of bonds from the Expected Amortization Schedule expected to be retired on any payment date subsequent to such date of calculation and (b) \$0.

Anticipated Borrowings

None specified.



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In general, the bond market is volatile, and fixed income securities carry interest rate risk. (As interest rates rise, bond prices usually fall, and vice versa. This effect is usually more pronounced for longer-term securities). Fixed income securities also carry inflation risk, liquidity risk, call risk and credit and default risks for both issuers and counterparties. Lower-quality fixed income securities involve greater risk of default or price changes due to potential changes in the credit quality of the issuer. Any fixed-income security sold or redeemed prior to maturity may be subject to loss. Any fixed income security sold or redeemed prior to maturity may be subject to a substantial gain or loss.

Diversification does not ensure a profit or guarantee against a loss. Interest income earned from tax-exempt municipal securities generally is exempt from federal income tax, and may also be exempt from state and local income taxes if you are a resident in the state of issuance. A portion of the income you receive may be subject to federal and state income taxes, including the federal alternative minimum tax. In addition, you may be subject to tax on amounts recognized in connection with the sale of municipal bonds, including capital gains and "market discount" taxed at ordinary income rates. "Market discount" arises when a bond is purchased on the secondary market for a price that is less than its stated redemption price by more than a statutory amount. Before making any investment, you should review the official statement for the relevant offering for additional tax and other considerations.

The municipal market can be adversely affected by tax, legislative, or political changes and the financial condition of the issuers of municipal securities. Investing in municipal bonds for the purpose of generating taxexempt income may not be appropriate for investors in all tax brackets or for all account types. Tax laws are subject to change and the preferential tax treatment of municipal bond interest income may be revoked or phased out for investors at certain income levels. You should consult your tax adviser regarding your specific situation.

Investing in municipal bonds for the purpose of generating tax-exempt income is generally more beneficial the higher an investor's tax bracket. Tax-advantaged accounts such as IRAs and 401(k)s are generally not appropriate for holding tax-exempt municipal securities.

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