

FITCH RATES \$510MM COMMONWEALTH OF MASSACHUSETTS GO MASSDIRECT NOTES 'AA+'

Fitch Ratings-New York-17 October 2014: Fitch Ratings has assigned an 'AA+' rating to up to \$510 million in Commonwealth of Massachusetts MassDirect Notes expected to be issued from October 2014 through June 2015. The first issuance under this borrowing plan is expected the weeks of Oct. 20 and 27, 2014 in the following series:

--\$30 million general obligation (GO) bonds consolidated loan of 2014 (MassDirect Notes) series 10;
--\$30 million GO bonds consolidated loan of 2014 (MassDirect Notes) series 11.

The MassDirect Notes are GO bonds of the Commonwealth of Massachusetts. The program is targeted to retail investors, and the Commonwealth plans to offer MassDirect Notes every day for two weeks of nearly every month, with prices re-set daily. The program does not increase the Commonwealth's overall borrowing plans, but rather is a different approach to selling earlier maturities. The notes bear interest at a fixed rate.

Fitch rated the first \$250 million in MassDirect Notes in March 2014. The full amount of those bonds has been issued.

The Rating Outlook is Stable.

SECURITY

General obligations of the Commonwealth, to which its full faith and credit are pledged.

KEY RATING DRIVERS

STRONG AND WEALTHY ECONOMY: Massachusetts has a broad and diverse economy with the second-highest personal income per capita in the nation. The unemployment rate remains below that of the nation, education levels are high, and population growth has approximated that of the U.S. this decade, a marked improvement from historical experience and the performance of other states in the region.

PRUDENT FINANCIAL MANAGEMENT: The Commonwealth has benefited from conservative budgeting and sound financial practices over time. A limitation on the use of capital gains-related tax revenue has reduced the volatility of economically sensitive revenues in the budget, and the Commonwealth has shown a commitment to reserve funding.

COMPARATIVELY HIGH LIABILITY BURDEN: Massachusetts' liability levels are high for a U.S. state government, and Fitch expects them to remain so. This is partially explained by the above-average role played by the Commonwealth in relation to local levels of government when compared to most other states. In addition, the Commonwealth is responsible for the pension benefits of not only Commonwealth employees but also teachers statewide, contributing to a combined burden of debt and pensions that is also well above the median for U.S. states.

RATING SENSITIVITIES

The rating is sensitive to shifts in fundamental credit characteristics including the state's commitment to strong financial management practices.

CREDIT PROFILE

Massachusetts' 'AA+' GO rating reflects considerable economic resources and a record of prudent financial management. Credit strengths are tempered by a comparatively heavy direct liability burden that Fitch expects to remain high. The Stable Outlook reflects the expectation that the Commonwealth will continue to act as needed to ensure budget balance and maintain an adequate budgeted reserve position.

FINANCES AND MANAGEMENT

Massachusetts' financial position has stabilized in recent years, with solid revenue recovery following a period of steep decline in the recession. Fiscal 2013 benefitted from the acceleration of income into calendar 2012 that took place in anticipation of federal tax increases; revenues from income tax estimated payments were up 15.4% year-over-year and final returns 24.7%. Fiscal 2013 baseline overall tax revenue growth of 5.6% also reflected increases of 3.5% in personal income tax withholding receipts and 2.4% in sales tax revenue.

Commonwealth revenues for fiscal 2014, which ended on June 30, were in line with forecast. Although receipts from final returns were down 7.7% year-over-year (\$139 million below expectations), this was more than offset by 5.4% baseline growth in withholding tax collections and a solid 6.1% increase in estimated payments. Sales tax revenues rose 5.9%. In total, tax collections were \$169 million over forecast. These results incorporate the retroactive repeal of a computer and software services tax that was included in the enacted budget (estimated impact of \$161 million) and a reduction of the income tax rate to 5.2% from 5.25% effective Jan. 1, 2014 that was triggered by recent revenue growth (estimated impact of \$65 million).

Fitch believes that the Commonwealth retains significant flexibility to address budget underperformance and has repeatedly demonstrated its commitment to doing so. Strong revenue results in fiscal 2011 allowed for an increase in the stabilization fund balance to \$1.4 billion, up from a low of \$670 million at the end of fiscal 2010. Recovery continued in fiscal 2012, albeit at a more modest pace, and the stabilization fund balance grew further to \$1.65 billion. In fiscal 2013, scheduled draws were expected to lower reserve funding to \$1.3 billion at year-end. However, the stabilization fund ended the year with a higher \$1.56 billion balance. The Commonwealth estimates that the balance dropped to a still significant \$1.25 billion at the end of fiscal 2014, and projects the balance to fall slightly, to \$1.22 billion, at the end of the current fiscal year.

The Commonwealth has proactively taken steps to reduce the impact of volatile revenues on its budget and has developed a long-term fiscal policy framework focused on budget sustainability. The variability and unpredictability of capital gains-related tax revenue has been a key factor in volatility over time. In response, the fiscal 2011 enacted budget included a new mechanism for budgeting capital gains-related tax revenue that limits the amount of such revenue that can be included in the Commonwealth's budget to \$1 billion (adjusted annually by a U.S. GDP growth-based formula starting in fiscal 2014), with excesses dedicated to reserve funding (90%) and retiree benefit obligations (10%). Capital gains revenue in fiscal 2013 was \$1.4 billion. In fiscal 2014, they are estimated to have been \$1.069 billion, which upon certification would result in a \$46 million set-aside above the statutory threshold for reserves and retiree benefit obligations. The fiscal 2015 figure is forecast at \$1.17 billion, which would result in a \$122 million set-aside.

A similar mechanism requires one-time judgments and settlement payments in excess of \$10 million to be deposited in the stabilization fund. The fund benefitted from an unusually high \$375 million of such revenue in fiscal 2012. The fiscal 2013 figure was \$134 million, although \$101 million of this total was diverted for other purposes, and the full amount of \$437 million for fiscal 2014 is assumed to be retained in the general fund. The fiscal 2015 enacted budget modified the policy to establish a

historical baseline above which such monies will be deposited in the stabilization fund, modeled after the policy for capital gains; under the provision, the baseline will be \$263 million for fiscal 2015.

Massachusetts' demonstrated commitment to taking timely action to ensure budget balance in recent downturns while maintaining some level of reserves is important given the nature of the Commonwealth's revenue system, which quickly reflects changing economic conditions. For example, in the last downturn tax revenue forecasts were reduced significantly over the course of fiscal 2009, from \$21.4 billion in the enacted budget to actual results of \$18.3 billion, and the year ended down 13% (baseline) compared to fiscal 2008. On Oct. 15, 2014, the Commonwealth's secretary of administration and finance confirmed the forecast upon which the current-year enacted budget is based; revenue results were very slightly (less than 1%) below expectations through September.

ECONOMY

Massachusetts has a fundamentally strong and wealthy economy. Institutions of higher education and health care are significant and lend stability, in addition to supporting development and innovation in other areas. At 128% of the U.S. average, personal income per capita is the second highest of the states. Education levels are high and population growth has approximated that of the U.S. this decade, a marked improvement from historical experience and the performance of other states in the region.

The Commonwealth's economic performance in the recent recession was significantly better than the national experience, in contrast to 2002-2004 when Massachusetts experienced among the steepest employment drops in the country. Employment losses in 2009 were less severe than those of the U.S. (3.2% versus 4.3%), and Commonwealth employment rose 0.4% in 2010 while U.S. employment fell 0.7%. Employment continued to grow in 2011 (1.2%), 2012 (1.6%) and 2013 (1.4%) at a pace generally in line with the national trend. In August 2014, Commonwealth employment grew 1.9% year-over-year, matching the nation, and the unemployment rate measured 5.8% compared favorably to 6.1% for the U.S., even as labor force growth exceeded the national pace.

DEBT AND OTHER LONG-TERM LIABILITIES

The Commonwealth's net tax-supported debt equals a comparatively high 9% of personal income, including obligations of the Massachusetts Bay Transportation Authority and the Massachusetts School Building Authority that are backed by allocations of the Commonwealth's sales tax as well as annual contract assistance commitments that support the Massachusetts Department of Transportation. The comparatively high debt levels are partially explained by the Commonwealth's above-average role in relation to local levels of government when compared to most other states. GO debt continues to represent the majority of outstanding debt. Fitch expects debt levels to remain high for a U.S. state but manageable.

Massachusetts is in the early stages of implementing a long-term asset/liability management strategy with the goal of more proactively managing interest rate exposure for the Commonwealth overall. Based on current conditions, this would involve issuance of approximately \$3.2 billion in unhedged, floating-rate debt by the end of fiscal 2018. Fitch notes Massachusetts' high credit quality, strong management profile and demonstrated ability to manage a large capital borrowing program. Fitch expects the Commonwealth to closely manage the program and make adjustments as needed.

The Commonwealth is responsible for the pension benefits of not only Commonwealth employees but also teachers statewide. Massachusetts has undertaken some pension reforms and projects manageable growth in pension funding requirements going forward. A 2014 agreement accelerates the pension funding schedule by increasing annual contributions by 10% per year through fiscal 2017 and 7% in subsequent years. Full system funding is projected for fiscal 2036 based on current

assumptions, although the statutory requirement remains fiscal 2040. The fiscal 2015 contribution is \$1.8 billion.

On a combined basis, the burden of the Commonwealth's net tax-supported debt and the total unfunded liability of the state employees and teachers systems equals 18.5%, well above the 6.1% median for U.S. states.

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In addition to the sources of information identified in Fitch's report 'Tax-Supported Rating Criteria', this action was additionally informed by information from IHS Global Insight.

Applicable Criteria and Related Research:

--'Tax-Supported Rating Criteria' (Aug. 14, 2012);

--'U.S. State Government Tax-Supported Rating Criteria' (Aug. 14, 2012).

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Tax-Supported Rating Criteria

http://www.fitchratings.com/creditdesk/reports/report_frame.cfm?rpt_id=686015

U.S. State Government Tax-Supported Rating Criteria

http://www.fitchratings.com/creditdesk/reports/report_frame.cfm?rpt_id=686033

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