

RatingsDirect®

Summary:

Massachusetts Clean Water Trust; State Revolving Funds/Pools

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Credit Profile

US\$212.26 mil state revolving fund bnds ser 23B due 02/01/2041		
<i>Long Term Rating</i>	AAA/Stable	New
US\$143.21 mil state revolving fund bnds ser 23A due 02/01/2041		
<i>Long Term Rating</i>	AAA/Stable	New
Massachusetts Clean Wtr Trust (MWRA In prog)		
<i>Long Term Rating</i>	AAA/Stable	Affirmed
Massachusetts Clean Wtr Tr (Pool Ln Prog)		
<i>Long Term Rating</i>	AAA/Stable	Affirmed
Massachusetts Clean Wtr Trust st revolving bnds		
<i>Long Term Rating</i>	AAA/Stable	Affirmed

Rating Action

S&P Global Ratings assigned its 'AAA' long-term rating to the Massachusetts Clean Water Trust's series 23A state revolving fund (SRF) bonds, which are also being issued as green bonds, and series 23B SRF bonds, which are being issued as sustainability bonds. At the same time, we affirmed our 'AAA' long-term rating on the trust's outstanding debt consisting of pool SRF bonds and Massachusetts Water Resources Authority (MWRA) SRF bonds. The outlook is stable.

The trust will use the series 23A and 23B bond proceeds to finance or refinance loans to pool borrowers. The bonds are being issued pursuant to a master trust indenture (MTA bonds). All liens created for all the trust's prior SRF programs are closed.

Bonds issued under the master trust indenture (MTA bonds) are secured by revenue from borrower repayments, commonwealth assistance payments, and an equity fund. The commonwealth's general obligation pledge secures the pledged assistance payments, which total \$166.9 million. Revenue in the equity fund can also be used to cure defaults on the trust's other program bonds. Revenue deposited to the equity fund includes excess revenue not needed to pay debt service on the trust's aggregate program and pool bonds.

The trust's prior SRF programs include the Pool SRF program and MWRA Single Obligor Program. Pool SRF bonds are secured with revenue from borrower repayments, commonwealth assistance payments, and both earnings and principal on various reserve funds. The trust's MWRA SRF bonds are secured primarily with loan repayments from that entity, series reserve funds, reserve earnings, and a deficiency fund.

Credit overview

The long-term rating reflects our view of the trust's strengths, including the combination of its extremely strong enterprise risk and financial risk profiles across all three programs.

The ratings further reflect our view of the trust's:

- Extremely strong enterprise risk profile, given that the pool has ongoing support from multiple levels of government and was established by state statute; and
- Extremely strong financial risk profile, reflected by its loss coverage score (LCS), operating performance, and financial policies.

Because we view securitizations backed by pools of public-sector assets as highly sensitive to country risk, the rating on the securitization is capped at two notches above the sovereign. However, no specific sovereign default stress is applied, given that the U.S. sovereign rating is 'AA+'.

Stable Outlook

The stable outlook reflects our expectation that pledged revenue will continue to provide strong debt service coverage consistent with the rating, given historical trends. Based on those trends, the outlook also reflects our expectation that the trust will maintain a large equity position, and that direct loans making up equity funds will be amortized in a manner consistent with existing loans.

Downside scenario

We could lower the rating within the two-year outlook horizon if pledged assets become insufficient for the rating, in our view, or if any other program factors weaken the enterprise or financial risk profiles.

Credit Opinion

Massachusetts Clean Water Trust's MTA and other program SRFs have about 1,500 outstanding loans involving about 250 unique borrowers. All loans are backed by the participants' general obligation pledge or with water/sewer revenue pledges. The pool's largest borrower is MWRA, representing about 23% of all pool loans outstanding. We do not view this as a credit concern given the trust's own credit strength.

In the case of a pool participant defaulting on loan payments, the trust is authorized to intercept local aid payable to the participant. A regional entity that provides utility services (such as MWRA) can also intercept a local government's aid payable if the regional entity defaults on its loan payments to the trust because a local government that it serves fails to pay assessments or charges due.

We view the program's enterprise risk profile as extremely strong. This is due to a combination of the low industry risk profile for municipal pools, and the program's market position, which we also consider extremely strong. The trust was created by Chapter 29C of the General Laws of the Commonwealth of Massachusetts to administer the state SRF program. The Massachusetts Department of Environmental Protection develops the SRF intended-use plan and

reviews borrower applications. The SRF program receives support from multiple levels of government, including federal capitalization grants and state matching funds.

We view the program's financial risk profile as extremely strong, reflecting a combination of the LCS, historical operating performance, and management policies.

Coverage within the Master Trust Agreement program, to which the series 23A and 23B bonds belong, exceeds 1.2x throughout the life of the bonds. Aggregate program cash flows (aggregating for all SRF programs) indicate that annual revenue from loan repayments, investment earnings, investment releases, and commonwealth assistance payments exceed debt service by at least 1.3x in the program's early years, then generally increase over time.

Pledged to \$2.5 billion of outstanding bonds for all programs are \$3.9 billion in loan principal and commonwealth payments as well as \$391 million in reserves. Reserve balances are invested primarily in U.S. Treasury obligations and guaranteed investment contracts with various providers. About \$256 million of reserves is invested in guaranteed investment contracts with various counterparties. Even when including these reserves as assets in S&P Global Ratings' CDO (collateralized debt obligation) Evaluator and receiving related reductions in value, our default tolerance analysis indicates that cash flows are still strong enough to achieve an extremely strong LCS. Supporting this score is a large corpus of equity funds totaling \$683 million as of June 2020 that management could use to cure defaults in any program if needed. The use of equity funds is restricted to the SRF and cannot be transferred out for general state government purposes.

Averaging all financial policies and practices, we view the corpus of these as adequate. Management works directly with borrowers to manage additional loan payments within their budget constraints, but does not necessarily undertake a formal credit review for all borrowers because many, if not all, loans are with existing borrowers. The trust does not perform direct annual surveillance, but has represented that the commonwealth's Department of Revenue tracks credit ratings. Loan payments are made 15 days before debt service. Management works with the Massachusetts Department of Environmental Protection to prioritize projects annually using the intended-use plan. Investment guidelines are fairly permissive, but the current portfolio includes only U.S. Treasuries and guaranteed investment contracts.

Management reports no loan defaults or delinquent payments on any pledged loans since 1993, when it first started providing loans under various SRF programs. The trust has financed more than \$7.6 billion in loans since.

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