

FITCH RATES NEW YORK CITY MUNI WATER FIN AUTH'S WATER AND SEWER REVS 'AA+'; OUTLOOK STABLE

Fitch Ratings-New York-19 June 2019: Fitch Ratings has assigned a 'AA+' rating to the following New York City Municipal Water Finance Authority's (NYW, or the authority) revenue bonds:

- Approximately \$450 million water and sewer system second general resolution (SGR) revenue refunding bonds, fiscal 2020 series AA; and
- Approximately \$400 million water and sewer system second general resolution (SGR) revenue bonds, fiscal 2020 series BB.

The fiscal 2020 series AA bonds are scheduled to sell via negotiation the week of June 24 and refund certain outstanding SGR bonds for interest savings and pay costs of issuance. The fiscal 2020 series BB bonds are scheduled to sell via negotiation the week of July 8 and proceeds will be used to pay costs of improvements to the New York City water and sewer system (the system) and to pay costs of issuance.

SECURITY

The fiscal 2020 series AA and BB bonds are special obligations of the NYW issued under the SGR and payable solely from and secured by a subordinate lien on gross revenues of NYW. The fiscal 2020 series AA and BB bonds will not have debt service reserve funds.

KEY RATING DRIVERS

SOUND LEGAL PROTECTIONS: NYW's legal structure enhances protection to bondholders from potential risks associated with the system and the city.

REGIONAL PROVIDER OF AN ESSENTIAL SERVICE: The system provides an essential service to an exceptionally large, diverse and economically important service area. Customers benefit from an abundant, high-quality water supply that is predominantly exempt from expensive filtration requirements and extensive transmission costs.

ROBUST REVENUE DEFENSIBILITY: Strong financial management and a proven ability and willingness to raise rates is reflected in consistently solid financial results, which includes all-in annual debt service coverage (DSC) from net revenues exceeding 2.4x since fiscal 2013. The New York City Water Board's (the water board) independent rate-setting authority remains an important consideration.

HIGH LEVERAGE: NYW's debt levels are high, stemming from substantial issuances to date to support the system's large regulatory compliance mandates and aging assets. Sizable debt issuances programmed into the current capital plan will keep the authority's debt levels elevated for the long term.

WELL-MANAGED, LARGE CAPITAL PROGRAM: Sophisticated capital planning efforts have helped achieve compliance with large and costly mandated regulatory projects and have ensured the system's extensive assets are adequately maintained.

RATING SENSITIVITIES

MAINTENANCE OF SUFFICIENT RATES: The inability for the New York City Water Board to establish rates sufficient to ensure the continuation of the New York City Municipal Water Finance Authority's strong financial margins and currently robust debt service coverage levels on senior and subordinate lien obligations would be viewed negatively.

CREDIT PROFILE

The authority was created as a public benefit corporation in 1984 in order to issue bonds, notes and other financing instruments to fund capital improvements to the system. The authority may not file for bankruptcy without state legislative approval and is bankruptcy-remote from New York City.

The New York City Department of Environmental Protection (DEP) is the system's operating agency, responsible for performing day-to-day operational and maintenance requirements to keep the assets in a state of good repair. Capital and maintenance needs are expected to remain extremely large over time given the demand placed on aging system assets in an expansive urban setting.

The water board is responsible for setting, levying and collecting customer rates and system revenues to transfer to the authority for bond repayment and DEP operations and maintenance (O&M) reimbursement. The water board is also bankruptcy-remote from the city of New York.

STRONG LEGAL PROTECTIONS SUPPORT RATING

Fitch believes NYW bondholders benefit from strong legal protections that include:

- The statutorily defined nature of the authority;
- Ownership of system revenues by the bankruptcy-remote water board, which sets rates independently without city council approval;
- Collection of revenues in a lockbox structure controlled by the trustee, which are used to pay debt service of first general resolution (FGR) and SGR bonds before system O&M expenses and any lease payment to the city.

While these layers of legal protection do not completely shield FGR and SGR bondholders from the operational risks of the city's massive water and sewer enterprise, they limit diversion of revenues to general city operations.

Annual debt service obligations are consistently funded well in advance of scheduled payment dates by the system's revenue fund, which consists of both current year revenues and carry-forward surplus cash. At the beginning of fiscal 2018, the revenue fund contained \$1.2 billion, enough to pre-pay roughly two thirds of that year's combined gross FGR and SGR debt service. At year-end fiscal 2018, the carryforward revenues totaled \$956 million, or nearly 58% of the projected subsequent fiscal 2019 combined debt service.

Only after monthly required deposits under the SGR are satisfied and held by NYW's trustee will funds be released from the lockbox structure for other purposes, including the cash-defeasance of additional debt service and to pay O&M expenses. In fiscal 2019 the system projects directing up to \$675 million of these available funds toward cash-defeasance of debt and another \$59.4 million towards pay-go capital.

STRONG FINANCIAL AND DEBT MANAGEMENT

Strong financial results continued in fiscal 2018, as demand was marginally higher than the prior year. All-in DSC of the FGR and SGR liens from net operating revenues (after deducting the aforementioned carry-forward revenues) was a strong 6.5x for the year and has averaged 5.0x since

fiscal 2014. When calculated using the system's gross lien on revenues, all-in FGR and SGR fiscal 2018 DSC were 63x and 10x, respectively, above historical levels. Liquidity, when measured by days' cash on hand based on the authority's unrestricted cash on the balance sheet, has been only minimal over time, as nearly all accumulated surplus revenues (per discussion above) are made available to prepay the next year's annual debt service.

Financial projections through fiscal 2023 appear reasonable and assume continued manageable rate increases, sizable annual debt offerings and 1% annual consumption declines. All-in DSC from net revenues is projected to remain strong, or no less than 1.8x through the current planning period (or 3.3x all-in on a gross coverage basis). Annual surpluses are forecast to remain in excess of \$900 million and will continue to pre-fund portions of subsequent years' annual debt service obligations as well as provide for the cash-defeasance of future bond maturities.

SOLID RATE-SETTING HISTORY

As planned, water rates increased by 2.3% in 2020 and the authority's financial projections assume that the board will adopt a 3.8% increase in both fiscal years 2021 and 2022, and a 4.8% increase in fiscal 2023. The average monthly residential bill relative to median household income levels for the service area remains affordable in comparison with utilities of other major cities. Customer payment incentives and strong enforcement mechanisms have yielded positive collection results in recent years.

The projected increases should be manageable for the vast majority of the rate base and preserve NYW's overall flexibility over the medium term. Fitch will continue to monitor the system's ability to set rates sufficient to maintain strong financial margins and currently robust DSC while sustaining rate affordability.

LARGE CAPITAL PROGRAM, LEVERAGED SYSTEM

The financing of the system's significant capital investment needs drive the bulk of NYW's cost of operations. The system's current fiscal 2019-2023 capital improvement plan includes an estimated \$10.4 billion in water and sewer spending that will be primarily funded by additional issuances of long-term debt and bond anticipation notes totaling an estimated \$9.1 billion.

The volume of regulatory-driven projects has decreased to a more manageable level, equal to approximately 25% of total projected capital commitments compared with an average of about 77% over the prior decade. However, funding of non-mandated projects, particularly water treatment and distribution-related upgrades, has increased since 2014.

Debt levels are high, and any escalation beyond current forecast could ultimately pressure NYW's rating. In fiscal 2018 the authority's total debt represented an elevated 105% of net system plant and 13.5x of funds available for debt service, well above Fitch's 'AA' sector medians.

Fitch's assessment of the authority's leverage position is somewhat offset by the protection afforded to bondholders from the gross lien on revenues and the statutory provisions that restrict the authority from filing for bankruptcy protection. Moreover, Fitch believes the demonstrated commitment to raising rates as well as management's conservative budgeting will be key to preserving operating margins and meeting the sizable debt service costs included in NYW's financial forecast.

SOLID SERVICE AREA ECONOMY

The authority's service area includes 8.4 million city (Issuer Default Rating AA/Stable) residents and an additional one million upstate residents. The city's broad economic base and unique role as

a national and international center for commerce, culture and tourism help to ensure the continued stability of the authority's service territory.

The composition of the city's economy contributed to its relative employment stability during the last recession and ability to regain many of the private-sector jobs lost during that period. Unemployment was a low 4.6% in February 2019 and wealth levels approximate state and national levels, although poverty levels, consistent with the large urban nature of the city, are elevated at nearly 20% of the population.

Contact:

Primary Analyst
Doug Scott
Managing Director
+1-512-215-3725
Fitch Ratings, Inc.
111 Congress Ave., Suite 2010
Austin, TX 78701

Secondary Analyst
Andrew DeStefano
Director
+1-212-908-0284

Committee Chairperson
Dennis Pidherny
Managing Director
+1-212-908-0738

Date of Relevant Rating Committee Jan. 8, 2019.

Media Relations: Sandro Scenga, New York, Tel: +1 212 908 0278, Email:
sandro.scenga@thefitchgroup.com.

Additional information is available on www.fitchratings.com

Applicable Criteria

Rating Criteria for Public-Sector, Revenue-Supported Debt -- Effective Feb. 26, 2018 to May 27, 2019 (pub. 26 Feb 2018)

<https://www.fitchratings.com/site/re/10020113>

U.S. Water and Sewer Rating Criteria (pub. 29 Nov 2018)

<https://www.fitchratings.com/site/re/10049877>

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