

Bond Rating and Debt Reports Covering Fiscal Year 2024

FitchRatings

Additional Rating Details

RATED ENTITY/ DEBT	RATING TYPE	RATING	RATING ACTION	IDENTIFIERS	OTHER DETAILS	CONTACTS
SECURITY: BOND: Metropolitan Transportation Authority (NY) transp rev bonds (floating rate tender notes) ser 2012A-2 (LOC: Bank of Montreal)	Long Term Rating	AAA Rating Outlook Stable PRIOR: AA+ Rating Outlook Stable RATING RATIONALE	Upgrade	CUSIP: 59261AZD2	COUNTRY: UNITED STATES SECTOR: Special District Obligations CURRENCY: USD	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst Mario Civico
SECURITY: BOND: Metropolitan Transportation Authority (NY) transp rev var rate rfdg bonds (floating rate tender notes) ser subseries 2012G-1 (LOC: Barclays Bank plc)	Long Term Rating	AAA Rating Outlook Stable PRIOR: AA Rating Outlook Stable RATING RATIONALE	Upgrade	CUSIP: 59261AB22	COUNTRY: UNITED STATES SECTOR: Special District Obligations CURRENCY: USD	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst Mario Civico
SECURITY: BOND: Metropolitan Transportation Authority (NY) transp rev var rate rfdg bonds (floating rate tender notes) ser subseries 2012G-2 (LOC: TD Bank, N.A.)	Long Term Rating	AAA Rating Outlook Stable PRIOR: AA+ Rating Outlook Stable RATING RATIONALE	Upgrade	CUSIP: 59259Y7S2	COUNTRY: UNITED STATES SECTOR: Special District Obligations CURRENCY: USD	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst Mario Civico

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SECURITY: BOND: Metropolitan Transportation Authority (NY) transp rev var rate rfdg bonds (floating rate tender notes) ser subseries 2012G-4 (LOC: Bank of Montreal)	Long Term Rating	AAA Rating Outlook Stable PRIOR: AA+ Rating Outlook Stable RATING RATIONALE	Upgrade	CUSIP: 59261AS65	COUNTRY: UNITED STATES SECTOR: Special District Obligations CURRENCY: USD	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst Mario Civico
SECURITY: BOND: Metropolitan Transportation Authority (NY) transp rev var rate rfdg bonds ser 2020B-1 (LOC: PNC Bank, National Association)	Long Term Rating	AAA Rating Outlook Stable PRIOR: AA Rating Outlook Stable RATING RATIONALE	Upgrade	CUSIP: 59261AL70	COUNTRY: UNITED STATES SECTOR: Special District Obligations CURRENCY: USD	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst Mario Civico
SECURITY: BOND: Metropolitan Transportation Authority (NY) transp rev var rate rfdg bonds ser 2020B-2 (LOC: PNC Bank, National Association)	Long Term Rating	AAA Rating Outlook Stable PRIOR: AA Rating Outlook Stable RATING RATIONALE	Upgrade	CUSIP: 59261AN37	COUNTRY: UNITED STATES SECTOR: Special District Obligations CURRENCY: USD	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst Mario Civico
SECURITY: BOND: Metropolitan Transportation Authority (NY) transp rev var-rate bonds sub ser 2005D-2 (LOC: Bank of Montreal)	Long Term Rating	AAA Rating Outlook Stable PRIOR: AA+ Rating Outlook Stable RATING RATIONALE	Upgrade	CUSIP: 59261AS57	COUNTRY: UNITED STATES SECTOR: Special District Obligations CURRENCY: USD	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst Mario Civico
SECURITY: BOND: Metropolitan Transportation Authority (NY) transp rev var-rate	Long Term Rating	AAA Rating Outlook Stable PRIOR: AA Rating Outlook Stable RATING RATIONALE	Upgrade	CUSIP: 59261AM38	COUNTRY: UNITED STATES SECTOR: Special District Obligations CURRENCY: USD	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst

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(LOC: Bank of

SECURITY: BOND: Metropolitan Transportation Authority (NY) transp rev var-rate bonds sub ser 2005E-2 (LOC: Bank of America, N.A.)	Long Term Rating	AAA Rating Outlook Stable PRIOR: AAA Rating Outlook Stable RATING RATIONALE	Affirmed	CUSIP: 59261ASD0	COUNTRY: UNITED STATES SECTOR: Special District Obligations CURRENCY: USD	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst Mario Civico
SECURITY: BOND: Metropolitan Transportation Authority (NY) transp rev var-rate bonds sub ser 2015E-1 (LOC: Barclays Bank plc)	Long Term Rating	AAA Rating Outlook Stable PRIOR: AA Rating Outlook Stable RATING RATIONALE	Upgrade	CUSIP: 59261AM53	COUNTRY: UNITED STATES SECTOR: Special District Obligations CURRENCY: USD	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst Mario Civico
SECURITY: BOND: Metropolitan Transportation Authority (NY) transprev var-rate bonds sub ser 2015E-3 (LOC: Bank of America, N.A.)	Long Term Rating	AAA Rating Outlook Stable PRIOR: AAA Rating Outlook Stable RATING RATIONALE	Affirmed	CUSIP: 59261AWK9	COUNTRY: UNITED STATES SECTOR: Special District Obligations CURRENCY: USD	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst Mario Civico
SECURITY: BOND: Metropolitan Transportation Authority (NY) transp var-rate rev rfdg bonds ser 2002G-1g (LOC: TD Bank, N.A.)	Long Term Rating	AAA Rating Outlook Stable PRIOR: AA+ Rating Outlook Stable RATING RATIONALE	Upgrade	CUSIP: 59259Y7Q6	COUNTRY: UNITED STATES SECTOR: Special District Obligations CURRENCY: USD ORIG BALANCE: 200,000,000	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst Mario Civico
SECURITY: BOND: Massachusetts Health & Educational Facilities Authority (MA) (Baystate Medical Center Issue) rev bonds ser K-2 (2009)	Long Term Rating	AA Rating Outlook Stable PRIOR: AA Rating Outlook Stable RATING RATIONALE	Affirmed	CUSIP: 57586EKA8	COUNTRY: UNITED STATES SECTOR: Hospital CURRENCY: USD	Primary Rating Analyst Joseph Staffa Secondary Rating Analyst Mario Civico

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RATING ACTION COMMENTARY

Fitch Rates MTA, NY's \$1B TRB Rfd Ser 2024A 'AA'; Upgrades Outstanding to 'AA' on Criteria Change

Thu 07 Mar, 2024 - 3:18 PM ET

Fitch Ratings - New York - 07 Mar 2024: Fitch Ratings has assigned a rating of 'AA' to \$1 billion of transportation revenue refunding green bonds, series 2024A (climate bond certified) to be issued by the Metropolitan Transportation Authority, NY. The bonds are expected to price on March 18 and 19. Proceeds will refund certain of the MTA's outstanding transportation revenue bonds (TRBs) and the Triborough Bridge and Tunnel Authority's (TBTA) outstanding payroll mobility tax senior lien refunding bonds, subseries 2021A-2 (tax-exempt mandatory tender bonds) for debt service savings.

Concurrently, Fitch has upgraded the MTA's outstanding TRBs to 'AA' from 'A' based on review of the credit under Fitch's revised Government-Related Entities (GRE) Rating Criteria. The ratings have been removed from Under Criteria Observation (UCO).

Fitch has also assigned the MTA an 'AA' Issuer Default Rating (IDR) and assesses its Standalone Credit Profile (SCP) at 'bbb+'.

The Rating Outlook is Stable.

RATING ACTIONS

ENTITY/DEBT \$	RATING ♦	PRIOR \$
Metropolitan Transportation Authority (NY) [General Government]	LT IDR AA Rating Outlook Stable New Rating	
Metropolitan Transportation Authority (NY) /Issuer Default Rating - General Government/1 LT	LT AA Rating Outlook Stable New Rating	

Metropolitan
Transportation Authority
(NY) /Transportation
Revenues/1 LT

LT AA Rating Outlook Stable

Upgrade

A Rating Outlook Stable

VIEW ADDITIONAL RATING DETAILS

The upgrade of the TRB rating reflects application of Fitch's revised GRE criteria, which explicitly recognizes the likelihood of support from New York State (NYS) to the MTA. Under new criteria framework, Fitch has assessed the MTA's SCP at 'bbb+' representing our view of the MTA's creditworthiness absent extraordinary support from NYS, which, combined with a support score of 'extremely likely' under our GRE criteria, leads to an MTA IDR and TRB rating one notch below the NYS IDR (AA+/Stable).

SECURITY

The TRBs are backed by a gross lien on the MTA's operating revenues, which include, among other sources, fares received from the subway and bus systems operated by MTA New York City Transit and its subsidiary, the Manhattan and Bronx Surface Transit Operating Authority; the commuter railroads operated by MTA Long Island Rail Road (LIRR) and MTA Metro-North; and buses operated by MTA Bus. The TRBs are also backed by a gross lien on operating subsidies from NYS and New York City, as well as surplus from the operations of MTA Bridges and Tunnels.

KEY RATING DRIVERS

Support Score Assessment: 'Extremely Likely'

We consider that extraordinary support from NYS to MTA, a component unit of the state, would be extremely likely in case of need, reflecting a support score of 35 (out of a maximum 60) under Fitch's GRE criteria. This reflects a combination of various responsibility to support and incentive to support factor assessments as described below.

Responsibility to Support

Decision Making and Oversight: 'Strong'

As a component unit of NYS whose board members are appointed by the governor, the MTA's operational activities, financial performance and capital plan are subject to significant oversight and decision-making influence of the state. Although NYS does not have direct authority over the MTA operating or capital budget, it does have the authority to approve various dedicated tax revenues that account for a substantial portion of MTA resources. Fitch expects NYS to play an active role in the oversight of MTA functions in the event its financial situation was to deteriorate.

Precedent of Support: 'Very Strong'

NYS has demonstrated consistent and meaningful financial support to the MTA during prior periods of stress allowing the MTA to maintain a sufficiently strong financial profile. Evidence of NYS's support includes the recent increase in the maximum rate of the Payroll Mobility Tax (PMT). The PMT is projected to generate an additional \$1.1 billion in recurring revenues for the operating budget and significant subsidies for the capital plan, including congestion pricing, internet sales tax and mansion tax (the state temporarily authorized use of the latter two revenue sources for operating expenses during the pandemic).

Incentive to Support

Preservation of Government Policy Role: 'Strong'

The MTA operates strategically important assets that provide 24/7 service to a population of approximately 15 million within surrounding New York City, Long Island, southeastern NYS, and Connecticut. MTA's extensive transit and commuter network is larger than all other U.S. mass transit systems combined. Fitch believes that a failure of the MTA would have a direct material impact on public health and safety within its service area, in addition to economic activity across the state, region and nation along with significant political repercussions (the New York-Newark-New Jersey metropolitan statistical area accounts or for approximately 9% of the national economy).

Contagion Risk: 'Strong'

In Fitch's view, the MTA is among the most high-profile component unit debt issuers of NYS and one of the largest municipal debt issuers in the U.S. with approximately \$47 billion in debt outstanding. A default of MTA on its debt could disrupt the access and increase the cost of debt issued by NYS given its close governance linkage and history of fiscal support for the MTA.

Standalone Credit Profile

MTA's 'bbb+' SCP results from the combination of a 'stronger' revenue defensibility assessment, 'midrange' operating risk assessment and a financial profile assessed in the 'bbb' category, with a leverage ratio (net adjusted debt to funds available for debt service) expected to range from 12x to 14x in our stress/rating case scenario.

Revenue Defensibility - 'Stronger'

The strategic importance of the MTA transit and commuter systems and bridges and tunnels to the economy of the New York region is the cornerstone of the 'stronger' revenue defensibility assessment. MTA ridership is averaging approximately 70% of pre-pandemic trends and is tracking close to the midpoint forecast that underpins its financial plans.

The MTA has broad fare and toll rate-setting authority, which provides a mechanism to recover increased costs of service over time. The MTA is highly dependent on various dedicated tax revenues assessed on a broad range of activities unrelated to its functions, which mitigates price and demand risk to a degree. The

long-term rate of growth in dedicated taxes is solid but year-over-year performance remains sensitive to periods of high volatility beyond the MTA's control.

Operating Risk - 'Midrange'

The 'midrange' assessment reflects an expectation for ongoing labor cost pressures, including fringe benefits for existing and retired employees. Labor-related expenses are driven by contractually bargained agreements, which serve to limit the MTA's overall expenditure flexibility. Service reductions and layoffs are difficult to implement given prospects for consumer, political and labor pushback. The assessment also reflects the MTA's significant capital demands resulting in almost constant debt issuance pressures, which could become more acute if revenue from the MTA's congestion pricing plan are not realized.

Fitch expects the MTA to balance the need to fund safety and reliability investments against fluctuations in available resources for debt service. Debt service and retiree benefit costs have risen substantially over the past decade and are expected to remain a pressure on the operating budget. Fitch views capital planning and management as a negative consideration in the MTA's operating risk assessment given the history of lengthy project delays, sizable cost overruns and the substantial scope of critical investment needs and uncertain cost recovery from recurring resources.

Financial Profile - 'Midrange'

Fitch-adjusted leverage was a low 3.8x in 2022, reflecting the substantial amount of federal fiscal stimulus enhancing MTA's funds available for debt service (FADS), whereas leverage ranged from 8.0x to 13.0x over the five-year period ending 2019. In Fitch's stress/rating case scenario, the leverage ratio is expected to range from 12x to 14x, which is consistent with a midrange, 'bbb' assessment. The increasing leverage trend assumes the MTA will incur additional debt to finance the MTA's sizeable capital plan, which may be deferred or not incurred altogether. The liquidity profile is neutral to the overall assessment.

Asymmetric Additional Risk Considerations

Fitch assesses all asymmetric factors as 'neutral' to the rating.

RATING SENSITIVITIES

Factors that Could, Individually or Collectively, Lead to Negative Rating Action/Downgrade

- --Negative rating action on NYS.
- --The ratings could also be downgraded if the MTA's SCP is lowered to 'bb' (assuming no change in NYS's IDR). The SCP could be lowered due to expectations for Fitch-calculated leverage to rise above 15x on a sustained basis, which may be driven by the increase in leverage absent commensurate growth in MTA resources, and/or a revision of the revenue defensibility assessment to 'midrange' from 'stronger' due to declining demand or pricing characteristics including a sustained setback in ridership.

Factors that Could, Individually or Collectively, Lead to Positive Rating Action/Upgrade

-- Positive rating action on NYS.

--The ratings could also be upgraded if the MTA's SCP is raised to 'a+', which may be due to revenue and ridership projections that exceed the MTA forecast, resulting in expectations for improved leverage below 12x on a sustained basis.

PROFILE

The MTA is a component unit of NYS whose board consists of a chairperson and 16 voting members, 2 non-voting members and four alternate non-voting members. All board members are appointed by the NYS governor, some on the recommendation of city and county officials in the MTA service region. The chairperson is by statute also the CEO of the MTA and its related entities.

The MTA is the largest mass transit system in the U.S. by a wide margin. The MTA's operating agencies include New York City Transit, MTA Bus, Long Island Rail Road (LIRR), Metro-North Railroad, and Bridges and Tunnels. The subway system consists of more than 665 miles of track, serving 472 stations across the boroughs of Manhattan, Brooklyn, Queens, and the Bronx, and it operates 24 hours a day, seven days a week. The MTA bus fleet includes over 5,850 buses that provide local and express service. The LIRR covers more than 526 miles of track that spans Manhattan's Penn Station and Grand Central Madison to the easternmost tip of Long Island. Metro-North connects commuters from the northern suburbs of New York City, extending into NYS and Connecticut covering over 880 route miles. Bridges and Tunnels operates seven bridges and two tunnels in New York City, including the Hugh L. Carey Tunnel, the Queens Midtown Tunnel, the Verrazzano-Narrows Bridge, the Queens Midtown Tunnel, and the Robert F. Kennedy (Triborough) Bridge, among others.

Sources of Information

The principal sources of information used in the analysis are described in the Applicable Criteria.

REFERENCES FOR SUBSTANTIALLY MATERIAL SOURCE CITED AS KEY DRIVER OF RATING

The principal sources of information used in the analysis are described in the Applicable Criteria.

ESG CONSIDERATIONS

The highest level of ESG credit relevance is a score of '3', unless otherwise disclosed in this section. A score of '3' means ESG issues are credit-neutral or have only a minimal credit impact on the entity, either due to their nature or the way in which they are being managed by the entity. Fitch's ESG Relevance Scores are not inputs in the rating process; they are an observation on the relevance and materiality of ESG factors in the rating decision. For more information on Fitch's ESG Relevance Scores, visithttps://www.fitchratings.com/topics/esg/products#esg-relevance-scores.

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APPLICABLE CRITERIA

U.S. Public Sector, Revenue-Supported Entities Rating Criteria (pub. 12 Jan 2024) (including rating assumption sensitivity)

Government-Related Entities Rating Criteria (pub. 12 Jan 2024)

ADDITIONAL DISCLOSURES

Dodd-Frank Rating Information Disclosure Form

Solicitation Status

Endorsement Policy

ENDORSEMENT STATUS

Metropolitan Transportation Authority (NY)

EU Endorsed, UK Endorsed

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relevant criteria and/or industry standards to provide financial metric consistency for entities in the same sector or asset class.

The complete span of best- and worst-case scenario credit ratings for all rating categories ranges from 'AAA' to 'D'. Fitch also provides information on best-case rating upgrade scenarios and worst-case rating downgrade scenarios (defined as the 99th percentile of rating transitions, measured in each direction) for international credit ratings, based on historical performance. A simple average across asset classes presents best-case upgrades of 4 notches and worst-case downgrades of 8 notches at the 99th percentile. Sector-specific best- and worst-case scenario credit ratings are listed in more detail at https://www.fitchratings.com/site/re/10238496

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Metropolitan Transportation Authority (NY) /Issuer Default Rating - General Government/1 LT	LT AA Rating Outlook Stable New Rating	

Metropolitan
Transportation Authority
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In Fitch's view, the MTA is among the most high-profile component unit debt issuers of NYS and one of the largest municipal debt issuers in the U.S. with approximately \$47 billion in debt outstanding. A default of MTA on its debt could disrupt the access and increase the cost of debt issued by NYS given its close governance linkage and history of fiscal support for the MTA.

Standalone Credit Profile

MTA's 'bbb+' SCP results from the combination of a 'stronger' revenue defensibility assessment, 'midrange' operating risk assessment and a financial profile assessed in the 'bbb' category, with a leverage ratio (net adjusted debt to funds available for debt service) expected to range from 12x to 14x in our stress/rating case scenario.

Revenue Defensibility - 'Stronger'

The strategic importance of the MTA transit and commuter systems and bridges and tunnels to the economy of the New York region is the cornerstone of the 'stronger' revenue defensibility assessment. MTA ridership is averaging approximately 70% of pre-pandemic trends and is tracking close to the midpoint forecast that underpins its financial plans.

The MTA has broad fare and toll rate-setting authority, which provides a mechanism to recover increased costs of service over time. The MTA is highly dependent on various dedicated tax revenues assessed on a broad range of activities unrelated to its functions, which mitigates price and demand risk to a degree. The

long-term rate of growth in dedicated taxes is solid but year-over-year performance remains sensitive to periods of high volatility beyond the MTA's control.

Operating Risk - 'Midrange'

The 'midrange' assessment reflects an expectation for ongoing labor cost pressures, including fringe benefits for existing and retired employees. Labor-related expenses are driven by contractually bargained agreements, which serve to limit the MTA's overall expenditure flexibility. Service reductions and layoffs are difficult to implement given prospects for consumer, political and labor pushback. The assessment also reflects the MTA's significant capital demands resulting in almost constant debt issuance pressures, which could become more acute if revenue from the MTA's congestion pricing plan are not realized.

Fitch expects the MTA to balance the need to fund safety and reliability investments against fluctuations in available resources for debt service. Debt service and retiree benefit costs have risen substantially over the past decade and are expected to remain a pressure on the operating budget. Fitch views capital planning and management as a negative consideration in the MTA's operating risk assessment given the history of lengthy project delays, sizable cost overruns and the substantial scope of critical investment needs and uncertain cost recovery from recurring resources.

Financial Profile - 'Midrange'

Fitch-adjusted leverage was a low 3.8x in 2022, reflecting the substantial amount of federal fiscal stimulus enhancing MTA's funds available for debt service (FADS), whereas leverage ranged from 8.0x to 13.0x over the five-year period ending 2019. In Fitch's stress/rating case scenario, the leverage ratio is expected to range from 12x to 14x, which is consistent with a midrange, 'bbb' assessment. The increasing leverage trend assumes the MTA will incur additional debt to finance the MTA's sizeable capital plan, which may be deferred or not incurred altogether. The liquidity profile is neutral to the overall assessment.

Asymmetric Additional Risk Considerations

Fitch assesses all asymmetric factors as 'neutral' to the rating.

RATING SENSITIVITIES

Factors that Could, Individually or Collectively, Lead to Negative Rating Action/Downgrade

- --Negative rating action on NYS.
- --The ratings could also be downgraded if the MTA's SCP is lowered to 'bb' (assuming no change in NYS's IDR). The SCP could be lowered due to expectations for Fitch-calculated leverage to rise above 15x on a sustained basis, which may be driven by the increase in leverage absent commensurate growth in MTA resources, and/or a revision of the revenue defensibility assessment to 'midrange' from 'stronger' due to declining demand or pricing characteristics including a sustained setback in ridership.

Factors that Could, Individually or Collectively, Lead to Positive Rating Action/Upgrade

--Positive rating action on NYS.

--The ratings could also be upgraded if the MTA's SCP is raised to 'a+', which may be due to revenue and ridership projections that exceed the MTA forecast, resulting in expectations for improved leverage below 12x on a sustained basis.

PROFILE

The MTA is a component unit of NYS whose board consists of a chairperson and 16 voting members, 2 non-voting members and four alternate non-voting members. All board members are appointed by the NYS governor, some on the recommendation of city and county officials in the MTA service region. The chairperson is by statute also the CEO of the MTA and its related entities.

The MTA is the largest mass transit system in the U.S. by a wide margin. The MTA's operating agencies include New York City Transit, MTA Bus, Long Island Rail Road (LIRR), Metro-North Railroad, and Bridges and Tunnels. The subway system consists of more than 665 miles of track, serving 472 stations across the boroughs of Manhattan, Brooklyn, Queens, and the Bronx, and it operates 24 hours a day, seven days a week. The MTA bus fleet includes over 5,850 buses that provide local and express service. The LIRR covers more than 526 miles of track that spans Manhattan's Penn Station and Grand Central Madison to the easternmost tip of Long Island. Metro-North connects commuters from the northern suburbs of New York City, extending into NYS and Connecticut covering over 880 route miles. Bridges and Tunnels operates seven bridges and two tunnels in New York City, including the Hugh L. Carey Tunnel, the Queens Midtown Tunnel, the Verrazzano-Narrows Bridge, the Queens Midtown Tunnel, and the Robert F. Kennedy (Triborough) Bridge, among others.

Sources of Information

The principal sources of information used in the analysis are described in the Applicable Criteria.

REFERENCES FOR SUBSTANTIALLY MATERIAL SOURCE CITED AS KEY DRIVER OF RATING

The principal sources of information used in the analysis are described in the Applicable Criteria.

ESG CONSIDERATIONS

The highest level of ESG credit relevance is a score of '3', unless otherwise disclosed in this section. A score of '3' means ESG issues are credit-neutral or have only a minimal credit impact on the entity, either due to their nature or the way in which they are being managed by the entity. Fitch's ESG Relevance Scores are not inputs in the rating process; they are an observation on the relevance and materiality of ESG factors in the rating decision. For more information on Fitch's ESG Relevance Scores, visithttps://www.fitchratings.com/topics/esg/products#esg-relevance-scores.

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APPLICABLE CRITERIA

U.S. Public Sector, Revenue-Supported Entities Rating Criteria (pub. 12 Jan 2024) (including rating assumption sensitivity)

Government-Related Entities Rating Criteria (pub. 12 Jan 2024)

ADDITIONAL DISCLOSURES

Dodd-Frank Rating Information Disclosure Form

Solicitation Status

Endorsement Policy

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Metropolitan Transportation Authority (NY)

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Rating Action: Moody's Ratings downgrades to Aa2 LOC-backed variable rate demand bonds jointly supported by TD Bank, N.A.

31 Oct 2024

New York, October 31, 2024 -- Moody's Ratings (Moody's) has downgraded the long-term ratings of the below bonds to Aa2 from Aa1. We reviewed the long-term ratings of the bonds following our rating action of TD Bank, N.A. (the Bank). On October 23, 2024, we downgraded the Bank's long-term Counterparty Risk (CR) Assessment to A1(cr) from Aa3(cr). For more information on such rating action please see the press release published on such date (https://ratings.moodys.com/ratings-news/431276).

The short-term VMIG 1 rating assigned to the bonds remains unchanged.

- Baltimore (Mayor and City Council of) MD, Taxable Revenue Refunding Bonds (Baltimore City Parking System Facilities), Series 2008; (Underlying bond rating A1)
- Allen (County of) OH, Adjustable Rate Hospital Facilities Revenue Bonds, Series 2012B (Catholic Health Partners); (Underlying bond rating A2)
- Rhode Island Health and Educational Facilities Building Corporation, Higher Education Facility Revenue Refunding Bonds, (Bryant University Issue - Series 2008); (Underlying bond rating A3)
- Colorado Health Facilities Authority, Hospital Revenue Refunding Bonds (Children's Hospital Colorado Project), Series 2020A and Series 2020B; (Underlying bond rating A1)
- Louisiana Public Facilities Authority, Variable Rate Revenue Refunding Bonds (CHRISTUS Health), Series 2009B-2; (Underlying bond rating A1)
- Tarrant County Cultural Education Facilities Finance Corporation, Variable Rate Revenue Refunding Bonds (CHRISTUS Health) Series 2008C-3 and Series 2008C-4; (Underlying bond rating A1)
- Metropolitan Transportation Authority, NY, Transportation Revenue Variable Rate

Refunding Bonds, Subseries 2002G-1g and Subseries 2012G-2; (Underlying bond rating A3)

- Orange County Health Facilities Authority, FL, Hospital Revenue Bonds (Orlando Regional Healthcare System) Series 2008E; (Underlying bond rating A2)
- Philadelphia Authority for Industrial Development, PA, Multi-Modal Lease Revenue Refunding Bonds, 2007 Series B-2; (Underlying bond rating A1)
- City of Philadelphia, Pennsylvania, Gas Works Revenue Refunding Bonds, Eighth Series B, Eighth Series C, Eighth Series D and Eighth Series E (1998 General Ordinance); (Underlying bond rating A3)
- Arizona Industrial Development Authority, Hospital Revenue Refunding Variable Rate Demand Bonds (Phoenix Children's Hospital), Series 2019A and Series 2019B; (Underlying bond rating A1)
- Northampton County General Purpose Authority Hospital Revenue Bonds, Series 2024B (Saint Luke's University Health Network Project); (Underlying bond rating A3)
- Iowa Finance Authority, Variable Rate Health Facilities Revenue Bonds Series 2013B-1 and Series 2013B-2(UnityPoint Health Project); (Underlying bond rating A1)
- Maryland Health and Higher Educational Facilities Authority, Revenue Bonds University of Maryland Medical System Issue Series 2008D; (Underlying bond rating A2)
- Vermont Educational and Health Buildings Financing Agency, Variable Rate Hospital Revenue Refunding Bonds, (Fletcher Allen Health Care Project) Series 2008A; (Underlying bond rating A3)
- West Virginia Hospital Finance Authority, Hospital Variable Rate Refunding Revenue Bonds (West Virginia University Health System Obligated Group), 2018 Series C; (Underlying bond rating A2)
- Massachusetts Development Finance Agency, Variable Rate Demand Revenue Bonds Worcester Polytechnic Institute, Series 2008A; (Underlying bond rating A2)

RATINGS RATIONALE

The long-term ratings are based on joint default analysis (JDA) which reflect our approach to rating jointly supported transactions. JDA incorporates: (i) the long-term Counterparty Risk (CR) Assessment of TD Bank, N.A. (the Bank) and the credit quality of the applicable obligor; (ii) the probability of default in payment by both parties; and (iii) the structure and legal protections of the transaction, which provide for timely debt service payments. Our current long-term and short-term CR Assessment of the Bank is A1(cr) and P-1(cr), respectively. Our underlying bond

rating of each of bonds are listed above.

We determined that the joint probability of default between the Bank and the applicable obligor is low, which results in credit risk consistent with a JDA rating of Aa2.

FACTORS THAT COULD LEAD TO AN UPGRADE OF THE RATINGS

• Upgrade the long-term CR Assessment of the Bank, or the underlying rating of the applicable bonds.

FACTORS THAT COULD LEAD TO A DOWNGRADE OF THE RATINGS

- Downgrade of the long-term CR Assessment of the Bank, or the underlying rating of the applicable bonds.
- Our assessment of the level of default dependence between the Bank and the applicable obligor increases.

The principal methodology used in these ratings was Guarantees, Letters of Credit and Other Forms of Credit Substitution Methodology published in July 2022 and available at https://ratings.moodys.com/rmc-documents/386295. Alternatively, please see the Rating Methodologies page on https://ratings.moodys.com for a copy of this methodology.

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Rating Action: Moody's Ratings downgrades to Aa3 from Aa2 LOC-backed variable rate demand bonds jointly supported by Truist Bank

10 May 2024

New York, May 10, 2024 -- Moody's Ratings (Moody's) has downgraded the long-term ratings of the below bonds to Aa3 from Aa2. The ratings were previously on review for downgrade. Moody's reviewed the long-term rating of the bonds following Moody's rating action of Truist Bank (the Bank). On May 8, 2024, Moody's downgraded the long-term Counterparty Risk (CR) Assessment of the Bank to A2(cr) from A1(cr). The Bank's long-term CR Assessment was previously on review for downgrade. For more information on such rating action please see the press release published on such date.

The short-term VMIG 1 ratings assigned to the bonds remain unchanged.

- Economic Development Authority of Lynchburg, VA, Hospital Revenue and Refunding Bonds, (Centra Health Obligated Group), Series 2017B and Series 2017C; (Underlying bond rating: A3)
- Metropolitan Transportation Authority, NY Transportation Revenue Variable Rate Refunding Bonds, Subseries 2002D-2a-1, Subseries 2002D-2b and Subseries 2005D-1 (Underlying bond rating: A3)
- West Virginia Hospital Finance Authority, Variable Rate Revenue Bonds (Charleston Area Medical Center, Inc.), 2008 Series A; (Underlying bond rating: Baa1)
- Cobb County Hospital Authority, GA, Revenue Anticipation Certificates, (Equipment Pool Project), Series 2004 and Series 2006; (Underlying bond rating: A2)

RATINGS RATIONALE

The long-term rating is based on joint default analysis (JDA) which reflect Moody's approach to rating jointly supported transactions. JDA incorporates: (i) the long-term CR Assessment of the Bank and the credit quality of the obligor; (ii) the probability of default in payment by both parties; and (iii) the structure and legal protections of the

transaction, which provide for timely debt service payments. Moody's current long-term and short-term CR Assessment of the Bank is A2(cr) and P-1(cr), respectively. Moody's underlying rating of the bonds are: A3 for Centra Health, VA, A3 for Metropolitan Transportation Authority, NY, Baa1 for Vandalia Health, Inc. (f/k/a Charleston Area Medical Center, Inc.) and A2 for Wellstar Health System, GA.

Moody's has determined that the joint probability of default between the Bank and the applicable obligor is low, which results in credit risk consistent with a JDA rating of Aa3.

FACTORS THAT COULD LEAD TO AN UPGRADE OF THE RATINGS

• Moody's upgrades either the long-term CR Assessment of the Bank or the long-term underlying rating of the applicable Bonds.

FACTORS THAT COULD LEAD TO A DOWNGRADE OF THE RATINGS

- Moody's downgrades either the long-term CR Assessment of the Bank or the long-term underlying rating of the applicable Bonds.
- Moody's determines that the default dependence between the applicable obligor and the Bank increased.

The principal methodology used in these ratings was Guarantees, Letters of Credit and Other Forms of Credit Substitution Methodology published in July 2022 and available at https://ratings.moodys.com/rmc-documents/386295. Alternatively, please see the Rating Methodologies page on https://ratings.moodys.com for a copy of this methodology.

REGULATORY DISCLOSURES

For further specification of Moody's key rating assumptions and sensitivity analysis, see the sections Methodology Assumptions and Sensitivity to Assumptions in the disclosure form. Moody's Rating Symbols and Definitions can be found on https://ratings.moodys.com/rating-definitions.

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where the transaction structure and terms have not changed prior to the assignment of the definitive rating in a manner that would have affected the rating. For further information please see the issuer/deal page for the respective issuer on https://ratings.moodys.com.

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Various Ratings Lowered On 87 Joint-Supported **Bond Issues On TD Bank N.A. And Toronto Dominion Bank Downgrades**

Liquidity

October 18, 2024

CHICAGO (S&P Global Ratings) Oct. 18, 2024--S&P Global Ratings lowered its long- and short-term ratings on 87 joint-supported bond issues backed by letters of credit (LOCs) from TD Bank N.A. and Toronto Dominion Bank, New York branch (see table).

Various Ratings Lowered On 87 Joint-Supported Bond Issues

Issue	Series	New rating	Previous rating	CUSIPs	provider/letter of credit provider	Correlation level
New Jersey Hlth Care Facs Fincg Auth (Virtua Hlth, Inc.) JOINTCRIT	2009D	AA+/A-1	AAA/A-1+	64579FYL1	TD Bank N.A.	Medium
New Jersey Hlth Care Facs Fincg Auth (Virtua Hlth, Inc.) JOINTCRIT	2009E	AA+/A-1	AAA/A-1+	64579FYM9	TD Bank N.A.	Medium
Allen Cnty (Bon Secours Mercy Hlth, Inc.)	2012B	AA/A-1	AA+/A-1+	01757LGY6	TD Bank N.A.	Medium
Massachusetts Wtr Resources Auth multi modal subord gen rev	В	AA+/A-1	AAA/A-1+	576049RU6	TD Bank N.A.	Low
Massachusetts Dev Fin Agy (Boston Univ) JOINTCRIT	U6-C	AA+/A-1	AAA/A-1+	57583RWB7	TD Bank N.A.	Low
Florida Keys Aque Auth (Florida Keys Aque Auth) JOINTCRIT	2008	AA+/A-1	AAA/A-1+	340765HC3	TD Bank N.A.	Low
Miami Dade Cnty (Juvenile Courthouse Proj) JOINTCRIT (AMBAC)	2003B	AA+/A-1	AAA/A-1+	59333NJB0	TD Bank N.A.	Low
Wisconsin Hlth & Educational Fac Auth (Medical College of Wisconsin) VRDO - 2008B	2008B	AA+/A-1	AAA/A-1+	97710BDK5	TD Bank N.A.	Low
Tarrant Cnty Cult Educ Facs Fin Corp (Methodist Hospitals of Dallas)	2008A	AA+/A-1	AAA/A-1+	87638QBE8	TD Bank N.A.	Low

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Issue	Series	New rating	Previous rating	CUSIPs	Liquidity provider/letter of credit provider	Correlation level
Tarrant Cnty Cult Educ Facs Fin Corp (Methodist Hospitals of Dallas) JOINTCRIT	2008B	AA+/A-1	AAA/A-1+	87638QBF5	TD Bank N.A.	Low
San Francisco City & Cnty Fin Corp (San Francisco City & Cnty) JOINTCRIT	2008-1	AA+/A-1	AAA/A-1+	79765XPD2	TD Bank N.A.	Low
San Francisco City & Cnty Fin Corp (San Francisco City & Cnty) JOINTCRIT	2008-2	AA+/A-1	AAA/A-1+	79765XPC4	TD Bank N.A.	Low
Baltimore Mayor & City Council JOINTCRIT	2008-B	AA+/A-1	AAA/A-1+	059231TD2	TD Bank N.A.	Low
Massachusetts Hsg Fin Agy JOINTCRIT	В	AA+/A-1	AAA/A-1+	57586NDV0	TD Bank N.A.	Low
Miami Dade Cnty (Pro Sport) JOINTCRIT	2009E	AA+/A-1	AAA/A-1+	59333HCF1	TD Bank N.A.	Low
Illinois Fin Auth (Univ of Chicago Med Ctr) JOINTCRIT	2009D1-2	AA+/A-1	AAA/A-1+	45200FZT9 & 45200FZR3	TD Bank N.A.	Low
Orange Cnty Hlth Fac Auth (Nemours Foundn) JOINTCRIT	2009B	AA+/A-1	AAA/A-1+	6845036V2	TD Bank N.A.	Low
Orange Cnty Hlth Fac Auth (Nemours Foundn) JOINTCRIT	2009C	AA+/A-1	AAA/A-1+	6845036W0 & 6845036X8	TD Bank N.A.	Low
California JOINTCRIT	2003 C	AA+/A-1	AAA/A-1+	13063BCS9	TD Bank N.A.	Low
Tarrant Cnty Cult Educ Facs Fin Corp (Baylor Scott & White Health) JOINTCRIT	2011C	AA+/A-1	AAA/A-1+	87638QEW5	TD Bank N.A.	Low
Western Mun Wtr Dist jointcrit	2012A	AA+/A-1	AAA/A-1+	95874TBR9	TD Bank N.A.	Low
Metropolitan Washington Arpts Auth JOINTCRIT	D-1 D-2	AA+/A-1	AAA/A-1+	592646M91 & 592646N25	TD Bank N.A.	Low
Atrium Health JOINTCRIT	2007E	AA+/A-1	AAA/A-1+	160853LL9	TD Bank N.A.	Low
New York City JOINTCRIT	2014 D-4	AA+/A-1	AAA/A-1+	64966LCP4	TD Bank N.A.	Low
Massachusetts Hsg Fin Agy JOINTCRIT	2013F	AA+/A-1	AAA/A-1+	57586NUP4	TD Bank N.A.	Low
Massachusetts Development Finance Agency (Partners Healthcare Sys, Inc.) JOINTCRIT	2005F-3	AA+/A-1	AAA/A-1+	57586CGB5	TD Bank N.A.	Low
Metropolitan Washington Arpts Auth JOINTCRIT	2011A	AA+/A-1	AAA/A-1+	592647CQ2 & 592647CU3	TD Bank N.A.	Low
Metropolitan Transp Auth JOINTCRIT	2008A-1	AA+/A-1	AAA/A-1+	59259N8Q9	TD Bank N.A.	Low

Issue	Series	New rating	Previous rating	CUSIPs	Liquidity provider/letter of credit provider	Correlation level
New York City GO bnds (Adjusted Rate Bnds)	2018 E-5	AA+/A-1	AAA/A-1+	64966QAA8	TD Bank N.A.	Low
Massachusetts Dev Fin Agy (Boston Univ)	U-6E	AA+/A-1	AAA/A-1+	57583RWD3	TD Bank N.A.	Low
Lakeview Sch Dist sch bldg & site bnds (GO - unltd tax) rmkted 10/2019 ser 2002B due 05/01/2032	2002B	AA+/A-1	AAA/A-1+	512282FS8	TD Bank N.A.	Low
Metropolitan Washington Arpts Auth JOINTCRIT	2010D	AA+/A-1	AAA/A-1+	592647JN2	TD Bank N.A.	Low
Metropolitan Washington Arpts Auth JOINTCRIT	2010-C	AA+/A-1	AAA/A-1+	592646X24	TD Bank N.A.	Low
Metropolitan Transp Auth JOINTCRIT	2008A-2A	AA+/A-1	AAA/A-1+	59260XBE7	TD Bank N.A.	Low
Public Fin Auth (Cone Hlth) hlth care sys rev rfdg bnds (Cone Health)	2023B	AA+/A-1	AAA/A-1+	74447GAC4	TD Bank N.A.	Low
Public Fin Auth (Cone Hlth) hlth care sys rev rfdg bnds (Cone Hlth)	2023C	AA+/A-1	AAA/A-1+	74447GAE0	TD Bank N.A.	Low
Louisiana gasoline and fuels tax 2nd lien rev rfdg bnds	2023A-1	AA+/A-1	AAA/A-1+	546475VV3	Toronto Dominion Bank (The) (New York Branch)	Low
Louisiana gasoline and fuels tax 2nd lien rev rfdg bnds	2023A-2	AA+/A-1	AAA/A-1+	546475VW1	Toronto Dominion Bank (The) (New York Branch)	Low
Harris Cnty Cultural Ed Facs Fin Corp (Texas Children's Hosp) Hosp Rev Bnds (Texas Children's Hosp) ser 2015-2 dtd 06/02/2015 due 10/01/2042	2015-2	AA+/A-1	AAA/A-1+	414009KB5	TD Bank N.A.	Low
Harris Cnty Cultural Ed Facs Fin Corp (Texas Children's Hosp) hosp rev bnds	2015-3	AA+/A-1	AAA/A-1+	414009SA9	TD Bank N.A.	Low
Pennsylvania Turnpike Commission var rate tpk rev bnds	2023B	AA+/A-1	AAA/A-1+	709225JD9	TD Bank N.A.	Low
Triborough Br & Tunnel Auth JOINTCRIT rmktg	2005B-4A	AA+/A-1	AAA/A-1+	89602RLD5	TD Bank N.A.	Low
California Public Finance Authority (Sharp Healthcare)	2024D&E	AA+/A-1	AAA/A-1+	13057EHJ6 13057EHL1	TD Bank N.A.	Low

Issue	Series	New rating	Previous rating	CUSIPs	Liquidity provider/letter of credit provider	Correlation level
Massachusetts Development Finance Agency (Children's Hospital of Boston) rev bnds, VRDB	U-1 (2024)	AA+/A-1	AAA/A-1+	57584Y8H5	TD Bank N.A.	Low
Massachusetts Development Finance Agency (Children's Hospital of Boston) rev bnds	U-2 (2024)	AA+/A-1	AAA/A-1+	57584Y8K8	TD Bank N.A.	Low
Bay Area Toll Authority san francisco bay area toll br rev bnds (Variable Rate Bonds)	2024D	AA+/A-1	AAA/A-1+	072024ZH8	TD Bank N.A.	Low
Virginia Commonwealth University Health System Authority general rev rfdg bnds	2024B	AA+/A-1	AAA/A-1+	92778LDL1	TD Bank N.A.	Low
Bay Area Toll Authority san francisco bay area toll br rev bnds (var rate bnds)	20241	AA+/A-1	AAA/A-1+	072024C75	TD Bank N.A.	Low
Triborough Bridge & Tunnel Authority Gen rev Var rate bnds (Mta Bridges & Tunnels)) ser 2003B-2 dtd 07/18/2024 due 01/01/2033	2003B-2	AA+/A-1	AAA/A-1+	89602RLG8	TD Bank N.A.	Low
Maryland Health & Higher Educational Facilities Authority (Johns Hopkins Health System Obligated Group) rev bnds (Johns Hopkins Health System Obligate	2024A	AA+/A-1	AAA/A-1+	57421CGB4	TD Bank N.A.	Low
Maryland Health & Higher Educational Facilities Authority (Johns Hopkins Health System Obligated Group) rev bnds (Johns Hopkins Health System Obligate	2024B	AA+/A-1	AAA/A-1+	57421CGC2	TD Bank N.A.	Low
Portland JOINTCRIT		AAA/A-1	AAA/A-1+	7365594Y8	TD Bank N.A.	Low
Rhode Island Hlth & Educl Bldg Corp (Bryant Univ) JOINTCRIT	2008	AA/A-1	AA/A-1+	762197CE9	TD Bank N.A.	Low
Massachusetts Dev Fin Agy (Worcester Polytechnic Institute) JOINTCRIT	2008-A	AA+/A-1	AA+/A-1+	57583RTX3	TD Bank N.A.	Low
Grand Vy St Univ Brd of Trustees (Grand Vy St Univ) JOINTCRIT	2008B	AA+/A-1	AA+/A-1+	386545HC4	TD Bank N.A.	Low

Issue	Series	New rating	Previous rating	CUSIPs	Liquidity provider/letter of credit provider	Correlation level
Vermont Ed & Hlth Bldg Fin Agy (Univ Of VT Med Ctr)	2008A	AA+/A-1	AA+/A-1+	924166BT7	TD Bank N.A.	Low
Florida Gulf Coast Univ Fing Corp cap imp	2008-A	AA/A-1	AA/A-1+	34073XCK2	TD Bank N.A.	Low
Maryland Hlth & Hgr Ed Facs Auth (University of Maryland Med Sys) JOINTCRIT	2008D	AA+/A-1	AA+/A-1+	574217V28	TD Bank N.A.	Low
New York City Health & Hospital Corporation (New York City) hlth sys - 2008B	2008B	AA+/A-1	AA+/A-1+	649674GR3	TD Bank N.A.	Low
New York City Health & Hospital Corporation (New York City) hlth sys - 2008C	2008C	AA+/A-1	AA+/A-1+	649674GS1	TD Bank N.A.	Low
Massachusetts Development Finance Agency (Baystate Med Ctr) JOINTCRIT	2009J1	AA+/A-1	AA+/A-1+	57586EKC4	TD Bank N.A.	Low
Philadelphia JOINTCRIT	8TH B	AA+/A-1	AA+/A-1+	71783LAE7	TD Bank N.A.	Low
Philadelphia JOINTCRIT	8TH E	AA+/A-1	AA+/A-1+	7178232M9	TD Bank N.A.	Low
Indiana Fin Auth (Parkview Hlth Sys Oblig Grp) hosp VRDO - 2009D	2009D	AA+/A-1	AA+/A-1+	45471AAS1	TD Bank N.A.	Low
Massachusetts Development Finance Agency (Baystate Med Ctr) JOINTCRIT	2009J2	AA+/A-1	AA+/A-1+	57586EKB6	TD Bank N.A.	Low
Philadelphia JOINTCRIT	8TH D	AA+/A-1	AA+/A-1+	71783LAG2	TD Bank N.A.	Low
Philadelphia Auth for Indl Dev (Philadelphia) JOINTCRIT	2007B-2	AA+/A-1	AA+/A-1+	71781QEJ3	TD Bank N.A.	Low
Metropolitan Transp Auth JOINTCRIT	2012G-2	AA/A-1	AA/A-1+	59259Y7S2	Toronto-Dominion Bank	Low
Metropolitan Transp Auth JOINTCRIT	2002G-1G	AA/A-1	AA/A-1+	59259Y7Q6	Toronto-Dominion Bank	Low
Massachusetts Dept of Transp (Metropolitan Hwy Sys) JOINTCRIT	2010 A-2	AA+/A-1	AA+/A-1+	57563CCZ3	TD Bank N.A.	Low
West Virginia Hosp Fin Auth (West Virginia Univ Hlth Sys) hosp var-rt rfdg rev bnds	2018 C	AA+/A-1	AA+/A-1+	956622P40	Toronto-Dominion Bank	Low
District of Columbia (MedStar Health, Inc.) hosp VRDO ser 1998A Tranche 1, 2	1998A	AA+/A-1	AA+/A-1+	254839RX3 & 254839RY1	TD Bank N.A.	Low

Issue	Series	New rating	Previous rating	CUSIPs	Liquidity provider/letter of credit provider	Correlation level
Oregon Facs Auth (PeaceHealth)	2018B	AA/A-1	AA/A-1+	68608JXF3	TD Bank N.A.	Low
South Carolina Jobs Econ Dev Auth (Prisma Health) var rt dem bnds	2018B	AA+/A-1	AA+/A-1+	83703FLR1	TD Bank N.A.	Low
Arizona Industrial Development Authority (Phoenix Children's Hosp)	2019A	AA+/A-1	AA+/A-1+	04052EAC2	TD Bank N.A.	Low
Arizona Industrial Development Authority (Phoenix Children's Hosp)	2019B	AA+/A-1	AA+/A-1+	04052EAA6	TD Bank N.A.	Low
Colorado Hlth Fac Auth (Children's Hospital Colorado) hosp rev rfdg bnds (Children's Hospital Colorado) ser 2020B due 12/01/2052	2020B	AA+/A-1	AA+/A-1+	19648FPU2	TD Bank N.A.	Low
Colorado Hlth Fac Auth (Children's Hospital Colorado) hosp rev rfdg bnds (Children's Hospital Colorado) ser 2020A due 12/01/2052	2020A	AA+/A-1	AA+/A-1+	19648FPT5	TD Bank N.A.	Low
Philadelphia gas wks rev rfdg bnds ser EIGHTH D due 08/01/2031	EIGHTH D	AA+/A-1	AA+/A-1+	71783MBB0	TD Bank N.A.	Low
Delaware Vy Regl Fin Auth local govt rev bnds ser 2020 D due 11/01/2055	2020 D	AA+/A-1	AA+/A-1+	246579LF1	TD Bank N.A.	Low
Illinois Finance Authority (OSF HIthcare Sys) var rate demand rev bnds	2008A	AA+/A-1	AA+/A-1+	45200FFV6	TD Bank N.A.	Low
Illinois Finance Authority (OSF Hlthcare Sys) var rate demand rev bnds (OSF Hlthcare Sys) ser 2008B due 08/15/2035	2008B	AA+/A-1	AA+/A-1+	45200FFW4	TD Bank N.A.	Low
Delaware Vy Regl Fin Auth local govt rev bnds ser 2022E	2022E	AA+/A-1	AA+/A-1+	246579LP9	TD Bank N.A.	Low
Philadelphia gas works rev rfdg bnds RMKT	8TH C	AA+/A-1	AA+/A-1+	71783MCM5 & 71783MCL7	TD Bank N.A.	Low
Massachusetts Dept of Transp (Metropolitan Hwy Sys) JOINTCRIT	2010A-1	AA+/A-1	AA+/A-1+	57563CBF8	TD Bank N.A.	Low
South Carolina Jobs Economic Development Authority (Prisma Health) Hospital Revenue Bonds RMKTD (Prisma Health)	2018C	AA+/A-1	AA+/A-1+	83703FML3	TD Bank N.A.	Low

Issue	Series	New rating	Previous rating	CUSIPs	Liquidity provider/letter of credit provider	Correlation level
Delaware Valley Regional Finance Authority local govt rev bnds (variable rate demand) ser 2024 B due 09/01/2059	2024 B	AA+/A-1	AA+/A-1+	246579L <i>Z</i> 7	TD Bank N.A.	Low

The rating action follows S&P Global Ratings' lowering of the ratings on TD Bank N.A. on Oct 15, 2024. (For more information, see "The Toronto-Dominion Bank Downgraded To 'A+/A-1' On Anti-Money Laundering Deficiencies; Outlook Is Stable," published Oct. 15, 2024, on RatingsDirect.)

The long-term component of the rating reflects the application of our joint criteria--assuming correlation levels as mentioned in the table between the respective obligors and our long-term ICR on the respective LOC provider--and addresses our expectation of full and timely interest-and-principal payments when bondholders have not exercised the put option. The short-term component of our rating reflects our short-term ICR on the respective LOC provider and addresses our expectation of full and timely interest-and-principal payments when bondholders have exercised the put option.

Changes to the ratings on these bonds could result from, among other things, changes to the ratings on the support providers, the correlation assumptions, the expiration or termination of support agreements, or the amendments to transaction terms.

Certain terms used in this report, particularly certain adjectives used to express our view on rating relevant factors, have specific meanings ascribed to them in our criteria, and should therefore be read in conjunction with such criteria. Please see Ratings Criteria at www.spglobal.com/ratings for further information. Complete ratings information is available to RatingsDirect subscribers at www.capitaliq.com. All ratings affected by this rating action can be found on S&P Global Ratings' public website at www.spglobal.com/ratings.



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Research Update:

The Toronto-Dominion Bank Downgraded To 'A+/A-1' On Anti-Money Laundering Deficiencies; Outlook Is Stable

October 15, 2024

Overview

- On Oct. 10, 2024, the Toronto-Dominion Bank (TD Bank) settled with U.S. authorities and regulators regarding previously disclosed anti-money laundering (AML) investigations on its two U.S. banking subsidiaries.
- Although the bank has already provisioned for most of the US\$3.09 billion penalty and can
 maintain balance-sheet flexibility to serve its U.S. clients, we believe the asset cap on TD's U.S.
 subsidiary banks underscores the severity of the bank's AML-related deficiencies and failure of
 its operational risk management.
- We lowered our ratings on TD Bank by one notch to 'A+/A-1', as well as all associated issue ratings.
- Our stable outlook assumes that over the next two years, the bank will strengthen its AML operational risk management processes and controls as it works to meet the requirements imposed by U.S. regulators in a timely manner, that no further sizable fines or regulatory matters will emerge, and that the company's strategies to mitigate the asset cap won't meaningfully impair the profitability and customer flows associated with its longstanding U.S. franchise.

Rating Action

On Oct. 15, 2024, S&P Global Ratings lowered its long-term issuer credit rating on TD Bank to 'A+' from 'AA-' and its short-term issuer credit rating on the bank to 'A-1' from 'A-1+'.

We also lowered our issuer credit ratings on TD Bank's core subsidiaries TD Securities (USA) LLC, TD Bank N.A., its U.S. intermediate holding company TD Bank US Holding Co., and Toronto Dominion (South East Asia) Ltd. The rating outlook on TD and all of its subsidiaries is stable.

At the same time, we lowered our issue level ratings on all of TD Bank's obligations by one notch, including lowering its senior unsecured ratings to 'A+' from 'AA-' and its bail-in-able senior

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daniel.da.silva @spglobal.com subordinated ratings to 'A-' from 'A' (see Ratings List for the full list of rated obligations).

Rationale

We lowered our long-term issuer credit rating on TD Bank to 'A+' from 'AA-' after TD Bank settled with U.S. authorities and regulators. TD agreed to pay a total of roughly US\$3.1 billion in fines for civil and criminal enforcement actions. Although the fine imposed by the U.S. regulators is manageable, totaling about 39% of 2023 net income, the findings regarding TD's U.S. management hamper our view of its conservative risk management and effective corporate governance, and, in turn, compromise the bank's creditworthiness.

In our view, management failed to live up to standards expected of one of the world's highest rated banks. The bank has taken several steps to address the deficiencies identified at its U.S. subsidiary banks, but we think it will take time to improve the risk management culture across the group, overhaul its practices, strengthen the organizational structure, and demonstrate the effectiveness of these measures.

The settlements concluded previously disclosed investigations related to the U.S. Bank Secrecy Act (BSA) and anti-money laundering (AML) compliance programs. TD Bank's two U.S. bank subsidiaries--TDBUSH and TD Bank N.A.--also pled guilty to criminal charges associated with BSA failures from Jan. 2014 to Oct. 2023. The OCC consent order (on TD Bank USA, N.A. and TD Bank N.A.) stipulated that failure to meet actionable deadlines may require the bank to reduce the asset cap by an additional 7% from its total assets, which is not our base-case expectation.

We believe the asset cap imposed by the U.S. banks' main regulator demonstrates the severity of TD's AML deficiencies and failures in the banks' operational risk management processes.

The Office of the Comptroller of the Currency (OCC) capped the U.S. entities' assets (TD Bank USA, N.A. and TD Bank N.A.) at the current combined level of US\$434 billion (at Sept 30, 2024) until the parent bank sufficiently improves its governance and controls.

The asset cap does not apply to TD Securities or any of the bank's Canadian or other global businesses, per company disclosure. Additionally, the parent bank has already provisioned for most of the financial penalty (see "Toronto-Dominion Bank's US\$2.6 Billion Provision Highlights The Severity Of Its Anti-Money Laundering Compliance Issues," published Aug. 26, 2204).

Nevertheless, we believe the OCC's unprecedented action to impose an asset cap will complicate TD's U.S. strategic aspirations. The U.S. is a competitive market, and has heretofore been a key contributor to the group's revenue and profits. As of year-end 2023, the two subsidiaries represented 28% of TD Bank's total revenues and 39% of net income.

We expect TD Bank to remediate its AML deficiencies by fundamentally restructuring its corporate compliance program to the satisfaction of U.S. regulators. The extensive remediation program includes detailed actions regarding BSA/AML plans, ongoing monitoring of its progress through the appointment of a compliance monitor, and specific requirements related to board oversight.

We believe successful remediation may be protracted and expensive, so bank management will need to carefully manage potential profitability challenges for the duration of the asset cap.

At the same time, we note that TD Bank has various levers to create balance-sheet flexibility in the U.S. under the asset cap:

- The bank intends to restructure loan portfolios that it deems as non-core or those that fail to

meet long-term investment return targets and reduce assets by approximately 10%.

- It also plans to reduce the sharply elevated buffer of cash and liquidity at the affected U.S. subsidiaries.
- Finally, it plans to reposition its U.S. securities portfolios (TD Bank USA, N.A.'s securities as a percentage of total assets was 58% as at June 30th, 2024; TD Bank N.A.'s securities as a percent of total assets was 35% as of June 30th, 2024) by selling up to \$50 billion in lower yielding investments and reinvesting the proceeds to increase net interest income.

We maintain a favorable view of TD's extensive national and U.S. retail franchise and broad-based business-line diversification; its satisfactory capital ratios; and its funding and liquidity ratios, which are in line with its large peers. TD Bank's common equity tier 1 ratio was 12.8% at 3rd quarter 2024. We expect our proprietary risk-adjusted capital ratio (9.5% at second-quarter 2024) to remain comfortably within 7%-10% over the next two years.

Our ratings on TD continue to incorporate one notch of uplift from the bank's revised stand-alone credit profile of 'a', based on the likelihood of extraordinary support from the Canadian government given the bank's high systemic importance.

Outlook

Our stable outlook reflects our expectation that over the next two years, TD Bank will strengthen its AML operational risk management processes and controls as it works to meet the requirements imposed by U.S. regulators in a timely manner.

We also expect TD to maintain its commitment to the U.S. while taking steps to mitigate the impact the asset cap may have on the strength of its franchise. At the same time, we forecast the company will maintain overall good profitability, asset quality, and capital.

Downside scenario

We could lower the ratings if:

- TD Bank doesn't improve its AML deficiencies, fails to meet the requirements imposed by U.S. regulators, or faces further sizable regulatory fines or actions.
- The asset cap ultimately materially weakens the U.S. franchise, particularly if it is tightened.
- TD Bank's U.S. market share erodes meaningfully, causing its profitability to decline below similarly rated peers.

Upside scenario

We are unlikely to raise the rating in the next two years, but we could consider an upgrade over time if:

- TD Bank resolves the deficiencies cited by the U.S. regulators related to its AML governance, risk management controls, and compliance practices,
- The asset cap is lifted, and
- TD successfully resumes growth in the U.S. and delivers profitability in line with higher rated

peers while maintaining strong financial metrics.

Ratings Score Snapshot

	То	From
Issuer Credit Rating	A+/Stable/A-1	AA-/Negative/A-1+
SACP	a	a+
Anchor	a-	a-
Business position	Strong (+1)	Strong (+1)
Capital and earnings	Adequate (0)	Adequate (0)
Risk position	Adequate (0)	Strong (+1)
Funding and liquidity	Adequate and adequate (0)	Adequate and adequate (0)
Comparable ratings analysis	N/A	N/A
Support	+1	+1
ALAC support	0	0
GRE support	0	0
Group support	0	0
Sovereign support	+1	+1
Additional factors		

SACP--Stand-alone credit profile. N/A--Not applicable. ALAC--Additional loss-absorbing capacity. GRE--Government-related entity.

Environmental, social, and governance (ESG) credit factors for this change in credit rating/outlook and/or CreditWatch status:

- Risk management, culture, and oversight

Related Criteria

- Criteria | Financial Institutions | General: Risk-Adjusted Capital Framework Methodology, April 30, 2024
- General Criteria: Hybrid Capital: Methodology And Assumptions, March 2, 2022
- Criteria | Financial Institutions | Banks: Banking Industry Country Risk Assessment Methodology And Assumptions, Dec. 9, 2021
- Criteria | Financial Institutions | General: Financial Institutions Rating Methodology, Dec. 9, 2021
- General Criteria: Environmental, Social, And Governance Principles In Credit Ratings, Oct. 10, 2021
- General Criteria: Group Rating Methodology, July 1, 2019
- General Criteria: Methodology For Linking Long-Term And Short-Term Ratings, April 7, 2017
- General Criteria: Guarantee Criteria, Oct. 21, 2016

- General Criteria: Principles Of Credit Ratings, Feb. 16, 2011

Related Research

- Toronto-Dominion Bank's US\$2.6 Billion Provision Highlights The Severity Of Its Anti-Money Laundering Compliance Issues, Aug. 26, 2024
- Toronto-Dominion Bank Outlook Revised To Negative On Risk Management And Controls Weaknesses; 'AA-' Rating Affirmed, May 29, 2024

Ratings List

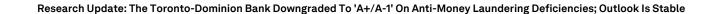
Downgraded

Downgraded		
	То	From
Toronto-Dominion Bank		
Senior Unsecured	A+	AA-
Senior Subordinated	A-	А
Subordinated	A-	А
Subordinated	BBB+	Α-
Preferred Stock	BBB-	BBB
Short-Term Debt	A-1	A-1+
Certificate Of Deposit	A-1	A-1+
Certificate Of Deposit	A+	AA-
Commercial Paper	A-1	A-1+
Toronto Dominion (South East Asia) Ltd.		
Commercial Paper	A-1	A-1+
Toronto Dominion Bank (London Branch)		
Certificate Of Deposit	A-	А
Certificate Of Deposit	A-1	A-1+
Toronto-Dominion Holdings USA Inc.		
Commercial Paper	A-1	A-1+
Commercial Paper	A+	AA-
Downgraded; CreditWatch/Outlook Action		
	То	From
Toronto-Dominion Bank		
Toronto Dominion (South East Asia) Ltd.		
TD Securities (USA) LLC		
TD Bank N.A.		
Issuer Credit Rating	A+/Stable/A-1	AA-/Negative/A-1+

TD Bank US Holding Co.

Issuer Credit Rating	A+/Stable/	AA-/Negative/
	То	From
Toronto-Dominion Bank		
Preferred Stock	P-2(Low)	P-2

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The ratings on MTA credits as of 12/31/2024 are below: MTA/TBTA Credit Ratings

Core Credits	Moody's Ratings	S&P Global Ratings	Fitch Ratings	Kroll Bond Rating Agency (KBRA)
Transportation Revenue	A3 (Positive outlook)	A- (Positive outlook)	AA (Stable outlook)	AA (Stable outlook)
Dedicated Tax Fund	Not applied for	AA (Stable outlook)	AA (Stable outlook)	Not applied for
Payroll Mobility Tax	Not applied for	AA+ (Stable outlook)	AA+ (Stable outlook)	AA+ (Stable outlook)
Sales Tax Revenue (TBTA Capital Lockbox - City Sales Tax)	Not applied for	AA+ (Stable outlook)	AAA (Stable outlook)	Not applied for
Real Estate Transfer Tax Revenue (TBTA Capital Lockbox Fund)	A1 (Stable outlook)	A+ (Stable outlook)	Not applied for	AA (Stable outlook)
TBTA - General Revenue Resolution (Senior Lien)	Aa3 (Stable outlook)	AA- (Stable outlook)	AA- (Stable outlook)	AA (Stable outlook)
TBTA - Subordinate Resolution	A1 (Stable outlook)	A+ (Stable outlook)	A+ (Stable outlook)	AA- (Stable outlook)
TBTA - Second Subordinate Resolution	A1 (Stable outlook)	Not applied for	A+ (Stable outlook)	Not applied for

Other obligations

Obligation	Moody's Ratings	S&P Global Ratings	Fitch Ratings	Kroll Bond Rating Agency (KBRA)
Hudson Rail Yard Trust Obligations	A3 (Stable outlook)	Not applied for	Not applied for	A- (Stable outlook)

Metropolitan Transportation Authority Triborough Bridge and Tunnel Authority New York City Transit Authority

DEBT REPORT REQUIRED BY SECTION 2800(1)(a)(4)⁽¹⁾ OF THE PUBLIC AUTHORITIES LAW

(1) Public Authorities Law Section 2800(1)(a) provides, in relevant part, as follows: "For the purpose of furnishing the state with systematic information regarding the status and the activities or public authorities, every state authority or commission...shall submit...within ninety days after the end of its fiscal year, a complete and detailed report or reports setting forth: ...(4) a schedule of its bonds and notes outstanding at the end of its fiscal year, together with a statement of the amounts redeemed and incurred during such fiscal year as part of a schedule of debt issuance that includes the date of issuance, term, amount, interest rate and means of repayment. Additionally the debt schedule shall also include all refinancings, calls, refundings, defeasements and interest rate exchange or other such agreements, and for any debt issued during the reporting year, the schedule shall also include a detailed list of costs of issuance for such debt..."

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DEFINITIONS

BANS – Bond Anticipation Notes.

Called – Bonds or Notes a call option of which has been exercised during the reporting period for which no prior defeasance has occurred.

Defeased – Bonds or Notes that have been secured by a defeasance obligation, as defined under the applicable bond resolution, and hence, cease to be an MTA debt obligation during the reporting period.

DTF – MTA Dedicated Tax Fund Bonds or Notes.

HRY – Hudson Rail Yards Trust Obligations.

Matured – Bonds or Notes which at the end of the reporting period had zero remaining life left.

PMT- Payroll Mobility Tax Obligations.

Redeemed – Bonds or Notes that have been purchased by MTA during the reporting period.

Refinanced – Bonds or Notes which have been remarketed by MTA during the reporting period with substantially modified terms.

STX – Sales Tax Revenue Bonds or Notes.

TRB –MTA Transportation Revenue Bonds or Notes.

TBTA – MTA Bridges and Tunnels Senior Revenue Bonds or Notes.

TBTA SUB – MTA Bridges and Tunnels Subordinate Revenue Bonds or Notes.

TBTA 2nd SUB - MTA Bridges and Tunnels Second Subordinate Revenue Bonds or Notes.

SCHEDULE OF BONDS AND NOTES

			Total Bonds and No		8,015,225,000									
			New Money Bonds and No Refunding Bonds and No		4,800,940,000 3,214,285,000	Г	Total	1,702,930,000	5,273,530,000		80,890,000	566,165,000	45,980,577,500	1,870,555,000
			Retunding Bonds and No	ites issued in 2024	3,214,285,000	L	iotai	1,702,930,000	5,273,530,000		80,890,000	300,103,000	45,980,577,500	1,870,555,000
	Credit Supported L T										Amount	Amount		
Underlying L T Ratings	Ratings	S T Ratings						Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
NAF/AA/AA/NAF	NAF/AAA/AAA/NAF	NAF/A-1+/F1+/NAF		6/1/2022	13,025,000	11/1/2024	4.000	13,025,000	-	-	-	-	-	-
NAF/AA/AA/NAF		NAF/A-1+/F1+/NAF		6/1/2022	13,495,000	11/1/2025	4.000	-	-	-	-	-	13,495,000	13,291,163
NAF/AA/AA/NAF		NAF/A-1+/F1+/NAF	DTF 2008A-1	6/1/2022	13,970,000	11/1/2026	4.000		-	-	-	-	13,970,000	13,758,988
NAF/AA/AA/NAF		NAF/A-1+/F1+/NAF		6/1/2022	14,465,000	11/1/2027	4.000	-	-	-	-	-	14,465,000	14,246,511
NAF/AA/AA/NAF		NAF/A-1+/F1+/NAF		6/1/2022	14,975,000	11/1/2028	4.000	-	-	-	-	-	14,975,000	14,748,808
NAF/AA/AA/NAF		NAF/A-1+/F1+/NAF		6/1/2022	15,510,000	11/1/2029	4.000 4.000	-	-	-	-	-	15,510,000	15,275,727
NAF/AA/AA/NAF NAF/AA/AA/NAF		NAF/A-1+/F1+/NAF NAF/A-1+/F1+/NAF	DTF 2008A-1 DTF 2008A-1	6/1/2022 6/1/2022	16,060,000 16,625,000	11/1/2030 11/1/2031	4.000	-	-	-	-	-	16,060,000 16,625,000	15,817,419 16,373,885
NAF/AA/AA/NAF		NAF/A-1+/F1+/NAF		6/1/2022	13,030,000	11/1/2031	4.000		-	-	-		10,025,000	10,373,885
NAF/AA/AA/NAF		NAF/A-1+/F1+/NAF	DTF 2008A-2a	6/1/2022	13,495,000	11/1/2025	4.000						13,495,000	13,361,683
NAF/AA/AA/NAF		NAF/A-1+/F1+/NAF		6/1/2022	6,750,000	11/1/2026	4.000		-		_		6,750,000	6,683,317
NAF/AA/AA/NAF		NAF/A-1/F1/NAF		10/25/2022	7,220,000	11/1/2026	4.000		-		-	-	7,220,000	7,101,943
NAF/AA/AA/NAF	NAF/AA+/AAA/NAF	NAF/A-1/F1/NAF	DTF 2008A-2b	10/25/2022	14,465,000	11/1/2027	4.000	-	-	-	-	-	14,465,000	14,228,477
NAF/AA/AA/NAF		NAF/A-1/F1/NAF		10/25/2022	14,975,000	11/1/2028	4.000		-	-	-	-	14,975,000	14,730,137
NAF/AA/AA/NAF	NAF/AA+/AAA/NAF	NAF/A-1/F1/NAF	DTF 2008A-2b	10/25/2022	15,510,000	11/1/2029	4.000	-	-		-	-	15,510,000	15,256,389
NAF/AA/AA/NAF		NAF/A-1/F1/NAF	DTF 2008A-2b	10/25/2022	16,055,000	11/1/2030	4.000	-	-	-	-	-	16,055,000	15,792,478
NAF/AA/AA/NAF	NAF/AA+/AAA/NAF	NAF/A-1/F1/NAF		10/25/2022	16,630,000	11/1/2031	4.000	-	-	-	-	-	16,630,000	16,358,076
NAF/AA/AA/NAF			DTF 2008B-1	8/13/2013	5,695,000	11/15/2024	5.000		-	-	-	-	-	-
NAF/AA/AA/NAF			DTF 2008B-3b	10/3/2016	5,850,000	11/15/2028	5.000	-	-	-	-	-	4,665,000	-
NAF/AA/AA/NAF			DTF 2008B-3b	10/3/2016	31,735,000	11/15/2029	5.000	-	-	-	-	-	25,325,000	-
NAF/AA/AA/NAF			DTF 2008B-3b	10/3/2016	16,885,000	11/15/2030	5.000	-	-	-	-	-	13,470,000	-
NAF/AA/AA/NAF		NAF/A-1/F1/NAF		10/25/2022	15,590,000	11/1/2030	4.000		-	-	-	-	15,590,000	-
NAF/AA/AA/NAF		NAF/A-1/F1/NAF	DTF 2008B-3c	10/25/2022	22,250,000	11/1/2031	4.000		-	-	-	-	22,250,000	-
NAF/AA/AA/NAF		NAF/A-1/F1/NAF		10/25/2022	3,565,000	11/1/2033	4.000		-	-	-	-	3,565,000	-
NAF/AA/AA/NAF	NAF/AA+/AAA/NAF	NAF/A-1/F1/NAF		10/25/2022	3,335,000	11/1/2034	4.000		-	-	-	-	3,335,000	-
NAF/AA/AA/NAF			DTF 2008B-4 DTF 2009C Build America Bonds	8/13/2013	14,130,000 250,000,000	11/15/2024 11/15/2037	5.000	14,130,000	20.015.000	-	-	-	210 205 000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2009C Build America Bonds DTF 2009C Build America Bonds	4/30/2009 4/30/2009	250,000,000	11/15/2037	7.336 7.336		30,615,000 30,615,000	-	-		219,385,000 219,385,000	-
NAF/AA/AA/NAF			DTF 2009C Build America Bonds	4/30/2009	250,000,000	11/15/2039	7.336		30,615,000				219,385,000	
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	13,385,000	11/15/2024	5.455		30,013,000				213,303,000	
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	14,120,000	11/15/2025	5.535		14,120,000					-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	14,905,000	11/15/2026	5.989		14,905,000					-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	15,795,000	11/15/2027	5.989		15,795,000					-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	16,745,000	11/15/2028	5.989		16,745,000			_		-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	17,750,000	11/15/2029	5.989		17,750,000		-	-		-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	18,815,000	11/15/2030	5.989		18,815,000	-	-	-		-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	19,945,000	11/15/2031	6.089	-	19,945,000	-	-	-	-	-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	21,160,000	11/15/2032	6.089	-	21,160,000		-	-		-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	22,450,000	11/15/2033	6.089	-	22,450,000		-	-		-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	23,820,000	11/15/2034	6.089	-	23,820,000	-	-	-	-	-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	25,275,000	11/15/2035	6.089		25,275,000	-	-	-	-	-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	26,815,000	11/15/2036	6.089		26,815,000	-	-	-	-	-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	28,450,000	11/15/2037	6.089	-	28,450,000	-	-	-	-	-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	30,185,000	11/15/2038	6.089	-	30,185,000	-	-	-	-	-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	32,030,000	11/15/2039	6.089	-	32,030,000	-	-	-		-
NAF/AA/AA/NAF			DTF 2010A-2 Build America Bonds	3/25/2010	33,980,000	11/15/2040	6.089		33,980,000	-	-	-		-
NAF/AA/AA/NAF			DTF 2012A	10/25/2012	5,000,000 50,000,000	11/15/2024	2.500		-	-	-	-	50.000.000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2012A DTF 2012A	10/25/2012 10/25/2012	88,525,000	11/15/2028 11/15/2030	3.000	-	-	-	-	-	88,525,000	-
							-	-	-	-	-	-		-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2012A DTF 2016A	10/25/2012 3/10/2016	128,550,000 1,750,000	11/15/2032 11/15/2024	4.000	1.750.000	-	-	-	-	128,550,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	36,000,000	11/15/2024	5.000							
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	7,500,000	11/15/2025	4.000		-				7,500,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	39,300,000	11/15/2025	5.000						39,300,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	15,750,000	11/15/2026	4.000						15.750.000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	19,160,000	11/15/2026	5.000		-		-	-	19,160,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	36,495,000	11/15/2027	5.250	-	-	-	-	-	36,495,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	38,415,000	11/15/2028	5.250		-	-	-	-	38,415,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	40,435,000	11/15/2029	5.250	-	-	-	-	-	40,435,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	45,550,000	11/15/2030	5.250	-	23,340,000	-	-	-	22,210,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	47,940,000	11/15/2031	5.250		-	-	-	-	47,940,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	41,370,000	11/15/2032	5.250		8,750,000	-	-	-	32,620,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	6,990,000	11/15/2033	3.125		-	-	-	-	6,990,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	22,010,000	11/15/2033	5.250		16,420,000	-	-	-	5,590,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	1,475,000	11/15/2034	4.000		-	-	-	-	1,475,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	37,905,000	11/15/2034	5.250		-	-	-	-	37,905,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	2,050,000	11/15/2035	4.000		-	-	-	-	2,050,000	-
NAF/AA/AA/NAF			DTF 2016A	3/10/2016	39,380,000	11/15/2035	5.250		-	-	-	-	39,380,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2016A DTF 2016A	3/10/2016 3/10/2016	2,920,000 17,940,000	11/15/2036 11/15/2036	3.250 5.250	-	7.430.000	-	-	-	2,920,000 10.510.000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	5,215,000	11/15/2036	5.250	5,215,000	1,430,000	-	-	-	10,510,000	-
INAF/AA/AA/NAF			D1F 2010B-1	3/20/2010	3,213,000	11/13/2024	3.000	3,213,000	-	•	-	-	-	-

Total Bonds and Notes Issued in 2024

8,015,225,000

Disclosure for Fis	cal Year Ended 12	2/31/2024												
			Total Bonds and Not		8,015,225,000									
			New Money Bonds and Not Refunding Bonds and Not		4,800,940,000 3,214,285,000	ſ	Total	1,702,930,000	5,273,530,000		80,890,000	566,165,000	45,980,577,500	1,870,555,000
			nerunang bonas ana not	C5 1550CU 111 E0E4	3,224,203,000		10101	1,702,330,000	3,2,3,330,000				45,500,577,500	1,070,555,000
Hadadida I T Bakisas	Credit Supported L T	C T Datings						A	America Deferred	Amazzak Callad in	Amount in	Amount	A	Amount Command on of
Underlying L T Ratings Mdy/S&P/Ftch/Krll	Ratings Mdy/S&P/Ftch/Krll	S T Ratings Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	Amount Matured in 2024	in 2024	Amount Called in 2024	Redeemed in 2024	Refinanced in 2024	Amount Outstanding as of December 31, 2024	Amount Swapped as of December 31, 2024
NAF/AA/AA/NAF		Widy/3&F/FtCII/KIII	DTF 2016B-1	5/26/2016	5,475,000	11/15/2025	5.000	-	-	-	- 2024	-	5,475,000	- December 31, 2024
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	5,745,000	11/15/2026	5.000	-	-	-	-	-	5,745,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	6,035,000	11/15/2027	5.000	-	-	-	-	-	6,035,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	6,335,000	11/15/2028	5.000	-	-	-	-	-	6,335,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	6,655,000	11/15/2029	5.000	-	-	-	-	-	6,655,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2016B-1 DTF 2016B-1	5/26/2016 5/26/2016	6,985,000 7,335,000	11/15/2030 11/15/2031	5.000 5.000	-	-	-	-	-	6,985,000 7,335,000	
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	7,700,000	11/15/2032	5.000			-		-	7,700,000	_
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	8,085,000	11/15/2033	5.000	-	-	-	-	-	8,085,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	8,490,000	11/15/2034	5.000	-	-	-	-	-	8,490,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	8,915,000	11/15/2035	5.000	-	-	-	-	-	8,915,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	198,415,000	11/15/2036	5.000	-	-	-	-	-	198,415,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2016B-1 DTF 2016B-1	5/26/2016 5/26/2016	3,025,000 3,175,000	11/15/2037 11/15/2038	5.000 5.000	-	-	-	-	-	3,025,000 3,175,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	3,335,000	11/15/2038	5.000				-	-	3,335,000	
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	3,500,000	11/15/2040	5.000	_	-	_	-	_	3,500,000	_
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	3,675,000	11/15/2041	5.000	-	-	-	-	-	3,675,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	3,860,000	11/15/2042	5.000	-	-	-	-	-	3,860,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	4,055,000	11/15/2043	5.000	-	-	-	-	-	4,055,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	4,255,000	11/15/2044	5.000	-	-	-	-	-	4,255,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	4,470,000	11/15/2045	5.000	-	-	-	-	-	4,470,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2016B-1 DTF 2016B-1	5/26/2016 5/26/2016	4,690,000 4,925,000	11/15/2046 11/15/2047	5.000 5.000	-	-	-	-	-	4,690,000 4,925,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	5,175,000	11/15/2047	5.000	-	-	-	-	-	5,175,000	
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	5,430,000	11/15/2049	5.000			-		-	5,430,000	
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	5,705,000	11/15/2050	5.000				-		5,705,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	5,990,000	11/15/2051	5.000	-	-	-	-	-	5,990,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	6,285,000	11/15/2052	5.000	-	-	-	-	-	6,285,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	6,600,000	11/15/2053	5.000	-	-	-	-	-	6,600,000	-
NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	6,930,000	11/15/2054	5.000	-	-	-	-	-	6,930,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2016B-1	5/26/2016	7,280,000	11/15/2055 11/15/2056	5.000	-	-	-	-	-	7,280,000	-
NAF/AA/AA/NAF			DTF 2016B-1 DTF 2016B-2	5/26/2016 5/26/2016	7,640,000 14,170,000	11/15/2056	5.000 5.000	-	-	-	-	-	7,640,000 14,170,000	-
NAF/AA/AA/NAF			DTF 2016B-2	5/26/2016	14,875,000	11/15/2027	5.000	_		_		_	14,875,000	-
NAF/AA/AA/NAF			DTF 2016B-2	5/26/2016	15,615,000	11/15/2028	5.000						15,615,000	-
NAF/AA/AA/NAF			DTF 2016B-2	5/26/2016	16,400,000	11/15/2029	5.000	-	-	-	-	-	16,400,000	-
NAF/AA/AA/NAF			DTF 2016B-2	5/26/2016	17,220,000	11/15/2030	5.000	-	-	-	-	-	17,220,000	-
NAF/AA/AA/NAF			DTF 2016B-2	5/26/2016	7,955,000	11/15/2032	5.000	-	-	-	-	-	7,955,000	-
NAF/AA/AA/NAF			DTF 2016B-2	5/26/2016	10,900,000	11/15/2033	5.000	-	-	-	-	-	10,900,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2016B-2 DTF 2016B-2	5/26/2016 5/26/2016	11,445,000 12,020,000	11/15/2034 11/15/2035	5.000 5.000	-	-	-	-	-	11,445,000 12,020,000	-
NAF/AA/AA/NAF			DTF 2016B-2	5/26/2016	12,615,000	11/15/2035	5.000				-	-	12,615,000	
NAF/AA/AA/NAF			DTF 2016B-2	5/26/2016	13,250,000	11/15/2037	5.000	_	-	_	-	_	13,250,000	_
NAF/AA/AA/NAF			DTF 2016B-2	5/26/2016	8,865,000	11/15/2038	4.000	-	-	-	-	-	8,865,000	-
NAF/AA/AA/NAF			DTF 2016B-2	5/26/2016	5,045,000	11/15/2038	5.000	-	-	-	-	-	5,045,000	-
NAF/AA/AA/NAF			DTF 2016B-2	5/26/2016	7,220,000	11/15/2039	3.000	-	-	-	-	-	7,220,000	-
NAF/AA/AA/NAF			DTF 2016B-2	5/26/2016	7,295,000	11/15/2039	5.000	-	-	-	-	-	7,295,000	-
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	3,950,000	11/15/2024	5.000	3,950,000	-	-	-	-		-
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	4,145,000	11/15/2025	5.000		-	-	-	-	4,145,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2017A DTF 2017A	2/23/2017 2/23/2017	4,355,000 4,570,000	11/15/2026 11/15/2027	5.000 5.000		-	-	-	-	4,355,000 4,570,000	
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	4,800,000	11/15/2028	5.000			-	-	-	4,800,000	-
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	5,040,000	11/15/2029	5.000	-	-	-	-	-	5,040,000	-
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	5,290,000	11/15/2030	3.000	-	-	-	-	-	5,290,000	-
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	5,450,000	11/15/2031	5.000	-	-	-	-	-	5,450,000	-
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	5,725,000	11/15/2032	5.000	-	-	-	-	-	5,725,000	-
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	6,010,000	11/15/2033	5.000	-	-	-	-	-	6,010,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2017A DTF 2017A	2/23/2017	7,750,000	11/15/2034 11/15/2034	3.500 5.000	-	-	-	-	-	7,750,000	-
NAF/AA/AA/NAF			DTF 2017A	2/23/2017 2/23/2017	17,250,000 55,000,000	11/15/2034	5.000	-	-	-	-		17,250,000 55,000,000	
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	15,000,000	11/15/2035	4.000	-	-	-	-	-	15,000,000	
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	9,355,000	11/15/2036	5.000	-	-	-	-	-	9,355,000	-
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	9,825,000	11/15/2037	5.000	-	-	-	-	-	9,825,000	
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	10,315,000	11/15/2038	5.000	-	-	-	-	-	10,315,000	-
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	1,480,000	11/15/2039	4.000	-	-	-	-	-	1,480,000	-
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	9,350,000	11/15/2039	5.000	-	-	-	-	-	9,350,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2017A DTF 2017A	2/23/2017 2/23/2017	1,540,000 9,820,000	11/15/2040 11/15/2040	4.000 5.000	-	-	-	-	-	1,540,000 9,820,000	-
NAF/AA/AA/NAF			DTF 2017A DTF 2017A	2/23/2017	1,600,000	11/15/2040	4.000	-	-	-	-	-	1,600,000	-
NAF/AA/AA/NAF			DTF 2017A DTF 2017A	2/23/2017	10,310,000	11/15/2041	5.000	-	-	-	-	-	1,800,000	
NAF/AA/AA/NAF			DTF 2017A	2/23/2017	1,665,000	11/15/2042	4.000	-	-	_	-		1,665,000	-

NAF/AA/AA/NAF

4.000

1,665,000

1,665,000 11/15/2042

DTF 2017A

2/23/2017

Total Bonds and Notes Issued in 2024 8,015,225,000 New Money Bonds and Notes Issued in 2024 4,800,940,000 3,214,285,000 1,702,930,000 80,890,000 566,165,000 45,980,577,500 1,870,555,000 Refunding Bonds and Notes Issued in 2024 Total 5.273.530.000 Credit Supported L T Amount Amount Underlying L T Ratings Amount Matured in Amount Defeased Amount Called in Refinanced in Amount Swapped as of Ratings S T Ratings Redeemed in **Amount Outstanding as** Mdy/S&P/Ftch/Krll Mdy/S&P/Ftch/Krll Mdy/S&P/Ftch/Krll Series **Date Issued** Amount Issued Maturity in 2024 2024 2024 of December 31, 2024 December 31, 2024 Coupon 2024 NAF/AA/AA/NA DTF 2017A 2/23/2017 10,825,000 11/15/2042 5.000 10,825,000 NAF/AA/AA/NAF DTF 2017A 2/23/2017 13,095,000 11/15/2043 13,095,000 5.000 NAF/AA/AA/NAF DTF 2017A 13,750,000 11/15/2044 13,750,000 2/23/2017 5.000 NAF/AA/AA/NAF DTF 2017A 2/23/2017 14.440.000 11/15/2045 5.000 14.440.000 NAF/AA/AA/NAF DTF 2017A 15.160.000 15.160.000 2/23/2017 11/15/2046 5.000 NAF/AA/AA/NAF DTF 2017A 2/23/2017 15.920.000 11/15/2047 5.000 15.920.000 DTF 2017B-1 5/17/2017 1,795,000 NAF/AA/AA/NAF 11/15/2024 4.000 1,795,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 1.860.000 11/15/2025 4 000 1 860 000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 2.645.000 11/15/2026 5 000 2.645.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 14,040,000 11/15/2027 5.000 14,040,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 6,665,000 11/15/2028 5.000 6,665,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 12,160,000 11/15/2029 5.000 12.160.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 7,735,000 11/15/2030 5.000 7,735,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 5,585,000 11/15/2031 5.000 5.585.000 NAF/AA/AA/NAF DTF 2017B-1 8,090,000 8,090,000 5/17/2017 11/15/2032 5.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 6,870,000 11/15/2033 5.000 6,870,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 22,470,000 11/15/2034 5.000 22,470,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 33,940,000 11/15/2035 5.000 33,940,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 4,825,000 11/15/2036 5.000 4,825,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 5,060,000 11/15/2037 5.000 5,060,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 5.320.000 11/15/2038 3.500 5.320.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 5.500.000 11/15/2039 5.000 5.500.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 5.775.000 11/15/2040 5.000 5.775.000 NAF/AA/AA/NAF DTF 2017R-1 5/17/2017 6.070.000 11/15/2041 5 000 6.070.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 6.370.000 11/15/2042 5.000 6.370.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 6,690,000 11/15/2043 5.000 6.690.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 7,020,000 11/15/2044 5.000 7.020.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 7.375.000 11/15/2045 5.000 7.375.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 7,745,000 11/15/2046 5.000 7,745,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 8,130,000 11/15/2047 5.000 8,130,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 200,000 11/15/2048 5.000 200,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 8,340,000 11/15/2048 8,340,000 4.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 200,000 11/15/2049 5.000 200,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 8,685,000 11/15/2049 4.000 8.685.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 200,000 11/15/2050 5.000 200,000 NAF/AA/AA/NAF 9,040,000 DTF 2017B-1 5/17/2017 11/15/2050 4.000 9.040.000 5/17/2017 NAF/AA/AA/NAF DTF 2017B-1 200.000 11/15/2051 5.000 200.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 9.415.000 11/15/2051 4.000 9.415.000 ΝΔΕ/ΔΔ/ΔΔ/ΝΔΕ DTF 2017R-1 5/17/2017 200 000 11/15/2052 5 000 200 000 DTF 2017B-1 9.800.000 NAF/AA/AA/NAF 5/17/2017 11/15/2052 4.000 9.800.000 5/17/2017 10,395,000 NAF/AA/AA/NAF DTF 2017B-1 11/15/2053 5.250 10.395.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 10.940.000 11/15/2054 5.250 10.940.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 11.515.000 11/15/2055 5.250 11.515.000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 12,120,000 11/15/2056 5.250 12,120,000 NAF/AA/AA/NAF DTF 2017B-1 5/17/2017 12,755,000 11/15/2057 5.250 12,755,000 NAF/AA/AA/NAF DTF 2017B-2 Refunding Green Bonds 5/17/2017 18,650,000 11/15/2024 5.000 18,650,000 NAF/AA/AA/NAF DTF 2017B-2 Refunding Green Bonds 5/17/2017 19,635,000 11/15/2025 5.000 19,635,000 NAF/AA/AA/NAF DTF 2017B-2 Refunding Green Bonds 20,675,000 20,675,000 5/17/2017 11/15/2026 5.000 NAF/AA/AA/NAF 21,655,000 DTF 2017B-2 Refunding Green Bonds 5/17/2017 11/15/2027 5.000 21.655.000 NAF/AA/AA/NAF DTF 2017B-2 Refunding Green Bonds 5/17/2017 19,720,000 11/15/2028 19,720,000 5.000 NAF/AA/AA/NAF DTF 2017B-2 Refunding Green Bonds 5/17/2017 17,785,000 11/15/2031 5.000 17,785,000 NAF/AA/AA/NAF DTF 2017B-2 Refunding Green Bonds 5/17/2017 18,675,000 11/15/2032 18,675,000 4.000 NAF/AA/AA/NAF DTF 2017B-2 Refunding Green Bonds 5/17/2017 45,285,000 11/15/2033 5.000 45,285,000 NAF/AA/AA/NAF DTF 2017B-2 Refunding Green Bonds 5/17/2017 30,000,000 11/15/2033 3.125 30,000,000 NAF/AA/AA/NAF DTF 2017B-2 Refunding Green Bonds 5/17/2017 40.000.000 11/15/2033 5.250 40.000.000 NAF/AA/AA/NAF DTF 2017B-2 Refunding Green Bonds 5/17/2017 50.000.000 11/15/2033 50.000.000 4.000 NAF/AA/AA/NAF DTF 2017B-2 Refunding Green Bonds 5/17/2017 27.190.000 11/15/2034 5.000 27.190.000 NAF/AA/AA/NAF DTF 2017B-2 Refunding Green Bonds 5/17/2017 20.000.000 11/15/2034 4 000 20 000 000 Δ3/ΝΔΕ/ΝΔΕ/Δ-HRY 2016A 9/22/2016 307 000 000 11/15/2051 5 000 307 000 000 A3/NAF/NAF/A-HRY 2016A 9/22/2016 375,430,000 11/15/2056 5.000 375,430,000 1/1/2024 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1/NR TBTA 2001C 6/22/2023 7,140,000 4.000 7,140,000 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1/NF TBTA 2001C 6/22/2023 7.425.000 1/1/2025 4.000 7.425.000 651.125 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1/NR TBTA 2001C 6/22/2023 7,725,000 1/1/2026 4.000 7,725,000 677,433 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1/NF TBTA 2001C 6/22/2023 8,030,000 704,180 1/1/2027 4.000 8.030.000 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1/NF TBTA 2001C 6/22/2023 8.350.000 1/1/2028 4.000 8.350.000 732.242 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1/NF TBTA 2001C 6/22/2023 8,690,000 1/1/2029 4.000 8,690,000 762,058 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1/NF TBTA 2001C 6/22/2023 9,035,000 1/1/2030 4.000 9,035,000 792,312 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1/NF TBTA 2001C 6/22/2023 9,395,000 1/1/2031 4.000 9,395,000 823.882 TBTA 2001C 9,770,000 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1/NF 6/22/2023 1/1/2032 4.000 9,770,000 856,767 Aa3/AA-/AA-/AA TBTA 2002F 10/27/2021 8,915,000 11/1/2024 4.000 8,915,000

TBTA 2002F

10/27/2021

9.270.000

11/1/2025

Aa3/AA-/AA-/AA

4.000

9,270,000

New Money Bonds and Notes Issued in 2024 4,800,940,000 3,214,285,000 45,980,577,500 1,870,555,000 Refunding Bonds and Notes Issued in 2024 Total 1.702.930.000 5.273.530.000 80.890.000 566.165.000 Credit Supported L T Amount Amount Underlying L T Ratings Amount Called in Ratings S T Ratings Amount Matured in Amount Defeased Redeemed in Refinanced in **Amount Outstanding as** Amount Swapped as of Mdy/S&P/Ftch/Krll Mdy/S&P/Ftch/Krll Mdy/S&P/Ftch/Krll Series Date Issued Maturity in 2024 2024 2024 of December 31, 2024 December 31, 2024 Amount Issued Coupon 2024 TBTA 2002F 10/27/2021 9,640,000 11/1/2026 Aa3/AA-/AA-/AA 5.000 9,640,000 TBTA 2002F 10,025,000 Aa3/AA-/AA-/AA 10/27/2021 10.025.000 11/1/2027 5.000 Aa3/AA-/AA-/AA TBTA 2002F 10/27/2021 10.430.000 11/1/2028 5.000 10.430.000 Aa3/AA-/AA-/AA TBTA 2002F 10.850.000 11/1/2029 10.850.000 10/27/2021 5.000 Aa3/AA-/AA-/AA 11.285.000 TBTA 2002F 10/27/2021 11/1/2030 5.000 11.285.000 Aa3/AA-/AA-/AA TBTA 2002F 10/27/2021 11.740.000 11/1/2031 5.000 11.740.000 12,210,000 Aa3/AA-/AA-/AA TBTA 2002F 10/27/2021 11/1/2032 5.000 12,210,000 Aa3/AA-/AA-/AA Δa1/ΔΔΔ/ΔΔ+/NR VMIG 1/Δ-1+/F1+/NR TRTA 2003R-1 1/19/2022 7.540.000 1/1/2024 4 000 7.540.000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG 1/A-1+/F1+/NF TRTA 2003R-1 1/19/2022 7.835.000 1/1/2025 4 000 7 835 000 4 371 672 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG 1/A-1+/F1+/NF TBTA 2003B-1 1/19/2022 8,155,000 1/1/2026 4.000 8,155,000 4,550,221 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG 1/A-1+/F1+/NR TBTA 2003B-1 1/19/2022 8,480,000 1/1/2027 4.000 8,480,000 4,731,560 4.000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG 1/A-1+/F1+/NR TBTA 2003B-1 1/19/2022 8,820,000 1/1/2028 8.820.000 4,921,269 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG 1/A-1+/F1+/NF TBTA 2003B-1 1/19/2022 9,165,000 4.000 9,165,000 5,113,768 1/1/2029 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG 1/A-1+/F1+/NI TBTA 2003B-1 1/19/2022 9.535.000 1/1/2030 4.000 9.535.000 5.320.215 Aa1/AAA/AA+/NR VMIG 1/A-1+/F1+/NF 9,920,000 Aa3/AA-/AA-/AA TBTA 2003B-1 1/19/2022 9.920.000 1/1/2031 4.000 5.535.033 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG 1/A-1+/F1+/NF TBTA 2003B-1 1/19/2022 10,310,000 1/1/2032 4.000 10,310,000 5,752,640 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG 1/A-1+/F1+/NF TBTA 2003B-1 1/19/2022 9,335,000 1/1/2033 4.000 9,335,000 5,208,622 Aa3/AA-/AA-/AA TBTA 2003B-2 12/3/2019 2,480,000 1/1/2024 4.000 2,480,000 Aa3/AA-/AA-/AA TBTA 2003B-2 7/18/2024 2,580,000 1/1/2025 4.000 2,580,000 2,580,000 2,580,000 2,680,000 2,680,000 Aa3/AA-/AA-/AA TBTA 2003B-2 7/18/2024 2,680,000 1/1/2026 4.000 2,680,000 Aa3/AA-/AA-/AA TBTA 2003B-2 7/18/2024 2.790.000 1/1/2027 4.000 2.790.000 2.790.000 2.790.000 Aa3/AA-/AA-/AA TBTA 2003B-2 7/18/2024 2.900.000 1/1/2028 4.000 2.900.000 2.900.000 2.900.000 Aa3/AA-/AA-/AA TBTA 2003B-2 7/18/2024 3.020.000 1/1/2029 4.000 3.020.000 3.020.000 3.020.000 Aa3/AA-/AA-/AA TRTA 2003R-2 7/18/2024 3 140 000 1/1/2030 4 000 3 140 000 3 140 000 3 140 000 Aa3/AA-/AA-/AA TBTA 2003B-2 7/18/2024 3.260.000 1/1/2031 4.000 3,260,000 3.260.000 3.260.000 Aa3/AA-/AA-/AA TBTA 2003B-2 7/18/2024 3.400.000 1/1/2032 4.000 3.400.000 3.400.000 3.400.000 Aa3/AA-/AA-/AA TBTA 2003B-2 7/18/2024 3.080.000 1/1/2033 4.000 3.080.000 3.080.000 3.080.000 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1/NF TBTA 2005A 1/24/2020 102.070.000 11/1/2041 4.000 102.070.000 13.260.000 Aa3/AA-/AA-/AA Aa1/AAA/AAA/NR VMIG 1/A-1+/F1+/NR TBTA 2005B-2a 1/21/2021 5,100,000 1/1/2024 4.000 5,100,000 Aa3/AA-/AA-/AA Aa1/AAA/AAA/NR VMIG 1/A-1+/F1+/NR TBTA 2005B-2a 1/21/2021 500,000 1/1/2025 4.000 500,000 500,000 Aa3/AA-/AA-/AA Aa1/AAA/AAA/NR VMIG 1/A-1+/F1+/NR TBTA 2005B-2a 1/21/2021 500,000 1/1/2026 4.000 500,000 500,000 Aa3/AA-/AA-/AA Aa1/AAA/AAA/NR VMIG 1/A-1+/F1+/NF TBTA 2005B-2a 1/21/2021 600,000 1/1/2027 4.000 600,000 600,000 Aa3/AA-/AA-/AA Aa1/AAA/AAA/NR VMIG 1/A-1+/F1+/NF TBTA 2005B-2a 1/21/2021 3,200,000 1/1/2028 4.000 3,200,000 3,200,000 Aa3/AA-/AA-/AA Aa1/AAA/AAA/NR VMIG 1/A-1+/F1+/NF TBTA 2005B-2a 1/21/2021 18.800.000 1/1/2029 4.000 18.800.000 18.800.000 Aa3/AA-/AA-/AA Aa1/AAA/AAA/NR VMIG 1/A-1+/F1+/NF TBTA 2005B-2a 19,300,000 19,300,000 19,300,000 1/21/2021 1/1/2030 4.000 Aa3/AA-/AA-/AA Aa1/AAA/AAA/NR VMIG 1/A-1+/F1+/NF TBTA 2005B-2a 1/21/2021 21.900.000 1/1/2031 4.000 21.900.000 21.900.000 Aa3/AA-/AA-/AA Aa1/AAA/AAA/NR VMIG 1/A-1+/F1+/NF TBTA 2005B-2a 1/21/2021 22,600,000 1/1/2032 22.600.000 22.600.000 4.000 TBTA 2005B-3 10.300.000 Aa3/AA-/AA-/AA Aa1/AA+/AAA/NR VMIG 1/A-1/F1+/NF 6/22/2023 1/1/2024 4.000 10.300.000 Δα3/ΔΔ-/ΔΔ-/ΔΔ $\Delta_{a1}/\Delta_{\Delta+}/\Delta_{\Delta}/NR$ VMIG 1/Δ-1/F1+/NE TRTA 2005R-3 6/22/2023 1 000 000 1/1/2025 4 000 1 000 000 1 000 000 Aa1/AA+/AAA/NR TBTA 2005B-3 1.000.000 Aa3/AA-/AA-/AA VMIG 1/A-1/F1+/NF 6/22/2023 1.000.000 1/1/2026 4.000 1.000.000 Aa3/AA-/AA-/AA Aa1/AA+/AAA/NR VMIG 1/A-1/F1+/NF TBTA 2005B-3 6/22/2023 1.100.000 1/1/2027 4.000 1.100.000 1.100.000 Aa3/AA-/AA-/AA Aa1/AA+/AAA/NR VMIG 1/A-1/F1+/NF TBTA 2005B-3 6/22/2023 6.400.000 1/1/2028 4.000 6.400.000 6.400.000 Aa3/AA-/AA-/AA Aa1/AA+/AAA/NR VMIG 1/A-1/F1+/NF TRTA 2005R-3 6/22/2023 99.925.000 1/1/2034 4 000 99.925.000 99.925.000 Aa3/AA-/AA-/AA Aa1/AA+/AAA/NR VMIG 1/A-1/F1+/NF TBTA 2005B-3 6/22/2023 65,275,000 1/1/2035 4.000 65,275,000 65,275,000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG1/A-1+/F1+/NF TBTA 2005B-4a 12/13/2023 10,300,000 1/1/2024 4.000 10,300,000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG1/A-1+/F1+/NR TBTA 2005B-4a 12/13/2023 1/1/2025 4.000 1,000,000 1.000.000 1,000,000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG1/A-1+/F1+/NF TBTA 2005B-4a 12/13/2023 1,000,000 1,000,000 1/1/2026 4.000 1,000,000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG1/A-1+/F1+/NF TBTA 2005B-4a 12/13/2023 1,100,000 1/1/2027 4.000 1,100,000 1,100,000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG1/A-1+/F1+/NF TBTA 2005B-4a 12/13/2023 6.400.000 1/1/2028 4.000 6,400,000 6.400.000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG1/A-1+/F1+/NF TBTA 2005B-4a 12/13/2023 37,500,000 1/1/2029 4.000 37,500,000 37,500,000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG1/A-1+/F1+/NF TBTA 2005B-4a 12/13/2023 45.200.000 1/1/2032 4.000 45.200.000 45.200.000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG 1/A-1+/F1+/NF TBTA 2005B-4c 38,700,000 5/20/2022 38.700.000 1/1/2030 4.000 38.700.000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR VMIG 1/A-1+/F1+/NF TBTA 2005B-4c 5/20/2022 43,800,000 1/1/2031 4.000 43,800,000 43.800.000 Aa3/AA-/AA-/AA TBTA 2008B-2 10/27/2021 9,160,000 11/15/2025 9,160,000 4.000 Aa3/AA-/AA-/AA TBTA 2008B-2 10/27/2021 28.755.000 11/15/2026 5.000 28.755.000 Aa3/AA-/AA-/AA TBTA 2008B-2 10/27/2021 15.090.000 11/15/2027 15.090.000 5.000 Aa3/AA-/AA-/AA TBTA 2008B-3 11/16/2015 1.790.000 11/15/2033 5.000 1.550.000 Aa3/AA-/AA-/AA TRTA 2008R-3 11/16/2015 19.115.000 11/15/2034 5 000 16 580 000 Δα3/ΔΔ-/ΔΔ-/ΔΔ TRTA 2008R-3 11/16/2015 10 080 000 11/15/2035 5 000 8 740 000 Aa3/AA-/AA-/AA TBTA 2008B-3 11/16/2015 12,485,000 11/15/2036 5.000 10,830,000 Aa3/AA-/AA-/AA TBTA 2008B-3 11/16/2015 17,385,000 11/15/2037 15.080.000 5.000 Aa3/AA-/AA-/AA TBTA 2008B-3 11/16/2015 24,170,000 11/15/2038 5.000 20,965,000 Aa3/AA-/AA-/AA TBTA 2009A-1 11/15/2012 4,205,000 11/15/2024 1,400,000 2.625 TBTA 2009B Build America Bonds 35,640,000 Aa3/AA-/AA-/AA 9/17/2009 11/15/2035 5.420 35.640.000 Aa3/AA-/AA-/AA TBTA 2009B Build America Bonds 9/17/2009 37.700.000 11/15/2036 5.420 37.700.000 Aa3/AA-/AA-/AA TBTA 2009B Build America Bonds 9/17/2009 39,875,000 11/15/2037 5.500 39,875,000 Aa3/AA-/AA-/AA TBTA 2009B Build America Bonds 9/17/2009 42,175,000 11/15/2038 5.500 42,175,000 Aa3/AA-/AA-/AA TBTA 2009B Build America Bonds 9/17/2009 44,610,000 11/15/2039 5.500 44,610,000 Aa3/AA-/AA-/AA TBTA 2010A-2 Build America Bonds 10/28/2010 9,665,000 11/15/2024 4.750 9,665,000 Aa3/AA-/AA-/AA 10/28/2010 10,095,000 11/15/2025 10,095,000 TBTA 2010A-2 Build America Bonds 5.000 Aa3/AA-/AA-/AA 10.550.000 11/15/2026 TBTA 2010A-2 Build America Bonds 10/28/2010 5.150 10.550.000

Total Bonds and Notes Issued in 2024

8,015,225,000

Disclosure for Fisc	cal Year Ended 12	/31/2024												
			Total Bonds and Not		8,015,225,000									
			New Money Bonds and Not		4,800,940,000	Г		4 702 020 000	5 272 520 000		00.000.000	555 455 000	45 000 577 500	4.070.555.000
			Refunding Bonds and Not	es issued in 2024	3,214,285,000		Total	1,702,930,000	5,273,530,000	-	80,890,000	566,165,000	45,980,577,500	1,870,555,000
	Credit Supported L T										Amount	Amount		
Underlying L T Ratings	Ratings	S T Ratings						Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	2024	<u>in 2024</u>	2024	2024	2024	of December 31, 2024	December 31, 2024
Aa3/AA-/AA-/AA			TBTA 2010A-2 Build America Bonds	10/28/2010	11,105,000	11/15/2027	5.300	-	11,105,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2010A-2 Build America Bonds	10/28/2010	11,695,000	11/15/2028	5.450	-	11,695,000	-	-	-	-	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2010A-2 Build America Bonds TBTA 2010A-2 Build America Bonds	10/28/2010 10/28/2010	12,315,000 12,965,000	11/15/2029 11/15/2030	5.450 5.450	-	12,315,000 12,965,000	-	-	-	•	-
Aa3/AA-/AA-/AA			TBTA 2010A-2 Build America Bonds	10/28/2010	13,650,000	11/15/2030	5.450		13,650,000			-		-
Aa3/AA-/AA-/AA			TBTA 2010A-2 Build America Bonds	10/28/2010	14,395,000	11/15/2032	5.450		14,395,000	_	_	_		-
Aa3/AA-/AA-/AA			TBTA 2010A-2 Build America Bonds	10/28/2010	15,175,000	11/15/2033	5.550	-	15,175,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2010A-2 Build America Bonds	10/28/2010	16,000,000	11/15/2034	5.550	-	16,000,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2010A-2 Build America Bonds	10/28/2010	16,870,000	11/15/2035	5.550	-	16,870,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2010A-2 Build America Bonds	10/28/2010	17,790,000	11/15/2036	5.550	-	17,790,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2010A-2 Build America Bonds TBTA 2010A-2 Build America Bonds	10/28/2010 10/28/2010	18,765,000 19.800.000	11/15/2037 11/15/2038	5.550 5.550	-	18,765,000 19.800.000	-	-	-	-	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2010A-2 Build America Bonds TBTA 2010A-2 Build America Bonds	10/28/2010	20,885,000	11/15/2038	5.550	-	20,885,000	-	-	-	•	-
Aa3/AA-/AA-/AA			TBTA 2010A-2 Build America Bonds	10/28/2010	22,035,000	11/15/2040	5.550		22,035,000					-
Aa3/AA-/AA-/AA			TBTA 2010A-2 build America bonds	6/6/2012	12,195,000	11/15/2040	4.000		12,195,000	_	_	_		-
Aa3/AA-/AA-/AA			TBTA 2012A	6/6/2012	12,685,000	11/15/2041	4.000	-	12,685,000	-		-		-
Aa3/AA-/AA-/AA			TBTA 2012A	6/6/2012	13,195,000	11/15/2042	4.000	-		-	-	-	13,195,000	-
Aa3/AA-/AA-/AA			TBTA 2012B	8/23/2012	15,000,000	11/15/2027	-	-	-	-	-	-	15,000,000	-
Aa3/AA-/AA-/AA			TBTA 2012B	8/23/2012	15,000,000	11/15/2028	-	-	-	-	-	-	15,000,000	-
Aa3/AA-/AA-/AA			TBTA 2012B	8/23/2012	15,000,000	11/15/2029	-	-	-	-	-	-	15,000,000	-
Aa3/AA-/AA-/AA			TBTA 2012B	8/23/2012	10,000,000	11/15/2030	-	-	-	-	-	-	10,000,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2012B TBTA 2012B	8/23/2012 8/23/2012	10,000,000 166,500,000	11/15/2031 11/15/2032	-		-	-	-	-	10,000,000 166,500,000	-
Aa3/AA-/AA-/AA			TBTA 2013C	4/18/2013	2,785,000	11/15/2032	3.750	-		-		_	2,785,000	-
Aa3/AA-/AA-/AA			TBTA 2013C	4/18/2013	2,885,000	11/15/2040	3.750	-	_	_	_	_	2,885,000	-
Aa3/AA-/AA-/AA			TBTA 2013C	4/18/2013	2,995,000	11/15/2041	3.750	-	-	-	-	-	2,995,000	-
Aa3/AA-/AA-/AA			TBTA 2013C	4/18/2013	3,110,000	11/15/2042	3.750	-	-	-	-	-	3,110,000	-
Aa3/AA-/AA-/AA			TBTA 2013C	4/18/2013	3,225,000	11/15/2043	3.750	-	-	-	-	-	3,225,000	-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	7,360,000	11/15/2029	5.000	-	7,360,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	7,725,000	11/15/2030	5.000	-	7,725,000	-	-	-	-	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2014A TBTA 2014A	2/6/2014 2/6/2014	8,110,000 8,520,000	11/15/2031 11/15/2032	5.000 4.000	-	8,110,000 8,520,000	-	-	-	•	-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	8,860,000	11/15/2032	5.000		8,860,000					-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	9,300,000	11/15/2034	4.000		9,300,000					-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	9,675,000	11/15/2035	4.000	-	9,675,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	485,000	11/15/2036	4.250	-	485,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	9,575,000	11/15/2036	5.000	-	9,575,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	505,000	11/15/2037	4.250	-	505,000	-	-	-	-	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2014A TBTA 2014A	2/6/2014 2/6/2014	10,055,000 530,000	11/15/2037 11/15/2038	5.000 4.250	-	10,055,000 530,000	-	-	-	-	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2014A TBTA 2014A	2/6/2014	10,555,000	11/15/2038	4.250 5.000	-	10,555,000	-	-	-	•	-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	550,000	11/15/2039	4.250		550,000					-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	11,085,000	11/15/2039	5.000		11,085,000					-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	7,615,000	11/15/2040	5.000	-	7,615,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	4,595,000	11/15/2040	4.375	-	4,595,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	8,005,000	11/15/2041	5.000	-	8,005,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	4,790,000	11/15/2041	4.375	-	4,790,000	-	-	-	-	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2014A TBTA 2014A	2/6/2014 2/6/2014	8,415,000 4,990,000	11/15/2042 11/15/2042	5.000 4.375	-	8,415,000 4.990,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2014A TBTA 2014A	2/6/2014	4,990,000 8,840,000	11/15/2042	4.373 5.000	-	4,990,000 8.840.000	-	-	-		-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	5,205,000	11/15/2043	4.375	-	5,205,000	-		-		-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	9,295,000	11/15/2044	5.000		9,295,000					-
Aa3/AA-/AA-/AA			TBTA 2014A	2/6/2014	5,420,000	11/15/2044	4.375	-	5,420,000	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	3,880,000	11/15/2024	5.000	3,880,000	-	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	4,950,000	11/15/2029	5.000	-	-	-	-	-	4,950,000	-
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	5,200,000	11/15/2030	5.000	-	-	-	-	-	5,200,000	-
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	5,460,000	11/15/2031	5.000	-	-	-	-	-	5,460,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2015A TBTA 2015A	5/15/2015 5/15/2015	5,730,000 6,020,000	11/15/2033 11/15/2034	5.000 3.250		-	-	-	-	5,730,000 6,020,000	-
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	6,215,000	11/15/2034	5.000	-	-	-	-	-	6,215,000	-
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	6,525,000	11/15/2036	5.000	-	-	-	-	-	6,525,000	-
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	6,850,000	11/15/2037	5.000	-	-	-	-	-	6,850,000	-
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	7,195,000	11/15/2038	5.000	-	-	-	-	-	7,195,000	-
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	7,555,000	11/15/2039	5.000	-	-	-	-	-	7,555,000	-
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	7,930,000	11/15/2040	5.000	-	-	-	-	-	7,930,000	-
Aa3/AA-/AA-/AA			TBTA 2015A TBTA 2015A	5/15/2015	8,330,000	11/15/2041	5.250 5.250	-	-	-	-	-	8,330,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2015A TBTA 2015A	5/15/2015 5/15/2015	8,765,000 9,225,000	11/15/2042 11/15/2043	5.250 5.250	-	-	-	-	-	8,765,000 9,225,000	•
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2015A TBTA 2015A	5/15/2015	9,225,000	11/15/2043	5.250	-	-	-	-	-	9,225,000	
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	10,220,000	11/15/2044	5.250	-	-		-	-	10,220,000	-
Δα3/ΔΔ-/ΔΔ-/ΔΔ			TRTA 2015A	5/15/2015	10.755.000	11/15/2046	5.000						10.755.000	_

Aa3/AA-/AA-/AA

5.000

10,755,000

TBTA 2015A

5/15/2015

10,755,000

11/15/2046

isc	al Year Ended 12/	/31/2024											
			Total Bonds and N	Notes Issued in 2024	8,015,225,000								
			New Money Bonds and N	Notes Issued in 2024	4,800,940,000	_							
			Refunding Bonds and N	Notes Issued in 2024	3,214,285,000		Total	1,702,930,000	5,273,530,000	-	80,890,000	566,165,000	45,980,577,500
	Credit Supported L T										Amount	Amount	
gs	Ratings	S T Ratings						Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as
1	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024
AA			TBTA 2015A	5/15/2015	11,295,000	11/15/2047	5.000	-	-	-	-	-	11,295,000
AA			TBTA 2015A	5/15/2015	11,860,000	11/15/2048	5.000	-	-	-	-	-	11,860,000
AA			TBTA 2015A	5/15/2015	12,450,000	11/15/2049	5.000	-	-	-	-	-	12,450,000
AA			TBTA 2015A	5/15/2015	13,075,000	11/15/2050	5.000	-	-	-	-	-	13,075,000
AA			TBTA 20158	3 11/16/2015	1,530,000	11/15/2024	5.000	1,530,000	-	-	-	-	
AA			TBTA 20158	11/16/2015	1,605,000	11/15/2025	5.000	-	-	-	-	-	1,605,000
AA			TBTA 20158	11/16/2015	1,685,000	11/15/2026	5.000	-	-	-	-	-	1,685,000
۸۸			TDTA 2015	11/16/2015	1 770 000	11/15/2027	E 000						1 770 000

1,870,555,000

	Credit Supported L T										Amount	Amount		
Underlying L T Ratings	Ratings	S T Ratings						Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	11,295,000	11/15/2047	5.000					-	11,295,000	
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	11,860,000	11/15/2048	5.000	_			_		11,860,000	_
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	12,450,000	11/15/2049	5.000						12,450,000	
									-	-	-	-		-
Aa3/AA-/AA-/AA			TBTA 2015A	5/15/2015	13,075,000	11/15/2050	5.000	-	-	-	-	-	13,075,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	1,530,000	11/15/2024	5.000	1,530,000	-	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	1,605,000	11/15/2025	5.000	-	-	-	-	-	1,605,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	1,685,000	11/15/2026	5.000	-	-		-	-	1,685,000	
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	1,770,000	11/15/2027	5.000					-	1,770,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	1,860,000	11/15/2028	5.000						1,860,000	
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	1,955,000	11/15/2029	5.000						1,955,000	
									-	-	-	-		-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	2,050,000	11/15/2030	5.000	-	-		-	-	2,050,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	2,155,000	11/15/2031	5.000	-	-	-	-	-	2,155,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	2,260,000	11/15/2033	5.000	-	-	-	-	-	2,260,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	2,375,000	11/15/2034	5.000		-		-	-	2,375,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	2,495,000	11/15/2035	5.000	-	-	-	-	-	2,495,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	2,620,000	11/15/2036	5.000				_	_	2,620,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	2,750,000	11/15/2037	5.000	_			_		2,750,000	_
Aa3/AA-/AA			TBTA 2015B	11/16/2015	2,885,000	11/15/2038	5.000	-	-	-	-	-	2,885,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	3,030,000	11/15/2039	5.000	-	-	-	-	-	3,030,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	3,180,000	11/15/2040	5.000	-	-	-	-	-	3,180,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	3,340,000	11/15/2041	5.000		-		-	-	3,340,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	3,505,000	11/15/2042	5.000					-	3,505,000	-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	3,685,000	11/15/2043	5.000						3,685,000	
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	3,865,000	11/15/2044	5.000						3,865,000	
									-	-	-	-		-
Aa3/AA-/AA-/AA			TBTA 2015B	11/16/2015	4,060,000	11/15/2045	5.000		-	-	-	-	4,060,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	51,315,000	11/15/2024	5.000	51,315,000	-	-	-	-	-	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	22,265,000	11/15/2025	5.000	-	-	-	-	-	22,265,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	21,820,000	11/15/2026	5.000		-		-	-	21,820,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	8,275,000	11/15/2027	5.000					-	8,275,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	17,515,000	11/15/2028	5.000						17,515,000	
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	18,400,000	11/15/2029	5.000			_	_	_	18,400,000	_
										•	-	-		•
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	19,315,000	11/15/2030	5.000	-	-	-	-	-	19,315,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	30,440,000	11/15/2031	5.000	-	-	-	-	-	30,440,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	20,700,000	11/15/2033	5.000	-	-	-	-	-	20,700,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	23,325,000	11/15/2034	3.000	-	-		-	-	23,325,000	
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	10,235,000	11/15/2034	5.000					-	10,235,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	24,025,000	11/15/2035	3.000						24,025,000	
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	10,745,000	11/15/2035	5.000						10,745,000	
									-	-	-	-		-
Aa3/AA-/AA			TBTA 2016A	1/28/2016	11,280,000	11/15/2036	5.000	-	-	-	-	-	11,280,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	11,845,000	11/15/2037	5.000	-	-	-	-	-	11,845,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	12,440,000	11/15/2038	5.000	-	-	-	-	-	12,440,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	13,060,000	11/15/2039	5.000	-	-	-	-	-	13,060,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	13,715,000	11/15/2040	5.000	-	-	-	-	-	13,715,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	14,400,000	11/15/2041	5.000						14,400,000	
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	15,120,000	11/15/2042	5.000	_			_		15,120,000	_
Aa3/AA-/AA			TBTA 2016A	1/28/2016	15,875,000	11/15/2043	5.000	-	-	-	-	-	15,875,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	16,670,000	11/15/2044	5.000	-	-	-	-	-	16,670,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	17,500,000	11/15/2045	5.000	-	-	-	-	-	17,500,000	-
Aa3/AA-/AA-/AA			TBTA 2016A	1/28/2016	18,375,000	11/15/2046	5.000	-	-		-	-	18,375,000	
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	46,755,000	11/15/2024	5.000	46,755,000				-	-	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	8,165,000	11/15/2025	5.000						8,165,000	
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	8,655,000	11/15/2026	5.000						8,655,000	
									-	-	-	-		-
Aa3/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	19,240,000	11/15/2027	5.000	-	-	-	-	-	19,240,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	4,565,000	11/15/2030	3.000	-	-	-	-	-	4,565,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	9,445,000	11/15/2033	5.000	-	-	-	-	-	9,445,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	9,915,000	11/15/2034	5.000		-		-	-	9,915,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	10,410,000	11/15/2035	5.000					-	10,410,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	9,560,000	11/15/2036	3.375						9,560,000	_
Aa3/AA-/AA-/AA			TBTA 2017A	1/19/2017	11,255,000	11/15/2037	5.000						11,255,000	
	Aa1/AAA/AA+/NR							-	-	-	-	-		-
Aa3/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	11,815,000	11/15/2038	5.000	-	-	-	-	-	11,815,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	12,405,000	11/15/2039	5.000	-	-	-	-	-	12,405,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	13,025,000	11/15/2040	5.000	-	-	-	-	-	13,025,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	13,680,000	11/15/2041	5.000	-	-	-	-	-	13,680,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	14,365,000	11/15/2042	5.000					_	14,365,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	15,080,000	11/15/2043	5.000	-	-			-	15,080,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	15,835,000	11/15/2044	5.000	_	-	_	_		15,835,000	
								-	-	-	-	-		-
Aa3/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	16,625,000	11/15/2045	5.000	-	-	-	-	-	16,625,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	17,460,000	11/15/2046	5.000	-	-	-	-	-	17,460,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017A	1/19/2017	18,330,000	11/15/2047	5.000	-	-	-	-	-	18,330,000	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017B	1/19/2017	10,940,000	11/15/2024	5.000	10,940,000	-	-	-	-	-	-
Aa3/AA-/AA-/AA	Aa1/AAA/AA+/NR		TBTA 2017B	1/19/2017	14,305,000	11/15/2025	5.000	-	-	-	-	-	14,305,000	-
	. , , , , ,			,,	.,,	, .,							,,	

Total Bonds and Notes Issued in 2024 8,015,225,000 New Money Bonds and Notes Issued in 2024 4,800,940,000 3,214,285,000 1,702,930,000 45,980,577,500 1,870,555,000 Refunding Bonds and Notes Issued in 2024 Total 5.273.530.000 80.890.000 566.165.000 Credit Supported L T Amount Amount Underlying L T Ratings Amount Matured in Amount Defeased Amount Called in Refinanced in Ratings S T Ratings Redeemed in **Amount Outstanding as** Amount Swapped as of Mdy/S&P/Ftch/Krll Mdy/S&P/Ftch/Krll Mdy/S&P/Ftch/Krll Series **Date Issued** Amount Issued Maturity in 2024 2024 2024 2024 of December 31, 2024 December 31, 2024 Coupon Aa1/AAA/AA+/NF TBTA 2017B 1/19/2017 15,135,000 11/15/2026 Aa3/AA-/AA-/AA 5.000 15,135,000 Aa1/AAA/AA+/NR 11/15/2027 Aa3/AA-/AA-/AA TBTA 2017B 1/19/2017 30.725.000 5.000 30.725.000 Aa1/AAA/AA+/NR 11/15/2028 Aa3/AA-/AA-/AA TBTA 2017B 1/19/2017 63,480,000 5.000 63.480.000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR 1/19/2017 82.820.000 11/15/2029 5.000 82.820.000 TBTA 2017B Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR 88.325.000 **TBTA 2017B** 1/19/2017 88.325.000 11/15/2030 5.000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR TBTA 2017B 1/19/2017 92,465,000 11/15/2031 5.000 92.465.000 56.905.000 56.905.000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR TBTA 2017B 1/19/2017 11/15/2032 5.000 Aa3/AA-/AA-/AA Δα1/ΔΔΔ/ΔΔ+/NR TRTA 2017R 1/19/2017 74.450.000 11/15/2033 5 000 74 450 000 Aa3/AA-/AA-/AA Δα1/ΔΔΔ/ΔΔ+/NR TBTA 2017B 1/19/2017 49.100.000 11/15/2034 5 000 49.100.000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR TBTA 2017B 1/19/2017 61,360,000 11/15/2035 5.000 61,360,000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR TBTA 2017B 1/19/2017 88,595,000 11/15/2036 5.000 88,595,000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR TBTA 2017B 1/19/2017 88,635,000 11/15/2037 5.000 88,635,000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR TBTA 2017B 1/19/2017 85,735,000 11/15/2038 5.000 85,735,000 TBTA 2017C-1 Refunding Bonds Aa3/AA-/AA-/AA 11/17/2017 20,890,000 11/15/2024 5.000 20.890.000 TBTA 2017C-1 Refunding Bonds 120,555,000 120,555,000 Aa3/AA-/AA-/AA 11/17/2017 11/15/2025 5.000 Aa3/AA-/AA-/AA TBTA 2017C-1 Refunding Bonds 11/17/2017 2,255,000 11/15/2025 3.000 2,255,000 Aa3/AA-/AA-/AA TBTA 2017C-1 Refunding Bonds 11/17/2017 3,180,000 11/15/2025 4.000 3,180,000 Aa3/AA-/AA-/AA TBTA 2017C-1 Refunding Bonds 11/17/2017 1,955,000 11/15/2026 4.000 1.955.000 Aa3/AA-/AA-/AA TBTA 2017C-1 Refunding Bonds 11/17/2017 108,895,000 11/15/2026 5.000 108,895,000 Aa3/AA-/AA-/AA TBTA 2017C-1 Refunding Bonds 11/17/2017 118,110,000 11/15/2027 5.000 118,110,000 Aa3/AA-/AA-/AA TBTA 2017C-1 Refunding Bonds 11/17/2017 10.400.000 11/15/2027 4.000 10.400.000 Aa3/AA-/AA-/AA TBTA 2017C-1 Refunding Bonds 11/17/2017 117.565.000 11/15/2028 5.000 117.565.000 Aa3/AA-/AA-/AA TBTA 2017C-2 11/17/2017 46.405.000 11/15/2039 5.000 46.405.000 Δα3/ΔΔ-/ΔΔ-/ΔΔ TRTA 2017C-2 11/17/2017 48,720,000 11/15/2040 5 000 48 720 000 Aa3/AA-/AA-/AA TBTA 2017C-2 11/17/2017 51,160,000 11/15/2041 5.000 51.160.000 Aa3/AA-/AA-/AA TBTA 2017C-2 11/17/2017 53,715,000 11/15/2042 5.000 53,715,000 Aa3/AA-/AA-/AA TBTA 2018A 2/1/2018 51.830.000 11/15/2043 5.000 51.830.000 Aa3/AA-/AA-/AA TBTA 2018A 2/1/2018 54.425.000 11/15/2044 5.000 54.425.000 Aa3/AA-/AA-/AA TBTA 2018A 2/1/2018 57,145,000 11/15/2045 5.000 57,145,000 Aa3/AA-/AA-/AA TBTA 2018A 2/1/2018 60,005,000 11/15/2046 5.000 60,005,000 Aa3/AA-/AA-/AA TBTA 2018A 2/1/2018 63,005,000 11/15/2047 4.000 63,005,000 TBTA 2018A 65,520,000 Aa3/AA-/AA-/AA 2/1/2018 11/15/2048 4.000 65,520,000 Aa3/AA-/AA-/AA TBTA 2018B 8/30/2018 18,185,000 11/15/2024 5.000 18,185,000 Aa3/AA-/AA-/AA TBTA 2018B 8/30/2018 17,430,000 11/15/2025 5.000 17.430.000 Aa3/AA-/AA-/AA TBTA 2018B 8/30/2018 18,400,000 11/15/2026 18,400,000 5.000 Aa3/AA-/AA-/AA TBTA 2018B 8/30/2018 25.715.000 11/15/2027 5.000 25.715.000 45,650,000 Aa3/AA-/AA-/AA TBTA 2018B 8/30/2018 11/15/2028 45.650.000 5.000 47.620.000 47.620.000 Aa3/AA-/AA-/AA TBTA 2018B 8/30/2018 11/15/2029 5.000 Δα3/ΔΔ-/ΔΔ-/ΔΔ TRTA 2018B 8/30/2018 52 245 000 11/15/2030 5 000 52 245 000 Aa3/AA-/AA-/AA **TBTA 2018B** 8/30/2018 44.845.000 11/15/2031 5.000 44.845.000 Aa3/AA-/AA-/AA TBTA 2018C 8/30/2018 10.290.000 11/15/2031 5.000 10.290.000 Aa3/AA-/AA-/AA TBTA 2018C 8/30/2018 21.920.000 11/15/2033 5.000 21.920.000 Aa3/AA-/AA-/AA TBTA 2018C 8/30/2018 23.025.000 11/15/2034 5 000 23.025.000 Aa3/AA-/AA-/AA TBTA 2018C 8/30/2018 20,100,000 11/15/2035 5.000 20,100,000 Aa3/AA-/AA-/AA TBTA 2018C 8/30/2018 4,075,000 11/15/2035 4.000 4,075,000 Aa3/AA-/AA-/AA TBTA 2018C 8/30/2018 25,330,000 11/15/2036 5.000 25,330,000 Aa3/AA-/AA-/AA TBTA 2018C 8/30/2018 26,615,000 11/15/2037 5.000 26,615,000 Aa3/AA-/AA-/AA TBTA 2018C 8/30/2018 10,840,000 11/15/2038 5.000 10,840,000 Aa3/AA-/AA-/AA TBTA 2018C 8/30/2018 17,085,000 11/15/2038 3.375 17.085.000 Aa3/AA-/AA-/AA TBTA 2018D 10/1/2020 24,740,000 11/15/2033 24,740,000 5.000 Aa3/AA-/AA-/AA TBTA 2018D 10/1/2020 32,155,000 11/15/2034 5.000 32,155,000 Aa3/AA-/AA-/AA TBTA 2018D 4,535,000 10/1/2020 11/15/2035 5.000 4.535.000 Aa3/AA-/AA-/AA TBTA 2018D 10/1/2020 11,885,000 11/15/2036 5.000 11,885,000 Aa3/AA-/AA-/AA TBTA 2018D 10/1/2020 11,800,000 11/15/2037 11,800,000 4.000 Aa3/AA-/AA-/AA TBTA 2018D 10/1/2020 13.870.000 11/15/2038 4.000 13.870.000 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1+/NF TBTA 2018E Taxable 12/8/2022 18.485.000 11/15/2026 18.485.000 14,288,617 4.000 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1+/NF TBTA 2018F Taxable 12/8/2022 19.330.000 11/15/2027 4.000 19.330.000 14.941.789 Aa3/AA-/AA-/AA $\Delta a 1/\Delta \Delta + /\Delta \Delta + /NR$ VMIG 1/A-1/F1+/NE TBTA 2018E Taxable 12/8/2022 20.205.000 11/15/2028 4 000 20.205.000 15 618 151 Aa3/AA-/AA-/AA $\Delta a 1/\Delta \Delta + /\Delta \Delta + /NR$ VMIG 1/A-1/F1+/NE TRTA 2018F Tayable 12/8/2022 21 115 000 11/15/2029 4 000 21 115 000 16 321 566 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1+/NF TBTA 2018E Taxable 12/8/2022 22,065,000 11/15/2030 4.000 22,065,000 17.055.902 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1+/NR TBTA 2018E Taxable 12/8/2022 23,050,000 11/15/2031 4.000 23.050.000 17.817.291 Aa3/AA-/AA-/AA Aa1/AA+/AA+/NR VMIG 1/A-1/F1+/NF TBTA 2018E Taxable 12/8/2022 24,220,000 11/15/2032 4.000 24.220.000 18.721.683 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR TBTA 2019A 5/23/2019 13,685,000 11/15/2041 13,685,000 5.000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR TBTA 2019A 5/23/2019 14,365,000 11/15/2042 14,365,000 5.000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR TBTA 2019A 5/23/2019 15,085,000 11/15/2043 5.000 15.085.000 TBTA 2019A Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR 5/23/2019 15,840,000 11/15/2044 4.000 15,840,000 Aa1/AAA/AA+/NR Aa3/AA-/AA-/AA TBTA 2019A 5/23/2019 16,475,000 11/15/2045 5.000 16,475,000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR TBTA 2019A 5/23/2019 17,295,000 11/15/2046 5.000 17,295,000 Aa1/AAA/AA+/NR 18,160,000 Aa3/AA-/AA-/AA TBTA 2019A 5/23/2019 11/15/2047 5.000 18,160,000 Aa3/AA-/AA-/AA Aa1/AAA/AA+/NR TBTA 2019A 5/23/2019 19,070,000 11/15/2048 5.000 19,070,000

Aa1/AAA/AA+/NR

TBTA 2019A

5/23/2019

20.025.000

11/15/2049

Aa3/AA-/AA-/AA

5.000

20.025.000

			New Money Bonds and No		4.800.940.000									
			Refunding Bonds and Notes Issued in 2024 3,214,285,000 Total 1,702,930,000 5,273,530,000 - 80,890,000 566,165,000 45,980,577,500				4E 000 E77 E00	1,870,555,000						
			Refunding Bonds and No	tes issued in 2024	3,214,285,000		iotai	1,702,930,000	5,273,530,000	-	80,890,000	300,103,000	45,980,577,500	1,870,535,000
	Credit Supported L T										Amount	Amount		
Underlying L T Ratings	Ratings	S T Ratings						Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
Aa3/AA-/AA-/AA		· · · · · · · · · · · · · · · · · · ·	TBTA 2019B Taxable	9/25/2019	102,465,000	11/15/2044	3.427						102,465,000	-
Aa3/AA-/AA-/AA			TBTA 2019C	12/3/2019	25,000,000	11/15/2040	4.000	-	-	-	-	-	25,000,000	-
Aa3/AA-/AA-/AA			TBTA 2019C	12/3/2019	25,000,000	11/15/2041	4.000	-	-	-	-	-	25,000,000	-
Aa3/AA-/AA-/AA			TBTA 2019C	12/3/2019	25,000,000	11/15/2042	4.000	-	-	-	-	-	25,000,000	-
Aa3/AA-/AA-/AA			TBTA 2019C	12/3/2019	25,000,000	11/15/2043	4.000	-	-	-	-	-	25,000,000	-
Aa3/AA-/AA-/AA			TBTA 2019C	12/3/2019	25,000,000	11/15/2045	3.000	-	-	-	-	-	25,000,000	-
Aa3/AA-/AA-/AA			TBTA 2019C	12/3/2019	25,000,000	11/15/2046	3.000	-	-	-	-	-	25,000,000	-
Aa3/AA-/AA-/AA			TBTA 2019C	12/3/2019	25,000,000	11/15/2047	3.000	-	-	-	-	-	25,000,000	-
Aa3/AA-/AA-/AA			TBTA 2019C	12/3/2019	25,000,000	11/15/2048	3.000	-	-	-	-	-	25,000,000	-
A1/A+/A+/AA-			TBTA SUB 2013A	1/29/2013	58,760,000	11/15/2029	-	-	-	-	-	-	58,760,000	-
A1/A+/A+/AA-			TBTA SUB 2013A	1/29/2013	59,720,000	11/15/2030	-	-	-	-	-	-	59,720,000	-
A1/A+/A+/AA-			TBTA SUB 2013A	1/29/2013	59,775,000	11/15/2031	-	-	-	-	-	-	59,775,000	-
A1/A+/A+/AA-			TBTA SUB 2013A	1/29/2013	47,015,000	11/15/2032	-	-	-	-	-	-	47,015,000	-
A1/A+/A+/AA-			TBTA SUB 2013D-1 Taxable	12/19/2013	16,790,000	11/15/2024	4.284	16,790,000	-	-	-	-	-	-
A1/A+/A+/AA-			TBTA SUB 2013D-1 Taxable	12/19/2013	17,605,000	11/15/2025	4.434	-	-	-	-	-	17,605,000	-
A3/A-/AA/AA	A1/AA/A/AA+		TRB 2002D-1	5/9/2012	5,000,000	11/1/2024	3.000	5,000,000	-	-	-	-	-	-
A3/A-/AA/AA	Aa3/AA/AAA/NR			3/28/2024	5,700,000	11/1/2029	4.000	-	-	-	-	5,700,000	5,700,000	5,700,000
A3/A-/AA/AA	Aa3/AA/AAA/NR	VMIG 1/A-1/F1/N		3/28/2024	7,850,000	11/1/2030	4.000		-	-	-	7,850,000	7,850,000	7,850,000
A3/A-/AA/AA	Aa3/AA/AAA/NR	VMIG 1/A-1/F1/N		3/28/2024	7,750,000	11/1/2031	4.000	-	-	-	-	7,750,000	7,750,000	7,750,000
A3/A-/AA/AA	Aa3/AA/AAA/NR	VMIG 1/A-1/F1/N		3/28/2024	28,700,000	11/1/2032	4.000	-	-	-	-	28,700,000		28,700,000
A3/A-/AA/AA			TRB 2002D-2a-2	4/6/2021	5,700,000	11/1/2029	4.000	-	-	-	-	-	5,700,000	5,700,000
A3/A-/AA/AA			TRB 2002D-2a-2	4/6/2021	7,850,000	11/1/2030	4.000	-	-	-	-	-	7,850,000	7,850,000
A3/A-/AA/AA			TRB 2002D-2a-2	4/6/2021	7,750,000	11/1/2031	4.000	-	-	-	-	-	7,750,000	7,750,000
A3/A-/AA/AA			TRB 2002D-2a-2	4/6/2021	28,700,000	11/1/2032	4.000	-	-	-	-	-	28,700,000	28,700,000
A3/A-/AA/AA	Aa3/AA/AAA/NR			3/28/2024	11,400,000	11/1/2029	4.000	-	-	-	-	11,400,000	11,400,000	11,400,000
A3/A-/AA/AA	Aa3/AA/AAA/NR			3/28/2024	15,700,000	11/1/2030	4.000	-	-	-	-	15,700,000	15,700,000	15,700,000
A3/A-/AA/AA	Aa3/AA/AAA/NR	VMIG 1/A-1/F1/N		3/28/2024	15,500,000	11/1/2031	4.000	-	-	-	-	15,500,000	15,500,000	15,500,000
A3/A-/AA/AA	Aa3/AA/AAA/NR	VMIG 1/A-1/F1/N		3/28/2024	57,400,000	11/1/2032	4.000	-	-	-	-	57,400,000	57,400,000	57,400,000
A3/A-/AA/AA			TRB 2002G-1f Refunding Bonds	6/30/2021	5,445,000	11/1/2024	4.000	5,445,000	-	-	-	-	-	-
A3/A-/AA/AA			TRB 2002G-1f Refunding Bonds	6/30/2021	5,665,000	11/1/2025	4.000	-	-	-	-	-	5,665,000	5,665,000
A3/A-/AA/AA			TRB 2002G-1f Refunding Bonds	6/30/2021	2,925,000	11/1/2026	4.000	-	-	-	-	-	2,925,000	2,925,000
A3/A-/AA/AA	Aa1/AA/AAA/AA+	VMIG 1/A-1+/F1+/NI		7/16/2024	5,440,000	11/1/2024	4.000	5,440,000	-	-	-	-	-	-
A3/A-/AA/AA		VMIG 1/A-1+/F1+/NI	8	7/16/2024	5,660,000	11/1/2025	4.000	-	-	-	-	-	5,660,000	5,660,000
A3/A-/AA/AA	Aa1/AA/AAA/AA+	VMIG 1/A-1+/F1+/NI	R TRB 2002G-1g Refunding Bonds	7/16/2024	2,920,000	11/1/2026	4.000	-	-	-	-	-	2,920,000	2,920,000
A3/A-/AA/AA			TRB 2002G-1h Refunding Bonds	2/1/2022	7,275,000	11/1/2024	4.000	7,275,000	-	-	-	-	-	-
A3/A-/AA/AA			TRB 2002G-1h Refunding Bonds	2/1/2022	7,565,000	11/1/2025	4.000	-	-	-	-	-	7,565,000	7,565,000
A3/A-/AA/AA			TRB 2002G-1h Refunding Bonds	2/1/2022	3,910,000	11/1/2026	4.000	-	-	-	-	-	3,910,000	3,910,000
A3/A-/AA/AA	A1/A+/A/AA+		TRB 2005B	7/1/2005	27,120,000	11/15/2024	5.250	27,120,000	-	-	-	-	-	-
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/NI	R TRB 2005D-2	11/13/2024	4,700,000	11/1/2024	4.000	4,700,000	-	-	-	-	-	-
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/N	R TRB 2005D-2	11/13/2024	4,875,000	11/1/2025	4.000	-	-	-	-	4,875,000	4,875,000	4,875,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/NI	R TRB 2005D-2	11/13/2024	5,075,000	11/1/2026	4.000	-	-	-	-	5,075,000	5,075,000	5,075,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/N	R TRB 2005D-2	11/13/2024	5,275,000	11/1/2027	4.000	-	-	-	-	5,275,000	5,275,000	5,275,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/NI	R TRB 2005D-2	11/13/2024	5,500,000	11/1/2028	4.000	-	-	-	-	5,500,000	5,500,000	5,500,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF			11/13/2024	5,700,000	11/1/2029	4.000		-	-	-	5,700,000		5,700,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/N	R TRB 2005D-2	11/13/2024	5,950,000	11/1/2030	4.000	-	-	-	-	5,950,000	5,950,000	5,950,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/NI	R TRB 2005D-2	11/13/2024	6,175,000	11/1/2031	4.000	-	-	-	-	6,175,000	6,175,000	6,175,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/NI	R TRB 2005D-2	11/13/2024	6,425,000	11/1/2032	4.000		-	-	-	6,425,000	6,425,000	6,425,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/NI	R TRB 2005D-2	11/13/2024	6,675,000	11/1/2033	4.000	-	-	-	-	6,675,000	6,675,000	6,675,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/NI	R TRB 2005D-2	11/13/2024	6,975,000	11/1/2034	4.000	-	-	-	-	6,975,000	6,975,000	6,975,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF			11/13/2024	7,275,000	11/1/2035	4.000	-	-	-	-	7,275,000	7,275,000	7,275,000
A3/A-/AA/AA	Aa1/AA-/AA/NR	VMIG 1/A-1/F1+/N	R TRB 2005E-2	11/17/2023	4,117,500	11/1/2028	4.000	-	-	-	-	-	4,117,500	3,214,758
A3/A-/AA/AA	Aa1/AA-/AA/NR			11/17/2023	4,290,000	11/1/2029	4.000	-	-	-	-	-	4,290,000	3,349,438
A3/A-/AA/AA	Aa1/AA-/AA/NR	VMIG 1/A-1/F1+/NI	R TRB 2005E-2	11/17/2023	4,447,500	11/1/2030	4.000	-	-	-	-	-	4,447,500	3,472,407
A3/A-/AA/AA	Aa1/AA-/AA/NR	VMIG 1/A-1/F1+/NI	R TRB 2005E-2	11/17/2023	4,642,500	11/1/2031	4.000	-	-	-	-	-	4,642,500	3,624,654
A3/A-/AA/AA	Aa1/AA-/AA/NR	VMIG 1/A-1/F1+/N		11/17/2023	4,822,500	11/1/2032	4.000	-	-	-	-	-	4,822,500	3,765,190
A3/A-/AA/AA	Aa1/AA-/AA/NR			11/17/2023	5,017,500	11/1/2033	4.000	-	-	-	-	-	5,017,500	3,917,437
A3/A-/AA/AA	Aa1/AA-/AA/NR	VMIG 1/A-1/F1+/N	R TRB 2005E-2	11/17/2023	5,205,000	11/1/2034	4.000	-	-	-	-	-	5,205,000	4,063,829
A3/A-/AA/AA	Aa1/AA-/AA/NR	VMIG 1/A-1/F1+/N		11/17/2023	5,415,000	11/1/2035	4.000	-	-	-	-	-	5,415,000	4,227,787
A3/A-/AA/AA	A1/AA/A/AA+		TRB 2006B	12/20/2006	72,645,000	11/15/2026	5.250	-	-	-	-	-	72,645,000	-
A3/A-/AA/AA			TRB 2009A-1 Build America Bonds	10/15/2009	24,330,000	11/15/2029	5.871	-	24,330,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2009A-1 Build America Bonds	10/15/2009	25,260,000	11/15/2030	5.871	-	25,260,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2009A-1 Build America Bonds	10/15/2009	26,220,000	11/15/2031	5.871	-	26,220,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2009A-1 Build America Bonds	10/15/2009	27,220,000	11/15/2032	5.871	-	27,220,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2009A-1 Build America Bonds	10/15/2009	28,260,000	11/15/2033	5.871	-	28,260,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2009A-1 Build America Bonds	10/15/2009	29,340,000	11/15/2034	5.871	-	29,340,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2009A-1 Build America Bonds	10/15/2009	30,460,000	11/15/2035	5.871	-	30,460,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2009A-1 Build America Bonds	10/15/2009	31,620,000	11/15/2036	5.871	-	31,620,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2009A-1 Build America Bonds	10/15/2009	32,830,000	11/15/2037	5.871	-	32,830,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2009A-1 Build America Bonds	10/15/2009	34,080,000	11/15/2038	5.871	-	34,080,000		-	-	-	-
A3/A-/AA/AA			TRB 2009A-1 Build America Bonds	10/15/2009	35,380,000	11/15/2039	5.871	-	35,380,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2010A Build America Bonds	1/13/2010	45,655,000	11/15/2033	6.668	-	-	-	-	-	45,655,000	-

Total Bonds and Notes Issued in 2024

8,015,225,000

Disclosure for Fise	cal Year Ended 12	/31/2024												
			Total Bonds and Note		8,015,225,000									
			New Money Bonds and Note		4,800,940,000	_		T						
			Refunding Bonds and Note	es Issued in 2024	3,214,285,000	L	Total	1,702,930,000	5,273,530,000	-	80,890,000	566,165,000	45,980,577,500	1,870,555,000
	Condit Commented I T													
Underlying L T Ratings	Credit Supported L T Ratings	S T Ratings						Amount Matured in	Amount Defeared	Amount Called in	Amount Redeemed in	Amount Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Series	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
A3/A-/AA/AA	Widy/ Sor / I tell/ Kill	Midy/Solt /1 tell/kill	TRB 2010A Build America Bonds	1/13/2010	47,620,000	11/15/2034	6.668	-	-		-	-	47,620,000	-
A3/A-/AA/AA			TRB 2010A Build America Bonds	1/13/2010	49.670.000	11/15/2035	6.668			-	-	-	49.670.000	-
A3/A-/AA/AA			TRB 2010A Build America Bonds	1/13/2010	51,810,000	11/15/2036	6.668					_	51,810,000	-
A3/A-/AA/AA			TRB 2010A Build America Bonds	1/13/2010	54,035,000	11/15/2037	6.668					_	54,035,000	-
A3/A-/AA/AA			TRB 2010A Build America Bonds	1/13/2010	56,365,000	11/15/2038	6.668					_	56,365,000	-
A3/A-/AA/AA			TRB 2010A Build America Bonds	1/13/2010	58,790,000	11/15/2039	6.668	-	-		-	-	58,790,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	460,000	11/15/2024	6.548	460,000	-	-	-	-		-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	14,785,000	11/15/2024	5.854	14,785,000	-	-	-	-	-	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	15,830,000	11/15/2025	6.548	-	-	-	-	-	15,830,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	16,510,000	11/15/2026	6.548	-	-	-	-	-	16,510,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	17,215,000	11/15/2027	6.548	-	-	-	-	-	17,215,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	17,950,000	11/15/2028	6.548	-	-	-	-	-	17,950,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	58,155,000	11/15/2029	6.548		-	-	-	-	58,155,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	60,640,000	11/15/2030	6.548		-	-	-	-	60,640,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	63,240,000	11/15/2031	6.548		-	-	-	-	63,240,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	65,945,000	11/15/2032	6.648	-	-	-	-	-	65,945,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	23,150,000	11/15/2033	6.648	-	-	-	-	-	23,150,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	24,170,000	11/15/2034	6.648		-	-	-	-	24,170,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	25,230,000	11/15/2035	6.648		-	-	-	-	25,230,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	26,345,000	11/15/2036	6.648		-	-	-	-	26,345,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds	2/11/2010	27,505,000	11/15/2037	6.648	-	-	-	-	-	27,505,000	-
A3/A-/AA/AA			TRB 2010B-1 Build America Bonds TRB 2010B-1 Build America Bonds	2/11/2010	28,715,000 29,980,000	11/15/2038	6.648 6.648	-	-	-	-	-	28,715,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2010B-1 Build America Bonds TRB 2010C-1 Build America Bonds	2/11/2010 7/7/2010	15,930,000	11/15/2039	6.200		-	-	-	-	29,980,000	-
									-	•	-	-	10.010.000	-
A3/A-/AA/AA A3/A-/AA/AA	•		TRB 2010C-1 Build America Bonds TRB 2010C-1 Build America Bonds	7/7/2010 7/7/2010	16,915,000 17,965,000	11/15/2025 11/15/2026	6.200 6.200		-	•	-	-	16,915,000 17,965,000	-
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	5,980,000	11/15/2027	6.587						5,980,000	
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	6,370,000	11/15/2028	6.587	-	-			_	6.370.000	
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	6,790,000	11/15/2029	6.587						6,790,000	_
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	7,240,000	11/15/2030	6.587						7,240,000	_
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	21,310,000	11/15/2031	6.687					_	21,310,000	-
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	22,730,000	11/15/2032	6.687					-	22,730,000	-
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	24,250,000	11/15/2033	6,687					_	24,250,000	-
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	25,870,000	11/15/2034	6.687	-	-	-	-	-	25,870,000	-
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	27,600,000	11/15/2035	6.687	-	-	-	-	-	27,600,000	-
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	29,445,000	11/15/2036	6.687	-	-	-	-	-	29,445,000	-
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	31,410,000	11/15/2037	6.687	-	-	-	-	-	31,410,000	-
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	33,505,000	11/15/2038	6.687	-	-	-	-	-	33,505,000	-
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	35,745,000	11/15/2039	6.687	-	-	-	-	-	35,745,000	-
A3/A-/AA/AA			TRB 2010C-1 Build America Bonds	7/7/2010	38,135,000	11/15/2040	6.687	-	-	-	-	-	38,135,000	-
A3/A-/AA/AA			TRB 2010E Build America Bonds	12/29/2010	5,500,000	11/15/2026	6.734	-	-	-	-	-	5,500,000	-
A3/A-/AA/AA			TRB 2010E Build America Bonds	12/29/2010	5,740,000	11/15/2027	6.734	-	-	-	-	-	5,740,000	-
A3/A-/AA/AA			TRB 2010E Build America Bonds	12/29/2010	5,990,000	11/15/2028	6.734	-	-	-	-	-	5,990,000	-
A3/A-/AA/AA			TRB 2010E Build America Bonds	12/29/2010	6,250,000	11/15/2029	6.734	-	-	-	-	-	6,250,000	-
A3/A-/AA/AA			TRB 2010E Build America Bonds	12/29/2010	6,520,000	11/15/2030	6.734	-	-	-	-	-	6,520,000	-
A3/A-/AA/AA			TRB 2010E Build America Bonds	12/29/2010	45,115,000	11/15/2031	6.814	-	-	-	-	-	45,115,000	-
A3/A-/AA/AA			TRB 2010E Build America Bonds	12/29/2010	47,110,000	11/15/2032	6.814	-	-	-	-	-	47,110,000	-
A3/A-/AA/AA			TRB 2010E Build America Bonds	12/29/2010	49,195,000	11/15/2033	6.814	-	-	-	-	-	49,195,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2010E Build America Bonds TRB 2010F Build America Bonds	12/29/2010 12/29/2010	51,370,000 53,640,000	11/15/2034 11/15/2035	6.814 6.814	-	-	-	-	-	51,370,000 53,640,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2010E Build America Bonds TRB 2010E Build America Bonds	12/29/2010	56,010,000	11/15/2035	6.814	-	-	-	-	-	56,010,000	-
A3/A-/AA/AA			TRB 2010E Build America Bonds	12/29/2010	58,485,000	11/15/2036	6.814	-	-	-	-	-	58,485,000	-
A3/A-/AA/AA			TRB 2010E Build America Bonds	12/29/2010	61,070,000	11/15/2037	6.814						61.070.000	1
A3/A-/AA/AA			TRB 2010E Build America Bonds	12/29/2010	63,770,000	11/15/2039	6.814						63,770,000	
A3/A-/AA/AA			TRB 2010E Build America Bonds	12/29/2010	66.585.000	11/15/2030	6.814						66.585.000	
A3/A-/AA/AA		VMIG 1/A-1/F1+/NF		5/26/2022	50,000,000	11/15/2040	4.000			-	-	-	50,000,000	-
A3/A-/AA/AA			TRB 2012A-3	2/1/2022	50,000,000	11/15/2042	4.000		-			-	50,000,000	_
A3/A-/AA/AA			TRB 2012B	3/15/2012	7,660,000	11/15/2024	3.000		-			-		_
A3/A-/AA/AA			TRB 2012B	3/15/2012	8,005,000	11/15/2025	3.000	-				-	8,005,000	-
A3/A-/AA/AA			TRB 2012B	3/15/2012	8,365,000	11/15/2026	3.250	-	8,365,000	-	-	-	-,,	-
A3/A-/AA/AA			TRB 2012B	3/15/2012	8,780,000	11/15/2027	3.500	-	8,780,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2012B	3/15/2012	13,625,000	11/15/2036	4.000	-	13,625,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2012B	3/15/2012	15,020,000	11/15/2038	4.250	-	15,020,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2012B	3/15/2012	15,770,000	11/15/2039	4.250		15,770,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2012C	5/3/2012	11,335,000	11/15/2027	3.500	-	11,240,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2012C	5/3/2012	19,980,000	11/15/2041	4.250	-	19,810,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2012C	5/3/2012	31,695,000	11/15/2042	4.250	-	31,420,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2012E	7/20/2012	19,925,000	11/15/2027	3.500	-	9,595,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2012E	7/20/2012	25,065,000	11/15/2032	3.500	-	12,065,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2012E	7/20/2012	29,185,000	11/15/2036	4.000	-	14,050,000	-	-	-	-	-

A3/A-/AA/AA

4.000

14,610,000

30,350,000 11/15/2037

TRB 2012E

7/20/2012

			To	tal Bonds and Not	es Issued in 2024	8,015,225,000									
			New Mon	ey Bonds and Not	es Issued in 2024	4,800,940,000									
				ing Bonds and Not		3,214,285,000		Total	1,702,930,000	5,273,530,000		80,890,000	566,165,000	45,980,577,500	1,870,555,000
						5,22.,255,555	L		2,: 12,: 12,: 12	0,2.0,000,000		00,000,000	000,200,000	,,	2,0.0,000,000
	Credit Supported L T											Amount	Amount		
Underlying L T Ratings	Ratings	S T Ratings							Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>		Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
A3/A-/AA/AA	way/ John / I con / Kin	way/Johr / I tell/ Kill	<u>Jeries</u>	TRB 2012E	7/20/2012	31,565,000	11/15/2038	4.000	2024	15,180,000	2024			<u>01 December 31, 2024</u>	December 31, 2024
A3/A-/AA/AA				TRB 2012F	9/28/2012	20,000,000	11/15/2025	3.125		13,100,000				20,000,000	
	Aa2/AA/AAA/NR	VMIG 1/A-1/F1/NR		TRB 2012F	10/31/2019	84,450,000	11/1/2032	4.000	•	-	-	-	-	84,450,000	84.450.000
A3/A-/AA/AA									•	-	-	-	-		. , ,
A3/A-/AA/AA	Aa1/AA/AAA/NR			TRB 2012G-2	7/16/2024	89,925,000	11/1/2031	4.000	-		-	-	-	89,925,000	89,925,000
A3/A-/AA/AA		VMIG 1/A-1+/F1+/NR		TRB 2012G-2	7/16/2024	35,075,000	11/1/2032	4.000	-	-	-	-		35,075,000	35,075,000
A3/A-/AA/AA	Aa1/AA/AAA/NR			TRB 2012G-3	12/11/2024	10,750,000	11/1/2030	4.000	-	-	-	-	10,750,000	10,750,000	10,750,000
A3/A-/AA/AA		VMIG 1/A-1+/F1+/NR		TRB 2012G-3	12/11/2024	64,250,000	11/1/2031	4.000	-	-	-	-	64,250,000	64,250,000	64,250,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF			TRB 2012G-4	11/13/2024	500,000	11/1/2024	4.000	500,000	-	-	-	-	-	-
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/NR		TRB 2012G-4	11/13/2024	525,000	11/1/2025	4.000	-	-	-	-	525,000	525,000	525,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF			TRB 2012G-4	11/13/2024	550,000	11/1/2026	4.000	-	-	-	-	550,000	550,000	550,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/NR		TRB 2012G-4	11/13/2024	575,000	11/1/2027	4.000				-	575,000	575,000	575,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/NR		TRB 2012G-4	11/13/2024	12,725,000	11/1/2028	4.000				-	12,725,000	12,725,000	12,725,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/NR		TRB 2012G-4	11/13/2024	13,525,000	11/1/2029	4.000	-	-	-	-	13,525,000	13,525,000	13,525,000
A3/A-/AA/AA	Aa1/AA/AAA/NAF	VMIG 1/A-1/F1+/NR		TRB 2012G-4	11/13/2024	41,750,000	11/1/2030	4.000					41,750,000	41,750,000	41,750,000
A3/A-/AA/AA	,,			TRB 2012H	11/15/2012	11,260,000	11/15/2028	3.000	_	4,705,000		_		-	
A3/A-/AA/AA				TRB 2012H	11/15/2012	13,430,000	11/15/2032	3.250		5,615,000		_		_	_
A3/A-/AA/AA				TRB 2012H	11/15/2012	15,140,000	11/15/2035	3.625		6,325,000	_	_	_	_	_
								3.625							
A3/A-/AA/AA				TRB 2012H	11/15/2012	15,690,000	11/15/2036			6,560,000	-	-	-		-
A3/A-/AA/AA				TRB 2012H	11/15/2012	16,255,000	11/15/2037	3.625			-	-	-	15,365,000	-
A3/A-/AA/AA				TRB 2013A	1/24/2013	2,720,000	11/15/2033	4.000	-	1,870,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2013B	4/2/2013	15,335,000	11/15/2041	4.000	-	-	-	-	-	10,425,000	-
A3/A-/AA/AA				TRB 2013B	4/2/2013	15,945,000	11/15/2042	4.000	-	-	-	-	-	10,840,000	-
A3/A-/AA/AA				TRB 2013B	4/2/2013	16,585,000	11/15/2043	4.000	-	-	-	-	-	11,240,000	-
A3/A-/AA/AA				TRB 2013C	6/11/2013	18,740,000	11/15/2033	4.000	-	16,605,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2013C	6/11/2013	30,230,000	11/15/2043	4.000	-	21,280,000	-	-	-	5,485,000	-
A3/A-/AA/AA				TRB 2013E	11/15/2013	29,400,000	11/15/2042	5.000	-	12,035,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2013E	11/15/2013	30,870,000	11/15/2043	5.000	-	30,455,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014A-1	2/28/2014	14,005,000	11/15/2044	5.000	-	13,630,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	11,435,000	11/15/2024	5.000		11,435,000				-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	4,085,000	11/15/2028	3.750	_	4,085,000		_	_	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	15,270,000	11/15/2030	5.000	_	15,270,000		_	_	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	6,350,000	11/15/2031	4.000		6,350,000		_		_	_
A3/A-/AA/AA				TRB 2014B	4/17/2014	9,685,000	11/15/2031	5.000	_	9.685.000	_	_	-	_	_
A3/A-/AA/AA				TRB 2014B	4/17/2014	16,775,000	11/15/2031	5.250		16,775,000		-	•	-	•
									•			-	-	•	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	17,655,000	11/15/2033	5.250	-	17,655,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	18,580,000	11/15/2034	5.250	-	18,580,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	19,555,000	11/15/2035	5.250	-	19,555,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	3,450,000	11/15/2036	4.250	-	3,450,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	17,135,000	11/15/2036	5.250	-	17,135,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	21,630,000	11/15/2037	5.250	-	21,630,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	22,765,000	11/15/2038	5.250	-	22,765,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	23,960,000	11/15/2039	5.250	-	23,960,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	12,640,000	11/15/2040	5.000	-	12,640,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	12,580,000	11/15/2040	5.250	-	12,580,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	13,275,000	11/15/2041	5.000	-	13,275,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	13,235,000	11/15/2041	5.250		13,235,000				-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	13,935,000	11/15/2042	5.000	_	13,935,000		_	_	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	13,935,000	11/15/2042	5.250	_	13,935,000		_	_	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	14,635,000	11/15/2043	5.000		14,635,000		_	_	_	_
A3/A-/AA/AA				TRB 2014B	4/17/2014	14,665,000	11/15/2043	5.250		14,665,000	,	-	-	-	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	15,365,000	11/15/2043	5.000	-	15,365,000	-	-	-	•	-
									-		-	-	-	•	-
A3/A-/AA/AA				TRB 2014B	4/17/2014	15,435,000	11/15/2044	5.250	47 575 000	15,435,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014C	6/26/2014	47,575,000	11/15/2024	5.000	47,575,000		-	-	-	-	-
A3/A-/AA/AA				TRB 2014C	6/26/2014	15,510,000	11/15/2030	5.000	-	15,510,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014C	6/26/2014	16,285,000	11/15/2031	5.000	-	16,285,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014C	6/26/2014	17,100,000	11/15/2032	5.000	-	17,100,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014C	6/26/2014	17,955,000	11/15/2033	5.000	-	17,955,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014C	6/26/2014	23,855,000	11/15/2034	4.000	-	-	-	-	-	23,855,000	-
A3/A-/AA/AA				TRB 2014C	6/26/2014	18,210,000	11/15/2035	5.000	-	18,210,000	-	-	-	-	-
V3/V-/VV/VV				TRR 2014C	6/26/2014	3 000 000	11/15/2036	5 000	_	3 000 000	_	_	_	_	

A3/A-/AA/AA

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11,155,000

11,715,000

12,295,000

12,910,000

515,000

955,000

4,960,000

37,330,000

39,190,000

40,415,000

22,445,000

TRB 2014C

TRB 2014D-1

6/26/2014

11/4/2014

11/4/2014

11/4/2014

11/4/2014

11/4/2014

11/4/2014

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11/4/2014

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11,155,000

11,715,000

12,295,000

12,910,000

515,000

955,000

4,960,000

37,330,000

39,190,000

40,415,000

22,445,000

11/15/2036

11/15/2030

11/15/2031

11/15/2032

11/15/2033

11/15/2034

11/15/2035

11/15/2036

11/15/2037

11/15/2038

11/15/2039

11/15/2040

Total Bonds and Notes Issued in 2024	0.015.335.000
Total bonds and Notes Issued in 2024	8,015,225,000
New Money Bonds and Notes Issued in 2024	4,800,940,000
Pofunding Ponds and Notes Issued in 2024	3.214.285.000
Refunding Bonds and Notes Issued in 2024	3.214.

	0	•													
Underlying L T Ratings	Credit Supported L T Ratings	S T Ratings							Amount Matured in	Amount Defeased	Amount Called in	Amount Redeemed in	Amount Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Series		Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
A3/A-/AA/AA	inay, sai , i ten, ian	ina y jour j i terry kin	<u>501105</u>	TRB 2014D-1	11/4/2014	23,565,000	11/15/2041	5.250	-	23,565,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014D-1	11/4/2014	24,745,000	11/15/2042	5.250	-	24,745,000	-	-	-		-
A3/A-/AA/AA				TRB 2014D-1	11/4/2014	25,980,000	11/15/2043	5.250	-	25,980,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2014D-1	11/4/2014	27,280,000	11/15/2044	5.250	-	27,280,000	-	-	-	-	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	19,285,000	11/15/2024	5.000	19,285,000	-	-	-	-	4 200 000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2015A-1 TRB 2015A-1	1/22/2015 1/22/2015	1,390,000 18,870,000	11/15/2025 11/15/2025	3.000 5.000	-	-	-	-	-	1,390,000 18,870,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	5,515,000	11/15/2025	5.000	-	-	-	-	-	5.515.000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	8,600,000	11/15/2027	5.000		_		_	_	8,600,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	495,000	11/15/2028	5.000		-	-	-	-	495,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	7,260,000	11/15/2029	5.000	-	-	-	-	-	7,260,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	5,500,000	11/15/2030	5.000	-	-	-	-	-	5,500,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	435,000	11/15/2031	5.000	-	-	-	-	-	435,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	750,000	11/15/2032	5.000	-	-	-	-	-	750,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	8,370,000	11/15/2033	5.000	-	-	-	-	-	8,370,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2015A-1 TRB 2015A-1	1/22/2015 1/22/2015	9,690,000 9,625,000	11/15/2034 11/15/2035	5.000 5.000	-	-	-	-	-	9,690,000 9,625,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	20,770,000	11/15/2035	5.000						20,770,000	
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	25,550,000	11/15/2037	5.000				-		25,550,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	26,775,000	11/15/2038	5.000		-	-	-	-	26,775,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	28,050,000	11/15/2039	5.000	-	-	-	-	-	28,050,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	40,680,000	11/15/2040	5.000	-	-	-	-	-	40,680,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	39,800,000	11/15/2041	5.000	-	-	-	-	-	39,800,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	41,785,000	11/15/2042	5.000	-	-	-	-	-	41,785,000	-
A3/A-/AA/AA				TRB 2015A-1	1/22/2015	43,875,000	11/15/2043	5.000	-	-	-	-	-	43,875,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2015A-1 TRB 2015A-1	1/22/2015 1/22/2015	46,070,000 48,365,000	11/15/2044 11/15/2045	5.000 5.000	-	-	-	-	-	46,070,000 48,365,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	3,555,000	11/15/2024	5.000	3,555,000					48,303,000	
A3/A-/AA/AA				TRB 2015B	3/19/2015	3,730,000	11/15/2025	5.000	-	-	_	-	-	3,730,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	4,110,000	11/15/2027	3.000	-	-	-	-	-	4,110,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	4,445,000	11/15/2029	5.000	-	-	-	-	-	4,445,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	4,670,000	11/15/2030	3.250	-	-	-	-	-	4,670,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	4,820,000	11/15/2031	5.000	-	-	-	-	-	4,820,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	5,065,000	11/15/2032	5.000	-	-	-	-	-	5,065,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	5,315,000	11/15/2033	5.000	-	-	-	-	-	5,315,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2015B TRB 2015B	3/19/2015 3/19/2015	5,580,000 5,775,000	11/15/2034 11/15/2035	3.500 5.000	-	-	-	-	-	5,580,000 5,775,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	6,065,000	11/15/2036	5.000				-		6,065,000	
A3/A-/AA/AA				TRB 2015B	3/19/2015	6,370,000	11/15/2037	5.000	-	-	_	-	-	6,370,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	6,685,000	11/15/2038	5.000	-	-	-	-	-	6,685,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	7,020,000	11/15/2039	5.000	-	-	-	-	-	7,020,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	7,370,000	11/15/2040	5.000	-	-	-	-	-	7,370,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	7,740,000	11/15/2041	4.000	-	-	-	-	-	7,740,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	8,050,000	11/15/2042	4.000	-	-	-	-	-	8,050,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2015B TRB 2015B	3/19/2015 3/19/2015	8,375,000 8,705,000	11/15/2043 11/15/2044	4.000 4.000	-	-	-	-	-	8,375,000 8,705,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2015B	3/19/2015	9,055,000	11/15/2044	4.000	-	-	-	-	-	9,055,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	9,420,000	11/15/2045	5.250						9,420,000	
A3/A-/AA/AA				TRB 2015B	3/19/2015	9,910,000	11/15/2047	5.250						9,910,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	10,435,000	11/15/2048	5.250	-	-	-	-	-	10,435,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	10,980,000	11/15/2049	5.250	-	-	-	-	-	10,980,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	11,555,000	11/15/2050	5.250	-	-	-	-	-	11,555,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	12,165,000	11/15/2051	5.250	-	-	-	-	-	12,165,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	12,800,000	11/15/2052	5.250	-	-	-	-	-	12,800,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2015B TRB 2015B	3/19/2015 3/19/2015	13,475,000 14,180,000	11/15/2053 11/15/2054	5.250 5.250	-	-	-	-	-	13,475,000 14,180,000	-
A3/A-/AA/AA				TRB 2015B	3/19/2015	14,180,000	11/15/2054	5.250	-	-	-	-	-	14,925,000	-
A3/A-/AA/AA				TRB 2015C-1	8/18/2015	5,315,000	11/15/2025	5.000				-		5,315,000	-
A3/A-/AA/AA				TRB 2015C-1	8/18/2015	16,235,000	11/15/2026	5.000						16,235,000	-
A3/A-/AA/AA				TRB 2015C-1	8/18/2015	44,430,000	11/15/2027	5.000	-	-	-	-	-	44,430,000	-
A3/A-/AA/AA				TRB 2015C-1	8/18/2015	24,760,000	11/15/2028	5.000	-	-	-	-	-	24,760,000	-
A3/A-/AA/AA				TRB 2015C-1	8/18/2015	7,205,000	11/15/2028	3.125	-	-	-	-	-	7,205,000	-
A3/A-/AA/AA				TRB 2015C-1	8/18/2015	30,195,000	11/15/2028	5.250	-	-	-	-	-	30,195,000	-
A3/A-/AA/AA				TRB 2015C-1	8/18/2015	22,420,000	11/15/2029	5.000	-	-	-	-	-	22,420,000	-
A3/A-/AA/AA				TRB 2015C-1	8/18/2015	41,535,000	11/15/2029	5.250	-	-	-	-	-	41,535,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2015C-1 TRB 2015C-1	8/18/2015 8/18/2015	43,980,000 17,145,000	11/15/2030 11/15/2030	5.250 5.000	-	-	-	-	-	43,980,000 17,145,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2015C-1	8/18/2015 8/18/2015	17,145,000	11/15/2030	3.400	-	-	-	-	-	17,145,000	
A3/A-/AA/AA				TRB 2015C-1	8/18/2015	17,590,000	11/15/2030	5.000	-		-	-	-	17,590,000	
A3/A-/AA/AA				TRB 2015C-1	8/18/2015	45,110,000	11/15/2031	5.250	-	-	-	-	-	45,110,000	
A3/A-/AA/AA				TRB 2015C-1	8/18/2015	63,170,000	11/15/2034	5.000	-	-	-	-	-	63,170,000	-

Total

1,702,930,000

5,273,530,000

80,890,000

566,165,000

45,980,577,500

1,870,555,000

			Т	otal Bonds and Not	es Issued in 2024	8,015,225,000									
			New Mo	ney Bonds and Not	es Issued in 2024	4,800,940,000	_								
			Refun	ding Bonds and Not	tes Issued in 2024	3,214,285,000		Total	1,702,930,000	5,273,530,000	÷	80,890,000	566,165,000	45,980,577,500	1,870,555,000
	Condit Commented 1 T														
Underlying L T Ratings	Credit Supported L T Ratings	S T Ratings							Amount Matured in	Amount Defeased	Amount Called in	Amount Redeemed in	Amount Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>		Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
A3/A-/AA/AA	way/sar/rten/km	ividy/ Soci / I tell/ ici ii	<u>Jeries</u>	TRB 2015C-1	8/18/2015	11,025,000	11/15/2034	3.700	-	-	-	-	-	11,025,000	- December 31, 2024
A3/A-/AA/AA				TRB 2015C-1	8/18/2015	76,795,000	11/15/2035	5.000			-	-	_	76,795,000	-
A3/A-/AA/AA				TRB 2015D-1	9/17/2015	6,575,000	11/15/2024	5.000	6,575,000	-	-	-	-	-	-
A3/A-/AA/AA				TRB 2015D-1	9/17/2015	13,500,000	11/15/2026	5.000	-	-	-	-	-	13,500,000	-
A3/A-/AA/AA				TRB 2015D-1	9/17/2015	13,500,000	11/15/2027	5.000	-	-	-	-	-	13,500,000	-
A3/A-/AA/AA				TRB 2015D-1	9/17/2015	24,935,000	11/15/2028	5.000	-	-	-	-	-	24,935,000	-
A3/A-/AA/AA				TRB 2015D-1	9/17/2015	27,435,000	11/15/2029	5.000	-	-	-	-	-	27,435,000	-
A3/A-/AA/AA				TRB 2015D-1	9/17/2015	24,730,000	11/15/2030	5.000	-	-	-	-	-	24,730,000	-
A3/A-/AA/AA				TRB 2015D-1	9/17/2015	38,110,000	11/15/2031	5.000	-	-	-	-	-	38,110,000	-
A3/A-/AA/AA				TRB 2015D-1	9/17/2015	25,000,000 20,885,000	11/15/2032	5.000 5.000	-	-	-	-	-	25,000,000 20.885.000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2015D-1 TRB 2015D-1	9/17/2015 9/17/2015	25,000,000	11/15/2032 11/15/2033	5.000	-	-	-	-	-	20,885,000	-
A3/A-/AA/AA				TRB 2015D-1	9/17/2015	21,925,000	11/15/2033	5.000						21,925,000	
A3/A-/AA/AA				TRB 2015D-1	9/17/2015	20,000,000	11/15/2034	5.000						20,000,000	
A3/A-/AA/AA				TRB 2015D-1	9/17/2015	17,785,000	11/15/2035	5.000			-	-	_	17,785,000	-
A3/A-/AA/AA				TRB 2015D-1	9/17/2015	8,155,000	11/15/2035	3.375		-	-	-	-	8,155,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	4,520,000	11/15/2029	4.000	-	-	-	-	-	4,520,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	4,700,000	11/15/2030	4.000	-	-	-	-	-	4,700,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	4,890,000	11/15/2031	4.000	-	-	-	-	-	4,890,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	5,085,000	11/15/2032	4.000	-	-	-	-	-	5,085,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	5,290,000	11/15/2033	4.000	-	-	-	-	-	5,290,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	5,500,000	11/15/2034	4.000	-	-	-	-	-	5,500,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	5,720,000	11/15/2035	4.000	-	-	-	-	-	5,720,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR			TRB 2015E-3	11/6/2024	5,950,000	11/15/2036	4.000	-	-	-	-	-	5,950,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	6,190,000	11/15/2037	4.000 4.000	-	-	-	-	-	6,190,000	-
A3/A-/AA/AA A3/A-/AA/AA	Aa1/AA/A+/NR Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF VMIG 1/A-1/F1+/NF		TRB 2015E-3 TRB 2015E-3	11/6/2024 11/6/2024	6,435,000 6,695,000	11/15/2038 11/15/2039	4.000	-	-	-	-	-	6,435,000 6,695,000	-
A3/A-/AA/AA A3/A-/AA/AA	Aa1/AA/A+/NR Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	6,960,000	11/15/2039	4.000	-			-	-	6,960,000	
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	7,240,000	11/15/2041	4.000						7,240,000	
A3/A-/AA/AA	Aa1/AA/A+/NR			TRB 2015E-3	11/6/2024	7,530,000	11/15/2042	4.000	-	_		-		7,530,000	_
A3/A-/AA/AA	Aa1/AA/A+/NR			TRB 2015E-3	11/6/2024	7,830,000	11/15/2043	4.000		-	-	-	-	7,830,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR			TRB 2015E-3	11/6/2024	8,145,000	11/15/2044	4.000	-	-	-	-	-	8,145,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	8,470,000	11/15/2045	4.000	-	-	-	-	-	8,470,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	8,805,000	11/15/2046	4.000	-	-	-	-	-	8,805,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	9,160,000	11/15/2047	4.000	-	-	-	-	-	9,160,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR			TRB 2015E-3	11/6/2024	9,525,000	11/15/2048	4.000	-	-	-	-	-	9,525,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	9,905,000	11/15/2049	4.000	-	-	-	-	-	9,905,000	-
A3/A-/AA/AA	Aa1/AA/A+/NR	VMIG 1/A-1/F1+/NF		TRB 2015E-3	11/6/2024	10,305,000	11/15/2050	4.000		-	-	-	-	10,305,000	-
A3/A-/AA/AA				TRB 2015F	12/17/2015	13,990,000	11/15/2024	5.000	13,990,000	-	-	-	-		-
A3/A-/AA/AA				TRB 2015F	12/17/2015	14,695,000	11/15/2025	5.000	-	-	-	-	-	14,695,000	-
A3/A-/AA/AA				TRB 2015F TRB 2015F	12/17/2015	9,405,000	11/15/2026 11/15/2027	5.000 5.000	-	-	-	-	-	9,405,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2015F	12/17/2015 12/17/2015	16,240,000 17,055,000	11/15/2027	5.000						16,240,000 17,055,000	
A3/A-/AA/AA				TRB 2015F	12/17/2015	30,380,000	11/15/2028	5.000						30,380,000	
A3/A-/AA/AA				TRB 2015F	12/17/2015	18,770,000	11/15/2020	3.250	-		-			18,770,000	_
A3/A-/AA/AA				TRB 2015F	12/17/2015	19,380,000	11/15/2031	3.250			-	-	_	19,380,000	-
A3/A-/AA/AA				TRB 2015F	12/17/2015	20,010,000	11/15/2032	5.000		-	-	-	-	20,010,000	-
A3/A-/AA/AA				TRB 2015F	12/17/2015	4,500,000	11/15/2033	5.000	-	-	-	-	-	4,500,000	-
A3/A-/AA/AA				TRB 2015F	12/17/2015	16,510,000	11/15/2033	3.250	-	-	-	-	-	16,510,000	-
A3/A-/AA/AA				TRB 2015F	12/17/2015	7,000,000	11/15/2034	5.000	-	-	-	-	-	7,000,000	-
A3/A-/AA/AA				TRB 2015F	12/17/2015	14,770,000	11/15/2034	3.375	-	-	-	-	-	14,770,000	-
A3/A-/AA/AA				TRB 2015F	12/17/2015	22,620,000	11/15/2035	5.000	-	-	-	-	-	22,620,000	-
A3/A-/AA/AA				TRB 2015F	12/17/2015	23,750,000	11/15/2036	5.000	-	-	-	-	-	23,750,000	-
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	5,975,000	11/15/2024	5.000	5,975,000	-	-	-	-		-
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	6,275,000	11/15/2025	2.500	-	-	-	-	-	6,275,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2016A-1 TRB 2016A-1	2/25/2016 2/25/2016	6,430,000	11/15/2026 11/15/2027	5.000 5.000	-	-	-	-	-	6,430,000	-
				TRB 2016A-1	2/25/2016	6,750,000	11/15/2027	5.000	-	-	-	-	-	6,750,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2016A-1	2/25/2016 2/25/2016	7,090,000 7,445,000	11/15/2028	5.000	-	-	-	-	-	7,090,000 7,445,000	
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	7,815,000	11/15/2029	5.000		-		-	-	7,815,000	-
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	8,205,000	11/15/2030	5.000		-	-	-	-	8,205,000	- -
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	8,620,000	11/15/2032	5.000		-	-	-	-	8,620,000	-
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	875,000	11/15/2033	5.000	-	-	-	-	-	875,000	
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	8,175,000	11/15/2033	4.000	-	-	-	-	-	8,175,000	-
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	9,415,000	11/15/2034	3.000	-	-	-	-	-	9,415,000	-
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	1,160,000	11/15/2035	5.000	-	-	-	-	-	1,160,000	-
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	3,540,000	11/15/2035	3.100	-	-	-	-	-	3,540,000	-
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	5,000,000	11/15/2035	4.000	-	-	-	-	-	5,000,000	-
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	10,070,000	11/15/2036	5.000	-	-	-	-	-	10,070,000	
A3/A-/AA/AA				TRB 2016A-1	2/25/2016	6,020,000	11/15/2037	3.500	-	-	-	-	-	6,020,000	-

TRB 2016A-1

2/25/2016

A3/A-/AA/AA

5.000

4,555,000

4,555,000 11/15/2037

Disclosure for Fise	cal Year Ended 12	/31/2024												
			Total Bonds and Note		8,015,225,000									
			New Money Bonds and Note		4,800,940,000	Г	T-4-1	1,702,930,000	F 272 F20 000		90 900 000	FCC 1CF 000	45,980,577,500	1,870,555,000
			Refunding Bonds and Note	es issuea in 2024	3,214,285,000	L	Total	1,702,930,000	5,273,530,000	•	80,890,000	566,165,000	45,980,577,500	1,870,555,000
	Credit Supported L T										Amount	Amount		
Underlying L T Ratings	Ratings	S T Ratings						Amount Matured in		Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	2024	<u>in 2024</u>	2024	2024	2024	of December 31, 2024	December 31, 2024
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	6,230,000	11/15/2038	3.500 5.000	-	-	-	-	-	6,230,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016A-1 TRB 2016A-1	2/25/2016 2/25/2016	4,780,000 6,450,000	11/15/2038 11/15/2039	3.500	-	-	-	-	-	4,780,000 6,450,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016A-1	2/25/2016	5,020,000	11/15/2039	5.000	-		-	-	-	5,020,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	6,670,000	11/15/2040	3.500				-	-	6,670,000	_
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	5,275,000	11/15/2040	5.000	-	-		-	-	5,275,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	6,905,000	11/15/2041	3.500	-	-	-	-	-	6,905,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	5,535,000	11/15/2041	5.000	-	-	-	-	-	5,535,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	9,960,000	11/15/2042	5.000	-	-	-	-	-	9,960,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	3,000,000	11/15/2042	4.000	-	-	-	-	-	3,000,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016A-1 TRB 2016A-1	2/25/2016 2/25/2016	10,580,000 3,000,000	11/15/2043 11/15/2043	5.000 4.000	-	-	-	-	-	10,580,000 3,000,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	11,230,000	11/15/2043	5.000						11,230,000	
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	3,000,000	11/15/2044	4.000	_	-	-	_	-	3,000,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	11,910,000	11/15/2045	5.000	-	-	-	-	-	11,910,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	3,000,000	11/15/2045	4.000	-	-	-	-	-	3,000,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	12,625,000	11/15/2046	5.000	-	-	-	-	-	12,625,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	3,000,000	11/15/2046	4.000	-	-	-	-	-	3,000,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	13,750,000	11/15/2047	5.250	-	-	-	-	-	13,750,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016A-1 TRB 2016A-1	2/25/2016 2/25/2016	14,475,000 15,235,000	11/15/2048 11/15/2049	5.250 5.250	-	-	-	-	-	14,475,000 15,235,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016A-1	2/25/2016	16,035,000	11/15/2049	5.250			-	-	-	15,235,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	16,875,000	11/15/2051	5.250	_	_	_	_	_	16,875,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	17,760,000	11/15/2052	5.250	-	-	-	-	-	17,760,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	18,695,000	11/15/2053	5.250	-	-	-	-	-	18,695,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	19,675,000	11/15/2054	5.250	-	-	-	-	-	19,675,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	20,705,000	11/15/2055	5.250	-	-	-	-	-	20,705,000	-
A3/A-/AA/AA			TRB 2016A-1	2/25/2016	21,795,000	11/15/2056	5.250	-	-	-	-	-	21,795,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016A-2 Refunding Bonds TRB 2016A-2 Refunding Bonds	2/25/2016 2/25/2016	34,860,000 46,400,000	11/15/2024 11/15/2025	5.000 5.000	34,860,000	-	-	-	-	46.400.000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016A-2 Refunding Bonds TRB 2016A-2 Refunding Bonds	2/25/2016	7,590,000	11/15/2025	4.000			-			7,590,000	-
A3/A-/AA/AA			TRB 2016A-2 Refunding Bonds	2/25/2016	1,840,000	11/15/2026	4.000	_	-	-	_	-	1,840,000	-
A3/A-/AA/AA			TRB 2016A-2 Refunding Bonds	2/25/2016	36,515,000	11/15/2026	5.000						36,515,000	-
A3/A-/AA/AA			TRB 2016A-2 Refunding Bonds	2/25/2016	40,255,000	11/15/2027	5.000	-	-	-	-	-	40,255,000	-
A3/A-/AA/AA			TRB 2016A-2 Refunding Bonds	2/25/2016	1,255,000	11/15/2028	2.500	-	-	-	-	-	1,255,000	-
A3/A-/AA/AA			TRB 2016A-2 Refunding Bonds	2/25/2016	26,715,000	11/15/2028	5.000	-	-	-	-	-	26,715,000	-
A3/A-/AA/AA			TRB 2016B	6/30/2016	1,045,000	11/15/2024	4.000	1,045,000	-	-	-	-	-	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016B TRB 2016B	6/30/2016 6/30/2016	24,200,000 5,195,000	11/15/2024 11/15/2025	5.000 4.000	24,200,000	-	-	-	-	5,195,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016B	6/30/2016	21,300,000	11/15/2025	5.000	-		-	-		21,300,000	
A3/A-/AA/AA			TRB 2016B	6/30/2016	6,245,000	11/15/2026	4.000				-	-	6,245,000	_
A3/A-/AA/AA			TRB 2016B	6/30/2016	21,525,000	11/15/2026	5.000	-	-	-	-	-	21,525,000	-
A3/A-/AA/AA			TRB 2016B	6/30/2016	29,095,000	11/15/2027	5.000	-	-	-	-	-	29,095,000	-
A3/A-/AA/AA			TRB 2016B	6/30/2016	11,060,000	11/15/2028	5.000	-	-	-	-	-	11,060,000	-
A3/A-/AA/AA			TRB 2016B	6/30/2016	14,630,000	11/15/2029	5.000	-	-	-	-	-	14,630,000	-
A3/A-/AA/AA			TRB 2016B	6/30/2016	7,500,000	11/15/2030	5.000	-	-	-	-	-	7,500,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016B TRB 2016B	6/30/2016 6/30/2016	1,855,000 2,175,000	11/15/2031 11/15/2032	5.000 5.000	-	-	-	-	-	1,855,000 2,175,000	-
A3/A-/AA/AA			TRB 2016B	6/30/2016	15,720,000	11/15/2032	5.000			-	-	-	15,720,000	-
A3/A-/AA/AA			TRB 2016B	6/30/2016	18,060,000	11/15/2034	4.000				-	-	18,060,000	_
A3/A-/AA/AA			TRB 2016B	6/30/2016	20,415,000	11/15/2034	5.000	-	-	-	-	-	20,415,000	-
A3/A-/AA/AA			TRB 2016B	6/30/2016	46,570,000	11/15/2035	5.000	-	-	-	-	-	46,570,000	-
A3/A-/AA/AA			TRB 2016B	6/30/2016	46,225,000	11/15/2035	5.000	-	-	-	-	-	46,225,000	-
A3/A-/AA/AA			TRB 2016B	6/30/2016	98,000,000	11/15/2036	4.000	-	-	-	-	-	98,000,000	-
A3/A-/AA/AA			TRB 2016B	6/30/2016	105,850,000	11/15/2037	5.000		-	-	-	-	105,850,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016C-1 TRB 2016C-1	7/28/2016 7/28/2016	6,570,000 6,895,000	11/15/2024 11/15/2025	5.000 5.000	6,570,000	-	-	-	-	6.895.000	-
A3/A-/AA/AA			TRB 2016C-1 TRB 2016C-1	7/28/2016	7,240,000	11/15/2025	4.000	-		-	-	-	7,240,000	-
A3/A-/AA/AA			TRB 2016C-1	7/28/2016	7,530,000	11/15/2027	5.000	_	_	_	_	_	7,530,000	-
A3/A-/AA/AA			TRB 2016C-1	7/28/2016	7,905,000	11/15/2028	5.000	-	-	-	-	-	7,905,000	-
A3/A-/AA/AA			TRB 2016C-1	7/28/2016	8,305,000	11/15/2029	5.000	-	-	-	-	-	8,305,000	-
A3/A-/AA/AA			TRB 2016C-1	7/28/2016	8,720,000	11/15/2030	5.000	-	-	-	-	-	8,720,000	-
A3/A-/AA/AA			TRB 2016C-1	7/28/2016	9,155,000	11/15/2031	5.000	-	-	-	-	-	9,155,000	-
A3/A-/AA/AA			TRB 2016C-1	7/28/2016	9,610,000	11/15/2032	5.000	-	-	-	-	-	9,610,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016C-1 TRB 2016C-1	7/28/2016 7/28/2016	10,090,000 10,595,000	11/15/2033 11/15/2034	5.000 5.000	-	-	-	-	-	10,090,000 10,595,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016C-1 TRB 2016C-1	7/28/2016	11,125,000	11/15/2034	5.000	-	-	-	-	-	10,595,000	
A3/A-/AA/AA			TRB 2016C-1	7/28/2016	11,680,000	11/15/2036	5.000	-	-	-	-	-	11,680,000	
A3/A-/AA/AA			TRB 2016C-1	7/28/2016	12,265,000	11/15/2037	4.000	-	-	-	-	-	12,265,000	
A3/A-/AA/AA			TRB 2016C-1	7/28/2016	12,755,000	11/15/2038	4.000	-	-	-	-	-	12,755,000	-
A3/A-/AA/AA			TRB 2016C-1	7/28/2016	13,265,000	11/15/2039	5.000	-	-	-	-	-	13,265,000	-

Disclosure for Fis	scal Year Ended 12	2/31/2024												
			Total Bonds and	Notes Issued in 2024	8,015,225,000									
			New Money Bonds and		4,800,940,000	_								
			Refunding Bonds and	Notes Issued in 2024	3,214,285,000	. L	Total	1,702,930,000	5,273,530,000	-	80,890,000	566,165,000	45,980,577,500	1,870,555,000
	Credit Supported L T										Amount	Amount		
Underlying L T Ratings		S T Ratings						Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll		Mdy/S&P/Ftch/Krll	Series	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
A3/A-/AA/AA		,,,	TRB 2016C		13,930,000	11/15/2040	4.000		-	-	-		13,930,000	
A3/A-/AA/AA	A		TRB 2016C	-1 7/28/2016	14,485,000	11/15/2041	4.000	-	-	-	-	-	14,485,000	-
A3/A-/AA/AA			TRB 2016C		4,650,000	11/15/2042	5.000	-	-	-	-	-	4,650,000	-
A3/A-/AA/AA	A		TRB 2016C	-1 7/28/2016	5,540,000	11/15/2042	4.000	-	-	-	-	-	5,540,000	-
A3/A-/AA/AA	A		TRB 2016C	-1 7/28/2016	4,875,000	11/15/2042	3.000	-	-	-	-	-	4,875,000	-
A3/A-/AA/AA	A		TRB 2016C	-1 7/28/2016	4,885,000	11/15/2043	5.000	-	-	-	-	-	4,885,000	-
A3/A-/AA/AA	A		TRB 2016C	-1 7/28/2016	5,760,000	11/15/2043	4.000	-	-	-	-	-	5,760,000	-
A3/A-/AA/AA	A		TRB 2016C	-1 7/28/2016	5,020,000	11/15/2043	3.000	-	-	-	-	-	5,020,000	-
A3/A-/AA/AA	A		TRB 2016C		5,125,000	11/15/2044	5.000	-	-	-	-	-	5,125,000	-
A3/A-/AA/AA			TRB 2016C		5,990,000	11/15/2044	4.000		-	-	-	-	5,990,000	-
A3/A-/AA/AA			TRB 2016C	,,	5,175,000	11/15/2044	3.000		-	-	-	-	5,175,000	-
A3/A-/AA/AA			TRB 2016C		5,385,000	11/15/2045	5.000		-	-	-	-	5,385,000	-
A3/A-/AA/AA			TRB 2016C		6,230,000	11/15/2045	4.000		-	-	-	-	6,230,000	-
A3/A-/AA/AA			TRB 2016C		5,330,000	11/15/2045	3.000		-	-	-	-	5,330,000	-
A3/A-/AA/AA			TRB 2016C		5,655,000	11/15/2046	5.000		-	-	-	-	5,655,000	-
A3/A-/AA/AA			TRB 2016C		6,480,000	11/15/2046	4.000		-	-	-	-	6,480,000	-
A3/A-/AA/AA			TRB 2016C		5,485,000	11/15/2046	3.000		-	-	-	-	5,485,000	-
A3/A-/AA/AA			TRB 2016C		7,950,000	11/15/2047	5.000		-	-	-	-	7,950,000	-
A3/A-/AA/AA			TRB 2016C		10,380,000	11/15/2047	5.250		-	-	-	-	10,380,000	-
A3/A-/AA/AA			TRB 2016C		8,350,000	11/15/2048	5.000		-	-	-	-	8,350,000	-
A3/A-/AA/AA			TRB 2016C		10,920,000	11/15/2048	5.250		-	-	-	-	10,920,000	-
A3/A-/AA/AA			TRB 2016C		8,765,000	11/15/2049	5.000		-	-	-	-	8,765,000	-
A3/A-/AA/AA			TRB 2016C		11,495,000	11/15/2049	5.250		-	-	-	-	11,495,000	-
A3/A-/AA/AA			TRB 2016C	, .,	9,205,000	11/15/2050	5.000		-	-	-	-	9,205,000	-
A3/A-/AA/AA			TRB 2016C		12,100,000	11/15/2050	5.250		-	-	-	-	12,100,000	-
A3/A-/AA/AA			TRB 2016C	,,	9,665,000	11/15/2051	5.000		-	-	-	-	9,665,000	-
A3/A-/AA/AA			TRB 2016C		12,735,000	11/15/2051	5.250		-	-	-	-	12,735,000	-
A3/A-/AA/AA			TRB 2016C		10,145,000	11/15/2052	5.000		-	-	-	-	10,145,000	-
A3/A-/AA/AA			TRB 2016C		13,405,000	11/15/2052	5.250 5.000		-	-	-	-	13,405,000	-
A3/A-/AA/AA			TRB 2016C		10,655,000	11/15/2053			-	-	-	-	10,655,000	-
A3/A-/AA/AA			TRB 2016C		14,105,000	11/15/2053	5.250		-	-	-	-	14,105,000	-
A3/A-/AA/AA			TRB 2016C		11,185,000	11/15/2054	5.000		-	-	-	-	11,185,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016C TRB 2016C		14,850,000 11,745,000	11/15/2054 11/15/2055	5.250 5.000		-	-	-	-	14,850,000 11,745,000	-
A3/A-/AA/AA			TRB 2016C		15,630,000	11/15/2055	5.250		-	•	-	-	15,630,000	-
			TRB 2016C		12,335,000	11/15/2056	5.000		-	•	-	-	12,335,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2016C		12,335,000		5.000		-	-	-	-	12,335,000	-
A3/A-/AA/AA			TRB 2016C-2a Refunding Bon		26,390,000	11/15/2056 11/15/2038	3.000		-	•	-	-	26,390,000	-
A3/A-/AA/AA			TRB 2016C-2a Refunding Bon		29,730,000	11/15/2038	4.000		-	-	-	-	29,730,000	-
A3/A-/AA/AA			TRB 2016C-2a Returning Born		13,725,000	11/15/2038	4.000		-		-	-	29,730,000	
A3/A-/AA/AA			TRB 2016		14,510,000	11/15/2024	5.000						14,510,000	
A3/A-/AA/AA			TRB 2016		57,015,000	11/15/2027	5.000						57,015,000	
A3/A-/AA/AA			TRB 2016		30,895,000	11/15/2028	5.000						30,895,000	
A3/A-/AA/AA			TRB 2016		57,805,000	11/15/2029	5.000						57,805,000	
A3/A-/AA/AA			TRB 2016		60.700.000	11/15/2020	5.000						60,700,000	
A3/A-/AA/AA			TRB 2016		52,730,000	11/15/2031	5.000						52.730.000	
A3/A-/AA/AA			TRB 2016		11,000,000	11/15/2031	5.250						11,000,000	
A3/A-/AA/AA			TRB 2016		31,595,000	11/15/2032	3.000						31,595,000	_
A3/A-/AA/AA			TRB 2016		29,005,000	11/15/2032	4.000						29,005,000	_
A3/A-/AA/AA			TRB 2016		19,845,000	11/15/2033	4.000	-					19.845.000	_
A3/A-/AA/AA			TRB 2016		20,635,000	11/15/2034	4.000						20,635,000	_
A3/A-/AA/AA			TRB 2016		21,465,000	11/15/2035	3.125						21,465,000	_
A3/A-/AA/AA			TRB 2017A		2,255,000	11/15/2024	4.000						,,	-
A3/A-/AA/AA			TRB 2017A		2,365,000	11/15/2025	5.000						2,365,000	-
A3/A-/AA/AA			TRB 2017A		2,485,000	11/15/2026	5.000						2,485,000	-
A3/A-/AA/AA			TRB 2017A		2,610,000	11/15/2027	5.000		-	-	-	-	2,610,000	-
A3/A-/AA/AA			TRB 2017A	-1 3/16/2017	2,740,000	11/15/2028	5.000	-	-	-	-	-	2,740,000	-
A3/A-/AA/AA			TRB 2017A	-1 3/16/2017	2,875,000	11/15/2029	5.000	-	-	-	-	-	2,875,000	-
A3/A-/AA/AA	A		TRB 2017A	-1 3/16/2017	3,020,000	11/15/2030	3.250	-	-	-	-	-	3,020,000	-
A3/A-/AA/AA			TRB 2017A		3,120,000	11/15/2031	5.000		-	-	-	-	3,120,000	-
A3/A-/AA/AA			TRB 2017A		3,275,000	11/15/2032	5.000	-	-	-	-	-	3,275,000	-
A3/A-/AA/AA			TRB 2017A		3,440,000	11/15/2033	3.500		-	-	-	-	3,440,000	-
A3/A-/AA/AA			TRB 2017A		3,560,000	11/15/2034	5.000		-	-	-	-	3,560,000	-
A3/A-/AA/AA	A		TRB 2017A		3,735,000	11/15/2035	5.000	-	-	-	-	-	3,735,000	-
A3/A-/AA/AA			TRB 2017A		3,925,000	11/15/2036	5.000		-	-	-	-	3,925,000	-
A3/A-/AA/AA	A		TRB 2017A	-1 3/16/2017	4,050,000	11/15/2037	5.000	-	-	-	-	-	4,050,000	-
A3/A-/AA/AA	A		TRB 2017A	-1 3/16/2017	4,320,000	11/15/2038	4.000	-	-	-	-	-	4,320,000	-
A3/A-/AA/AA			TRB 2017A		4,495,000	11/15/2039	4.000		-	-	-	-	4,495,000	-
A3/A-/AA/AA			TRB 2017A	,,	4,675,000	11/15/2040	4.000		-	-	-	-	4,675,000	-
A3/A-/AA/AA			TRB 2017A		4,860,000	11/15/2041	4.000		-	-	-	-	4,860,000	-
A3/A-/AA/AA	A		TRB 2017A	-1 3/16/2017	5,055,000	11/15/2042	4.000	-	-	-	-	-	5,055,000	-

Disclosure for Fiscal Fear Ended 12/01/2021		Total Bonds and Notes Issued in 2024		8,015,225,000											
			New Money Bonds and Notes Issued in 2024		4,800,940,000										
			Refunding Bonds and Notes Issued in 2024		3,214,285,000		Total	1,702,930,000	5,273,530,000	-	80,890,000	566,165,000	45,980,577,500	1,870,555,000	
						_									
	Credit Supported L T											Amount	Amount		
Underlying L T Ratings	Ratings	S T Ratings							Amount Matured in		Amount Called in	Redeemed in	Refinanced in		Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	TRB 2017A-1	Date Issued	Amount Issued	Maturity	Coupon 4.000	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
A3/A-/AA/AA A3/A-/AA/AA				TRB 2017A-1	3/16/2017 3/16/2017	5,255,000 5,470,000	11/15/2043 11/15/2044	4.000	-	-	-	-	-	5,255,000 5,470,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2017A-1	3/16/2017	5,685,000	11/15/2044	4.000		-		-	-	5,685,000	
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	5,915,000	11/15/2045	4.000		-				5,915,000	-
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	1,070,000	11/15/2047	5.000						1,070,000	
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	5,080,000	11/15/2047	4.000		-				5,080,000	_
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	6,405,000	11/15/2048	4.000						6,405,000	_
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	6,665,000	11/15/2049	5.000		-		-	_	6.665.000	_
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	6,995,000	11/15/2050	5.000	-			_	-	6,995,000	-
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	7,345,000	11/15/2051	5.000					_	7,345,000	-
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	7,715,000	11/15/2052	5.250	-	-	-	-	-	7,715,000	-
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	8,120,000	11/15/2053	5.250	-	-	-	-	-	8,120,000	-
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	8,545,000	11/15/2054	5.250	-	-	-	-	-	8,545,000	-
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	8,995,000	11/15/2055	5.250	-	-	-	-	-	8,995,000	-
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	9,465,000	11/15/2056	5.250	-	-	-	-	-	9,465,000	-
A3/A-/AA/AA				TRB 2017A-1	3/16/2017	9,960,000	11/15/2057	5.250	-	-	-	-	-	9,960,000	-
A3/A-/AA/AA			TRB 2017A-2 Re		3/16/2017	10,875,000	11/15/2024	5.000	10,875,000	-	-	-	-	-	-
A3/A-/AA/AA			TRB 2017A-2 Re		3/16/2017	22,955,000	11/15/2025	5.000	-	-	-	-	-	22,955,000	-
A3/A-/AA/AA			TRB 2017A-2 Re		3/16/2017	24,105,000	11/15/2026	5.000	-	-	-	-	-	24,105,000	-
A3/A-/AA/AA			TRB 2017A-2 Re		3/16/2017	25,305,000	11/15/2027	5.000	-	-	-	-	-	25,305,000	-
A3/A-/AA/AA			TRB 2017A-2 Re		3/16/2017	24,940,000	11/15/2028	5.000	-	-	-	-	-	24,940,000	-
A3/A-/AA/AA			TRB 2017A-2 Re		3/16/2017	13,880,000	11/15/2029	5.000	-	-	-	-	-	13,880,000	-
A3/A-/AA/AA			TRB 2017A-2 Re		3/16/2017	14,575,000	11/15/2030	5.000	-	-	-	-	-	14,575,000	-
A3/A-/AA/AA				TRB 2017B	9/28/2017	145,940,000	11/15/2024	5.000	145,940,000	-	-	-	-	-	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2017B TRB 2017B	9/28/2017 9/28/2017	2,690,000 103,250,000	11/15/2024 11/15/2025	4.000 5.000	2,690,000	-	-	-	-	103,250,000	-
A3/A-/AA/AA				TRB 2017B	9/28/2017	54,855,000	11/15/2026	5.000						54,855,000	1
A3/A-/AA/AA				TRB 2017B	9/28/2017	1,810,000	11/15/2027	4.000						1,810,000	
A3/A-/AA/AA				TRB 2017B	9/28/2017	42,925,000	11/15/2027	5.000					-	42,925,000	-
A3/A-/AA/AA				TRB 2017B	9/28/2017	46,955,000	11/15/2028	5.000	-			_	-	46,955,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	4,265,000	11/15/2024	3.000	4,265,000			-	-	-	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	4,310,000	11/15/2024	4.000	4,310,000	-	-	-	-		-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	96,725,000	11/15/2024	5.000	96,725,000	-	-	-	-	-	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	133,575,000	11/15/2025	5.000	-	-	-	-	-	133,575,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	1,125,000	11/15/2025	4.000	-	-	-	-	-	1,125,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	1,600,000	11/15/2025	3.000	-	-	-	-	-	1,600,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	4,300,000	11/15/2026	4.000	-	-	-	-	-	4,300,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	1,825,000	11/15/2026	3.000	-	-	-	-	-	1,825,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	173,050,000	11/15/2026	5.000	-	-	-	-	-	173,050,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	95,205,000	11/15/2027	5.000	-	-	-	-	-	95,205,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	146,960,000	11/15/2028	5.000	-	-	-	-	-	146,960,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	158,000,000	11/15/2029	5.000	-	-	-	-	-	158,000,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	124,225,000	11/15/2030	5.000	-	-	-	-	-	124,225,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2017C-1 TRB 2017C-1	12/14/2017 12/14/2017	153,135,000 68,945,000	11/15/2031 11/15/2031	5.000 4.000	-	-	-	-	-	153,135,000 68,945,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	99,240,000	11/15/2031	4.000		-				99.240.000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	70,020,000	11/15/2032	5.000		-				70,020,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	21,840,000	11/15/2034	4.000					-	21,840,000	
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	85,385,000	11/15/2034	5.000		-		-	_	85,385,000	_
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	85,030,000	11/15/2035	4.000	-			_	-	85,030,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	11,580,000	11/15/2036	4.000	-	-	-	-	-	11,580,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	76,830,000	11/15/2036	3.250	-	-	-	-	-	76,830,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	49,405,000	11/15/2037	4.000	-	-	-	-	-	49,405,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	28,775,000	11/15/2037	3.375	-	-	-	-	-	28,775,000	-
A3/A-/AA/AA				TRB 2017C-1	12/14/2017	81,130,000	11/15/2038	4.000	-	-	-	-	-	81,130,000	-
A3/A-/AA/AA				TRB 2017C-2	12/14/2017	28,315,000	11/15/2027	-	-	-	-	-	-	28,315,000	-
A3/A-/AA/AA				TRB 2017C-2	12/14/2017	62,075,000	11/15/2029	-	-	-	-	-	-	62,075,000	-
A3/A-/AA/AA				TRB 2017C-2	12/14/2017	70,000,000	11/15/2032	-	-	-	-	-	-	70,000,000	-
A3/A-/AA/AA				TRB 2017C-2	12/14/2017	43,785,000	11/15/2033	-	-	-	-	-	-	43,785,000	-
A3/A-/AA/AA				TRB 2017C-2	12/14/2017	84,370,000	11/15/2039	-	-	-	-	-	-	84,370,000	-
A3/A-/AA/AA				TRB 2017C-2	12/14/2017	62,930,000	11/15/2040	-		-	-	-	-	62,930,000	-
A3/A-/AA/AA				TRB 2017D	12/21/2017	6,285,000	11/15/2024	5.000	6,285,000	-	-	-	-		-
A3/A-/AA/AA				TRB 2017D TRB 2017D	12/21/2017	6,620,000	11/15/2025	5.000 5.000	-	-	-	-	-	6,620,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2017D	12/21/2017 12/21/2017	7,310,000 7,675,000	11/15/2026 11/15/2027	5.000	-	-	-	-	-	7,310,000 7,675,000	-
A3/A-/AA/AA				TRB 2017D	12/21/2017	8,035,000	11/15/2027	5.000	-	-	-	-	-	8,035,000	-
A3/A-/AA/AA A3/A-/AA/AA				TRB 2017D	12/21/2017	2,055,000	11/15/2028	5.000	-	-	-	-	-	2,055,000	-
A3/A-/AA/AA				TRB 2017D	12/21/2017	73,225,000	11/15/2030	5.000	_	_	_	-	_	73,225,000	-
A3/A-/AA/AA				TRB 2017D	12/21/2017	17,980,000	11/15/2031	5.000				-	-	17,980,000	-
A3/A-/AA/AA				TRB 2017D	12/21/2017	47,080,000	11/15/2032	5.000	-	-	-	-	-	47,080,000	-
Δ3/Δ-/ΔΔ/ΔΔ				TRB 2017D	12/21/2017	1 630 000	11/15/2032	3,000						1 630 000	

A3/A-/AA/AA

3.000

1,630,000

1,630,000 11/15/2032

TRB 2017D

12/21/2017

rll	Series Date Issued	Amount Issued	Maturity	
·-		_		
	Refunding Bonds and Notes Issued in 2024	3,214,285,000		
	New Money Bonds and Notes Issued in 2024	4,800,940,000		
	Total Bonds and Notes Issued in 2024	8,015,225,000		

	Credit Supported L T											Amount	Amount		
Underlying L T Ratings	Ratings	S T Ratings							Amount Matured in	n Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Is	ssued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
A3/A-/AA/AA			TRB 20		/21/2017	42,435,000	11/15/2033	5.000	-					42,435,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	12,770,000	11/15/2034	5.000	-	-	-	-	-	12,770,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	25,295,000	11/15/2035	5.000	-	-	-	-	-	25,295,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	2,790,000	11/15/2036	5.000	-	-	-	-	-	2,790,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	2,930,000	11/15/2037	5.000	-	-	-	-	-	2,930,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	3,080,000	11/15/2038	3.250	-	-	-	-	-	3,080,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	3,180,000	11/15/2039	3.250	-	-	-	-	-	3,180,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	98,295,000	11/15/2040	4.000	-	-	-	-	-	98,295,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	95,495,000	11/15/2041	4.000	-	-	-	-	-	95,495,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	60,135,000	11/15/2042	4.000	-	-	-	-	-	60,135,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	48,215,000	11/15/2043	4.000	-		-	-	-	48,215,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	18,275,000	11/15/2044	4.000	-	-	-	-	-	18,275,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	19,005,000	11/15/2045	4.000	-	-		-	-	19,005,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	14,920,000	11/15/2046	4.000	-	-		-	-	14,920,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	4,850,000	11/15/2046	3.375	-		-	-	-	4,850,000	-
A3/A-/AA/AA			TRB 20	17D 12/	/21/2017	8,710,000	11/15/2047	3.375	-	-	-	-	-	8,710,000	-
A3/A-/AA/AA			TRB 20	18B 8/	/23/2018	21,365,000	11/15/2024	5.000	21,365,000	-		-	-		-
A3/A-/AA/AA			TRB 20	18B 8/	/23/2018	26,870,000	11/15/2025	5.000	-	-	-	-	-	26,870,000	-
A3/A-/AA/AA			TRB 20	18B 8/	/23/2018	37,995,000	11/15/2026	5.000	-	-	-	-	-	37,995,000	-
A3/A-/AA/AA			TRB 20	18B 8/	/23/2018	31,985,000	11/15/2027	5.000	-	-	-	-	-	31,985,000	-
A3/A-/AA/AA			TRB 20	18B 8/	/23/2018	35,180,000	11/15/2028	5.000	-	-	-	-	-	35,180,000	-
A3/A-/AA/AA			TRB 201		2/6/2019	93,340,000	11/15/2047	5.000		93,340,000				· · ·	-
A3/A-/AA/AA			TRB 201		2/6/2019	98,005,000	11/15/2048	5.000	-	98,005,000	-	-	-		-
A3/A-/AA/AA			TRB 201		2/6/2019	79,415,000	11/15/2044	5,000						79,415,000	-
A3/A-/AA/AA			TRB 201		2/6/2019	83,390,000	11/15/2045	5.000	-					83,390,000	-
A3/A-/AA/AA			TRB 201		2/6/2019	100,000,000	11/15/2046	4.000				-		100,000,000	-
A3/A-/AA/AA			TRB 20		/14/2019	41,620,000	11/15/2049	4.000	_		_			41,620,000	-
A3/A-/AA/AA			TRB 20		/14/2019	43,285,000	11/15/2050	4.000	_		_			43,285,000	-
A3/A-/AA/AA			TRB 20		/14/2019	45,015,000	11/15/2051	5.000	-					45,015,000	-
A3/A-/AA/AA			TRB 20		/14/2019	47,265,000	11/15/2052	5.000						47,265,000	_
A3/A-/AA/AA			TRB 20		/14/2019	26,800,000	11/15/2038	5.000						26,800,000	_
A3/A-/AA/AA			TRB 20		/14/2019	28,140,000	11/15/2039	5.000						28.140.000	_
A3/A-/AA/AA			TRB 2		/14/2019	29,545,000	11/15/2040	5.000				_	_	29,545,000	_
A3/A-/AA/AA			TRB 20		/14/2019	31,020,000	11/15/2040	5.000						31,020,000	
A3/A-/AA/AA			TRB 2		/14/2019	32,575,000	11/15/2041	5.000						32,575,000	
A3/A-/AA/AA			TRB 2		/14/2019	34,200,000	11/15/2042	5.000						34,200,000	
A3/A-/AA/AA A3/A-/AA/AA			TRB 2		/14/2019	35,910,000	11/15/2043	5.000	-	•	-	-	-	35,910,000	-
			TRB 2		/14/2019	37,710,000	11/15/2044	4.000	•	•	•	-	-	37,710,000	-
A3/A-/AA/AA								4.000	-	•	•	-	-		-
A3/A-/AA/AA A3/A-/AA/AA			TRB 20		/14/2019 /14/2019	39,215,000 40,785,000	11/15/2046 11/15/2047	4.000	-	-	-	-	-	39,215,000 40,785,000	-
A3/A-/AA/AA			TRB 2		/14/2019	40,785,000	11/15/2047	4.000	-	•	•	-	-	.,,	-
									-	-	-	-	-	42,415,000	-
A3/A-/AA/AA	44/44/9/9/44		TRB 20		/14/2019	44,115,000	11/15/2049	4.000	-		-	-	-	44,115,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 201		1/7/2019	68,450,000	11/15/2033	5.000	-	68,450,000	-	-	-	-	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 201		1/7/2019	71,870,000	11/15/2034	5.000	-	71,870,000	-	-	-		-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 2019D-2 Tax		1/7/2019	32,640,000	11/15/2046	3.500	-	-	-	-	-	32,640,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 2019D-2 Tax		1/7/2019	33,785,000	11/15/2047	3.600	-	-	-	-	-	33,785,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 2019D-2 Tax		1/7/2019	35,000,000	11/15/2048	3.540	-	-	-	-	-	35,000,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202		/16/2020	33,835,000	11/15/2040	4.000	-	-	-	-	-	33,835,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202		/16/2020	35,190,000	11/15/2041	4.000	-	-	-	-	-	35,190,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202		/16/2020	36,595,000	11/15/2042	4.000	-	-	-	-	-	36,595,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202		/16/2020	38,060,000	11/15/2043	4.000	-	-	-	-	-	38,060,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202		/16/2020	39,585,000	11/15/2044	4.000	-	-	-	-	-	39,585,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202		/16/2020	41,165,000	11/15/2045	4.000	-	-	-	-	-	41,165,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202		/16/2020	42,810,000	11/15/2046	4.000	-	-	-	-	-	42,810,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202		/16/2020	44,525,000	11/15/2047	5.000	-	-	-	-	-	44,525,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202		/16/2020	46,750,000	11/15/2048	5.000	-	-	-	-	-	46,750,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202		/16/2020	49,090,000	11/15/2049	5.000	-	-	-	-	-	49,090,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202		/16/2020	51,555,000	11/15/2050	4.000	-	-	-	-	-	51,555,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202	A-1 1/	/16/2020	53,615,000	11/15/2051	4.000	-	-	-	-	-	53,615,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202		/16/2020	55,760,000	11/15/2052	4.000	-	-	-	-	-	55,760,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202	A-1 1/	/16/2020	57,995,000	11/15/2053	4.000	-	-	-	-	-	57,995,000	-
A3/A-/AA/AA	A1/AA/NR/AA+		TRB 202	A-1 1/	/16/2020	60,310,000	11/15/2054	4.000	-	-	-	-	-	60,310,000	-
A3/A-/AA/AA			TRB 2020A-2 Refunding B	nds 1/	/16/2020	11,210,000	11/15/2028	5.000	-	11,210,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2020A-2 Refunding B		/16/2020	11,615,000	11/15/2029	5.000	-	11,615,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2020A-2 Refunding B		/16/2020	29,255,000	11/15/2030	5.000	-	29,255,000	-	-	-		-
A3/A-/AA/AA			TRB 2020A-2 Refunding B		/16/2020	55,480,000	11/15/2031	5.000	-	55,480,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2020A-2 Refunding B		/16/2020	50,970,000	11/15/2032	5.000	-	50,970,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2020A-2 Refunding B		/16/2020	38,940,000	11/15/2033	5.000	-	38,940,000	-	-	-	-	-
A3/A-/AA/AA			TRB 2020A-2 Refunding B		/16/2020	40,440,000	11/15/2034	5.000	-	40,440,000	-	-	-	-	-
NR/NAF/NAF/NR			HRY 20		/27/2020	72,940,000	11/15/2046	5.000	-		-	-	-	72,940,000	-
A3/A-/AA/AA			TRB 202	C-1 5/	/14/2020	38,260,000	11/15/2038	4.750	-	-	-	-	-	38,260,000	-

Total

1,702,930,000

5,273,530,000

80,890,000

566,165,000

45,980,577,500

1,870,555,000

Disclosure for Fisc	cal Year Ended 12	/31/2024												
			Total Bonds and Note		8,015,225,000									
			New Money Bonds and Note Refunding Bonds and Note		4,800,940,000 3,214,285,000	Г	Total	1,702,930,000	5,273,530,000		80,890,000	566,165,000	45,980,577,500	1,870,555,000
		_			., ,,	_		, . , , ,	.,,,					
Underlying L T Ratings	Credit Supported L T Ratings	S T Ratings						Amount Matured in	Amount Defeased	Amount Called in	Amount Redeemed in	Amount Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Series	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
A3/A-/AA/AA			TRB 2020C-1	5/14/2020	40,185,000	11/15/2039	4.750						40,185,000	-
A3/A-/AA/AA			TRB 2020C-1	5/14/2020	42,200,000	11/15/2040	4.750	-	-	-	-	-	42,200,000	-
A3/A-/AA/AA			TRB 2020C-1	5/14/2020	44,315,000	11/15/2041	4.750	-	-	-	-	-	44,315,000	-
A3/A-/AA/AA			TRB 2020C-1 TRB 2020C-1	5/14/2020	46,530,000 48.850,000	11/15/2042	4.750 4.750	-	-	-	-	-	46,530,000 48,850,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2020C-1 TRB 2020C-1	5/14/2020 5/14/2020	48,850,000 51,275,000	11/15/2043 11/15/2044	4.750	-	-	-	-	-	48,850,000 51,275,000	-
A3/A-/AA/AA			TRB 2020C-1	5/14/2020	53,820,000	11/15/2045	4.750				-	-	53,820,000	_
A3/A-/AA/AA			TRB 2020C-1	5/14/2020	67,225,000	11/15/2046	5.000					-	67,225,000	-
A3/A-/AA/AA			TRB 2020C-1	5/14/2020	70,165,000	11/15/2047	5.000	-	-	-	-	-	70,165,000	-
A3/A-/AA/AA			TRB 2020C-1	5/14/2020	73,250,000	11/15/2048	5.000	-	-	-	-	-	73,250,000	-
A3/A-/AA/AA			TRB 2020C-1	5/14/2020	76,490,000	11/15/2049	5.000	-	-	-	-	-	76,490,000	-
A3/A-/AA/AA			TRB 2020C-1	5/14/2020	79,890,000	11/15/2050	5.000	-	-	-	-	-	79,890,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2020C-1 TRB 2020C-1	5/14/2020 5/14/2020	70,210,000 74,145,000	11/15/2051 11/15/2052	5.250 5.250	-	-	-	-	-	70,210,000 74,145,000	-
A3/A-/AA/AA			TRB 2020C-1	5/14/2020	78,290,000	11/15/2052	5.250	_	_	_	_	_	78,290,000	-
A3/A-/AA/AA			TRB 2020C-1	5/14/2020	82,650,000	11/15/2054	5.250	-	-	-	-	-	82,650,000	-
A3/A-/AA/AA			TRB 2020C-1	5/14/2020	87,250,000	11/15/2055	5.250	-	-	-	-	-	87,250,000	-
A3/A-/AA/AA			TRB 2020C-2 Taxable	5/14/2020	196,410,000	11/15/2047	5.175		181,055,000	-	-	-	15,355,000	-
A3/A-/AA/AA			TRB 2020C-2 Taxable	5/14/2020	196,410,000	11/15/2048	5.175	-	181,055,000	-	-	-	15,355,000	-
A3/A-/AA/AA			TRB 2020C-2 Taxable	5/14/2020	196,405,000	11/15/2049	5.175	-	181,050,000	-	-	-	15,355,000	-
A3/A-/AA/AA			TRB 2020C-2 Taxable	5/14/2020	3,590,000	11/15/2047	5.525	-	3,310,000	-	-	-	280,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2020C-2 Taxable TRB 2020C-2 Taxable	5/14/2020 5/14/2020	3,590,000 3,595,000	11/15/2048 11/15/2049	5.525 5.525	-	3,310,000 3,315,000	-	-	-	280,000 280,000	-
A3/A-/AA/AA			TRB 2015A-2	5/14/2020	25,975,000	11/15/2038	5.000		3,313,000		-	-	25,975,000	-
A3/A-/AA/AA			TRB 2015A-2	5/14/2020	27,275,000	11/15/2039	5.000					-	27,275,000	-
A3/A-/AA/AA			TRB 2015A-2	5/14/2020	28,640,000	11/15/2040	5.000	-	-	-	-	-	28,640,000	-
A3/A-/AA/AA			TRB 2015A-2	5/14/2020	30,070,000	11/15/2041	5.000	-	-	-	-	-	30,070,000	-
A3/A-/AA/AA			TRB 2015A-2	5/14/2020	31,575,000	11/15/2042	5.000	-	-	-	-	-	31,575,000	-
A3/A-/AA/AA			TRB 2015A-2	5/14/2020	33,150,000	11/15/2043	5.000	-	-	-	-	-	33,150,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2015A-2 TRB 2015A-2	5/14/2020 5/14/2020	34,810,000 36,550,000	11/15/2044 11/15/2045	5.000 5.000	-	-	-	-	-	34,810,000 36,550,000	-
Aa3/AA-/AA-/AA			TBTA 2020A	5/27/2020	41,990,000	11/15/2045	5.000					-	41,990,000	-
Aa3/AA-/AA-/AA			TBTA 2020A	5/27/2020	44,090,000	11/15/2045	5.000				-	-	44,090,000	-
Aa3/AA-/AA-/AA			TBTA 2020A	5/27/2020	46,295,000	11/15/2047	5.000	-	-	-	-	-	46,295,000	-
Aa3/AA-/AA-/AA			TBTA 2020A	5/27/2020	48,610,000	11/15/2048	5.000	-	-	-	-	-	48,610,000	-
Aa3/AA-/AA-/AA			TBTA 2020A	5/27/2020	51,040,000	11/15/2049	5.000	-	-	-	-	-	51,040,000	-
Aa3/AA-/AA-/AA			TBTA 2020A	5/27/2020	26,000,000	11/15/2050	5.000	-	-	-	-	-	26,000,000	-
Aa3/AA-/AA			TBTA 2020A	5/27/2020	26,000,000	11/15/2051	5.000	-	-	-	-	-	26,000,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA			TBTA 2020A TBTA 2020A	5/27/2020 5/27/2020	26,000,000 26,000,000	11/15/2052 11/15/2053	5.000 5.000	-	-	-	-	-	26,000,000 26,000,000	-
Aa3/AA-/AA-/AA			TBTA 2020A	5/27/2020	26,000,000	11/15/2053	5.000	-	-	-	-	-	26,000,000	-
Aa3/AA-/AA-/AA			TBTA 2020A	5/27/2020	27,590,000	11/15/2050	4.000	_	_	_	-	_	27,590,000	-
Aa3/AA-/AA-/AA			TBTA 2020A	5/27/2020	29,995,000	11/15/2051	4.000				-	-	29,995,000	-
Aa3/AA-/AA-/AA			TBTA 2020A	5/27/2020	32,495,000	11/15/2052	4.000	-	-	-	-	-	32,495,000	-
Aa3/AA-/AA-/AA			TBTA 2020A	5/27/2020	35,095,000	11/15/2053	4.000	-	-	-	-	-	35,095,000	-
Aa3/AA-/AA-/AA			TBTA 2020A	5/27/2020	37,800,000	11/15/2054	4.000	-	-	-	-	-	37,800,000	-
A3/A-/AA/AA			TRB 2020D	9/18/2020	100,000,000	11/15/2043	5.000	-	-	-	-	-	100,000,000	-
A3/A-/AA/AA			TRB 2020D TRB 2020D	9/18/2020	100,000,000	11/15/2044	5.000 5.000	-	-	-	-	-	100,000,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2020D	9/18/2020 9/18/2020	100,000,000 100,000,000	11/15/2045 11/15/2046	4.000	-	-	-	-	-	100,000,000 100,000,000	-
A3/A-/AA/AA			TRB 2020D	9/18/2020	100,000,000	11/15/2047	4.000			-	-	-	100,000,000	-
A3/A-/AA/AA			TRB 2020D	9/18/2020	100,000,000	11/15/2048	4.000	_	_	-	-	_	100,000,000	-
A3/A-/AA/AA			TRB 2020D	9/18/2020	150,000,000	11/15/2049	4.000	-	-	-	-	-	150,000,000	-
A3/A-/AA/AA			TRB 2020D	9/18/2020	150,000,000	11/15/2050	4.000	-	-	-	-	-	150,000,000	-
A3/A-/AA/AA			TRB 2020E	11/13/2020	28,505,000	11/15/2026	4.000	-	-	-	-	-	28,505,000	-
A3/A-/AA/AA			TRB 2020E	11/13/2020	29,640,000	11/15/2027	5.000	-	-	-	-	-	29,640,000	-
A3/A-/AA/AA			TRB 2020E	11/13/2020	31,115,000	11/15/2028	5.000	-	-	-	-	-	31,115,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2020E TRB 2020E	11/13/2020 11/13/2020	32,665,000 34,295,000	11/15/2029 11/15/2030	5.000 5.000	-	-	-	-	-	32,665,000 34,295,000	
A3/A-/AA/AA			TRB 2020E	11/13/2020	32,790,000	11/15/2030	5.000	-			-		32,790,000	-
A3/A-/AA/AA			TRB 2020E	11/13/2020	34,330,000	11/15/2032	5.000	-	-	-	-	-	34,330,000	-
A3/A-/AA/AA			TRB 2020E	11/13/2020	98,745,000	11/15/2044	4.000	-	-	-	-	-	98,745,000	-
A3/A-/AA/AA			TRB 2020E	11/13/2020	97,830,000	11/15/2045	4.000	-	-	-	-	-	97,830,000	-
Aa3/AA-/AA-/AA		VMIG 1/A-1+/F1+/NR	TBTA 2005B-2b	1/21/2021	5,200,000	1/1/2024	4.000	5,200,000	-	-	-	-	-	-
Aa3/AA-/AA		VMIG 1/A-1+/F1+/NR	TBTA 2005B-2b	1/21/2021	500,000	1/1/2025	4.000	-	-	-	-	-	500,000	500,000
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA		VMIG 1/A-1+/F1+/NR VMIG 1/A-1+/F1+/NR	TBTA 2005B-2b TBTA 2005B-2b	1/21/2021 1/21/2021	500,000 500,000	1/1/2026 1/1/2027	4.000 4.000	-	-	-	-	-	500,000 500,000	500,000 500,000
Aa3/AA-/AA-/AA		VMIG 1/A-1+/F1+/NR	TBTA 2005B-2b	1/21/2021	3,200,000	1/1/2027	4.000	-	-	-	-	-	3,200,000	3,200,000
Aa3/AA-/AA-/AA		VMIG 1/A-1+/F1+/NR	TBTA 2005B-2b	1/21/2021	18,700,000	1/1/2029	4.000	-	-	-	-	-	18,700,000	18,700,000
Aa3/AA-/AA-/AA		VMIG 1/A-1+/F1+/NR	TBTA 2005B-2b	1/21/2021	19,400,000	1/1/2030	4.000	-	-	-	-	-	19,400,000	19,400,000
Δα3/ΔΔ-/ΔΔ-/ΔΔ	Δα1/ΔΔΔ/ΔΔΔ/NR	VMIG 1/Δ-1+/F1+/NR	TRTA 2005R-2h	1/21/2021	21 900 000	1/1/2031	4 000						21 900 000	21 900 000

Aa1/AAA/AAA/NR VMIG 1/A-1+/F1+/NR

TBTA 2005B-2b

1/21/2021

21,900,000

1/1/2031

Aa3/AA-/AA-/AA

4.000

21,900,000

21,900,000

Total Bonds and Notes Issued in 2024	8,015,225,000
New Money Bonds and Notes Issued in 2024	4,800,940,000
Refunding Bonds and Notes Issued in 2024	3,214,285,000

						_								
Underlying L T Ratings	Credit Supported L T Ratings	S T Ratings						Amount Matured in	n Amount Defeased	Amount Called in	Amount Redeemed in	Amount Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
Aa3/AA-/AA-/AA		VMIG 1/A-1+/F1+/NR	TBTA 2005B-2b	1/21/2021	22,600,000	1/1/2032	4.000		-				22,600,000	22,600,000
A3/A-/AA/AA			TRB 2021A-1 Green Bonds	2/12/2021	62,670,000	11/15/2044	4.000	-	-	-	-	-	62,670,000	-
A3/A-/AA/AA			TRB 2021A-1 Green Bonds	2/12/2021	65,180,000	11/15/2045	4.000	-	-	-	-	-	65,180,000	-
A3/A-/AA/AA			TRB 2021A-1 Green Bonds TRB 2021A-1 Green Bonds	2/12/2021 2/12/2021	67,785,000	11/15/2046 11/15/2047	4.000 4.000	-	-	-	-	-	67,785,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2021A-1 Green Bonds TRB 2021A-1 Green Bonds	2/12/2021	70,500,000 73,315,000	11/15/2047	4.000	-			-	-	70,500,000 73,315,000	-
A3/A-/AA/AA			TRB 2021A-1 Green Bonds	2/12/2021	76,250,000	11/15/2048	4.000						76,250,000	
A3/A-/AA/AA			TRB 2021A-1 Green Bonds	2/12/2021	79,300,000	11/15/2050	4.000		-	-	-		79,300,000	_
A3/A-/AA/AA			TRB 2021A-2	2/12/2021	65,670,000	11/15/2041	4.000	-	-	-	-	-	65,670,000	-
A3/A-/AA/AA			TRB 2021A-2	2/12/2021	68,300,000	11/15/2042	4.000	-	-	-	-	-	68,300,000	-
A3/A-/AA/AA			TRB 2021A-2	2/12/2021	71,030,000	11/15/2043	4.000	-	-	-	-	-	71,030,000	-
Aa3/AA-/AA-/AA			TBTA 2021A	3/31/2021	28,155,000	11/15/2046	5.000	-	-	-	-	-	28,155,000	-
Aa3/AA-/AA-/AA			TBTA 2021A	3/31/2021	29,565,000	11/15/2047	5.000	-	-	-	-	-	29,565,000	-
Aa3/AA-/AA-/AA			TBTA 2021A	3/31/2021	31,040,000	11/15/2048	5.000	-	-	-	-	-	31,040,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2021A TBTA 2021A	3/31/2021 3/31/2021	32,595,000 34,225,000	11/15/2049 11/15/2050	5.000 5.000	-	-	-	-	-	32,595,000 34,225,000	-
Aa3/AA-/AA-/AA			TBTA 2021A	3/31/2021	35,935,000	11/15/2050	5.000	-					35,935,000	-
Aa3/AA-/AA-/AA			TBTA 2021A	3/31/2021	18,100,000	11/15/2052	4.000	-	-	-	_	-	18,100,000	-
Aa3/AA-/AA-/AA			TBTA 2021A	3/31/2021	19,000,000	11/15/2053	4.000						19,000,000	-
Aa3/AA-/AA-/AA			TBTA 2021A	3/31/2021	19,955,000	11/15/2054	4.000	-	-	-	-	-	19,955,000	-
Aa3/AA-/AA-/AA			TBTA 2021A	3/31/2021	20,950,000	11/15/2055	4.000	-	-	-	-	-	20,950,000	-
Aa3/AA-/AA-/AA			TBTA 2021A	3/31/2021	21,995,000	11/15/2056	4.000	-	-	-	-	-	21,995,000	-
Aa3/AA-/AA-/AA			TBTA 2021A	3/31/2021	19,630,000	11/15/2052	5.000	-	-	-	-	-	19,630,000	-
Aa3/AA-/AA-/AA			TBTA 2021A	3/31/2021	20,615,000	11/15/2053	5.000	-	-	-	-	-	20,615,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA			TBTA 2021A TBTA 2021A	3/31/2021 3/31/2021	21,645,000 22,730,000	11/15/2054 11/15/2055	5.000 5.000	-	-	-	-	-	21,645,000 22,730,000	-
Aa3/AA-/AA-/AA			TBTA 2021A	3/31/2021	23,865,000	11/15/2056	5.000						23,865,000	
NAF/AA+/AA+/AA+			PMT 2021A-1	5/5/2021	44,300,000	5/15/2045	4.000	_		_	_	_	44,300,000	-
NAF/AA+/AA+/AA+			PMT 2021A-1	5/5/2021	86,710,000	5/15/2046	4.000	-	-	-	-	-	86,710,000	-
NAF/AA+/AA+/AA+			PMT 2021A-1	5/5/2021	90,710,000	5/15/2047	5.000	-	-	-	-	-	90,710,000	-
NAF/AA+/AA+/AA+			PMT 2021A-1	5/5/2021	95,365,000	5/15/2048	5.000	-	-	-	-	-	95,365,000	-
NAF/AA+/AA+/AA+			PMT 2021A-1	5/5/2021	100,255,000	5/15/2049	5.000	-	-	-	-	-	100,255,000	-
NAF/AA+/AA+/AA+			PMT 2021A-1	5/5/2021	105,395,000	5/15/2050	5.000	-	-	-	-	-	105,395,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021A-1	5/5/2021	110,800,000	5/15/2051	5.000 2.000	-	-	-	-	-	110,800,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021A-2 Rfndg Bonds (24 Put) PMT 2021A-2 Rfndg Bonds (24 Put)	5/5/2021 5/5/2021	25,535,000 26,055,000	5/15/2041 5/15/2042	2.000	-	25,535,000 26,055,000	-	-	-		-
NAF/AA+/AA+/AA+			PMT 2021A-2 Rfndg Bonds (24 Put)	5/5/2021	26,580,000	5/15/2042	2.000	-	26,580,000					-
NAF/AA+/AA+/AA+			PMT 2021A-2 Rfndg Bonds (24 Put)	5/5/2021	27,120,000	5/15/2044	2.000	-	27,120,000	-	_	-		-
NAF/AA+/AA+/AA+			PMT 2021A-2 Rfndg Bonds (24 Put)	5/5/2021	13,450,000	5/15/2045	2.000		13,450,000					-
NAF/AA+/AA+/AA+			PMT 2021A-2 Rfndg Bonds (26 Put)	5/5/2021	25,655,000	5/15/2041	2.000	-	· · · · ·	-	-	-	25,655,000	-
NAF/AA+/AA+/AA+			PMT 2021A-2 Rfndg Bonds (26 Put)	5/5/2021	26,175,000	5/15/2042	2.000	-	-	-	-	-	26,175,000	-
NAF/AA+/AA+/AA+			PMT 2021A-2 Rfndg Bonds (26 Put)	5/5/2021	26,700,000	5/15/2043	2.000	-	-	-	-	-	26,700,000	-
NAF/AA+/AA+/AA+			PMT 2021A-2 Rfndg Bonds (26 Put)	5/5/2021	27,240,000	5/15/2044	2.000	-	-	-	-	-	27,240,000	-
NAF/AA+/AA+			PMT 2021A-2 Rfndg Bonds (26 Put)	5/5/2021	12,975,000	5/15/2045	2.000	-	-	-	-	-	12,975,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021A-2 Rfndg Bonds (28 Put) PMT 2021A-2 Rfndg Bonds (28 Put)	5/5/2021 5/5/2021	25,655,000 26,170,000	5/15/2041 5/15/2042	2.000	-	•	-	-	-	25,655,000 26,170,000	-
NAF/AA+/AA+/AA+			PMT 2021A-2 Rindg Bonds (28 Put)	5/5/2021	26,705,000	5/15/2042	2.000		-	-	-		26,705,000	-
NAF/AA+/AA+/AA+			PMT 2021A-2 Rfndg Bonds (28 Put)	5/5/2021	27,240,000	5/15/2044	2.000	_		_	_	_	27,240,000	-
NAF/AA+/AA+/AA+			PMT 2021A-2 Rfndg Bonds (28 Put)	5/5/2021	12,970,000	5/15/2045	2.000						12,970,000	-
NAF/AA+/AA+/AA+			PMT 2021A-3 Taxable Refunding Bonds	5/5/2021	31,955,000	5/15/2033	2.261	-	-	-	-	-	31,955,000	-
NAF/AA+/AA+/AA+			PMT 2021A-3 Taxable Refunding Bonds	5/5/2021	32,725,000	5/15/2034	2.411	-	-	-	-	-	32,725,000	-
NAF/AA+/AA+/AA+			PMT 2021A-3 Taxable Refunding Bonds	5/5/2021	33,545,000	5/15/2035	2.511	-	-	-	-	-	33,545,000	-
NAF/AA+/AA+			PMT 2021A-3 Taxable Refunding Bonds	5/5/2021	34,420,000	5/15/2036	2.591	-	-	-	-	-	34,420,000	-
NAF/AA+/AA+			PMT 2021A-3 Taxable Refunding Bonds	5/5/2021	35,360,000	5/15/2037	2.691	-	-	-	-	-	35,360,000	-
NAF/AA+/AA+/AA+ A1/NAF/A+/NAF			PMT 2021A-3 Taxable Refunding Bonds TBTA 2nd SUB 2021A BANS	5/5/2021 6/10/2021	80,445,000 192,835,000	5/15/2040 11/1/2025	2.917 5.000	-	-	-	-	-	80,445,000 192,835,000	-
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	14,735,000	5/15/2036	5.000						14,735,000	
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	8,900,000	5/15/2037	5.000				-	_	8,900,000	-
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	7,680,000	5/15/2038	5.000	-	-	-	-	-	7,680,000	-
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	1,700,000	5/15/2041	5.000	-	-	-	-	-	1,700,000	-
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	4,250,000	5/15/2042	5.000	-	-	-	-	-	4,250,000	-
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	10,400,000	5/15/2043	5.000	-	-	-	-	-	10,400,000	-
NAF/AA+/AA+			PMT 2021B-1	8/31/2021	10,900,000	5/15/2044	5.000	-	-	-	-	-	10,900,000	-
NAF/AA+/AA+/AA+			PMT 2021B-1 PMT 2021B-1	8/31/2021	11,500,000	5/15/2045	5.000	-	-	-	-	-	11,500,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021B-1 PMT 2021B-1	8/31/2021 8/31/2021	11,890,000 11,040,000	5/15/2046 5/15/2052	5.000 4.000	-	-	-	-	-	11,890,000 11,040,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021B-1 PMT 2021B-1	8/31/2021 8/31/2021	11,545,000	5/15/2052	4.000	-	-	-	-	-	11,040,000	
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	12,075,000	5/15/2054	4.000	-	-	-		_	12,075,000	
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	12,630,000	5/15/2055	4.000	-	-	-	-	-	12,630,000	
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	13,210,000	5/15/2056	4.000	-	-	-	-	-	13,210,000	-
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	17,875,000	5/15/2051	5.000	-	-	-	-	-	17,875,000	-

Total

1,702,930,000

5,273,530,000

80,890,000

566,165,000

45,980,577,500

1,870,555,000

			New Money Bonds and No	tes Issued in 2024	4,800,940,000									
			Refunding Bonds and No	tes Issued in 2024	3,214,285,000		Total	1,702,930,000	5,273,530,000	-	80,890,000	566,165,000	45,980,577,500	1,870,555,000
	Credit Supported L T										Amount	Amount		
Underlying L T Ratings	Ratings	S T Ratings						Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	14,875,000	5/15/2052	5.000	-	-	-	-	-	14,875,000	-
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	15,530,000	5/15/2053	5.000	-	-	-	-	-	15,530,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021B-1 PMT 2021B-1	8/31/2021 8/31/2021	16,220,000 16,935,000	5/15/2054 5/15/2055	5.000 5.000	-	-	-	-	-	16,220,000 16,935,000	
NAF/AA+/AA+/AA+			PMT 2021B-1	8/31/2021	17,690,000	5/15/2056	5.000					-	17,690,000	
NAF/AA+/AA+/AA+			PMT 2021B-2	8/31/2021	11,315,000	5/15/2039	5.000	-	-	-	-	-	11,315,000	-
NAF/AA+/AA+/AA+			PMT 2021B-2	8/31/2021	11,845,000	5/15/2040	5.000	-	-	-	-	-	11,845,000	-
NAF/AA+/AA+/AA+			PMT 2021B-2	8/31/2021	10,640,000	5/15/2041	5.000	-	-	-	-	-	10,640,000	-
NAF/AA+/AA+/AA+			PMT 2021B-2	8/31/2021	8,920,000	5/15/2042	5.000	-	-	-	-	-	8,920,000	-
NAF/AA+/AA+/AA+			PMT 2021B-2	8/31/2021	3,375,000	5/15/2043	5.000	-	-	-	-	-	3,375,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021B-2 PMT 2021B-2	8/31/2021 8/31/2021	3,530,000 3,625,000	5/15/2044 5/15/2045	5.000 5.000		-			-	3,530,000 3,625,000	
NAF/AA+/AA+/AA+			PMT 2021B-2	8/31/2021	3,960,000	5/15/2046	5.000			-	-		3,960,000	_
NAF/AA+/AA+/AA+			PMT 2021B-2	8/31/2021	16,545,000	5/15/2047	5.000	-	-	-	-	-	16,545,000	-
NAF/AA+/AA+/AA+			PMT 2021B-2	8/31/2021	17,325,000	5/15/2048	5.000	-	-	-	-	-	17,325,000	-
NAF/AA+/AA+/AA+			PMT 2021B-2	8/31/2021	17,910,000	5/15/2049	5.000	-	-	-	-	-	17,910,000	-
NAF/AA+/AA+/AA+			PMT 2021B-2	8/31/2021	18,625,000	5/15/2050	5.000	-	-	-	-	-	18,625,000	
A3/A-/AA/AA	Aa2/AA/AAA/NR	VMIG 1/A-1/F1/NF		8/18/2021	8,890,000	11/1/2026	4.000	-	-	-	-	-	4,590,000	3,099,724
A3/A-/AA/AA A3/A-/AA/AA	Aa2/AA/AAA/NR Aa2/AA/AAA/NR	VMIG 1/A-1/F1/NF VMIG 1/A-1/F1/NF		8/18/2021 8/18/2021	9,240,000 9,610,000	11/1/2027 11/1/2028	4.000 4.000	-	-		-	-	9,240,000 9,610,000	6,239,967 6,489,835
A3/A-/AA/AA				8/18/2021	10,010,000	11/1/2029	4.000			-	-		10,010,000	6,759,964
A3/A-/AA/AA				8/18/2021	10,380,000	11/1/2030	4.000					-	10,380,000	7,009,833
A3/A-/AA/AA				8/18/2021	10,830,000	11/1/2031	4.000	-	-	-	-	-	10,830,000	7,313,727
A3/A-/AA/AA		VMIG 1/A-1/F1/NF		8/18/2021	11,250,000	11/1/2032	4.000	-	-	-	-	-	11,250,000	7,597,362
A3/A-/AA/AA		VMIG 1/A-1/F1/NF		8/18/2021	11,705,000	11/1/2033	4.000	-	-	-	-	-	11,705,000	7,904,633
A3/A-/AA/AA A3/A-/AA/AA				8/18/2021 8/18/2021	12,145,000 12,635,000	11/1/2034 11/1/2035	4.000 4.000	-	-	-	-	-	12,145,000 12,635,000	8,201,774
A3/A-/AA/AA A3/A-/AA/AA				8/18/2021 8/18/2021	5,230,000	11/1/2035	4.000	-	-		-	-	5,230,000	8,532,682
A3/A-/AA/AA				8/18/2021	5,440,000	11/15/2020	4.000			-			5,440,000	_
A3/A-/AA/AA	Aa2/AA/AAA/NR			8/18/2021	5,655,000	11/15/2031	4.000					-	5,655,000	-
A3/A-/AA/AA	Aa2/AA/AAA/NR	VMIG 1/A-1/F1/NF		8/18/2021	5,885,000	11/15/2032	4.000	-	-	-	-	-	5,885,000	-
A3/A-/AA/AA				8/18/2021	6,115,000	11/15/2033	4.000	-	-	-	-	-	6,115,000	-
A3/A-/AA/AA				8/18/2021	6,360,000	11/15/2034	4.000	-	-	-	-	-	6,360,000	-
A3/A-/AA/AA				8/18/2021	6,620,000	11/15/2035	4.000	-	-	-	-	-	6,620,000	-
A3/A-/AA/AA A3/A-/AA/AA				8/18/2021 8/18/2021	6,885,000 7,155,000	11/15/2036 11/15/2037	4.000 4.000	-	-	-	-	-	6,885,000 7,155,000	-
A3/A-/AA/AA				8/18/2021	7,445,000	11/15/2037	4.000			-	-	-	7,133,000	-
A3/A-/AA/AA				8/18/2021	7,735,000	11/15/2039	4.000					-	7,735,000	-
A3/A-/AA/AA				8/18/2021	8,050,000	11/15/2040	4.000	-	-	-	-	-	8,050,000	-
A3/A-/AA/AA				8/18/2021	8,370,000	11/15/2041	4.000	-	-	-	-	-	8,370,000	-
A3/A-/AA/AA				8/18/2021	8,705,000	11/15/2042	4.000	-	-	-	-	-	8,705,000	-
A3/A-/AA/AA				8/18/2021	9,055,000	11/15/2043	4.000	-	-	-	-	-	9,055,000	-
A3/A-/AA/AA A3/A-/AA/AA				8/18/2021 8/18/2021	9,420,000 9,795,000	11/15/2044 11/15/2045	4.000 4.000	-	-	-	-	-	9,420,000 9,795,000	-
A3/A-/AA/AA		VMIG 1/A-1/F1/NF		8/18/2021	4,405,000	11/15/2045	4.000			-	-	-	4,405,000	-
A3/A-/AA/AA				8/18/2021	4,580,000	11/15/2047	4.000					-	4,580,000	-
A3/A-/AA/AA		VMIG 1/A-1/F1/NF	R TRB 2015E-1	8/18/2021	4,765,000	11/15/2048	4.000	-	-	-	-	-	4,765,000	-
A3/A-/AA/AA	Aa2/AA/AAA/NR	VMIG 1/A-1/F1/NF		8/18/2021	4,955,000	11/15/2049	4.000	-	-	-	-	-	4,955,000	-
A3/A-/AA/AA	Aa2/AA/AAA/NR	VMIG 1/A-1/F1/NF		8/18/2021	5,150,000	11/15/2050	4.000	-	-	-	-	-	5,150,000	-
NAF/AA+/AA+/AA+			PMT 2021C-1a	9/30/2021	5,000,000	5/15/2025	5.000	-	-	-	-	-	5,000,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021C-1a PMT 2021C-1a	9/30/2021 9/30/2021	17,500,000 18,400,000	5/15/2037 5/15/2038	5.000 5.000	-	-	-	-	-	17,500,000 18,400,000	-
NAF/AA+/AA+/AA+			PMT 2021C-1a	9/30/2021	19,345,000	5/15/2039	5.000			-	-	-	19,345,000	-
NAF/AA+/AA+/AA+			PMT 2021C-1a	9/30/2021	20,335,000	5/15/2040	5.000					-	20,335,000	-
NAF/AA+/AA+/AA+			PMT 2021C-1a	9/30/2021	21,375,000	5/15/2041	5.000	-	-	-	-	-	21,375,000	-
NAF/AA+/AA+/AA+			PMT 2021C-1a	9/30/2021	22,360,000	5/15/2042	4.000	-	-	-	-	-	22,360,000	-
NAF/AA+/AA+/AA+			PMT 2021C-1a	9/30/2021	23,270,000	5/15/2043	4.000	-	-	-	-	-	23,270,000	-
NAF/AA+/AA+/AA+			PMT 2021C-1a PMT 2021C-1a	9/30/2021	24,220,000 25,210,000	5/15/2044	4.000 4.000	-	-	-	-	-	24,220,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021C-1a PMT 2021C-1a	9/30/2021 9/30/2021	25,210,000	5/15/2045 5/15/2046	4.000	-	-	-	-	-	25,210,000 26,240,000	-
NAF/AA+/AA+/AA+			PMT 2021C-1a PMT 2021C-1a	9/30/2021	13,880,000	5/15/2046	5.000	-	-	-	-	-	13,880,000	
NAF/AA+/AA+/AA+			PMT 2021C-1a	9/30/2021	14,605,000	5/15/2048	5.000	-	-	-	-	-	14,605,000	
NAF/AA+/AA+/AA+			PMT 2021C-1a	9/30/2021	15,370,000	5/15/2049	5.000	-	-	-	-	-	15,370,000	-
NAF/AA+/AA+/AA+			PMT 2021C-1a	9/30/2021	16,180,000	5/15/2050	5.000	-	-	-	-	-	16,180,000	-
NAF/AA+/AA+/AA+			PMT 2021C-1a	9/30/2021	17,030,000	5/15/2051	5.000	-	-	-	-	-	17,030,000	-
NAF/AA+/AA+/AA+			PMT 2021C-1b	9/30/2021	13,570,000	5/15/2047	5.000	-	-	-	-	-	13,570,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021C-1b PMT 2021C-1b	9/30/2021 9/30/2021	14,250,000 14,965,000	5/15/2048 5/15/2049	5.000 5.000	-	-	-	-	-	14,250,000 14,965,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+			PMT 2021C-1b PMT 2021C-1b	9/30/2021	14,965,000	5/15/2049 5/15/2050	5.000	-	-	-	-	-	14,965,000	
NAF/AA+/AA+/AA+			PMT 2021C-1b	9/30/2021	16,500,000	5/15/2051	5.000	-	-	-	-	-	16,500,000	
NAF/AA+/AA+/AA+			PMT 2021C-2 Refunding Bonds	9/30/2021	1,285,000	5/15/2024	5.000	1,285,000	-	-	-	-	-	-

Total Bonds and Notes Issued in 2024

8,015,225,000

Disclosure for Fise	cal Year Ended 12	/31/2024												
			Total Bonds and Not		8,015,225,000 4.800.940.000									
			New Money Bonds and Not Refunding Bonds and Not		3,214,285,000	Г	Total	1,702,930,000	5,273,530,000	-	80,890,000	566,165,000	45,980,577,500	1,870,555,000
	0		-			_								
Underlying L T Ratings	Credit Supported L T Ratings	S T Ratings						Amount Matured in	Amount Defeased	Amount Called in	Amount Redeemed in	Amount Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
NAF/AA+/AA+/AA+			PMT 2021C-2 Refunding Bonds	9/30/2021	10,965,000	5/15/2025	5.000	-	-	-	-	-	10,965,000	-
NAF/AA+/AA+/AA+			PMT 2021C-2 Refunding Bonds	9/30/2021	11,530,000	5/15/2026	5.000	-	-	-	-	-	11,530,000	-
NAF/AA+/AA+/AA+			PMT 2021C-2 Refunding Bonds	9/30/2021	12,120,000	5/15/2027	5.000	-	-	-	-	-	12,120,000	-
NAF/AA+/AA+/AA+			PMT 2021C-2 Refunding Bonds	9/30/2021	12,700,000	5/15/2028	5.000	-	-	-	-	-	12,700,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021C-2 Refunding Bonds PMT 2021C-2 Refunding Bonds	9/30/2021 9/30/2021	5,555,000 15,090,000	5/15/2031 5/15/2034	5.000 4.000	-	-		-	-	5,555,000 15,090,000	-
NAF/AA+/AA+/AA+			PMT 2021C-2 Refunding Bonds	9/30/2021	18,970,000	5/15/2035	4.000	-	-	-			18,970,000	-
NAF/AA+/AA+/AA+			PMT 2021C-2 Refunding Bonds	9/30/2021	4,050,000	5/15/2036	4.000	-	_	_	-	_	4,050,000	-
NAF/AA+/AA+/AA+			PMT 2021C-2 Refunding Bonds	9/30/2021	33,905,000	5/15/2032	3.000	-	-	-	-	-	33,905,000	-
NAF/AA+/AA+/AA+			PMT 2021C-2 Refunding Bonds	9/30/2021	20,625,000	5/15/2033	3.000	-	-	-	-	-	20,625,000	-
NAF/AA+/AA+/AA+			PMT 2021C-2 Refunding Bonds	9/30/2021	14,705,000	5/15/2033	-	-	-	-	-	-	14,705,000	-
NAF/AA+/AA+/AA+			PMT 2021C-3	9/30/2021	14,260,000	5/15/2047	2.500	-	-	-	-	-	14,260,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021C-3 PMT 2021C-3	9/30/2021 9/30/2021	14,620,000 14,990,000	5/15/2048 5/15/2049	2.500 2.500	-	-	-	-	-	14,620,000 14,990,000	-
NAF/AA+/AA+/AA+			PMT 2021C-3 PMT 2021C-3	9/30/2021	15,370,000	5/15/2049	2.500					-	15,370,000	-
NAF/AA+/AA+/AA+			PMT 2021C-3	9/30/2021	15,760,000	5/15/2051	2.500	-	-	-			15,760,000	-
NAF/AA+/AA+/AA+			PMT 2021C-3	9/30/2021	27,225,000	5/15/2047	3.000	-	-	-	-	-	27,225,000	-
NAF/AA+/AA+/AA+			PMT 2021C-3	9/30/2021	28,055,000	5/15/2048	3.000	-	-	-	-	-	28,055,000	-
NAF/AA+/AA+/AA+			PMT 2021C-3	9/30/2021	28,910,000	5/15/2049	3.000	-	-	-	-	-	28,910,000	-
NAF/AA+/AA+/AA+			PMT 2021C-3	9/30/2021	29,790,000	5/15/2050	3.000	-	-	-	-	-	29,790,000	-
NAF/AA+/AA+/AA+			PMT 2021C-3	9/30/2021	30,695,000	5/15/2051	3.000	-	-	-	-	-	30,695,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2021C-3	9/30/2021	11,980,000	5/15/2047	4.000 4.000	-	-	-	-	-	11,980,000	-
NAF/AA+/AA+/AA+			PMT 2021C-3 PMT 2021C-3	9/30/2021 9/30/2021	12,470,000 12,980,000	5/15/2048 5/15/2049	4.000	-	-	-	-	-	12,470,000 12,980,000	-
NAF/AA+/AA+/AA+			PMT 2021C-3	9/30/2021	13,510,000	5/15/2050	4.000					-	13,510,000	-
NAF/AA+/AA+/AA+			PMT 2021C-3	9/30/2021	14,060,000	5/15/2051	4.000					-	14,060,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	22,990,000	5/15/2040	4.000	-	-	-	-	-	22,990,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	23,930,000	5/15/2041	4.000	-	-	-	-	-	23,930,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	24,905,000	5/15/2042	4.000	-	-	-	-	-	24,905,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	26,055,000	5/15/2043	5.000	-	-	-	-	-	26,055,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2022A PMT 2022A	2/10/2022 2/10/2022	27,390,000 28,795,000	5/15/2044 5/15/2045	5.000 5.000	-	-	-	-	-	27,390,000 28,795,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	30,270,000	5/15/2045	5.000					-	30,270,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	31,825,000	5/15/2047	5.000	-	-	-	-	-	31,825,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	33,285,000	5/15/2048	4.000	-	-	-	-	-	33,285,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	34,645,000	5/15/2049	4.000	-	-	-	-	-	34,645,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	36,060,000	5/15/2050	4.000	-	-	-	-	-	36,060,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	37,530,000	5/15/2051	4.000	-	-	-	-	-	37,530,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2022A PMT 2022A	2/10/2022 2/10/2022	135,000,000 18,100,000	5/15/2052 5/15/2053	5.000 5.000	-	-	-	-	-	135,000,000 18,100,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	19,000,000	5/15/2054	5.000					-	19,000,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	19,950,000	5/15/2055	5.000	_	_	_		_	19,950,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	20,950,000	5/15/2056	5.000	-	-	-	-	-	20,950,000	-
NAF/AA+/AA+/AA+			PMT 2022A	2/10/2022	22,000,000	5/15/2057	5.000	-	-	-	-	-	22,000,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	11,015,000	11/15/2032	5.000	-	-	-	-	-	11,015,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	11,565,000	11/15/2033	5.000	-	-	-	-	-	11,565,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	12,140,000	11/15/2034	5.000	-	-	-	-	-	12,140,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2022A DTF 2022A	3/1/2022 3/1/2022	12,750,000 13,385,000	11/15/2035 11/15/2036	5.000 5.000	-	-	-	-	-	12,750,000 13,385,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	14,055,000	11/15/2037	5.000					-	14,055,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	14,760,000	11/15/2038	4.000					-	14,760,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	15,350,000	11/15/2039	4.000	-	-	-	-	-	15,350,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	15,965,000	11/15/2040	4.000	-	-	-	-	-	15,965,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	16,600,000	11/15/2041	4.000	-	-	-	-	-	16,600,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2022A	3/1/2022	17,265,000	11/15/2042	4.000 4.000	-	-	-	-	-	17,265,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2022A DTF 2022A	3/1/2022 3/1/2022	17,955,000 18,675,000	11/15/2043 11/15/2044	4.000 5.000	-	-	-	-	-	17,955,000 18,675,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	19,610,000	11/15/2044	5.000					-	19,610,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	20,590,000	11/15/2045	5.000	-	-		-	-	20,590,000	
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	21,620,000	11/15/2047	5.000	-	-	-	-	-	21,620,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	22,700,000	11/15/2048	5.000	-	-	-	-	-	22,700,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	23,835,000	11/15/2049	5.000	-	-	-	-	-	23,835,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	25,025,000	11/15/2050	4.000	-	-	-	-	-	25,025,000	-
NAF/AA/AA/NAF			DTF 2022A	3/1/2022	26,025,000	11/15/2051	4.000	-	-	-	-	-	26,025,000	-
NAF/AA/AA/NAF NAF/AA+/AA+/AA+			DTF 2022A PMT 2022C	3/1/2022 5/12/2022	27,070,000 63,330,000	11/15/2052 5/15/2040	4.000 5.000	-	-	-	-	-	27,070,000 63.330.000	•
NAF/AA+/AA+/AA+			PMT 2022C PMT 2022C	5/12/2022	57,020,000	5/15/2040	5.250	-	-	-	-	-	57,020,000	-
NAF/AA+/AA+/AA+			PMT 2022C	5/12/2022	62,620,000	5/15/2042	5.000	_	-	-	-	-	62,620,000	-
NAF/AA+/AA+/AA+			PMT 2022C	5/12/2022	15,570,000	5/15/2043	4.000	-	-	-	-	-	15,570,000	-
NAF/AA+/AA+/AA+			PMT 2022C	5/12/2022	37,650,000	5/15/2043	5.000	-	-	-	-	-	37,650,000	-
$N\Delta F/\Delta \Delta +/\Delta \Delta +/\Delta \Delta +$			PMT 2022C	5/12/2022	40 955 000	5/15/2044	5,000		-		_	_	40 955 000	

NAF/AA+/AA+/AA+

5.000

40,955,000

PMT 2022C

5/12/2022

40,955,000

5/15/2044

			New Mo	otal Bonds and No ney Bonds and No	tes Issued in 2024	8,015,225,000 4,800,940,000	_								
		L	Refund	ding Bonds and No	tes Issued in 2024	3,214,285,000	. [Total	1,702,930,000	5,273,530,000	-	80,890,000	566,165,000	0 45,980,577,500	1,870,555,000
	Credit Supported L T											Amount	Amount		
Underlying LT Ratings		S T Ratings							Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll		Mdy/S&P/Ftch/Krll	<u>Series</u>		Date Issued	Amount Issued	Maturity	Coupon	<u>2024</u>	<u>in 2024</u>	2024	2024	2024	of December 31, 2024	December 31, 2024
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	58,510,000	5/15/2045	5.000	-	-	-	-	-	58,510,000	-
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	61,510,000	5/15/2046	5.000	-	-	-	-	-	61,510,000	-
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	64,665,000	5/15/2047	5.000	-	-	-	-	-	64,665,000	-
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	22,060,000	5/15/2048	4.125	-	-	-	-	-	22,060,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+				PMT 2022C PMT 2022C	5/12/2022 5/12/2022	22,990,000 23,960,000	5/15/2049	4.125 4.125	-	-	-	-	-	22,990,000 23,960,000	-
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	24,965,000	5/15/2050	4.125	-	-	-	-	-		-
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	26,020,000	5/15/2051 5/15/2052	4.125	-	-	-	-	-	24,965,000 26.020.000	-
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	53,870,000	5/15/2048	5.250				-		53,870,000	
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	56,775,000	5/15/2049	5.250			-	_		56,775,000	
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	59,835,000	5/15/2050	5.250			-	_	-	59,835,000	-
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	63,060,000	5/15/2051	5.250	-	-	-	-	-	63,060,000	-
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	66,460,000	5/15/2052	5.250	-	-	-	-	-	66,460,000	-
NAF/AA+/AA+/AA+	+			PMT 2022C	5/12/2022	8,280,000	5/15/2053	5.250	-	-	-	-	-	8,280,000	-
NAF/AA+/AA+/AA+	+			PMT 2022C	5/12/2022	8,730,000	5/15/2054	5.250	-	-	-	-	-	8,730,000	-
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	9,200,000	5/15/2055	5.250	-	-	-	-	-	9,200,000	-
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	9,695,000	5/15/2056	5.250	-	-	-	-	-	9,695,000	-
NAF/AA+/AA+/AA+				PMT 2022C	5/12/2022	10,220,000	5/15/2057	5.250	-	-	-	-	-	10,220,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	5,135,000	5/15/2024	5.000	5,135,000	-	-	-	-	-	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	5,400,000	5/15/2025	5.000	-	-	-	-	-	5,400,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	27,425,000	5/15/2026	4.000	-	-	-	-	-	27,425,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	132,575,000	5/15/2026	5.000 4.000	-	-	-	-	-	132,575,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+				PMT 2022B PMT 2022B	8/18/2022 8/18/2022	28,925,000 91,665,000	5/15/2027 5/15/2027	5.000	-	-	-	-	-	28,925,000 91,665,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	160,000,000	5/15/2027	5.000	-	-	-	-	-	160,000,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	160,000,000	5/15/2029	5.000					-	160,000,000	
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	160,000,000	5/15/2030	5.000						160,000,000	
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	105,845,000	5/15/2031	5.000			-	_	-	105,845,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	45,195,000	5/15/2032	5.000			-	_	-	45,195,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	5,700,000	5/15/2033	5.000		-	-	-	-	5,700,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	8,090,000	5/15/2034	5.000	-	-	-	-	-	8,090,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	8,510,000	5/15/2035	5.000	-	-	-	-	-	8,510,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	8,945,000	5/15/2036	5.000	-	-	-	-	-	8,945,000	-
NAF/AA+/AA+/AA+	+			PMT 2022B	8/18/2022	9,740,000	5/15/2038	5.000	-	-	-	-	-	9,740,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	10,240,000	5/15/2039	5.000	-	-	-	-	-	10,240,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	8,085,000	5/15/2040	5.000	-	-	-	-	-	8,085,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	8,495,000	5/15/2041	5.000	-	-	-	-	-	8,495,000	-
NAF/AA+/AA+/AA+				PMT 2022B	8/18/2022	5,150,000	5/15/2042	5.000	-	-	-	-	-	5,150,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	2,015,000	5/15/2025	5.000	-	-	-	-	-	2,015,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	2,455,000	5/15/2026	5.000 5.000	-	-	-	-	-	2,455,000	-
NAF/AA+/AAA/NAF NAF/AA+/AAA/NAF				STX 2022A STX 2022A	7/20/2022 7/20/2022	2,925,000 3,420,000	5/15/2027 5/15/2028	5.000	-	-	-	-	-	2,925,000 3,420,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	3,945,000	5/15/2028	5.000	-	-	-	-	-	3,945,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	4,495,000	5/15/2030	5.000		•	•	-	-	4,495,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	5,080,000	5/15/2031	5.000				-		5,080,000	
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	5,695,000	5/15/2032	5.000			-	_		5,695,000	_
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	6,350,000	5/15/2033	5.000			-	_		6,350,000	
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	7,035,000	5/15/2034	5.000			-	_	-	7,035,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	7,760,000	5/15/2035	5.000		-	-	-	-	7,760,000	-
NAF/AA+/AAA/NAF	F			STX 2022A	7/20/2022	8,525,000	5/15/2036	5.000	-	-	-	-	-	8,525,000	-
NAF/AA+/AAA/NAF	F			STX 2022A	7/20/2022	9,335,000	5/15/2037	5.000	-	-	-	-	-	9,335,000	-
NAF/AA+/AAA/NAF	F			STX 2022A	7/20/2022	10,185,000	5/15/2038	5.000	-	-	-	-	-	10,185,000	-
NAF/AA+/AAA/NAF	F			STX 2022A	7/20/2022	11,085,000	5/15/2039	5.000	-	-	-	-	-	11,085,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	12,030,000	5/15/2040	5.000	-	-	-	-	-	12,030,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	13,030,000	5/15/2041	5.000	-	-	-	-	-	13,030,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	14,085,000	5/15/2042	5.000	-	-	-	-	-	14,085,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	4,100,000	5/15/2043	5.000	-	-	-	-	-	4,100,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	16,360,000	5/15/2044	5.000	-	-	-	-	-	16,360,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	1,730,000	5/15/2045	3.750	-	-	-	-	-	1,730,000	-
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	8,000,000	5/15/2045	5.000	-	-	-	-	-	8,000,000	•
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	7,720,000	5/15/2046	4.000	-	-	-	-	-	7,720,000	•
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	7,000,000	5/15/2046	5.000	-	-	-	-	-	7,000,000	•
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	850,000	5/15/2047	4.000	-	-	-	-	-	850,000	-
NAF/AA+/AAA/NAF NAF/AA+/AAA/NAF				STX 2022A STX 2022A	7/20/2022 7/20/2022	18,985,000 7,095,000	5/15/2047 5/15/2048	5.000 4.000	-	-	-	-	-	18,985,000	-
NAF/AA+/AAA/NAF				STX 2022A STX 2022A	7/20/2022	7,095,000	5/15/2048 5/15/2049	4.000	-	-	-	-	-	7,095,000 7,590,000	•
NAF/AA+/AAA/NAF				STX 2022A STX 2022A	7/20/2022	7,590,000 8,095,000	5/15/2049	4.000	-	-	-	-	-	7,590,000 8,095,000	
NAF/AA+/AAA/NAF				STX 2022A	7/20/2022	8,630,000	5/15/2051	4.000	-	-	-	-	-	8,630,000	
ΝΑΓ/ΑΑΤ/ΑΑΑ/ΝΑΓ				STX 2022A	7/20/2022	9 190 000	5/15/2051	4.000	,	,	•		-	9 190 000	-

NAF/AA+/AAA/NAF NAF/AA+/AAA/NAF

NAF/AA+/AAA/NAF

4.000 5.250

5.250

STX 2022A

STX 2022A

STX 2022A

7/20/2022

7/20/2022

7/20/2022

9,190,000

21,315,000

22,755,000

5/15/2052

5/15/2048

5/15/2049

9,190,000 21,315,000 22,755,000

Disclosure for Fise	cal Year Ended 12/	31/2024												
			Total Bonds and No New Money Bonds and No		8,015,225,000 4,800,940,000									
			Refunding Bonds and No		3,214,285,000	Г	Total	1,702,930,000	5,273,530,000	-	80,890,000	566,165,000	45,980,577,500	1,870,555,000
					, , , , , , , , ,			, , , , , , , , , , , , , , , , , , , ,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	Credit Supported L T										Amount	Amount		
Underlying L T Ratings Mdy/S&P/Ftch/Krll	Ratings Mdy/S&P/Ftch/Krll	S T Ratings Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	Amount Matured in 2024	in 2024	Amount Called in 2024	Redeemed in 2024	Refinanced in 2024	Amount Outstanding as of December 31, 2024	Amount Swapped as of December 31, 2024
NAF/AA+/AAA/NAF	Widy/ John / I tell/ Kill	ividy/John / Littly Kill	STX 2022A	7/20/2022	24,285,000	5/15/2050	5.250	-	-	-	-	-	24,285,000	December 31, 2024
NAF/AA+/AAA/NAF			STX 2022A	7/20/2022	25,895,000	5/15/2051	5.250	-	-	-	-	-	25,895,000	-
NAF/AA+/AAA/NAF			STX 2022A	7/20/2022	27,585,000	5/15/2052	5.250	-	-	-	-	-	27,585,000	-
NAF/AA+/AAA/NAF			STX 2022A	7/20/2022	20,735,000	5/15/2053	4.000	-	-	-	-	-	20,735,000	-
NAF/AA+/AAA/NAF NAF/AA+/AAA/NAF			STX 2022A STX 2022A	7/20/2022 7/20/2022	21,580,000 22,870,000	5/15/2054 5/15/2055	4.000 4.000	-	-	-	-	-	21,580,000	-
NAF/AA+/AAA/NAF			STX 2022A STX 2022A	7/20/2022	24,210,000	5/15/2056	4.000	-	-	-	-	-	22,870,000 24,210,000	-
NAF/AA+/AAA/NAF			STX 2022A	7/20/2022	25,630,000	5/15/2057	4.000	-		-			25,630,000	_
NAF/AA+/AAA/NAF			STX 2022A	7/20/2022	18,410,000	5/15/2053	5.250	-	-	-	-	-	18,410,000	-
NAF/AA+/AAA/NAF			STX 2022A	7/20/2022	19,920,000	5/15/2054	5.250	-	-	-	-	-	19,920,000	-
NAF/AA+/AAA/NAF			STX 2022A	7/20/2022	21,105,000	5/15/2055	5.250	-	-	-	-	-	21,105,000	-
NAF/AA+/AAA/NAF			STX 2022A STX 2022A	7/20/2022	22,355,000	5/15/2056	5.250 5.250	-	-	-	-	-	22,355,000	-
NAF/AA+/AAA/NAF NAF/AA+/AAA/NAF			STX 2022A STX 2022A	7/20/2022 7/20/2022	23,655,000 21,595,000	5/15/2057 5/15/2058	5.250 5.250	-	-	-	-	-	23,655,000 21,595,000	-
NAF/AA+/AAA/NAF			STX 2022A	7/20/2022	23,005,000	5/15/2059	5.250					-	23,005,000	-
NAF/AA+/AAA/NAF			STX 2022A	7/20/2022	24,500,000	5/15/2060	5.250	-	-			-	24,500,000	-
NAF/AA+/AAA/NAF			STX 2022A	7/20/2022	26,070,000	5/15/2061	5.250	-	-	-	-	-	26,070,000	-
NAF/AA+/AAA/NAF			STX 2022A	7/20/2022	27,730,000	5/15/2062	5.250	-	-	-	-	-	27,730,000	-
Aa3/AA-/AA-/AA			TBTA 2022A	8/18/2022	25,060,000	11/15/2040	5.000	-	-	-	-	-	25,060,000	-
Aa3/AA-/AA			TBTA 2022A	8/18/2022	26,310,000	11/15/2041	5.000	-	-	-	-	-	26,310,000	-
Aa3/AA-/AA-/AA			TBTA 2022A	8/18/2022	27,630,000	11/15/2042	5.000	-	-	-	-	-	27,630,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2022A TBTA 2022A	8/18/2022 8/18/2022	18,540,000 19,470,000	11/15/2045 11/15/2046	5.000 5.000		-	-	-	-	18,540,000 19,470,000	-
Aa3/AA-/AA-/AA			TBTA 2022A	8/18/2022	20,440,000	11/15/2047	5.000	-		-			20,440,000	_
Aa3/AA-/AA-/AA			TBTA 2022A	8/18/2022	21,465,000	11/15/2048	4.000					-	21,465,000	-
Aa3/AA-/AA-/AA			TBTA 2022A	8/18/2022	22,320,000	11/15/2049	4.000	-	-	-	-	-	22,320,000	-
Aa3/AA-/AA-/AA			TBTA 2022A	8/18/2022	23,215,000	11/15/2050	4.000	-	-	-	-	-	23,215,000	-
Aa3/AA-/AA			TBTA 2022A	8/18/2022	24,145,000	11/15/2051	4.000	-	-	-	-	-	24,145,000	-
Aa3/AA-/AA			TBTA 2022A TBTA 2022A	8/18/2022 8/18/2022	25,110,000	11/15/2052	4.000 5.500	-	-	-	-	-	25,110,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2022A TBTA 2022A	8/18/2022 8/18/2022	26,210,000 27,655,000	11/15/2053 11/15/2054	5.500 5.500	-	-	-	-	-	26,210,000 27,655,000	-
Aa3/AA-/AA-/AA			TBTA 2022A	8/18/2022	29,175,000	11/15/2055	5.500					-	29,175,000	
Aa3/AA-/AA-/AA			TBTA 2022A	8/18/2022	30,780,000	11/15/2056	5.500					-	30,780,000	-
Aa3/AA-/AA-/AA			TBTA 2022A	8/18/2022	32,475,000	11/15/2057	5.500	-	-	-	-	-	32,475,000	-
NAF/AA+/AA+/AA+		NAF/SP-1+/F1+/K1+	PMT 2022A BANS	9/1/2022	951,370,000	8/15/2024	5.000	-	951,370,000	-	-	-	-	-
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds	9/15/2022	2,505,000	11/15/2026	5.000	-	-	-	-	-	2,505,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds	9/15/2022	1,065,000	11/15/2027	5.000	-	-	-	-	-	1,065,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds PMT 2022D-1a Refunding Bonds	9/15/2022 9/15/2022	43,570,000 19,370,000	11/15/2028 11/15/2029	5.000 5.000	-	-	-	-	-	43,570,000 19,370,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds	9/15/2022	6,800,000	11/15/2025	5.000					-	6,800,000	
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds	9/15/2022	7,750,000	11/15/2032	5.000	-	-			-	7,750,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds	9/15/2022	1,785,000	11/15/2033	5.000	-	-	-	-	-	1,785,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds	9/15/2022	1,395,000	11/15/2034	5.000	-	-	-	-	-	1,395,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds	9/15/2022	25,235,000	11/15/2037	5.000	-	-	-	-	-	25,235,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds	9/15/2022	33,940,000	11/15/2038	5.000	-	-	-	-	-	33,940,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds PMT 2022D-1a Refunding Bonds	9/15/2022 9/15/2022	61,330,000 10,000,000	11/15/2039 11/15/2029	5.000 4.000	-	-	-	-	-	61,330,000 10,000,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds PMT 2022D-1a Refunding Bonds	9/15/2022	10,225,000	11/15/2029	4.000		-		-	-	10,225,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds	9/15/2022	3,855,000	11/15/2031	4.000	-	-	_	-	_	3,855,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds	9/15/2022	615,000	11/15/2040	4.000					-	615,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds	9/15/2022	640,000	11/15/2041	4.000	-	-	-	-	-	640,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1a Refunding Bonds	9/15/2022	665,000	11/15/2042	4.000	-	-	-	-	-	665,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1b Refunding Bonds	9/15/2022	3,370,000	11/15/2030	-	-	-	-	-	-	3,370,000	-
NAF/AA+/AA+/AA+			PMT 2022D-1b Refunding Bonds	9/15/2022	1,465,000	11/15/2035	-	-	-	-	-	-	1,465,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2022D-1b Refunding Bonds PMT 2022D-1b Refunding Bonds	9/15/2022 9/15/2022	25,235,000 7,140,000	11/15/2036 11/15/2039	-		-	-	-	-	25,235,000 7,140,000	
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	24,275,000	5/15/2043	5.250	-		-			24,275,000	_
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	26,275,000	5/15/2044	5.250	_	_	-	-	_	26,275,000	-
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	28,385,000	5/15/2045	5.250	-	-	-	-	-	28,385,000	-
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	30,610,000	5/15/2046	5.250	-	-	-	-	-	30,610,000	-
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	32,950,000	5/15/2047	5.250	-	-	-	-	-	32,950,000	-
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	15,000,000	5/15/2043	4.500	-	-	-	-	-	15,000,000	-
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	15,000,000 15,000,000	5/15/2044	4.500 4.500	-	-	-	-	-	15,000,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2022D-2 PMT 2022D-2	9/15/2022 9/15/2022	15,000,000 15,000,000	5/15/2045 5/15/2046	4.500 4.500	-	-	-	-	-	15,000,000 15,000,000	-
NAF/AA+/AA+/AA+			PMT 2022D-2 PMT 2022D-2	9/15/2022	15,000,000	5/15/2046	4.500	-	-	-	-	-	15,000,000	
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	30,455,000	5/15/2048	5.500	-	-	-	-	-	30,455,000	
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	33,090,000	5/15/2049	5.500	-	-	-	-	-	33,090,000	-
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	35,885,000	5/15/2050	5.500	-	-	-	-	-	35,885,000	-
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	38,845,000	5/15/2051	5.500	-	-	-	-	-	38,845,000	-
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	41,965,000	5/15/2052	5.500	-	-	-	-	-	41,965,000	-

Disclosure for Fisc	cal Year Ended 12	/31/2024												
			Total Bonds and Note		8,015,225,000									
			New Money Bonds and Note Refunding Bonds and Note		4,800,940,000 3,214,285,000	Г	Total	1,702,930,000	5,273,530,000		80,890,000	566,165,000	45,980,577,500	1,870,555,000
			neranang sonas ana noc	C5 1554C4 111 E0E-7	3,214,203,000	ا	70141	1,702,330,000	3,273,330,000		50,030,000	300,103,000	43,300,377,300	1,070,333,000
	Credit Supported L T										Amount	Amount		
Underlying L T Ratings	Ratings	S T Ratings	6 . 4	B				Amount Matured in		Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll NAF/AA+/AA+/AA+	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u> PMT 2022D-2	<u>Date Issued</u> 9/15/2022	Amount Issued 20,000,000	Maturity 5/15/2048	<u>Coupon</u> 4.500	2024	<u>in 2024</u>	2024	2024	<u>2024</u>	of December 31, 2024 20,000,000	December 31, 2024
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	20,000,000	5/15/2049	4.500	-	_	_	-	_	20,000,000	
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	20,000,000	5/15/2050	4.500	-	-	-	-	-	20,000,000	-
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	20,000,000	5/15/2051	4.500	-	-	-	-	-	20,000,000	-
NAF/AA+/AA+/AA+			PMT 2022D-2	9/15/2022	20,000,000	5/15/2052	4.500	-	-	-	-	-	20,000,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2022E-1 (2027 Balloon) PMT 2022E-1 (2027 Balloon)	11/1/2022 11/1/2022	34,135,000 35,845,000	11/15/2053 11/15/2054	5.000 5.000	-	-	-	-	-	34,135,000 35,845,000	•
NAF/AA+/AA+/AA+			PMT 2022E-1 (2027 Balloon)	11/1/2022	37.635.000	11/15/2055	5.000						37,635,000	
NAF/AA+/AA+/AA+			PMT 2022E-1 (2027 Balloon)	11/1/2022	39,520,000	11/15/2056	5.000	-	-	-	-	-	39,520,000	-
NAF/AA+/AA+/AA+			PMT 2022E-1 (2027 Balloon)	11/1/2022	41,495,000	11/15/2057	5.000	-	-	-	-	-	41,495,000	-
NAF/AA+/AA+/AA+			PMT 2022E-2a Rfd Bonds(26 Balloon)	11/1/2022	28,320,000	11/15/2037	4.000	-	-	-	-	-	28,320,000	24,703,198
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2022E-2a Rfd Bonds(26 Balloon) PMT 2022E-2a Rfd Bonds(26 Balloon)	11/1/2022	29,060,000	11/15/2038 11/15/2040	4.000 4.000	-	-	-	-	-	29,060,000	25,348,691
NAF/AA+/AA+/AA+ NAF/AA+/AA+			PMT 2022E-2a Rfd Bonds(26 Balloon) PMT 2022E-2a Rfd Bonds(26 Balloon)	11/1/2022 11/1/2022	20,675,000 21,505,000	11/15/2040	4.000	-	-	-	-	-	20,675,000 21,505,000	18,034,556 18,758,555
NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(27 Balloon)	11/1/2022	5,690,000	11/15/2035	5.000		-	-	-	-	5,690,000	10,730,333
NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(27 Balloon)	11/1/2022	10,290,000	11/15/2036	5.000	-	-	-	-	-	10,290,000	-
NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(27 Balloon)	11/1/2022	9,600,000	11/15/2037	5.000	-	-	-	-	-	9,600,000	-
NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(27 Balloon)	11/1/2022	13,140,000	11/15/2038	5.000	-	-	-	-	-	13,140,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(27 Balloon) PMT 2022E-2b Rfd Bonds(27 Balloon)	11/1/2022 11/1/2022	17,980,000 19,250,000	11/15/2040 11/15/2041	5.000 5.000	-	-	-	-	-	17,980,000 19,250,000	-
NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(27 Balloon)	11/1/2022	20,410,000	11/15/2041	5.000	-		-	-	-	20,410,000	
NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(27 Balloon)	11/1/2022	15,330,000	11/15/2043	5.000						15,330,000	-
NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(32 Balloon)	11/1/2022	15,290,000	11/15/2035	5.000	-	-	-	-	-	15,290,000	-
NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(32 Balloon)	11/1/2022	27,675,000	11/15/2036	5.000	-	-	-	-	-	27,675,000	
NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(32 Balloon)	11/1/2022	25,810,000	11/15/2037	5.000	-	-	-	-	-	25,810,000	
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(32 Balloon) PMT 2022E-2b Rfd Bonds(32 Balloon)	11/1/2022 11/1/2022	35,345,000 48,360,000	11/15/2038 11/15/2040	5.000 5.000	-	-	-	-	-	35,345,000 48,360,000	-
NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(32 Balloon)	11/1/2022	51,760,000	11/15/2040	5.000		-	-	-	-	51,760,000	
NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(32 Balloon)	11/1/2022	54,875,000	11/15/2042	5.000	-	-	-	-	-	54,875,000	-
NAF/AA+/AA+/AA+			PMT 2022E-2b Rfd Bonds(32 Balloon)	11/1/2022	41,205,000	11/15/2043	5.000	-	-	-	-	-	41,205,000	-
NAF/AA+/AA+/AA+		NAF/SP-1+/F1+/K1+	PMT 2022B BANS	12/15/2022	766,540,000	12/16/2024	5.000		766,540,000	-	-	-	-	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2023A PMT 2023A	1/12/2023 1/12/2023	192,080,000 10,060,000	11/15/2024 5/15/2025	5.000 5.000	192,080,000	-	-	-	-	10,060,000	•
NAF/AA+/AA+/AA+			PMT 2023A	1/12/2023	59.840.000	11/15/2025	5.000						59,840,000	
NAF/AA+/AA+/AA+			PMT 2023A	1/12/2023	73,780,000	11/15/2026	5.000	-	-	-	-	-	73,780,000	
NAF/AA+/AA+/AA+			PMT 2023A	1/12/2023	77,470,000	11/15/2027	5.000	-	-	-	-	-	77,470,000	-
NAF/AA+/AA+/AA+			PMT 2023A	1/12/2023	33,245,000	11/15/2028	5.000	-	-	-	-	-	33,245,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2023A PMT 2023A	1/12/2023 1/12/2023	84,300,000	11/15/2029 11/15/2031	5.000 4.000	-	-	-	-	-	84,300,000	-
NAF/AA+/AA+/AA+			PMT 2023A PMT 2023A	1/12/2023	37,395,000 51,125,000	11/15/2031	5.000	-	-	-	-	-	37,395,000 51,125,000	
NAF/AA+/AA+/AA+			PMT 2023A	1/12/2023	27,745,000	11/15/2033	4.000						27,745,000	-
NAF/AA+/AA+/AA+			PMT 2023A	1/12/2023	17,650,000	11/15/2033	5.000	-	-	-	-	-	17,650,000	-
NAF/AA+/AA+/AA+			PMT 2023A	1/12/2023	3,780,000	11/15/2034	4.000	-	-	-	-	-	3,780,000	
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2023A PMT 2023A	1/12/2023 1/12/2023	41,085,000 41,060,000	11/15/2034 11/15/2035	5.000 4.000	-	-	-	-	-	41,085,000 41,060,000	
NAF/AA+/AA+/AA+			PMT 2023A	1/12/2023	14,335,000	11/15/2035	4.000	-			-	-	14,335,000	
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	42,030,000	11/15/2024	5.000	42,030,000			-	-		
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	121,215,000	11/15/2025	5.000	-	-	-	-	-	121,215,000	-
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	127,105,000	11/15/2026	5.000	-	-	-	-	-	127,105,000	-
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	95,525,000	11/15/2027	5.000	-	-	-	-	-	95,525,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2023A TBTA 2023A	2/14/2023 2/14/2023	2,000,000 93,965,000	11/15/2028 11/15/2028	4.000 5.000	-	-	-	-	-	2,000,000 93.965.000	-
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	7,400,000	11/15/2029	4.000		-	-	-	-	7,400,000	
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	41,180,000	11/15/2029	5.000	-	-	-	-	-	41,180,000	-
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	7,800,000	11/15/2030	4.000	-	-	-	-	-	7,800,000	-
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	32,625,000	11/15/2030	5.000	-	-	-	-	-	32,625,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2023A TBTA 2023A	2/14/2023 2/14/2023	8,250,000 31,285,000	11/15/2031 11/15/2031	4.000 5.000	-	-	-	-	-	8,250,000 31,285,000	•
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	8,700,000	11/15/2031	4.000						8,700,000	
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	18,040,000	11/15/2032	5.000	-	-	-	-	-	18,040,000	-
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	20,860,000	11/15/2033	5.000	-	-	-	-	-	20,860,000	-
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	6,200,000	11/15/2034	4.000	-	-	-	-	-	6,200,000	-
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	22,660,000	11/15/2034	5.000	-	-	-	-	-	22,660,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			ТВТА 2023А ТВТА 2023А	2/14/2023 2/14/2023	30,290,000 31,870,000	11/15/2035 11/15/2036	5.000 5.000	-	-	-	-	-	30,290,000 31.870.000	-
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	9,855,000	11/15/2037	4.000	-	-		-	-	9,855,000	
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	23,645,000	11/15/2037	5.000	-	-	-	-	-	23,645,000	-
Aa3/AA-/AA-/AA			TBTA 2023A	2/14/2023	10,500,000	11/15/2038	4.000	-	-	-	-	-	10,500,000	-
Aa3/AA-/AA-/AA			TBTA 2023A TBTA 2023A	2/14/2023 2/14/2023	24,700,000 10.525.000	11/15/2038 11/15/2039	5.000 4.000	-	-	-	-	-	24,700,000 10.525.000	-
Aa3/AA-/AA-/AA NAF/AA+/AAA/NAF			IBIA 2023A STX 2023A	2/14/2023 3/14/2023	10,525,000	11/15/2039 5/15/2030	4.000 5.000	-	-	-	-	-	10,525,000 6,410,000	-

NAF/AA+/AAA/NAF

5.000

6,410,000

STX 2023A

3/14/2023

6,410,000

5/15/2030

					ites Issued in 2024 otes Issued in 2024	8,015,225,000 4,800,940,000									
			Refund	ing Bonds and No	otes Issued in 2024	3,214,285,000		Total	1,702,930,000	5,273,530,000	-	80,890,000	566,165,000	0 45,980,577,500	1,870,555,000
	Credit Supported L T											Amount	Amount		
Underlying LT Ratings		S T Ratings							Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll		Mdy/S&P/Ftch/Krll	Series		Date Issued	Amount Issued	Maturity	Coupon	2024	<u>in 2024</u>	<u>2024</u>	<u>2024</u>	2024	of December 31, 2024	December 31, 2024
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	7,170,000	5/15/2031	5.000	-	-	-	-	-	7,170,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	7,975,000	5/15/2032	5.000	-	-	-	-	-	7,975,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	8,825,000	5/15/2033	5.000	-	-	-	-	-	8,825,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	9,720,000	5/15/2034	5.000	-	-	-	-	-	9,720,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	10,665,000	5/15/2035	5.000 5.000	-	-	-	-	-	10,665,000	-
NAF/AA+/AAA/NAF NAF/AA+/AAA/NAF				STX 2023A STX 2023A	3/14/2023 3/14/2023	11,660,000 12,710,000	5/15/2036 5/15/2037	5.000	-	•	-	-	-	11,660,000 12,710,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	13,820,000	5/15/2037	5.000		-	-	-		13,820,000	
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	14,990,000	5/15/2039	5.000						14,990,000	
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	16,220,000	5/15/2040	5.000			-	-	-	16,220,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	17,520,000	5/15/2041	5.000			-	-	-	17,520,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	18,890,000	5/15/2042	5.000	-	-	-	-	-	18,890,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	20,330,000	5/15/2043	5.000	-	-	-	-	-	20,330,000	-
NAF/AA+/AAA/NAF	AF.			STX 2023A	3/14/2023	21,845,000	5/15/2044	5.000	-	-	-	-	-	21,845,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	11,600,000	5/15/2045	5.000	-	-	-	-	-	11,600,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	12,180,000	5/15/2046	5.000	-	-	-	-	-	12,180,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	12,790,000	5/15/2047	5.000	-	-	-	-	-	12,790,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	13,430,000	5/15/2048	5.000	-	-	-	-	-	13,430,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	31,790,000	5/15/2045	4.000	-	-	-	-	-	31,790,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	33,065,000	5/15/2046	4.000	-	-	-	-	-	33,065,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	34,385,000	5/15/2047	4.000	-	-	-	-	-	34,385,000	-
NAF/AA+/AAA/NAF NAF/AA+/AAA/NAF				STX 2023A STX 2023A	3/14/2023 3/14/2023	35,760,000 9,050,000	5/15/2048 5/15/2049	4.000 5.000	-	-	-	-	-	35,760,000 9,050,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	9,500,000	5/15/2050	5.000		-	•	-	-	9,500,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	9,975,000	5/15/2051	5.000						9,975,000	
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	10,475,000	5/15/2051	5.000		-	-		-	10,475,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	11,000,000	5/15/2053	5.000		-		-		11,000,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	23,020,000	5/15/2049	4.125				-	-	23,020,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	23,970,000	5/15/2050	4.125		-	-	-	-	23,970,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	24,960,000	5/15/2051	4.125	-	-	-	-	-	24,960,000	-
NAF/AA+/AAA/NAF	AF.			STX 2023A	3/14/2023	25,990,000	5/15/2052	4.125	-	-	-	-	-	25,990,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	27,060,000	5/15/2053	4.125	-	-	-	-	-	27,060,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	6,300,000	5/15/2054	5.250	-	-	-	-	-	6,300,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	6,635,000	5/15/2055	5.250	-	-	-	-	-	6,635,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	6,980,000	5/15/2056	5.250	-	-	-	-	-	6,980,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	7,350,000	5/15/2057	5.250	-	-	-	-	-	7,350,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	7,735,000	5/15/2058	5.250	-	-	-	-	-	7,735,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	64,295,000	5/15/2054	4.250	-	-	-	-	-	64,295,000	-
NAF/AA+/AAA/NAF NAF/AA+/AAA/NAF				STX 2023A STX 2023A	3/14/2023 3/14/2023	67,030,000 69,880,000	5/15/2055 5/15/2056	4.250 4.250	-	-		-		67,030,000 69.880.000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	72,850,000	5/15/2057	4.250						72,850,000	
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	75,945,000	5/15/2058	4.250		-	-		-	75,945,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	6,270,000	5/15/2059	5.500			-	-	-	6,270,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	6,615,000	5/15/2060	5.500				-	-	6,615,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	6,980,000	5/15/2061	5.500	-	-	-	-	-	6,980,000	-
NAF/AA+/AAA/NAF	AF.			STX 2023A	3/14/2023	7,365,000	5/15/2062	5.500	-	-	-	-	-	7,365,000	-
NAF/AA+/AAA/NAF	AF.			STX 2023A	3/14/2023	7,770,000	5/15/2063	5.500	-	-	-	-	-	7,770,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	50,265,000	5/15/2059	4.500	-	-	-	-	-	50,265,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	52,530,000	5/15/2060	4.500	-	-	-	-	-	52,530,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	54,895,000	5/15/2061	4.500	-	-	-	-	-	54,895,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	57,365,000	5/15/2062	4.500	-	-	-	-	-	57,365,000	-
NAF/AA+/AAA/NAF				STX 2023A	3/14/2023	59,945,000	5/15/2063	4.500	-	-	-	-	-	59,945,000	-
NAF/AA+/AA+/AA+				B (2028 Balloon)	7/6/2023	5,140,000	11/15/2029	5.000	-	-	-	-	-	5,140,000	-
NAF/AA+/AA+/AA+				B (2028 Balloon)	7/6/2023	5,345,000	11/15/2030	5.000	-	-	-	-	-	5,345,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+				B (2028 Balloon) B (2028 Balloon)	7/6/2023 7/6/2023	5,560,000 5,780,000	11/15/2031 11/15/2032	5.000 5.000	-	-	-	-	-	5,560,000 5,780,000	-
NAF/AA+/AA+/AA+				B (2028 Balloon)	7/6/2023	6,000,000	11/15/2032	5.000						6,000,000	
NAF/AA+/AA+/AA+				B (2028 Balloon)	7/6/2023	6,240,000	11/15/2033	5.000	-	-	-	-	-	6,240,000	
NAF/AA+/AA+/AA+				B (2028 Balloon)	7/6/2023	6,485,000	11/15/2034	5.000	-	-	-	-	-	6,485,000	
NAF/AA+/AA+/AA+				B (2028 Balloon)	7/6/2023	6,745,000	11/15/2035	5.000	-	_	_	_	_	6,745,000	-
NAF/AA+/AA+/AA+				B (2028 Balloon)	7/6/2023	7,010,000	11/15/2037	5.000	-	_	_	_	_	7,010,000	-
NAF/AA+/AA+/AA+				B (2028 Balloon)	7/6/2023	7,285,000	11/15/2038	5.000	_		-	-	-	7,285,000	
NAF/AA+/AA+/AA+				B (2028 Balloon)	7/6/2023	7,570,000	11/15/2039	5.000	-	-	-	-	-	7,570,000	-
NAF/AA+/AA+/AA+				B (2028 Balloon)	7/6/2023	7,870,000	11/15/2040	5.000	-	-	-	-	-	7,870,000	-
NAF/AA+/AA+/AA+	4+			B (2028 Balloon)	7/6/2023	8,185,000	11/15/2041	5.000	-	-	-	-	-	8,185,000	-
NAF/AA+/AA+/AA+			PMT 2023	B (2028 Balloon)	7/6/2023	8,505,000	11/15/2042	5.000	-	-	-	-	-	8,505,000	-
NAF/AA+/AA+/AA+	\+			B (2028 Balloon)	7/6/2023	8,840,000	11/15/2043	5.000	-	-	-	-	-	8,840,000	-
NAF/AA+/AA+/AA+				B (2028 Balloon)	7/6/2023	9,190,000	11/15/2044	5.000	-	-	-	-	-	9,190,000	-
ΝΔΕ/ΔΔ+/ΔΔ+/ΔΔ+			PMT 2023	R (2028 Ralloon)	7/6/2023	9 550 000	11/15/2045	5,000						9 550 000	_

PMT 2023B (2028 Balloon)

PMT 2023B (2028 Balloon)

PMT 2023B (2028 Balloon)

7/6/2023

7/6/2023

7/6/2023

NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+

NAF/AA+/AA+/AA+

5.000 5.000

5.000

9,550,000 9,930,000

10,320,000

9,550,000 11/15/2045

10,320,000 11/15/2047

11/15/2046

9,930,000

1,870,555,000

45,980,577,500

	Credit Supported L T										Amount	Amount		
Underlying LT Ratings	Ratings	S T Ratings						Amount Matured in		Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Series	Date Issued	Amount Issued	Maturity	Coupon	<u>2024</u>	<u>in 2024</u>	2024	2024	2024	of December 31, 2024	<u>December 31, 2024</u>
NAF/AA+/AA+/AA+			PMT 2023B (2028 Balloon)	7/6/2023	10,725,000	11/15/2048	5.000	-	-	-	-	-	10,725,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2023B (2028 Balloon) PMT 2023B (2028 Balloon)	7/6/2023 7/6/2023	11,150,000 11,590,000	11/15/2049 11/15/2050	5.000 5.000			-	-	-	11,150,000 11,590,000	
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	4,155,000	11/15/2034	5.000						4,155,000	
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	4,365,000	11/15/2035	5.000	-	_		-		4,365,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	4,585,000	11/15/2036	5.000		-		-		4,585,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	4,815,000	11/15/2037	5.000	-	-	-	-	-	4,815,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	5,055,000	11/15/2038	5.000	-	-	-	-	-	5,055,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	5,305,000	11/15/2039	5.000	-	-	-	-	-	5,305,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	5,570,000	11/15/2040	5.000	-	-	-	-	-	5,570,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	5,850,000	11/15/2041	5.000	-	-	-	-	-	5,850,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	6,140,000	11/15/2042	5.000		-	-	-	-	6,140,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon) PMT 2023B (2030 Balloon)	7/6/2023 7/6/2023	6,450,000 6,770,000	11/15/2043 11/15/2044	5.000 5.000		-	-	-	-	6,450,000 6,770,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	7,110,000	11/15/2045	5.000						7,110,000	
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	7,465,000	11/15/2046	5.000		_		_		7,465,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	7,840,000	11/15/2047	5.000	-	-	-	-	-	7,840,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	8,230,000	11/15/2048	5.000	-	-	-	-	-	8,230,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	8,645,000	11/15/2049	5.000	-	-	-	-	-	8,645,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	9,075,000	11/15/2050	5.000	-	-	-	-	-	9,075,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	9,530,000	11/15/2051	5.000	-	-	-	-	-	9,530,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	10,005,000	11/15/2052	5.000	-	-	-	-	-	10,005,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon) PMT 2023B (2030 Balloon)	7/6/2023 7/6/2023	10,505,000 11,030,000	11/15/2053 11/15/2054	5.000 5.000	-	-	-	-	-	10,505,000 11,030,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	11,580,000	11/15/2054	5.000	-	-	-	-	-	11,580,000	
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	12,160,000	11/15/2056	5.000	-	-	-	-	-	12,160,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	12,770,000	11/15/2057	5.000		_		_		12,770,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	13,405,000	11/15/2058	5.000	-	-	-	-	-	13,405,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2030 Balloon)	7/6/2023	14,080,000	11/15/2059	5.000	-	-	-	-	-	14,080,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	4,155,000	11/15/2034	5.000	-	-	-	-	-	4,155,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	4,365,000	11/15/2035	5.000	-	-	-	-	-	4,365,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	4,585,000	11/15/2036	5.000		-	-	-	-	4,585,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon) PMT 2023B (2033 Balloon)	7/6/2023 7/6/2023	4,815,000 5,055,000	11/15/2037 11/15/2038	5.000 5.000		-	-	-	-	4,815,000 5,055,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	5,305,000	11/15/2038	5.000		-	•	-	-	5,305,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	5,570,000	11/15/2039	5.000		-	-	-	-	5,570,000	
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	5,850,000	11/15/2040	5.000	-			-	-	5,850,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	6,140,000	11/15/2042	5.000		-		-		6,140,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	6,450,000	11/15/2043	5.000	-	-	-	-	-	6,450,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	6,770,000	11/15/2044	5.000		-	-	-	-	6,770,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	7,110,000	11/15/2045	5.000		-	-	-	-	7,110,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	7,465,000	11/15/2046	5.000	-	-	-	-	-	7,465,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	7,840,000	11/15/2047	5.000	-	-	-	-	-	7,840,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon) PMT 2023B (2033 Balloon)	7/6/2023 7/6/2023	8,230,000 8,645,000	11/15/2048 11/15/2049	5.000 5.000		-	-	-	-	8,230,000 8,645,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	9,075,000	11/15/2050	5.000						9,075,000	
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	9,530,000	11/15/2050	5.000						9,530,000	
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	10,005,000	11/15/2052	5.000						10,005,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	10,505,000	11/15/2053	5.000		-	-	-	-	10,505,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	11,030,000	11/15/2054	5.000	-	-	-	-	-	11,030,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	11,580,000	11/15/2055	5.000	-	-	-	-	-	11,580,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	12,160,000	11/15/2056	5.000	-	-	-	-	-	12,160,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	12,770,000	11/15/2057	5.000		-	-	-	-	12,770,000	-
NAF/AA+/AA+/AA+			PMT 2023B (2033 Balloon)	7/6/2023	13,410,000	11/15/2058	5.000		-	-	-	-	13,410,000	-
NAF/AA+/AA+/AA+ Aa3/AA-/AA-/AA			PMT 2023B (2033 Balloon) TBTA 2023B-1	7/6/2023 8/17/2023	14,080,000 9,055,000	11/15/2059 11/15/2034	5.000 5.000		-	-	-	-	14,080,000 9,055,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	9,510,000	11/15/2035	5.000						9,510,000	
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	9,985,000	11/15/2036	5.000						9,985,000	
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	10,485,000	11/15/2037	5.000						10,485,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	11,010,000	11/15/2038	5.000	-	-	-	-	-	11,010,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	11,560,000	11/15/2039	5.000	-	-	-	-	-	11,560,000	
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	12,135,000	11/15/2040	5.000	-	-	-	-	-	12,135,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	12,745,000	11/15/2041	5.000		-	-	-	-	12,745,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	13,380,000	11/15/2042	5.000		-	-	-	-	13,380,000	•
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	14,050,000	11/15/2043	5.000		-	-	-	-	14,050,000	•
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2023B-1 TBTA 2023B-1	8/17/2023 8/17/2023	14,755,000 15,490,000	11/15/2044 11/15/2045	5.000 5.000	-	-	-	-	-	14,755,000 15,490,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA			TBTA 2023B-1	8/17/2023 8/17/2023	15,490,000	11/15/2045	5.000	-	-	-	-	-	15,490,000	•
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	17,080,000	11/15/2046	5.000	-		-	-	-	17,080,000	
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	17,930,000	11/15/2048	5.000		-	-	-	1	17,930,000	
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	18,830,000	11/15/2049	5.250	-	-	-	-	-	18,830,000	-

Disclosure for Fis	scal Year Ended 12	2/31/2024												
			Total Bonds and No		8,015,225,000									
			New Money Bonds and No		4,800,940,000									
			Refunding Bonds and No	tes Issued in 2024	3,214,285,000		Total	1,702,930,000	5,273,530,000	•	80,890,000	566,165,000	0 45,980,577,500	1,870,555,000
	Credit Supported L T										Amount	Amount		
Underlying L T Ratings		S T Ratings						Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	19,815,000	11/15/2050	5.250	-	-	-	-	-	19,815,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	20,860,000	11/15/2051	5.250		-	-	-	-	20,860,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	21,955,000	11/15/2052	5.250		-	-	-	-	21,955,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-1	8/17/2023	23,105,000	11/15/2053	5.250		-	-	-	-	23,105,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-2 Refunding Bonds	8/17/2023	19,020,000 7,220,000	11/15/2024	5.000 5.000		-	-	-	-	7,220,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2023B-2 Refunding Bonds TBTA 2023B-2 Refunding Bonds	8/17/2023 8/17/2023	7,715,000	11/15/2025 11/15/2026	5.000		-		-		7,715,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-2 Refunding Bonds	8/17/2023	16,310,000	11/15/2027	5.000				_		16,310,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-2 Refunding Bonds	8/17/2023	6,270,000	11/15/2028	5.000					-	6,270,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-2 Refunding Bonds	8/17/2023	6,585,000	11/15/2029	5.000		-	-	-	-	6,585,000	-
Aa3/AA-/AA-/AA			TBTA 2023B-2 Refunding Bonds	8/17/2023	6,910,000	11/15/2030	5.000		-	-	-	-	6,910,000	-
NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	12,230,000	11/15/2029	5.000		-	-	-	-	12,230,000	-
NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	12,670,000	11/15/2030	5.000		-	-	-	-	12,670,000	-
NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	7,645,000	11/15/2031	5.000		-	-	-	-	7,645,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	29,215,000	11/15/2032	5.000 5.000		-	-	-	-	29,215,000	-
NAF/AA+/AA+/AA+			PMT 2023C PMT 2023C	10/19/2023 10/19/2023	45,840,000 81,160,000	11/15/2033 11/15/2034	5.000		-	-	-	-	45,840,000 81,160,000	-
NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	95,035,000	11/15/2034	5.000						95.035.000	-
NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	99,090,000	11/15/2036	5.000		-	-			99.090.000	-
NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	104,840,000	11/15/2037	5.000				_	-	104,840,000	-
NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	106,405,000	11/15/2038	5.000	-	-	-	-	-	106,405,000	-
NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	108,255,000	11/15/2039	5.250	-	-	-	-	-	108,255,000	-
NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	166,780,000	11/15/2040	5.250		-	-	-	-	166,780,000	-
NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	110,890,000	11/15/2041	5.000		-	-	-	-	110,890,000	-
NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	106,335,000	11/15/2042	5.250		-	-	-	-	106,335,000	-
NAF/AA+/AA+/AA+			PMT 2023C	10/19/2023	43,810,000	11/15/2043	5.000		-	-	-	-	43,810,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2024A PMT 2024A	1/25/2024 1/25/2024	11,340,000 11,925,000	5/15/2034 5/15/2035	5.000 5.000		-	-	-	-	11,340,000 11,925,000	-
NAF/AA+/AA+/AA+			PMT 2024A	1/25/2024	12,535,000	5/15/2036	5.000						12,535,000	
NAF/AA+/AA+/AA+			PMT 2024A	1/25/2024	13,175,000	5/15/2037	5.000		-	-			13,175,000	-
NAF/AA+/AA+/AA+			PMT 2024A	1/25/2024	13,850,000	5/15/2038	5.000		-	-	-	-	13,850,000	-
NAF/AA+/AA+/AA+	+		PMT 2024A	1/25/2024	14,560,000	5/15/2039	5.000	-	-	-	-	-	14,560,000	-
NAF/AA+/AA+/AA+	+		PMT 2024A	1/25/2024	15,310,000	5/15/2044	5.000	-	-	-	-	-	15,310,000	-
NAF/AA+/AA+/AA+			PMT 2024A	1/25/2024	16,095,000	5/15/2045	5.000		-	-	-	-	16,095,000	-
NAF/AA+/AA+/AA+			PMT 2024A	1/25/2024	16,920,000	5/15/2046	5.000		-	-	-	-	16,920,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2024A PMT 2024A	1/25/2024	17,785,000	5/15/2047	5.000 5.000		-	-	-	-	17,785,000	-
NAF/AA+/AA+/AA+			PMT 2024A PMT 2024A	1/25/2024 1/25/2024	18,700,000 19,660,000	5/15/2048 5/15/2049	5.000		-		-		18,700,000 19,660,000	-
NAF/AA+/AA+/AA+			PMT 2024A	1/25/2024	20,665,000	5/15/2050	5.000		-	-			20,665,000	-
NAF/AA+/AA+/AA+			PMT 2024A	1/25/2024	21,725,000	5/15/2051	5.000					-	21,725,000	-
NAF/AA+/AA+/AA+			PMT 2024A	1/25/2024	22,840,000	5/15/2052	5.000	-	-	-	-	-	22,840,000	-
NAF/AA+/AA+/AA+	+		PMT 2024A	1/25/2024	24,010,000	5/15/2053	5.000		-	-	-	-	24,010,000	-
NAF/AA+/AA+/AA+			PMT 2024A	1/25/2024	25,245,000	5/15/2054	5.000		-	-	-	-	25,245,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	5,640,000	5/15/2027	5.000		-	-	-	-	5,640,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	7,380,000	5/15/2028	5.000		-	-	-	-	7,380,000	-
NAF/AA+/AAA/NAF NAF/AA+/AAA/NAF			STX 2024A-1 STX 2024A-1	2/8/2024 2/8/2024	9,215,000 4,755,000	5/15/2029 5/15/2030	5.000 5.000		-	-	-	-	9,215,000 4,755,000	-
NAF/AA+/AAA/NAF			STX 2024A-1 STX 2024A-1	2/8/2024	4,755,000 6,050,000	5/15/2030	5.000		-		-	-	4,755,000 6,050,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	7,425,000	5/15/2031	5.000				_		7,425,000	
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	8,870,000	5/15/2033	5.000		_	-	-	-	8,870,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	10,410,000	5/15/2034	5.000		-	-	-	-	10,410,000	-
NAF/AA+/AAA/NAF	F		STX 2024A-1	2/8/2024	12,035,000	5/15/2035	5.000	-	-	-	-	-	12,035,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	13,750,000	5/15/2036	5.000		-	-	-	-	13,750,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	15,560,000	5/15/2037	5.000		-	-	-	-	15,560,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	17,475,000	5/15/2038	5.000		-	-	-	-	17,475,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	19,490,000	5/15/2039	5.000		-	-	-	-	19,490,000	-
NAF/AA+/AAA/NAF			STX 2024A-1 STX 2024A-1	2/8/2024	21,630,000	5/15/2040	5.000 5.000		-	-	-	-	21,630,000	-
NAF/AA+/AAA/NAF NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024 2/8/2024	23,875,000 26,245,000	5/15/2041 5/15/2042	5.000		-	-	-	-	23,875,000 26,245,000	-
NAF/AA+/AAA/NAF			STX 2024A-1 STX 2024A-1	2/8/2024	39,845,000	5/15/2042	5.000		-	-	-	-	39,845,000	
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	31,400,000	5/15/2044	5.000		-				31,400,000	
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	22,105,000	5/15/2045	5.000		-	-		-	22,105,000	
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	20,840,000	5/15/2046	5.000		-	-	-	-	20,840,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	19,605,000	5/15/2047	5.000		-	-	-	-	19,605,000	-
NAF/AA+/AAA/NAF	F		STX 2024A-1	2/8/2024	15,195,000	5/15/2048	5.000		-	-	-	-	15,195,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	36,870,000	5/15/2049	5.000		-	-	-	-	36,870,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	18,840,000	5/15/2050	4.000		-	-	-	-	18,840,000	-
NAE/AA±/AAA/NAE	=		STY 2024A-1	2/8/2024	20 410 000	5/15/2051	4 000						20 410 000	

NAF/AA+/AAA/NAF

NAF/AA+/AAA/NAF

NAF/AA+/AAA/NAF

NAF/AA+/AAA/NAF

4.000

4.000

4.000

4.000

20,410,000

22,015,000

23,755,000

10,895,000

2/8/2024

2/8/2024

2/8/2024

2/8/2024

STX 2024A-1

STX 2024A-1

STX 2024A-1

STX 2024A-1

20,410,000

22,015,000

23,755,000

10,895,000

5/15/2051

5/15/2052

5/15/2053

5/15/2054

			New Money Bonds and No	tes issued in 2024	4.800.940.000									
			Refunding Bonds and No		3,214,285,000	Г	Total	1,702,930,000	5,273,530,000		80,890,000	566,165,000	45,980,577,500	1,870,555,000
			Refunding bonds and No	tes issued in 2024	3,214,285,000	L	Iotai	1,702,930,000	5,273,530,000	-	80,890,000	300,103,000	45,980,577,500	1,870,535,000
	Credit Supported L T										Amount	Amount		
Underlying L T Ratings		S T Ratings						Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	21,585,000	5/15/2050	5.000		-				21,585,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	23,570,000	5/15/2051	5.000					-	23,570,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	25,705,000	5/15/2052	5.000					-	25,705,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	27,890,000	5/15/2053	5.000					-	27,890,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	9,100,000	5/15/2054	5.000	-	-	_			9,100,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	22,680,000	5/15/2055	5.250				_		22,680,000	_
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	25,690,000	5/15/2056	5.250	-	-	_			25,690,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	28,870,000	5/15/2057	5.250	-	-	_			28,870,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	62,770,000	5/15/2058	5.250	-	-	_			62,770,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	97,155,000	5/15/2059	5.250	-	-	_			97,155,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	38,375,000	5/15/2060	4.125	_					38,375,000	_
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	40,965,000	5/15/2061	4.125				_		40,965,000	_
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	43,705,000	5/15/2062	4.125	-	-	_			43,705,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	51,560,000	5/15/2063	4.125						51,560,000	_
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	75,395,000	5/15/2064	4.125	-	-	_			75,395,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	66.070.000	5/15/2060	5.250						66.070.000	_
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	70,755,000	5/15/2061	5.250	-	-	_			70,755,000	-
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	75,660,000	5/15/2062	5.250						75,660,000	_
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	83,270,000	5/15/2063	5.250	_		_	_	_	83,270,000	_
NAF/AA+/AAA/NAF			STX 2024A-1	2/8/2024	120,085,000	5/15/2064	5.250		-	-			120,085,000	
NAF/AA+/AAA/NAF			STX 2024A-2	2/8/2024	4,905,000	5/15/2054	5.250	_		_	_	_	4,905,000	_
NAF/AA+/AAA/NAF			STX 2024A-2	2/8/2024	5,155,000	5/15/2055	5.250						5,155,000	
NAF/AA+/AAA/NAF			STX 2024A-2	2/8/2024	5,430,000	5/15/2056	5.250		-	-			5,430,000	
NAF/AA+/AAA/NAF			STX 2024A-2	2/8/2024	5,710,000	5/15/2057	5.250	_		_	_	_	5,710,000	_
NAF/AA+/AAA/NAF			STX 2024A-2	2/8/2024	6,015,000	5/15/2058	5.250						6,015,000	
NAF/AA+/AAA/NAF			STX 2024A-2	2/8/2024	8,200,000	5/15/2059	5.250		-	-			8,200,000	
NAF/AA+/AAA/NAF			STX 2024A-2	2/8/2024	8,630,000	5/15/2060	5.250						8,630,000	
NAF/AA+/AAA/NAF			STX 2024A-2	2/8/2024	9,080,000	5/15/2061	5.250		-	-			9,080,000	
NAF/AA+/AAA/NAF			STX 2024A-2	2/8/2024	9,555,000	5/15/2062	5.250						9,555,000	_
NAF/AA+/AAA/NAF			STX 2024A-2	2/8/2024	10,060,000	5/15/2063	5.250						10,060,000	
NAF/AA+/AAA/NAF			STX 2024A-2	2/8/2024	30,110,000	5/15/2064	5.250		-	-			30,110,000	
NAF/AA+/AAA/NAF			STX 2024A-3	2/8/2024	22,050,000	5/15/2063	5.250						22,050,000	_
NAF/AA+/AAA/NAF			STX 2024A-3	2/8/2024	22,960,000	5/15/2064	5.250						22,960,000	
NR/NAF/NAF/NR			HRY 2020A	3/27/2020	33,270,000	11/15/2046	5.000		-	-	33,270,000		22,300,000	
A3/A-/AA/AA		VMIG 1/A-1/F1/N		3/24/2022	33,270,000	11/15/2046	4.000				33,270,000			_
NAF/AA+/AA+/AA+		NAF/SP-1+/F1+/K1		3/20/2024	300,000,000	12/19/2024	5.370	300,000,000			33,270,000			
NAF/AA+/AA+/AA+		NAF/SP-1+/F1+/K1		3/20/2024	50,000,000	12/19/2024	5.250	50,000,000	-	-				
NAF/AA+/AA+/AA+		NAF/SP-1+/F1+/K1		3/20/2024	50,000,000	12/19/2024	5.290	50,000,000		_	_	_	_	_
NAF/AA+/AA+/AA+		NAF/SP-1+/F1+/K1		3/20/2024	50,000,000	12/19/2024	5.350	50,000,000						
NAF/AA+/AA+/AA+		NAF/SP-1+/F1+/K1		3/20/2024	50,000,000	12/19/2024	5.500	50,000,000						
NAF/AA+/AA+/AA+		NAF/SP-1+/F1+/K1		3/20/2024	300,000,000	3/15/2027	5.000	50,000,000					300.000.000	
A3/A-/AA/AA		NAI/31-11/111/K1	TRB 2024A	3/27/2024	9,790,000	11/15/2028	5.000		-	-			9,790,000	
A3/A-/AA/AA			TRB 2024A	3/27/2024	10,145,000	11/15/2029	5.000						10,145,000	_
A3/A-/AA/AA			TRB 2024A	3/27/2024	25,550,000	11/15/2030	5.000			_	_	_	25,550,000	_
A3/A-/AA/AA	1		TRB 2024A	3/27/2024	48,450,000	11/15/2031	5.000		-	-			48,450,000	
A3/A-/AA/AA			TRB 2024A	3/27/2024	48,690,000	11/15/2032	5.000						48,690,000	
A3/A-/AA/AA			TRB 2024A	3/27/2024	39,300,000	11/15/2032	5.000	_		_	_	_	39,300,000	
A3/A-/AA/AA			TRB 2024A	3/27/2024	54,975,000	11/15/2034	5.000		-	-			54,975,000	
A3/A-/AA/AA			TRB 2024A	3/27/2024	26,970,000	11/15/2035	5.000						26,970,000	
A3/A-/AA/AA			TRB 2024A	3/27/2024	56.000.000	11/15/2036	5.000						56,000,000	
A3/A-/AA/AA			TRB 2024A	3/27/2024	37,830,000	11/15/2037	5.000						37,830,000	
A3/A-/AA/AA			TRB 2024A	3/27/2024	11,400,000	11/15/2038	5.000						11,400,000	
A3/A-/AA/AA			TRB 2024A	3/27/2024	43,325,000	11/15/2038	4.000						43,325,000	
A3/A-/AA/AA			TRB 2024A	3/27/2024	41,355,000	11/15/2039	5.000	_		_	_	_	41,355,000	
A3/A-/AA/AA			TRB 2024A	3/27/2024	26,985,000	11/15/2039	5.000						26,985,000	
A3/A-/AA/AA			TRB 2024A	3/27/2024	11,120,000	11/15/2040	5.000	-			-	-	11,120,000	-
A3/A-/AA/AA			TRB 2024A	3/27/2024	42,155,000	11/15/2041	4.000	•	•	-		-	42,155,000	•
A3/A-/AA/AA			TRB 2024A	3/27/2024	55,025,000	11/15/2041	4.000	•	•	-		-	55,025,000	•
A3/A-/AA/AA			TRB 2024A	3/27/2024	25,500,000	11/15/2042	5.000	-	-	-	-	-	25,500,000	-
A3/A-/AA/AA			TRB 2024A	3/27/2024	31,220,000	11/15/2043	4.000	-	-	-	-	-	31,220,000	-
A3/A-/AA/AA			TRB 2024A	3/27/2024	72,365,000	11/15/2043	5.000	-	-	-	-	-	72,365,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2024A	3/27/2024	14,615,000	11/15/2044	5.000	-	-	-	-	-	72,365,000 14,615,000	-
A3/A-/AA/AA A3/A-/AA/AA			TRB 2024A	3/27/2024	49,780,000	11/15/2045	5.000	-	-	-	-	-	49,780,000	-
			TRB 2024A TRB 2024A					-	-	-	-	-		-
A3/A-/AA/AA				3/27/2024	136,135,000	11/15/2047	5.500	-	-	-	-	-	136,135,000	-
A3/A-/AA/AA			TRB 2024A	3/27/2024	186,340,000	11/15/2048	4.000	-	-	-	-	-	186,340,000	-
A3/A-/AA/AA A3/A-/AA/AA	A A A A A A A A A A A A A A A A A A A	VMIG 1/A-1+/F1+/N	TRB 2024A IR TRB 2020B	3/27/2024	184,240,000 72,940,000	11/15/2049 11/15/2046	5.250 4.000	-	-	-	-	72,940,000	184,240,000 72,940,000	-
				3/20/2024				7.050.000	-	-	-			-
A3/A-/AA/AA		VMIG 1/A-1/F1/N		3/28/2024	7,050,000	11/1/2024	4.000	7,050,000	-	-	-	7,050,000		7 225 055
A3/A-/AA/AA		VMIG 1/A-1/F1/N		3/28/2024	7,325,000	11/1/2025	4.000	-	-	-	-	7,325,000		7,325,000
A3/A-/AA/AA		VMIG 1/A-1/F1/N		3/28/2024	7,625,000	11/1/2026	4.000 4.000	-	-	-	-	7,625,000		7,625,000 7,925,000
A3/A-/AA/AA	A Aa3/AA/AAA/NR	VMIG 1/A-1/F1/N	TRB 2005D-1	3/28/2024	7,925,000	11/1/2027	4.000	-	-	-	-	7,925,000	7,925,000	7,925,000

Total Bonds and Notes Issued in 2024

8,015,225,000

Disclosure for Fisc	cal Year Ended 12/	/31/2024	Total Bonds and No	tes Issued in 2024	8,015,225,000									
			New Money Bonds and No	tes Issued in 2024	4,800,940,000	Е		1						
		Į	Refunding Bonds and No	tes Issued in 2024	3,214,285,000	L	Total	1,702,930,000	5,273,530,000	-	80,890,000	566,165,000	45,980,577,500	1,870,555,000
	Credit Supported L T										Amount	Amount		
Underlying L T Ratings Mdy/S&P/Ftch/Krll	Ratings Mdy/S&P/Ftch/Krll	S T Ratings Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	Amount Matured in 2024	Amount Defeased in 2024	Amount Called in 2024	Redeemed in 2024	Refinanced in 2024	Amount Outstanding as of December 31, 2024	Amount Swapped as of December 31, 2024
A3/A-/AA/AA	Aa3/AA/AAA/NR	VMIG 1/A-1/F1/NR	TRB 2005D-1	3/28/2024	54,650,000	11/1/2033	4.000	-	-	-	-	54,650,000	54,650,000	54,650,000
A3/A-/AA/AA			TRB 2005D-1	3/28/2024	10,425,000	11/1/2034	4.000	-	-	-	-	10,425,000		10,425,000
A3/A-/AA/AA NAF/AA+/AA+/AA+	Aa3/AA/AAA/NR	VMIG 1/A-1/F1/NR	TRB 2005D-1 PMT 2024B-1	3/28/2024 5/20/2024	10,825,000 12,975,000	11/1/2035 5/15/2045	4.000 5.000	-	-	-	-	10,825,000	10,825,000 12,975,000	10,825,000
NAF/AA+/AA+/AA+			PMT 2024B-1	5/20/2024	10,100,000	5/15/2045	5.000		-	-	-		10,100,000	
NAF/AA+/AA+/AA+			PMT 2024B-1	5/20/2024	152,450,000	5/15/2053	5.250		-	-	-	-	152,450,000	-
NAF/AA+/AA+/AA+			PMT 2024B-1	5/20/2024	128,715,000	5/15/2054	5.250		-	-	-	-	128,715,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2024B-1 PMT 2024B-1	5/20/2024 5/20/2024	37,500,000 37,500,000	5/15/2053 5/15/2054	4.125 4.125		-	-	-	-	37,500,000 37,500,000	-
NAF/AA+/AA+/AA+			PMT 2024B-3 Refunding Bonds	5/20/2024	18,860,000	11/15/2041	5.000	-	_	_	-	-	18,860,000	
NAF/AA+/AA+/AA+			PMT 2024B-3 Refunding Bonds	5/20/2024	42,605,000	11/15/2042	5.000	-	-	-	-	-	42,605,000	-
NAF/AA+/AA+/AA+			PMT 2024B-3 Refunding Bonds	5/20/2024	51,080,000	11/15/2043	5.000		-	-	-	-	51,080,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2024B-2 (2031 Balloon) PMT 2024B-2 (2031 Balloon)	5/20/2024 5/20/2024	18,100,000 19,000,000	5/15/2052 5/15/2053	5.000 5.000		-	-	-		18,100,000 19,000,000	
NAF/AA+/AA+/AA+			PMT 2024B-2 (2031 Balloon)	5/20/2024	19,950,000	5/15/2054	5.000	-		-	-	-	19,950,000	-
NAF/AA+/AA+/AA+			PMT 2024B-2 (2031 Balloon)	5/20/2024	20,950,000	5/15/2055	5.000		-	-	-	-	20,950,000	-
NAF/AA+/AA+/AA+			PMT 2024B-2 (2031 Balloon)	5/20/2024	22,000,000	5/15/2056	5.000		-	-	-	-	22,000,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2024C PMT 2024C	7/10/2024 7/10/2024	10,000,000 10,000,000	11/15/2030 11/15/2031	5.000 5.000		-	-	-		10,000,000 10,000,000	
NAF/AA+/AA+/AA+			PMT 2024C	7/10/2024	10,000,000	11/15/2032	5.000		-		-	-	10,000,000	
NAF/AA+/AA+/AA+			PMT 2024C	7/10/2024	120,190,000	11/15/2033	5.000		-	-	-	-	120,190,000	-
NAF/AA+/AA+/AA+			PMT 2024C	7/10/2024	127,710,000	11/15/2034	5.000	-	-	-	-	-	127,710,000	-
NAF/AA+/AA+/AA+ NAF/AA+/AA+/AA+			PMT 2024C PMT 2024C	7/10/2024 7/10/2024	105,420,000 117,230,000	11/15/2035 11/15/2036	5.000 5.000		-	-	-		105,420,000 117,230,000	
NAF/AA+/AA+/AA+			PMT 2024C	7/10/2024	118,670,000	11/15/2037	5.000		-	-	-		118,670,000	
NAF/AA+/AA+/AA+			PMT 2024C	7/10/2024	122,400,000	11/15/2038	5.000		-	-	-	-	122,400,000	-
NAF/AA+/AA+/AA+			PMT 2024C	7/10/2024	28,485,000	11/15/2039	5.000	-	-	-	-	-	28,485,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2024A DTF 2024A	7/23/2024 7/23/2024	5,875,000 6,170,000	11/15/2025 11/15/2026	5.000 5.000	-	-	-	-	-	5,875,000 6,170,000	-
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	6,480,000	11/15/2020	5.000		-	-	-		6,480,000	
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	6,805,000	11/15/2028	5.000		-	-	-	-	6,805,000	-
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	7,145,000	11/15/2029	5.000	-	-	-	-	-	7,145,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2024A DTF 2024A	7/23/2024 7/23/2024	7,500,000 7,875,000	11/15/2030 11/15/2031	5.000 5.000	-	-	-	-	-	7,500,000 7,875,000	-
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	8,270,000	11/15/2031	5.000		-	-	-	-	8,270,000	
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	8,685,000	11/15/2033	5.000		-	-	-	-	8,685,000	-
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	9,115,000	11/15/2034	5.000	-	-	-	-	-	9,115,000	-
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	9,575,000	11/15/2035	5.000		-	-	-	-	9,575,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2024A DTF 2024A	7/23/2024 7/23/2024	10,050,000 10,555,000	11/15/2036 11/15/2037	5.000 5.000	-	-	-	-	-	10,050,000 10,555,000	
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	11,080,000	11/15/2038	5.000	-	-	-	-	-	11,080,000	-
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	11,635,000	11/15/2039	5.000		-	-	-	-	11,635,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2024A DTF 2024A	7/23/2024 7/23/2024	12,220,000 12,830,000	11/15/2040 11/15/2041	5.000 5.000		-	-	-	-	12,220,000 12,830,000	-
NAF/AA/AA/NAF			DTF 2024A DTF 2024A	7/23/2024	13,470,000	11/15/2041	5.250	-	-	-	-	-	13,470,000	
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	14,175,000	11/15/2043	5.000	-	-	-	-	-	14,175,000	-
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	14,885,000	11/15/2044	5.000		-	-	-	-	14,885,000	-
NAF/AA/AA/NAF			DTF 2024A DTF 2024A	7/23/2024	15,630,000	11/15/2045	5.250 4.000	-	-	-	-	-	15,630,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2024A	7/23/2024 7/23/2024	16,450,000 17,110,000	11/15/2046 11/15/2047	5.000	-	-	-	-	-	16,450,000 17,110,000	
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	17,965,000	11/15/2048	5.000	-	-	-	-	-	17,965,000	-
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	18,860,000	11/15/2049	5.000	-	-	-	-	-	18,860,000	-
NAF/AA/AA/NAF NAF/AA/AA/NAF			DTF 2024A DTF 2024A	7/23/2024	19,805,000	11/15/2050 11/15/2051	4.000 4.000	-	-	-	-	-	19,805,000	-
NAF/AA/AA/NAF			DTF 2024A DTF 2024A	7/23/2024 7/23/2024	20,595,000 21.420.000	11/15/2051	4.000 5.250	-	-	-	-	-	20,595,000 21,420,000	
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	22,545,000	11/15/2053	5.250	-	-	-	-	-	22,545,000	-
NAF/AA/AA/NAF			DTF 2024A	7/23/2024	23,730,000	11/15/2054	5.250	-	-	-	-	-	23,730,000	-
NR/NAF/NAF/NR			HRY 2020A	3/27/2020	7,175,000	11/15/2046	5.000	-	-	-	7,175,000	-	-	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2024A-1 TBTA 2024A-1	8/21/2024 8/21/2024	11,295,000 11,860,000	11/15/2035 11/15/2038	5.000 5.000	-	-	-	-	-	11,295,000 11,860,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-1	8/21/2024	12,450,000	11/15/2039	5.000		-	-	-	-	12,450,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-1	8/21/2024	13,080,000	11/15/2040	5.000		-	-	-	-	13,080,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-1	8/21/2024	13,730,000	11/15/2041	5.000	-	-	-	-	-	13,730,000	-
Aa3/AA-/AA-/AA Aa3/AA-/AA-/AA			TBTA 2024A-1 TBTA 2024A-1	8/21/2024 8/21/2024	14,415,000 15,135,000	11/15/2042 11/15/2043	5.000 5.000	-	-	-	-	-	14,415,000 15,135,000	•
Aa3/AA-/AA-/AA			TBTA 2024A-1	8/21/2024	15,895,000	11/15/2043	5.000		-	-	-	-	15,895,000	=
Aa3/AA-/AA-/AA			TBTA 2024A-1	8/21/2024	6,410,000	11/15/2045	5.000	-	-	-	-	-	6,410,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-1	8/21/2024	12,065,000	11/15/2047	5.250	-	-	-	-	-	12,065,000	÷
Aa3/AA-/AA-/AA Aa3/AA-/AA-AA			TBTA 2024A-1 TBTA 2024A-1	8/21/2024 8/21/2024	12,695,000 13,365,000	11/15/2048 11/15/2049	5.250 5.250		-	-	-	-	12,695,000 13,365,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-1 TBTA 2024A-1	8/21/2024	14,070,000	11/15/2049	5.250	-	-	-	-	-	14,070,000	-
			====	., , .=.	,,	,							,,	

Total Bonds and Notes Issued in 2024	8,015,225,000
New Money Bonds and Notes Issued in 2024	4,800,940,000
Refunding Bonds and Notes Issued in 2024	3.214.285.000

			Kerunding bonds and N	lotes issued in 2024	3,214,285,000	_	Total	1,702,930,000	5,273,530,000		80,890,000	300,103,000	45,980,577,500	1,870,555,000
	Credit Supported L T										Amount	Amount		
Underlying L T Ratings	Ratings	S T Ratings						Amount Matured in	Amount Defeased	Amount Called in	Redeemed in	Refinanced in	Amount Outstanding as	Amount Swapped as of
Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	Mdy/S&P/Ftch/Krll	<u>Series</u>	Date Issued	Amount Issued	Maturity	Coupon	2024	in 2024	2024	2024	2024	of December 31, 2024	December 31, 2024
Aa3/AA-/AA-/AA			TBTA 2024A-1	8/21/2024	14,805,000	11/15/2051	5.250	-	-	-	-	-	14,805,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-1	8/21/2024	40,620,000	11/15/2052	4.000	-	-	-	-	-	40,620,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-1		42,245,000	11/15/2053	4.000						42,245,000	_
Aa3/AA-/AA-/AA			TBTA 2024A-1		43,935,000	11/15/2054	4.000	_				_	43,935,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-2		8,530,000	11/15/2025	5.000		_				8,530,000	_
Aa3/AA-/AA-/AA			TBTA 2024A-2		9,075,000	11/15/2026	5.000						9,075,000	
Aa3/AA-/AA-/AA			TBTA 2024A-2		2,350,000	11/15/2027	5.000						2,350,000	
									-	-	-	-		-
Aa3/AA-/AA-/AA			TBTA 2024A-2		2,665,000	11/15/2028	5.000		-	-	-	-	2,665,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-2		10,350,000	11/15/2029	5.000		-	-	-	-	10,350,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-2		18,435,000	11/15/2030	5.000		-	-	-	-	18,435,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-2		19,565,000	11/15/2031	5.000		-	-	-	-	19,565,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-2	8/21/2024	20,795,000	11/15/2032	5.000	-	-	-	-	-	20,795,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-2	8/21/2024	22,085,000	11/15/2033	5.000	-	-	-	-	-	22,085,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-2	8/21/2024	23,450,000	11/15/2034	5.000	-	-	-	-	-	23,450,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-2	8/21/2024	24,900,000	11/15/2035	5.000	-	-	-	-	-	24,900,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-2	8/21/2024	26,435,000	11/15/2036	5.000	-	-	-	-	-	26,435,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-2		28,070,000	11/15/2037	5.000						28,070,000	_
Aa3/AA-/AA-/AA			TBTA 2024A-2		29,815,000	11/15/2038	5.000					_	29,815,000	_
Aa3/AA-/AA-/AA			TBTA 2024A-2		31,655,000	11/15/2039	5.000		_				31,655,000	_
Aa3/AA-/AA-/AA			TBTA 2024A-2		45,800,000	11/15/2040	5.000						45,800,000	
Aa3/AA-/AA-/AA			TBTA 2024A-2		25,240,000	11/15/2040	5.000						25,240,000	
									-	-	-	-		-
Aa3/AA-/AA-/AA			TBTA 2024A-2		13,315,000	11/15/2042	5.000		-	-	-	-	13,315,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-2		13,980,000	11/15/2043	5.000		-	-	-	-	13,980,000	-
Aa3/AA-/AA-/AA			TBTA 2024A-2		14,680,000	11/15/2044	5.000		-	-	-	-	14,680,000	-
A3/A-/AA/AA	Aa1/AA/AAA/NR	VMIG 1/A-1+/F1+/NR			7,175,000	11/15/2046	4.000		-	-	7,175,000	-	-	-
NAF/AA/AA/NAF			DTF 2024B-1		43,550,000	11/15/2040	5.000		-	-	-	-	43,550,000	-
NAF/AA/AA/NAF			DTF 2024B-1		45,730,000	11/15/2041	5.000		-	-	-	-	45,730,000	-
NAF/AA/AA/NAF			DTF 2024B-1	10/9/2024	48,015,000	11/15/2042	5.000	-	-	-	-	-	48,015,000	-
NAF/AA/AA/NAF			DTF 2024B-1	10/9/2024	50,415,000	11/15/2043	5.000	-	-	-	-	-	50,415,000	-
NAF/AA/AA/NAF			DTF 2024B-1	10/9/2024	52,935,000	11/15/2044	5.000	-	-	-	-	-	52,935,000	-
NAF/AA/AA/NAF			DTF 2024B-1	10/9/2024	55,585,000	11/15/2045	5.000	-	-	-	-	-	55,585,000	-
NAF/AA/AA/NAF			DTF 2024B-1		58,365,000	11/15/2049	5.000						58,365,000	-
NAF/AA/AA/NAF			DTF 2024B-1		61,280,000	11/15/2050	5.000						61,280,000	_
NAF/AA/AA/NAF			DTF 2024B-1		64,345,000	11/15/2051	5.000						64,345,000	_
NAF/AA/AA/NAF			DTF 2024B-1		67,560,000	11/15/2052	5.000						67,560,000	
			DTF 2024B-1		70,940,000	11/15/2052	4.000		-		-	-	70,940,000	-
NAF/AA/AA/NAF						11/15/2053				-	-	-		-
NAF/AA/AA/NAF			DTF 2024B-1		73,770,000		4.000		-	-	-	-	73,770,000	-
NAF/AA/AA/NAF			DTF 2024B-2 Refunding Bonds		54,475,000	11/15/2046	5.000		-	-	-	-	54,475,000	-
NAF/AA/AA/NAF			DTF 2024B-2 Refunding Bonds		57,195,000	11/15/2047	5.000		-	-	-	-	57,195,000	-
NAF/AA/AA/NAF			DTF 2024B-2 Refunding Bonds		60,055,000	11/15/2048	5.000		-	-	-	-	60,055,000	-
A3/A-/AA/AA			TRB 2024E		26,650,000	11/15/2030	5.000	-	-	-	-	-	26,650,000	-
A3/A-/AA/AA			TRB 2024E	10/29/2024	17,155,000	11/15/2031	5.000	-	-	-	-	-	17,155,000	-
A3/A-/AA/AA			TRB 2024E	10/29/2024	18,005,000	11/15/2032	5.000		-	-	-	-	18,005,000	-
A3/A-/AA/AA			TRB 2024E	10/29/2024	71,425,000	11/15/2033	5.000	-	-	-	-	-	71,425,000	-
A3/A-/AA/AA			TRB 2024E	10/29/2024	72,845,000	11/15/2034	5.000	-	-	-	-	-	72,845,000	-
A3/A-/AA/AA			TRB 2024E		19,650,000	11/15/2035	5.000						19,650,000	-
A3/A-/AA/AA			TRB 2024E		8,470,000	11/15/2036	5.000					_	8,470,000	_
A3/A-/AA/AA			TRB 2024E		37,865,000	11/15/2037	5.000				-	-	37,865,000	-
A3/A-/AA/AA			TRB 2024E		39,750,000	11/15/2037	5.000		_	_	-	_	39,750,000	
						11/15/2038			•	-	-	-		-
A3/A-/AA/AA			TRB 2024E		41,005,000		5.000		-	-	-	-	41,005,000	-
A3/A-/AA/AA			TRB 2024E		23,060,000	11/15/2040	5.000		-	-	-	-	23,060,000	-
A3/A-/AA/AA			TRB 2024E		24,155,000	11/15/2041	5.000		-	-	-	-	24,155,000	-
A3/A-/AA/AA			TRB 2024E		25,310,000	11/15/2042	5.000		-	-	-	-	25,310,000	-
A3/A-/AA/AA			TRB 2024E	10/29/2024	16,510,000	11/15/2043	4.000	-	-	-	-	-	16,510,000	-
A3/A-/AA/AA			TRB 2024E	10/29/2024	10,000,000	11/15/2043	5.000	-	-	-	-	-	10,000,000	-
A3/A-/AA/AA			TRB 2024E	10/29/2024	27,605,000	11/15/2044	4.000	-	-	-	-	-	27,605,000	-
A1/NAF/A+/NAF	NR/NR/NR/NR	MIG 1/NR/F1+/NR	TBTA 2nd SUB 2024A BANs	12/23/2024	186,000,000	12/1/2025	5.000	-	-	-	-	-	186,000,000	-
	, ,,	- , , = ,	===	,	,,								,,	

1,702,930,000

5,273,530,000

80,890,000

566,165,000

45,980,577,500

1,870,555,000

INTEREST RATE EXCHANGE AGREEMENTS-MTA

As of December 31, 2024 (\$ in millions)

	Metropolitan Transportation Authority													
Related Bonds	Notional Amount as of 12/31/24	Effective Date	Maturity Date	Terms	Counterparty and Ratings (S&P / Moody's/ Fitch)	Fair Value as of 12/31/24								
TRB 2002D-2	\$ 200.000	1/1/2007	11/1/2032	Pay 4.45%; receive 69% SOFR + 0.079%	JPMorgan Chase Bank, NA (AA- / Aa2 / AA)	(\$ 19.676)								
TRB 2005D & 2005E	197.595	11/2/2005	11/1/2035	Pay 3.561%; receive 67% SOFR + 0.0767%	UBS AG (A+ / Aa2 / A+)	(8.528)								
TRB 2005E	65.865	11/2/2005	11/1/2035	Pay 3.561%; receive 67% SOFR + 0.0767%	AIG Financial Products ⁽¹⁾ (BBB+ / Baa2 / BBB+)	(2.843)								
TRB 2012G	354.100	11/15/2012	11/1/2032	Pay 3.563%; receive 67% SOFR + 0.0767%	JPMorgan Chase Bank, NA (AA- / Aa2 / AA)	(17.212)								
DTF 2008A	207.025	3/24/2005	11/1/2031	Pay 3.3156%; receive 67% SOFR + 0.0767%	Bank of New York Mellon (AA- / Aa1 / AA)	(4.335)								
Total	\$ 1,024.585					(\$ 52.594)								

¹Guarantor: American International Group, Inc., parent of AIG Financial Products.

INTEREST RATE EXCHANGE AGREEMENTS-TBTA

As of December 31, 2024 (\$ in millions)

	1		MTA Bridge	es and Tunnels	1	
Related Bonds	Notional Amount as of 12/31/24	Effective Date	Maturity Date	Terms	Counterparty and Ratings (S&P / Moody's / Fitch)	Fair Value as of 12/31/24
TBTA 2018E & 2003B ⁴	\$174.700	7/7/2005	1/1/2032	Pay 3.076%; receive 67% SOFR + 0.0767%	Citibank, N.A. (A+ / Aa3/ A+)	(\$ 2.876)
TBTA 2005B-2	174.700	7/7/2005	1/1/2032	Pay 3.076%; receive 67% SOFR + 0.0767%	JPMorgan Chase Bank, NA (AA- / Aa2 / AA)	(2.876)
TBTA 2005B-3	174.700	7/7/2005	1/1/2032	Pay 3.076%; receive 67% SOFR + 0.0767%	BNP Paribas North America ¹ (A+ / A1 / AA-)	(2.876)
TBTA 2005B-4	174.700	7/7/2005	1/1/2032	Pay 3.076%; receive 67% SOFR + 0.0767%	UBS AG (A+ / Aa2 / A+)	(2.876)
TRB 2002G-1 & PMT 2022E TBTA 2005A & 2001C ^{2, 5}	67.375 ³	4/1/2016	1/1/2030	Pay 3.52%; receive 67% SOFR + 0.0767%	U.S. Bank N.A. (A+ / A2/ A+)	$(1.033)^3$
TRB 2002G-1 & PMT 2022E TBTA 2005A & 2001C ^{2,5}	67.375 ³	4/1/2016	1/1/2030	Pay 3.52%; receive 67% SOFR + 0.0767%	Wells Fargo Bank, N.A. (A+ / Aa2 / AA-)	$(1.033)^3$
Total	\$ 833.550		-	•	•	(\$ 13.570)

¹Guarantor: BNP Paribas.

²Between November 22, 2016 and December 5, 2016, the Variable Rate Certificates of Participation, Series 2004A were redeemed. Corresponding notional amounts from the Series 2004A COPs were reassigned to MTA Bridges and Tunnels General Revenue Variable Rate Bonds, Series 2001C.

³Pursuant to an Interagency Agreement (following novations from UBS in April 2016), MTA New York City Transit is responsible for 68.7%, MTA is responsible for 21.0%, and TBTA is responsible for 10.3% of the transaction. On November 1, 2022 the 2011B were refunded with 2022-E2a bonds. The portion of the U.S. Bank and Wells Fargo Swap associated with 2011B bonds were allocated to the 2022E-2a bonds.

⁴On October 27, 2021 the 2002F bonds were changed to fixed-rate mode and a portion of the Citi swap was reassigned to the 2018E bonds.

⁵On November 1, 2022 the TRB Series 2011B bonds were refunded with the PMT Series 2022E-2a bonds, and the portion of the U.S. Bank and Wells Fargo swaps associated with the 2011B bonds were allocated to the PMT 2022E bonds.

COST OF ISSUANCE - 2024¹²³

Series	TRB 2024A	TRB 2024B	DTF 2024A	DTF 2024B	TBTA Sales Tax 2024A	TBTA 2024A	Sub Total ³
Date Issued	3/27/2024	10/29/2024	7/23/2024	10/9/2024	2/8/2024	8/21/2024	
Issue Amount	\$1,289,260,000	\$479,460,000	\$388,505,000	\$864,215,000	\$1,650,295,000	\$699,260,000	\$5,370,995,000
Financial Advisor	170,000	85,000	85,000	85,000	85,000	85,000	\$595,000
Bond Insurance	887,873	0	0	0	0	0	\$887,873
Underwriter's Discount/ Counsel	5,852,480	2,171,616	1,758,226	1,896,981	7,590,349	3,171,197	\$22,440,849
Bond Counsel	270,000	200,000	274,500	270,000	350,000	400,000	\$1,764,500
Disclosure Counsel	135,000	125,000	135,000	125,000	150,000	185,000	\$855,000
Rating Agency	393,926	242,946	88,851	166,422	275,030	304,926	\$1,472,101
Verification/Auction Agent	5,000	1,250	1,500	1,100	0	1,450	\$10,300
Trustee	9,500	9,500	5,000	4,250	9,500	5,000	\$42,750
Printing and Distribution	7,000	4,750	5,000	3,650	7,000	5,250	\$32,650
Green Bond Certification	12,893	4,795	3,885	8,642	0	0	\$30,215
Independent Engineer and Miscellaneous	1,250	3,184	1,000	1,000	1,000	180,809	\$188,243
Total	\$7,744,922	\$2,848,041	\$2,357,962	\$2,562,045	\$8,467,879	\$4,338,632	\$28,319,481

¹ Includes cost of issuance estimates when actual data is not available.

² In addition to the cost of issuance related to bonds and notes issued in 2024 as detailed in the table above, MTA incurred \$304,758 of cost of issuance related to variable rate bond remarketings and \$18.6 million of on-going debt support costs, which include liquidity fees on letters of credit, rating agency surveillance fees, remarketing agent fees, and trustee fees.

³ Totals may not add due to rounding.

⁴ NYS Bond issuance fee (BIC) of \$3.50 per \$1,000 issued (if more than \$20 million in par is issued) is charged for new money bonds transactions, but not on refunding bond transactions, bond anticipation notes (new money proceeds) or remarketing transactions; BIC fees have been waived by NYS DOB on all MTA bond transactions since 2018 and thus are not listed above.

COST OF ISSUANCE - 2024¹²³

Series	TBTA Second Sub BANs 2024A	PMT BANs 2024A	PMT BANs 2024B	TBTA PMT 2024A	TBTA PMT 2024B	ТВТА РМТ 2024C	Sub Total	Total ³
Date Issued	12/23/2024	3/20/2024	3/20/2024	1/25/2024	5/20/2024	7/10/2024		
Issue Amount	\$186,000,000	\$500,000,000	\$300,000,000	\$296,340,000	\$591,785,000	\$770,105,000	\$2,644,230,000	\$8,015,225,000
Financial Advisor	87,000	85,000	85,000	167,000	255,000	85,000	\$764,000	\$1,359,000
Bond Insurance	0	0	0	0	0	0	\$0	\$887,873
Underwriter's Discount/ Counsel	30,850	47,000	524,917	2,280,715	2,473,203	3,481,424	\$8,838,109	\$31,278,958
Bond Counsel	350,000	355,000	250,000	300,000	370,000	390,000	\$2,015,000	\$3,779,500
Disclosure Counsel	200,000	170,000	120,000	100,000	185,000	185,000	\$960,000	\$1,815,000
Rating Agency	31,750	43,000	57,000	94,634	144,179	182,011	\$552,574	\$2,024,675
Verification/Auction Agent	0	0	0	0	1,500	2,500	\$4,000	\$14,300
Trustee	5,000	10,000	10,000	5,000	5,000	5,000	\$40,000	\$82,750
Printing and Distribution	4,500	4,500	4,000	5,500	5,000	5,000	\$28,500	\$61,150
Green Bond Certification	0	0	0	3,000	5,918	7,701	\$16,619	\$46,834
Independent Engineer and Miscellaneous	79,000	32,500	19,500	1,000	1,000	1,000	\$134,000	\$322,243
Total	\$788,100	\$747,000	\$1,070,417	\$2,956,849	\$3,445,800	\$4,344,636	\$13,352,802	\$41,672,283

¹ Includes cost of issuance estimates when actual data is not available.

² In addition to the cost of issuance related to bonds and notes issued in 2024 as detailed in the table above, MTA incurred \$304,758 of cost of issuance related to variable rate bond remarketings and \$18.6 million of on-going debt support costs, which include liquidity fees on letters of credit, rating agency surveillance fees, remarketing agent fees, and trustee fees.

³ Totals may not add due to rounding.

⁴ NYS Bond issuance fee (BIC) of \$3.50 per \$1,000 issued (if more than \$20 million in par is issued) is charged for new money bonds transactions, but not on refunding bond transactions, bond anticipation notes (new money proceeds) or remarketing transactions; BIC fees have been waived by NYS DOB on all MTA bond transactions since 2018 and thus are not listed above.