



The Commonwealth of Massachusetts
Office of the State Treasurer
State House
Boston, Massachusetts 02133

Deborah B. Goldberg
Treasurer and Receiver General

September 23, 2019

The Honorable Michael J. Rodrigues, Chair
Senate Ways and Means Committee
State House, Room 212
Boston, MA 02133

The Honorable Aaron Michlewitz, Chair
House Ways and Means Committee
State House, Room 243
Boston, MA 02133

Dear Senator Rodrigues and Representative Michlewitz:

Pursuant to Massachusetts General Laws Chapter 10, Section 10B, the Office of the State Treasurer and Receiver General and the Executive Office for Administration and Finance hereby submit the current cash flow forecast for fiscal year 2020 (FY20).

Certain cash items, such as the balance of the Stabilization Fund as well as a number of other funds, are required to be categorized as segregated and do not contribute to the Commonwealth's "pool" of non-segregated cash balances. These segregated items are statutorily restricted for a specific purpose.

Please note that the FY20 cash flow forecast projects monthly cash closing balances. Given the variable nature of state cash expenditures and revenues, the daily cash balances often differ greatly from the projected monthly closing balances.

Highlights of Fiscal Year 2020

On July 31, 2019, the Governor signed the FY20 budget into law, providing for \$43.3 billion in spending, excluding transfers to the Medical Assistance Trust Fund and other transfers. As signed, the budget projects a net deposit of \$475.9 million to the Stabilization Fund.

In June 2019, the Governor announced the five-year capital investment plan for fiscal year 2020 through fiscal year 2024. The plan projects \$4.698 billion in FY20 spending on capital projects, including \$2.430 billion of bond cap spending, \$895.4 million of spending from other sources including special obligation bonds, anticipated savings or revenues generated by the projects, and

*For cash purposes, the use of "fiscal year" includes "accounts payable" activity for fiscal year 2019 and excludes "accounts payable" activity for fiscal year 2020.

Phone: 617.367.6900 • Office: State House, Room 227, Boston, MA 02133 • Web: www.mass.gov/treasury

The Honorable Michael J. Rodrigues, Chair
The Honorable Aaron Michlewitz, Chair
September 23, 2019
Page 2 of 2

other non-commonwealth sources such as contributions from municipalities, and \$1.372 billion of spending supported by federal reimbursements and grants.

For cash flow needs for FY20, the State Treasurer plans to issue \$1.5 billion of revenue anticipation notes (RANs) in October 2019. Consistent with previous years, the RANs will be repaid in April, May and June 2020.

Cash flow estimates do not yet fully incorporate supplemental appropriations or year-end transfers of undesignated year-end balances to the Stabilization Fund and off-budget funds; based on FY19 tax collections, such actions could reduce ending cash balances by approximately \$700.0 million to \$800.0 million.

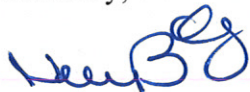
On September 6, 2019, the Governor filed a bill with a net fiscal impact of \$651.0 million, of which approximately \$500.0 million represents spending and transfers to off-budget funds not yet incorporated into cash flow estimates. Additionally, the bill would transfer \$168.0 million to the Stabilization Fund, and continue into FY20 spending authorization for approximately \$90.0 million in costs originally budgeted for FY19. The September 6, 2019 supplemental appropriations bill is subject to amendment by the Legislature and such amended bill is expected to be enacted in the coming weeks.

Ongoing Cash Management Practices

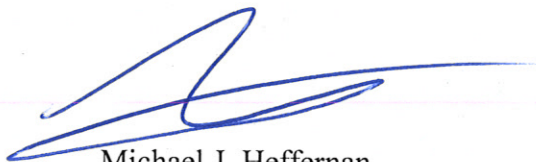
Treasury, Administration and Finance and Comptroller staffs continue to meet regularly to monitor the status of the Commonwealth's cash position. In addition, this group actively seeks to improve the reader's experience by enhancing the Commonwealth's cash flow forecast with additional features.

Please feel free to contact our respective staff members if you have any questions or require additional information.

Sincerely,



Deborah B. Goldberg
Treasurer and Receiver General



Michael J. Heffernan
Secretary of Administration and Finance

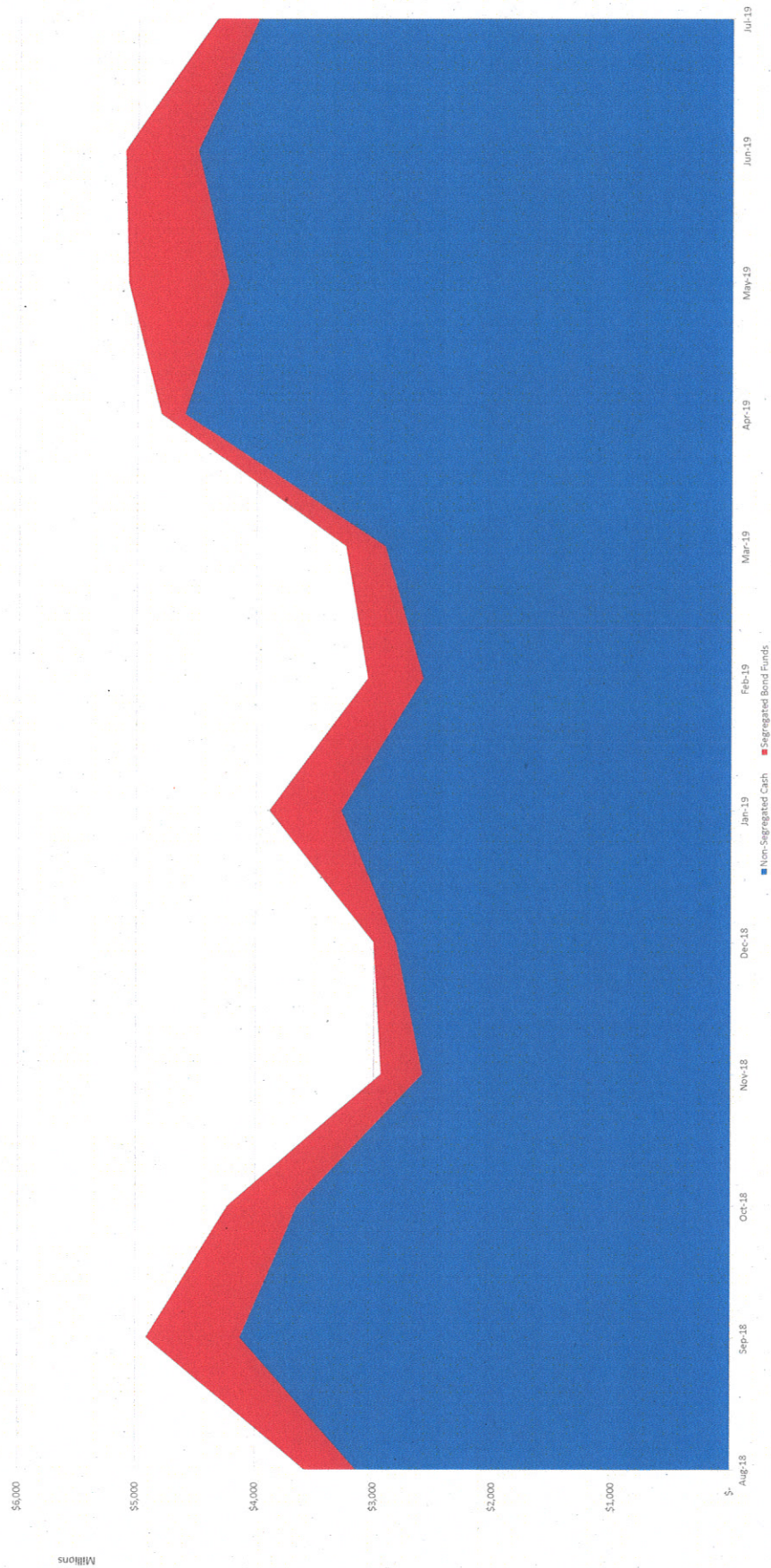
Enclosures

	May 2019 Forecast	May 2019 Actual	Variance
OPENING NON-SEGREGATED OPERATING CASH BALANCE:	4,602,992	4,602,992	0.000
OPERATING ACTIVITIES:			
Budgetary Funds:			
Tax Revenue	2,135,600	2,105,789	(29,811)
Federal Reimbursements	1,482,700	1,127,984	(354,716)
Other Budgetary Revenue	468,900	371,611	(97,289)
Transfer from/(to) Stabilization Fund			
Total Budgetary Revenue/Inflows	4,087,200	3,605,383	(481,817)
Local Aid	491,200	480,750	(10,450)
Tax Refunds	125,700	109,252	(16,448)
Debt Service for General Obligation (Including C/A/T)	138,250	138,250	
Debt Service for Special Obligations		15,821	15,821
Debt Service for GAINS	3,311,300	2,890,293	(421,007)
Other Budgetary Expenditures	4,066,450	3,634,366	(432,085)
Total Budgetary Expenditures/Outflows	20,750	(28,382)	(49,732)
Net Budgetary Funds			
Non Budgetary Funds (Non Budgetary, Higher Ed and Trust Funds):			
Lottery Revenue	185,835	210,266	24,431
Pension Receipts (PRIM and Annuity Receipts)	233,400	275,974	42,574
Transfers in & out for Non Pooled / Trust / Fiduciary Fund Investments	1,040,300	181,160	(859,140)
Non Budgetary Tax Receipts	36,400	38,033	1,633
Other Non Budgetary Revenue	65,000	727,299	662,299
Total Non Budgetary Revenue/Inflows	1,560,935	1,432,732	(128,203)
Lottery Payments	48,075	56,463	8,389
MBTA Sales Tax	86,319	88,533	2,214
MBTA Assessments	13,575	14,177	602
MSBA Payments	72,950	75,200	2,250
Pension Payments	455,000	458,802	3,802
Non Pooled / Trust / Fiduciary Fund Expenditures	485,000	455,260	(29,740)
Other Non Budgetary Expenditures	196,000	159,337	(36,663)
Total Non Budgetary Expenditures/Outflows	1,356,919	1,307,771	(49,148)
Net Non Budgetary Funds	204,016	124,961	(79,055)
Undesignated Revenue/Inflows and Expenditures/Outflows:			
General Fund Investment Earnings	10,000	15,956	5,956
Net Undesignated Revenue/Inflows and Expenditures/Outflows	10,000	15,956	5,956
NET OPERATING ACTIVITIES	234,766	111,935	(122,830)
FEDERAL GRANTS:			
Total Federal Grants Revenue/Inflows	185,000	276,990	91,990
Total Federal Grants Expenditures/Outflows	188,500	226,588	38,088
NET FEDERAL GRANTS	(3,500)	50,402	53,902
CAPITAL FUNDS:			
Capital Revenue/Inflows:			
Capital Inflow from Federal Reimbursements	38,300	40,931	2,631
Capital Inflow from Financing Activities:			
Capital Inflow to General Fund from Segregated Bond Funds	181,517	181,517	
Total Capital Revenue/Inflows	219,817	222,449	2,631
Total Capital Expenditures/Outflows	239,400	233,499	(5,901)
NET CAPITAL FUNDS	(19,583)	(11,051)	8,532
FINANCING ACTIVITIES:			
Cash Flow Financing Activities Inflows:			
Commercial Paper			
Revenue Anticipation Notes (RANS)			
Total Cash Flow Financing Activities Inflows			
Cash Flow Financing Activities Outflows:			
Commercial Paper - (Principal + Interest)	514,685	514,685	0.000
RANS - (Principal + Interest)	514,685	514,685	0.000
Total Cash Flow Financing Activities Outflows	(514,685)	(514,685)	(0.000)
NET FINANCING ACTIVITIES	(514,685)	(514,685)	(0.000)
ENDING NON-SEGREGATED OPERATING CASH BALANCE:	\$4,299,990	\$4,239,594	(60,396)

	June 2019 Forecast	June 2019 Actual	Variance
June 2019 Forecast	4,299,990	4,239,594	(60,396)
3,095,100	3,238,650	143,550	
972,900	1,254,879	281,979	
759,700	684,380	(75,320)	
(636,388)	4,541,520	(286,180)	
478,300	107,302	(370,998)	
138,600	48,564	(90,036)	
89,250	93,146	3,895	
125,277	186,925	61,648	
14,977	14,977		
2,406,700	2,256,016	(150,684)	
3,253,104	2,706,929	(546,175)	
1,574,596	1,834,591	259,996	
148,668	140,589	(8,079)	
233,400	262,426	29,026	
385,000	(699,700)	(1,084,700)	
43,500	44,456	956	
75,000	597,307	522,307	
885,568	345,078	(540,490)	
48,075	92,489	44,415	
83,140	90,314	7,174	
13,575	14,176	601	
72,950	76,981	4,031	
453,400	475,801	22,401	
385,000	406,410	21,410	
135,000	327,991	192,991	
1,191,140	1,484,163	293,024	
(305,572)	(1,139,086)	(833,513)	
10,000	26,475	16,475	
10,000	26,475	16,475	
1,279,024	721,980	(557,043)	
220,000	223,085	3,085	
219,000	218,547	(453)	
1,000	4,538	3,538	
38,000	103,356	65,356	
181,288	230,209	48,921	
219,288	333,565	114,277	
238,100	286,010	47,910	
(18,812)	47,555	66,367	
516,219	516,219	(0.000)	
516,219	516,219	(0.000)	
(516,219)	(516,219)	0.000	
5,044,983	4,497,448	(547,534)	

	July 2019 Forecast	July 2019 Actual	Variance
July 2019 Forecast	5,044,983	4,497,400	(547,583)
2,038,000	2,063,422	25,422	
1,208,100	786,961	(421,139)	
402,200	368,863	(33,337)	
3,648,300	3,219,245	(429,055)	
359,000	503,599	144,599	
4,000	34,286	30,286	
223,435	221,515	(1,921)	
14,421	14,421		
3,877,300	2,999,087	(878,213)	
4,478,156	3,772,907	(705,249)	
(829,856)	(553,662)	276,194	
148,668	126,798	(21,870)	
235,960	255,165	19,205	
353,000	627,500	274,500	
102,000	44,518	(57,482)	
61,757	328,510	266,753	
901,384	1,382,491	481,106	
48,075	50,908	2,833	
89,750	85,354	(4,396)	
10,600	14,531	3,931	
76,417	81,505	5,088	
450,000	470,427	20,427	
353,000	368,610	15,610	
160,000	194,313	34,313	
1,187,841	1,265,647	77,806	
(286,457)	116,843	403,300	
10,000	8,246	(1,754)	
10,000	8,246	(1,754)	
(1,106,313)	(428,573)	677,740	
180,000	177,398	(2,602)	
208,500	215,237	6,737	
(28,500)	(37,838)	(9,338)	
68,000	46,364	(21,636)	
216,063	258,412	42,349	
284,063	304,776	20,713	
208,000	349,562	141,562	
76,063	(44,786)	(120,849)	
3,986,233	3,986,203	(0.030)	

FY 19 & FY 20 Monthly Cash and Investment Positions



Commonwealth of Massachusetts

Cash Flow Forecast Glossary

BUDGETARY SECTION

Tax Revenue

These tax revenue figures are gross, and do not account for tax refunds (which are captured in the budgetary outflow section of the forecast) and include amounts that are statutorily dedicated transfers to the Massachusetts Bay Transportation Authority, Massachusetts School Building Authority, etc.

Federal Reimbursements

Federal revenues are collected through reimbursements for the federal share of entitlement programs such as Medicaid and through block grants for programs such as Transitional Assistance to Needy Families (TANF). The amount of federal reimbursements to be received is determined by state expenditures for these programs. For example, the Commonwealth receives reimbursement for approximately 50% of its spending for Medicaid programs.

Other Budgetary Revenue

This revenue reflects all non-tax and non-federal reimbursement revenue that is used to support the Commonwealth's operating budget. This includes departmental revenue collections (e.g., RMV fees and fines) as well as transfers of revenue from non budgetary funds to the General Fund (e.g., Tobacco Settlements are initially deposited into a non budgetary fund and then transferred to the General Fund. Unclaimed Property revenue is transferred from the Unclaimed Property Fund to the General Fund, etc.).

Transfer from/(to) Stabilization Fund

The Stabilization Fund is established by state finance law as a reserve of surplus revenues to be used for the purposes of covering revenue shortfalls, state or local losses of federal funds or for any event that threatens the health, safety or welfare of the people or the fiscal stability of the Commonwealth or any of its political subdivisions. The fund is sometimes referred to as the state's "rainy day fund", serving as a source of financial support for the state budget in times of slow or declining revenue growth and as the primary source of protection against having to make drastic cuts in state services in periods of economic downturns. The Stabilization Fund is a "segregated" fund, and balances in the fund do not contribute to Commonwealth's "pooled" cash.

Local Aid

This spending category represents local aid that is appropriated in the state budget and is primarily comprised of Chapter 70 (public education) local aid and unrestricted general government aid. These disbursements used to go out quarterly, but recently enacted legislation amended state finance law so that they are made on a monthly basis.

Tax Refunds

A tax refund is a refund to a taxpayer of amounts paid in excess of the full amount of tax, interest and penalties due from the taxpayer for a particular tax type and period. Under G.L. Chapter 62C, Section 36, the Commissioner can offset a tax refund for one tax type in order to pay amounts due from the taxpayer for another tax type.

Debt Service for General Obligation (including CA/T)

This line represents principal and interest payments on all of the Commonwealth's outstanding general obligation bonds. These payments, as general obligations of the Commonwealth, are secured by a pledge of the Commonwealth's full faith and credit. Within this line are payments on bonds and notes issued to finance the State's various capital expenditures. Debt service payments for general obligation bonds are made on a monthly basis.

Debt Service for Special Obligations

This line represents principal and interest payments on all of the Commonwealth's outstanding special obligation bonds. As special obligations of the Commonwealth, these payments are secured by specific revenue streams pursuant to the various trust agreements underlying each bond issuance. This line includes payments on bonds secured by motor vehicle fuels receipts, Commonwealth Transportation Fund ("CTF") revenues and a selection of tourism-related sales and excise taxes.

Debt Service for GANS

This line represents interest payments on Federal Grant Anticipation Notes (GANs). GANs are bonds issued by the Commonwealth that are secured by a pledge of future Federal Highway Trust Fund revenues and net CTF revenues. The Commonwealth's current outstanding GANs were issued to help finance the Central/Artery Tunnel Project as well as the Accelerated Bridge Program. GANs payments are made one year in advance of their scheduled release from the trustee and are made in December and June of each year.

Other Budgetary Expenditures

This captures all operating budget spending with the exception of Local Aid, Debt Service and the pension appropriation. This line includes: MassHealth spending, budgetary payroll and

other budgeted spending, either authorized in the GAA, supplemental budget legislation filed or enacted, or that may be anticipated.

NON BUDGETARY SECTION

Lottery Revenue

This revenue category represents the net operating revenues of the Massachusetts State Lottery Commission. It primarily consists of the sale of Lottery products minus prizes, commissions and bonuses that are paid by the Commission.

Pension Receipts (PRIM and Annuity Receipts)

Funds transferred from PRIM to reimburse the General Fund for the payment of monthly pension benefits and annuity payments and separation from state service.

Transfer in & out for Non Pooled / Trust / Fiduciary Fund Investments

Non budgetary funds are also referred to as Trust or Fiduciary funds. As defined in state finance law, "Trust fund", a fund into which are deposited monies held by the Commonwealth or state agencies in a trustee capacity and which must be expended in accordance with the terms of the trust. Funds held in trust earn interest, which accrues to the trust; so for cash flow purposes are categorized as non pooled cash. When a trust collects money it is recorded with the Treasury on MMARS (the Commonwealth's accounting system) then moved from the cash flow to a non pooled investment. When a trust spends money the investment is liquidated by the Treasury on MMARS and then moved from a non-pooled status back to the cash flow. Thus, the net amount of all non budgetary investments for a month could be a negative inflow.

Non Budgetary Tax Receipts

These taxes are collected by the Commonwealth but are deposited directly into non budgetary trust funds for dedicated purposes. For example, the Massachusetts Convention Center Fund annually receives dedicated hotel and sales taxes to support restricted purposes, such as the annual debt service expenses associated with the construction of the Boston Convention and Exhibition Center.

Other Non Budgetary Revenue

The recording of cash collections of all non budgetary funds, except Lottery, Pension and non budgetary tax receipts.

Lottery Payments

Payment of prizes, commissions and bonuses that are paid by the Commission.

MBTA Sales Tax

The MBTA receives 1% of the first 5% of sales tax receipts, excluding meals (MGL Chapter 10, Section 35T). The dedicated sales tax growth is capped at 3% annually (based on the inflation index), but has not been achieved in recent years. This revenue is drawn down from the Fund on a monthly basis with a quarterly true-up.

MBTA Assessments

The Local Assessments (MGL Chapter 161A, Section 9) are contributed by the 175 cities and towns that are served by the MBTA. Each share is based on a weighted percentage of the total population of all the communities as published by the most recent state census. The total Local Assessment is certified before March 1 of each year and is now drawn down from the Fund on a monthly basis.

MSBA Payments

The Massachusetts School Building Authority ("MSBA") receives a dedicated sales tax revenue amount equal to 1% of receipts from sales, as defined by G.L. Chapter 64H and G.L. Chapter 64I (exclusive of taxes on sale of meals and sales in certain convention center districts). By the 15th business day of each month, the Department of Revenue ("DOR") identifies the dedicated sales tax revenue amount from the gross receipts of sales and purchases received by the Commonwealth the previous month, and the Comptroller credits that identified amount to the School Modernization and Reconstruction Trust Fund ("SMART Fund"). Within two business days of the Comptroller crediting the identified amount for the previous month to the SMART Fund, the Office of the State Treasurer disburses that amount from the SMART Fund to the MSBA's trustee.

Pension Payments

Payments to beneficiaries of the state and teachers retirement systems, payments of refunds for excess collections or separation from state service.

Non Pooled / Trust / Fiduciary Fund Expenditures

Any payments made from non pooled funds require cash on hand at the time of expenditure. These funds may be recently collected through Other Non Budgetary Revenue or may require liquidation of invested income.

Other Non Budgetary Expenditures

Non budgetary expenditures that are supported by pooled cash.

General Fund Investment Earnings

Interest earned from deposits at local banks and the Commonwealth's pooled investment trust, the Massachusetts Municipal Depository Trust.

FEDERAL GRANTS SECTION

Total Federal Grants Revenue/Inflows

This line represents the funds that have been authorized by federal agencies for federal grant expenditures/outflows that a state agency has incurred. Agencies must comply with regulations issued by the Comptroller for application and receipt of federal grants, which are generally then appropriated in section 2D of the General Appropriation Act.

Total Federal Grants Expenditures/Outflows

This line represents funds spent by state agencies from federal grant appropriation accounts. In accordance with the Cash Management Improvement Act (CMIA) all expenses are scheduled to be disbursed by the state agencies and then drawdowns from the federal funding agencies are made to time receipt with the payments clearing the bank.

CAPITAL SECTION

Capital Inflow from Federal Reimbursements

This line represents funds provided to the Commonwealth from federal agencies for capital expenditures that qualify for full or partial reimbursement. For example, the Federal Transit Authority typically reimburses the Commonwealth for approximately 80% of costs associated with maintaining state roads and bridges.

Capital Inflow to General Fund from Segregated Bond Funds

This line represents the allocated bond proceeds transferred from the segregated bond fund to the General Fund for reimbursement of General Fund expenditures on capital projects.

Total Capital Expenditures/Outflows

This line represents capital spending funded through the Commonwealth's "bond cap", which is based on an annual Debt-Affordability Study and is approved through the Commonwealth's Five-Year Capital Investment Plan, as well as gross federally-reimbursable spending, capital expenditures related to the Accelerated Bridge Program, which is secured through a separate stream of revenue that is not included in the Commonwealth's Debt-Affordability Study, and lastly, projects funded through the Clean Energy Investment Program, whereby the debt is secured by future savings related to increased energy efficiency.

Commercial Paper

This line item represents the proceeds from the Commonwealth's sale of commercial paper. Commercial paper is a short-term financial obligation of the Commonwealth that has a fixed maturity of no more than 270 days.

Revenue Anticipation Notes (RANS)

This line represents the proceeds from the sale of Commonwealth of Massachusetts revenue anticipation notes (RANS). RANS are general obligations of the Commonwealth, of which the State's full faith and credit is pledged, with a maturity of less than one year. RANS are issued in order to manage the cyclical variability in the Commonwealth's cash flow operations. Generally, they are issued in the beginning of a fiscal year, in anticipation of revenue to be received towards the end of the fiscal year.

Commercial Paper – (Principal + Interest)

This line item represents the principal and interest debt service payments on the Commonwealth's commercial paper. Commercial paper is a short-term financial obligation of the Commonwealth that has a fixed maturity of no more than 270 days.

RANS – (Principal + Interest)

This line item represents the principal and interest debt service payments on RANS issued by the Commonwealth. RANS are general obligations of the Commonwealth, of which the Commonwealth's full faith and credit is pledged, and carry a maturity of less than one year. RANS are issued in order to manage the cyclical variability in the Commonwealth's cash flow operations. Generally, they are issued in the beginning of a fiscal year, in anticipation of revenue to be received towards the end of the fiscal year.

Opening Balance Segregated Bond Funds

This line item represents the opening balance within the Commonwealth's segregated bond fund. The segregated bond fund is separate from the Commonwealth's operating and budgetary funds and is only affected by the receipt of bond proceeds or the allocation of bond proceeds. The fund's opening balance at the beginning of a given day will be equal to the closing balance on the prior day.

Bonds

This line item represents the proceeds from the sale of Commonwealth bonds (both special obligation and general obligation).

BANs

This line item represents proceeds from the sale of bond anticipation notes. BANs allow the Commonwealth to access short-term liquidity for capital needs in anticipation of future longer-term borrowings.

Segregated Bond Funds Available

This represents the total sum of the fund's opening balance plus any bond or BAN proceeds.

Bond / BANs Proceeds Allocated

This represents any segregated funds allocated to the general fund for reimbursement of General Fund expenditures on capital costs.