

Bureau of Budget



March 2019

Contents

Summary	3
Cash Balances	3
Cash Receipts	3
Cash Expenditures	4
Capital Expenditures (CapEx)	4
Financings	5
List of Tables	6
List of Charts	6
Cash Balances	7
October 2018 - December 2018 (2Q19)	7
July 2018 - December 2018 (1H19)	8
Cash Receipts	9
October 2018 - December 2018 (2Q19)	9
Receipts at a Glance	9
Taxes	9
Selected Cash Receipts	10
Federal and State Aid	11
July 2018 - December 2018 (1H19)	13
Receipts at a Glance	13
Taxes	13
Selected Cash Receipts	13
Federal and State Aid	15
Cash Expenditures (Including Capital)	17
October 2018 - December 2018 (2Q19)	17
Cash Expenditures at a Glance	17
"All Other" Spending	17
July 2018 - December 2018 (1H19)	18
Cash Expenditures at a Glance	18
"All Other" Spending	19
Capital Expenditures	20
October 2018 - December 2018 (2Q19)	20
Reimbursements to the New York City Central Treasury for Capital Expenditures	
July 2018 - December 2018 (1H19)	
Reimbursements to the New York City Central Treasury for Capital Expenditures	23
Einaneinge	24

Summary

Cash Balances¹

Cash balances in 2Q19 compared favorably to last year's levels. In 2Q19, cash balances averaged \$5.122 billion, compared to \$4.164 billion in 2Q18. This year's seasonal low measured \$2.211 billion, versus \$1.022 billion in 2Q18. The seasonal low in 2Q18 was the lowest cash balance since FY10. At the end of 2Q19, the City recorded an unrestricted cash balance of \$7.335 billion, \$409 million above last year's figure.

Both receipts and expenditures reached record highs during the quarter. Expenditures exceeded receipts by \$986 million, an unusually large negative net cash flow for the second quarter, when New Yorkers typically pay property tax bills due by January 1. The expenditure figure in 2Q19 was affected by higher-than-usual capital spending. Capital expenditures in 2Q19 totaled \$2.524 billion, versus \$1.798 billion in 2Q18.

The 1H19 daily cash balance averaged \$7.058 billion, compared to \$6.561 billion during the same period last year. For the fifteenth consecutive year, the City maintained sufficient operating cash without issuing short-term notes.

Cash Receipts

Total cash receipts in 2Q19 increased 6.1% versus a year ago. Miscellaneous revenues rose \$528 million, or 32.9%. The increase in miscellaneous revenues stems from higher receipts from a variety of sources, including water and sewer charges, fines and forfeitures, charges and fees for services, rental income, interest income, and senior college fees. Total Federal and State aid increased \$520 million, or 15.2%, largely due to the receipt of delayed welfare aid payments from Federal and State governments. Removing the effect of capital transfers, receipts increased 7.5%.

The City collected \$15.7 billion in tax revenues in 2Q19, up 1.7% compared to the same period last year. The largest revenue source, the real property tax, was up 4.8%. The personal income tax decreased \$217 million, or 7.1%. Last year, the City benefited from a one-time boost in personal income tax revenue from the Tax Cuts and Jobs Act and repatriation of overseas hedge fund profits. The sales tax was up 4%. Overall, tax revenue accounted for 62.4% of total cash receipts in 2Q19.

Total cash receipts for 1H19 (including retention of real property and personal income tax revenues for GO and TFA PIT debt service payments) increased 9.7% versus a year ago. Debt service funding, which is counted as a negative inflow (rather than a positive expense decreased total cash revenues by \$813 million in 1H19, compared to \$1.2 billion in 1H18.

Tax receipts in 1H19 increased 4.7% compared to 1H18, led by a 10.6% increase in the real property tax. Another strong performer in 1H19 was the hotel occupancy tax, which rose 11.8%. Personal income tax was down slightly (-0.8%), because last year's surge in personal income tax was due to the federal tax overhaul. Sales tax increased 5.0%. The general corporation tax grew 3.2%, while the unincorporated business tax was down 13.7%.

¹ The data in this report are based on the book balances in the New York City Central Treasury as calculated by the Bureau of Financial Analysis, Office of the New York City Comptroller. Receipts are reported based on cash receipts and the analysis of bank deposits. Expenditures are reported based on warrants issued.

The combined 1H19 total of Federal and State aid increased by more than \$3 billion compared to the same period last year. Welfare aid from the Federal and State governments rose from \$1.2 billion in 1H18 to \$2.8 billion in 1H19. At the same time, the State aid for higher education increased from \$59 million in 1H18 to \$916 million in 1H19.

Cash Expenditures²

Cash expenditures, including capital, totaled \$26.113 billion in 2Q19, averaging \$421.180 million daily. During the same period last year, cash expenditures totaled \$23.652 billion and averaged \$387.7 million daily. Gross payroll increased 11.1%, while fringe benefits rose 4.7%. Fringe benefits include pension, social security, health plan, and supplemental (union-related) welfare benefits. Other than personal service (OTPS) expenditures grew 1.8%. Public assistance spending was up 18.6%, while other social service spending jumped 27.9%. Medical assistance was down 17.3%. Outlays in the "All Other" category increased 47.1%, as a result of higher City and non-City-funded capital expenditures, bigger tax refunds, and a positive Fund 700 adjustment.

Cash expenditures in 1H19 grew 8.5% compared to the same period last year. Personal service expenditures rose 5.9%, to \$25 billion. Other than personal service expenditures increased 9.7%, to \$18.7 billion. Public assistance payments jumped 14.8%, followed by vendor and other payments (up 9.3%) and medical assistance (up 2.6%). Other social services were up 20.6%. Outlays considered "All Other" rose 14.1%, mostly due to higher City and non-City-funded capital spending and bigger tax refunds.

Capital Expenditures (CapEx)

CapEx totaled \$2.524 billion in 2Q19, up 40.4% from \$1.798 billion in 2Q18. Non-City-funded CapEx jumped 130.8% while City-funded CapEx went up 31.0%.

Reimbursements to the Central Treasury for CapEx trailed reimbursable expenditures during 2Q19. CapEx is initially paid from the City Treasury and then reimbursed from bond proceeds and State sources. Over the long term, CapEx and reimbursements should balance. However, from quarter to quarter, the lag between an expenditure and the offsetting reimbursement can result in a gain or loss to the Central Treasury. In 2Q19, this dynamic resulted in a drain of \$351 million.

Total CapEx equaled \$5.021 billion in 1H19 compared to \$4.145 billion during the same period last year. Non-City-funded CapEx jumped 58.3% while City-funded CapEx grew 16.9%.

1H19 reimbursements trailed eligible spending, resulting in a \$655 million drain to the Central Treasury. Over the past ten years, 1H reimbursements have exceeded eligible spending by 10.4%.

² City-funded capital expenditures are primarily financed from the proceeds of General Obligation (GO), New York City Transitional Finance Authority (TFA), and New York City Municipal Water Finance Authority (NY Water) debt. Capital expenditures are initially paid from the General Fund and then reimbursed from various capital accounts and State sources.

Financings

In FY19, the City plans to issue \$6.7 billion in GO, TFA FTS, and TFA BARBs for new money capital purposes. The City issued \$4.6 billion of new money debt in 1H19, leaving \$2.1 billion of issuance planned for the remainder of the current fiscal year.

Two transactions closed in 2Q19. The first transaction was a refunding sale of approximately \$1.4 billion of TFA Building Aid Revenue Bonds. The refunding achieved \$227.4 million in budget savings, or \$213.4 million on a present-value basis. The second transaction was a new money sale of \$1.2 billion of GO bonds. The GO sale included approximately \$700 million of tax-exempt fixed rate bonds, \$350 million of taxable fixed rate bonds, and \$150 million of tax-exempt variable rate bonds.

The pace of bond issuance in 1H19 exceeded last year's pace. In 1H19, the City issued \$4.6 billion in new money bonds and \$2.8 billion in refunding bonds. Over the same period last year, the City issued \$3.3 billion in new money bonds and \$2.8 billion in refunding bonds.

Rounding of Large Numbers in the Quarterly Cash Report

When dealing with numbers as large as those in this report, for conservation of space, numbers are rounded to the nearest tenths, hundredths, or thousandths. Because of rounding, some components appear not to equal the given total when added together. Examples occur throughout this report and are the result of rounding, not miscalculation.

List of Tables

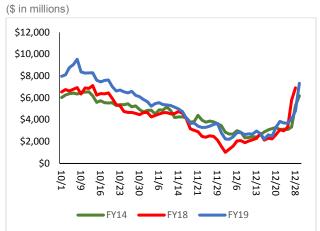
Table 1. Cash Position in the NYC Central Treasury, 2Q, FY10 - FY19	7
Table 2. Cash Position in the NYC Central Treasury, 1H, FY10 - FY19	8
Table 3. Cash Receipts by Category, 2Q, FY10 - FY19	
Table 4. Tax Receipts, 2Q14, 2Q18, & 2Q19	
Table 5. Selected Cash Receipts, 2Q, FY15 - FY19	
Table 6. Cash Receipts by Category, 1H, FY10 - FY19	
Table 7. Major Tax Receipts, 1H14, 1H18, & 1H19	
Table 8. Selected Cash Receipts, 1H15 - 1H19	14
Table 9. PS & OTPS, 2Q, FY10 - FY19	
Table 10. Major Components of "All Other" Spending, 2Q18 & 2Q19	17
Table 11. PS & OTPS, 1H, FY10 - FY19	18
Table 12. Major Components of "All Other" Spending, 1H18 & 1H19	19
Table 13. Reimbursements to the NYC Central Treasury for CapEx, 2Q, FY10 - FY19	21
Table 14. Reimbursements to the NYC Central Treasury, 1H, FY10 - FY19	23
Table 15. FY 2019 Projected New Money vs. 1H19 Actual New Money GO, TFA FTS, and TFA	BARBs
Issuance	24
Table 16. GO, TFA FTS, and TFA BARBs Bond Issuance, 1H19	24
List of Charts	_
Chart 1. Daily Cash Balances in the NYC Central Treasury, 2Q14, 2Q18, & 2Q19	
Chart 2. NYC Cash Balance Lows, FY10 - FY19	
Chart 3. Cash Position in the NYC Central Treasury, 1H14, 1H18, & 1H19	
Chart 4. Federal & State Aid to NYC, 2Q, FY15 - FY19	
Chart 5. Federal & State Aid as % of Total Cash Receipts, 2Q, FY15 - FY19	
Chart 6. Components of State Aid, 2Q, FY15 - FY19	
Chart 8. Federal & State Aid to NYC, 1H, FY15 - FY19	
Chart 9. Federal & State Aid to NTC, TT, TT13-TT19	
Chart 10. Components of State Aid, 1H, FY15 - FY19	
Chart 11. Components of Federal Aid, 1H, FY15 - FY19	
Chart 12. Total CapEx, 2Q, FY10 - FY19	
Chart 13. Total CapEx as % of Total Expenditures, 2Q, FY10 - FY19	
Chart 14. Bond-Funded Reimbursements for Eligible CapEx, 2Q, FY15 - FY19	
Chart 15. Total CapEx, 1H, FY10 - FY19	
Chart 16. Total CapEx as % of Total Expenditures, 1H, FY10 - FY19	
Chart 17. Bond-Funded Reimbursements for Eligible CapEx, 1H15 - 1H19	
Chart 18. GO, TFA FTS, and TFA BARBs Issues, 1H18 & 1H19	

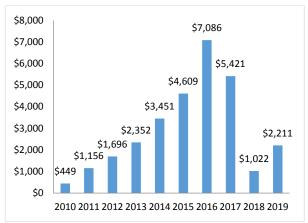
Cash Balances

October 2018 - December 2018 (2019)

Chart 1. Daily Cash Balances in the NYC Central Treasury, 2Q14, 2Q18, & 2Q19

Chart 2. NYC Cash Balance Lows, FY10 - FY19 (\$ in millions)





Cash balances in 2Q19 compared favorably to last year's levels. In 2Q19, cash balances averaged \$5.122 billion, compared to \$4.164 billion in 2Q18. This year's seasonal low measured \$2.211 billion, versus \$1.022 billion in 2Q18, which was the lowest cash balance since FY10. At the end of 2Q19, the City recorded an unrestricted cash balance of \$7.335 billion, \$409 million above last year's figure.

Both receipts and expenditures reached record highs during the quarter. However, expenditures exceeded receipts by \$986 million. This was an unusually large negative net cash flow for the second quarter, since at the end of December, New Yorkers usually pay property tax bills due on January 1, typically in excess of \$6 or \$7 billion in recent years. The expenditure figure was affected by higher-than-usual capital spending in 2Q19. Capital expenditures in 2Q19 totaled \$2.524 billion, versus \$1.798 billion in 2Q18.

Table 1. Cash Position in the NYC Central Treasury, 2Q, FY10 - FY19

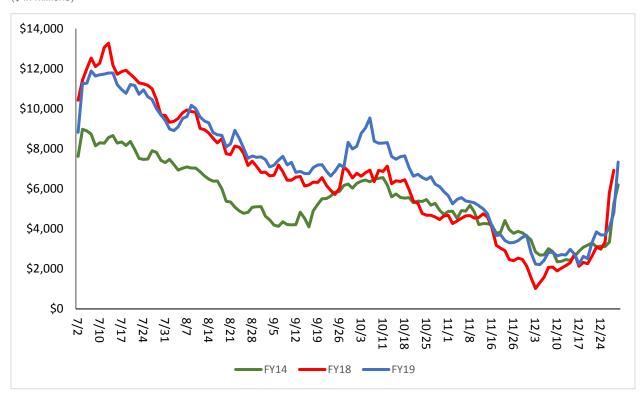
(\$ in millions)	2Q10	2Q11	2Q12	2Q13	2Q14	2Q15	2Q16	2Q17	2Q18	2Q19
Opening Balance ^a	\$4,596	\$5,350	\$5,135	\$6,235	\$5,773	\$9,011	\$9,491	\$10,418	\$6,893	\$8,322
Total Receipts	19,233	18,761	19,753	18,923	22,301	20,423	24,666	22,237	23,686	25,127
Total Expenditures ^b	18,737	17,967	18,534	18,962	19,537	20,235	22,553	22,306	23,652	26,113
Closing Balance	\$5,092	\$6,144	\$6,354	\$6,196	\$8,537	\$9,199	\$11,604	\$10,349	\$6,926	\$7,335
Avg. Daily Balance	\$3,046	\$3,331	\$3,408	\$4,440	\$5,206	\$6,766	\$8,831	\$8,234	\$4,164	\$5,122

a. Opening balances are before City audits.

b. Total expenditures include capital expenditures.

July 2018 - December 2018 (1H19)

Chart 3. Cash Position in the NYC Central Treasury, 1H14, 1H18, & 1H19 (\$ in millions)



The 1H19 daily cash balance averaged \$7.058 billion, compared to \$6.561 billion during the same period last year. For the fifteenth consecutive year, the City maintained sufficient operating cash without issuing short-term notes.

Table 2. Cash Position in the NYC Central Treasury, 1H, FY10 - FY19

(\$ in millions)	1H10	1H11	1H12	1H13	1H14	1H15	1H16	1H17	1H18	1H19
Opening Balance ^a	\$5,839	\$4,604	\$5,041	\$6,297	\$7,944	\$9,858	\$9,502	\$11,719	\$9,341	\$9,394
Total Receipts	36,565	38,672	39,068	37,946	41,662	40,326	47,672	44,285	45,199	49,583
Total Expenditures ^b	37,312	37,132	37,755	38,048	41,068	40,985	45,570	45,655	47,614	51,641
Closing Balance	\$5,092	\$6,144	\$6,354	\$6,196	\$8,537	\$9,199	\$11,604	\$10,349	\$6,926	\$7,335
Avg. Daily Balance	\$4,737	\$4,000	\$4,665	\$5,426	\$6,256	\$8,126	\$9,448	\$9,332	\$6,561	\$7,058

a. Opening balances are before City audits.

b. Total expenditures include capital expenditures.

Cash Receipts

October 2018 - December 2018 (2Q19)

Receipts at a Glance

Table 3. Cash Receipts by Category, 2Q, FY10 - FY19

(\$ in millions)	2Q10	2Q11	2Q12	2Q13	2Q14	2Q15	2Q16	2Q17	2Q18	2Q19
Real Property Tax	\$4,612	\$4,489	\$4,866	\$5,116	\$5,377	\$5,861	\$6,497	\$6,611	\$7,305	\$7,652
Other Taxes	4,923	5,231	5,517	5,763	6,222	7,000	7,498	7,427	8,118	8,027
Total taxes	9,535	9,720	10,383	10,879	11,599	12,861	13,995	14,038	15,423	15,679
Federal and State Aid	3,900	4,152	4,314	4,207	4,232	3,836	4,359	4,091	3,422	3,942
Debt Service Funding	0	(158)	(146)	(652)	(134)	(1,054)	658	(305)	(334)	(327)
Miscellaneous	1,463	1,459	1,305	1,361	1,902	1,778	1,843	1,418	1,604	2,132
Intergovernmental Aid	193	0	1	1	0	0	4	57	0	0
Other	4,142	3,588	3,896	3,127	4,702	3,002	3,807	2,938	3,571	3,701
Total	\$19,233	\$18,761	\$19,753	\$18,923	\$22,301	\$20,423	\$24,666	\$22,237	\$23,686	\$25,127
Total, Net of Reimbursement for CapEx	\$16,112	\$16,301	\$17,100	\$17,427	\$19,679	\$19,085	\$22,756	\$20,708	\$21,501	\$23,116

Total cash receipts in 2Q19 increased 6.1% versus a year ago. Miscellaneous revenues rose \$528 million, or 32.9%. The increase in miscellaneous revenues stems from higher receipts from a variety of sources, including water and sewer charges, fines and forfeitures, charges and fees for services, rental income, interest income, and senior college fees. Total Federal and State aid increased \$520 million, or 15.2%, largely due to the receipt of delayed welfare aid payments from Federal and State governments. Removing the effect of capital transfers, receipts increased 7.5%.

Taxes³

Table 4. Tax Receipts, 2Q14, 2Q18, & 2Q19

(\$ in millions)	2Q14	2Q18	2Q19	% Change 2Q19/2Q14	% Change 2Q19/2Q18
Real Property Tax	\$5,377	\$7,305	\$7,652	42%	5%
Personal Income Tax	2,088	3,065	2,848	36	(7)
Sales Tax	1,753	2,152	2,238	28	4
General Corporation Tax	727	1,275	1,276	76	0
Mortgage and Real Property Transfer Taxes	637	603	613	(4)	2
Unincorporated Business Tax	199	451	419	111	(7)
Commercial Rent Tax	173	215	235	36	9
Hotel Occupancy Tax	156	158	184	18	16
All Other Taxes	489	199	214	(56)	8
Total	\$11,599	\$15,423	\$15,679	35%	2%

The City collected \$15.7 billion in tax revenues in 2Q19, up 1.7% compared to the same period last year. The largest revenue source, the real property tax, was up 4.8%. The personal income tax decreased \$217

³ In this report, tax receipts, with the exception of personal income tax, are gross of refunds. Real property tax and personal income tax are gross of debt service funding.

million, or 7.1%. Last year, the City benefited from a one-time boost in personal income tax revenue as a result of the Tax Cuts and Jobs Act and repatriation of overseas profits. The sales tax was up 4%. Overall, tax revenue accounted for 62.4% of total cash receipts in 2Q19.

Selected Cash Receipts

Table 5. Selected Cash Receipts, 2Q, FY15 - FY19

(\$ in millions)	2Q15	2Q16	2Q17	2Q18	2Q19
Real Property Tax	\$5,861	\$6,497	\$6,611	\$7,305	\$7,652
Personal Income Tax	2,241	2,458	2,512	3,065	2,848
Sales Tax	1,849	2,047	2,050	2,152	2,238
NYS Education Aid	1,499	1,647	1,757	1,894	2,054
General Corporation Tax	833	982	1,075	1,275	1,276
Federal Welfare Aid	625	623	692	445	886
Water and Sewer Fees	673	567	332	494	615
Mortgage and Real Property Transfer Taxes	692	736	648	603	613
Unincorporated Business Tax	274	301	286	451	419
Senior College Fees	174	212	147	145	315
Fines and Forfeitures	261	332	293	248	307
Commercial Rent Tax	188	214	217	215	235
NYS Welfare Aid	299	311	242	2	203
Hotel Occupancy Tax	170	163	171	158	184
Federal Education Aid	101	605	162	209	106

Federal and State Aid

Chart 4. Federal & State Aid to NYC, 2Q, FY15 - FY19

(\$ in billions)

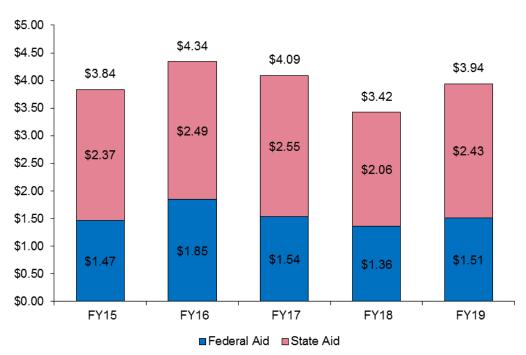


Chart 5. Federal & State Aid as % of Total Cash Receipts, 2Q, FY15 - FY19

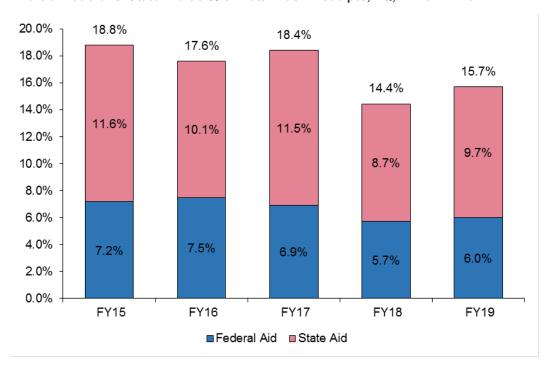


Chart 6. Components of State Aid, 2Q, FY15 - FY19

(\$ in billions)

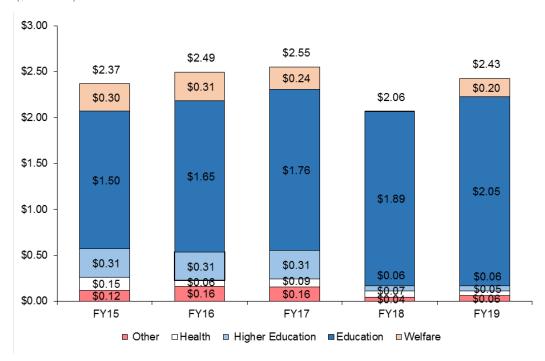
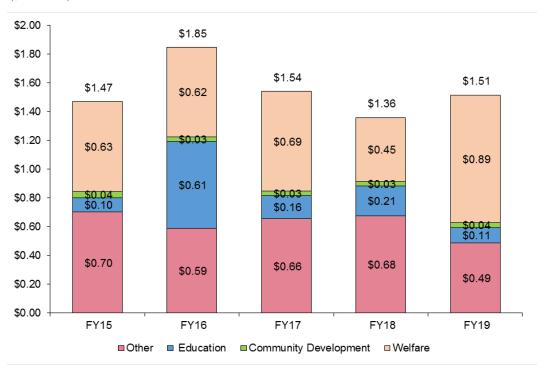


Chart 7. Components of Federal Aid, 2Q, FY15 - FY19

(\$ in billions)



July 2018 - December 2018 (1H19)

Receipts at a Glance

Table 6. Cash Receipts by Category, 1H, FY10 - FY19

(\$ in millions)	1H10	1H11	1H12	1H13	1H14	1H15	1H16	1H17	1H18	1H19
Real Property Tax	\$8,390	\$9,127	\$10,020	\$9,901	\$10,950	\$11,273	\$12,084	\$12,561	\$12,705	\$14,052
Other Taxes	9,429	10,422	11,060	11,444	12,272	13,595	14,363	14,123	14,944	14,893
Total taxes	17,819	19,549	21,080	21,345	23,222	24,868	26,447	26,684	27,649	28,945
Federal and State Aid	8,179	8,872	8,204	8,395	8,183	8,469	8,615	7,774	6,781	9,869
Debt Service Funding	0	(266)	(146)	(1,657)	(1,025)	(2,737)	1,128	(943)	(1,239)	(813)
Miscellaneous	3,259	3,087	3,012	3,030	3,395	3,327	3,870	3,220	3,620	4,336
Intergovernmental Aid	256	0	1	1	0	0	4	59	0	0
Other	7,052	7,430	6,917	6,832	7,887	6,400	7,608	7,491	8,388	7,246
Total	\$36,565	\$38,672	\$39,068	\$37,946	\$41,662	\$40,327	\$47,672	\$44,285	\$45,199	\$49,583
Total, Net of Reimbursement for CapEx	\$31,504	\$33,328	\$34,532	\$33,825	\$37,339	\$37,343	\$43,837	\$39,925	\$40,102	\$45,546

Total cash receipts for 1H19 increased 9.7% versus a year ago. The cash receipts include the retention of real property and personal income tax revenues for GO and TFA PIT debt service payments. Debt service funding is counted as a negative inflow (rather than a positive expense). In 1H19, debt service funding decreased total cash revenues by \$813 million, compared to \$1.2 billion in 1H18.

Taxes⁴

Table 7. Major Tax Receipts, 1H14, 1H18, & 1H19

(\$ in millions)	1H14	1H18	1H19	% Change 1H19/1H14	% Change 1H19/1H18
Real Property Tax	\$10,950	\$12,705	\$14,052	28%	11%
Personal Income Tax	3,949	5,483	5,439	38	(1)
Sales Tax	3,178	3,638	3,821	20	5
General Corporation Tax	1,441	2,177	2,246	56	3
Mortgage and Real Property Transfer Taxes	1,138	1,241	1,284	13	3
Unincorporated Business Tax	634	957	826	30	(14)
Commercial Rent Tax	361	459	486	35	6
Hotel Occupancy Tax	289	305	341	18	12
All Other Taxes	1,282	684	450	(65)	(34)
Total Taxes	\$23,222	\$27,649	\$28,945	25%	5%

Tax receipts in 1H19 increased 4.7% compared to 1H18, led by a 10.6% increase in property tax. Another strong performer in 1H19 was the hotel occupancy tax, which rose 11.8%. Personal income tax was down slightly (-0.8%), after last year's surge in personal income tax collections. Sales tax increased 5.0%. The general corporation tax grew 3.2%, while the unincorporated business tax was down 13.7%.

Selected Cash Receipts

⁴ In this report, tax receipts, with the exception of personal income tax, are gross of refunds. Real property tax and personal income tax are gross of debt service funding.

Table 8. Selected Cash Receipts, 1H15 - 1H19

(\$ in millions)	1H15	1H16	1H17	1H18	1H19
Real Property Tax	\$11,273	\$12,084	\$12,561	\$12,705	\$14,052
Personal Income Tax	4,267	4,694	4,761	5,483	5,439
NYS Education Aid	3,137	3,011	3,116	3,290	3,952
Sales Tax	3,331	3,606	3,461	3,638	3,821
Federal Welfare Aid	1,886	1,764	1,614	951	2,309
General Corporation Tax	1,551	1,882	2,133	2,177	2,246
Water and Sewer Fees	1,393	1,397	1,226	1,365	1,429
Mortgage and Real Property Transfer Taxes	1,382	1,476	1,366	1,241	1,284
NYS Higher Education Aid	688	312	310	59	916
Unincorporated Business Tax	780	772	765	957	826
Federal Education Aid	347	932	331	557	638
Fines and Forfeitures	511	613	531	498	587
NYS Welfare Aid	578	752	685	215	524
Commercial Rent Tax	404	430	425	459	486
Hotel Occupancy Tax	299	313	312	305	341
Senior College Fees	187	213	148	165	335

Federal and State Aid

Chart 8. Federal & State Aid to NYC, 1H, FY15 - FY19

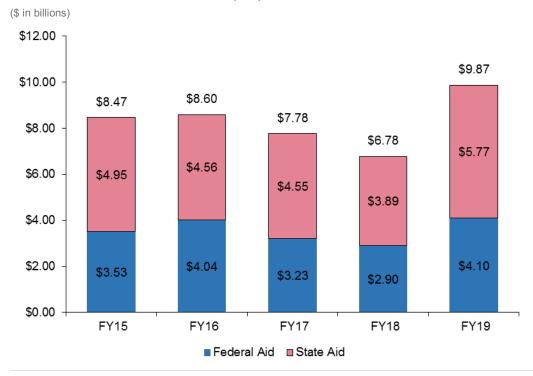


Chart 9. Federal & State Aid as % of Total Cash Receipts, 1H, FY15 - FY19

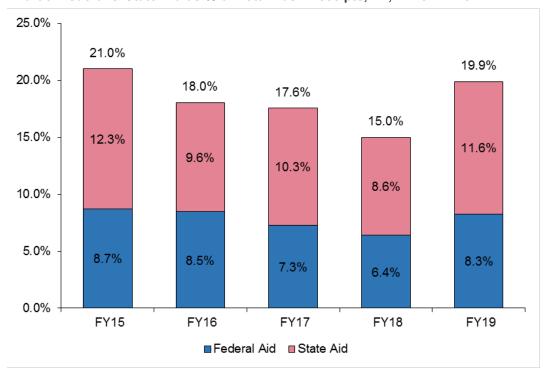


Chart 10. Components of State Aid, 1H, FY15 - FY19

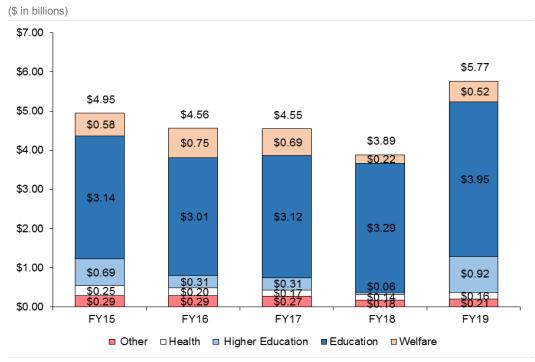
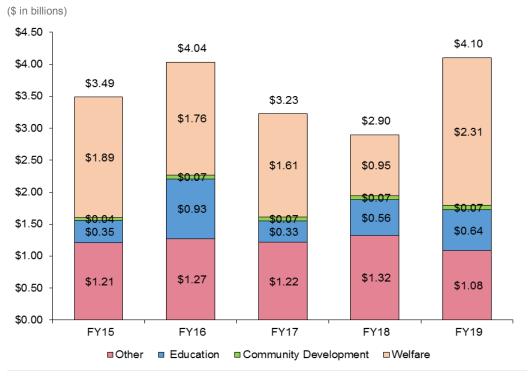


Chart 11. Components of Federal Aid, 1H, FY15 - FY19



The combined 1H19 total of Federal and State aid increased by more than \$3 billion compared to the same period last year. Welfare aid from the Federal and State governments rose from \$1.2 billion in 1H18 to \$2.8 billion in 1H19. At the same time, the State aid for higher education increased from \$59 million in 1H18 to \$916 million in 1H19.

Cash Expenditures (Including Capital)

October 2018 - December 2018 (2019)

Cash Expenditures at a Glance

Table 9. PS & OTPS, 2Q, FY10 - FY19

(\$ in millions)	2Q10	2Q11	2Q12	2Q13	2Q14	2Q15	2Q16	2Q17	2Q18	2Q19
Gross Payroll	\$6,071	\$6,154	\$5,775	\$5,953	\$5,961	\$6,333	\$7,284	\$6,955	\$7,777	\$8,638
Fringe and Other	3,289	2,821	3,402	3,600	3,573	3,715	3,897	4,190	4,488	4,700
Total PS	\$9,360	\$8,975	\$9,177	\$9,553	\$9,534	\$10,048	\$11,181	\$11,145	\$12,265	\$13,338
% of 2Q Total Exp	50%	50%	50%	50%	49%	50%	50%	50%	52%	51%
# of Bi-weekly Payrolls	7	7	6	6	6	6	7	7	7	7
Public Assistance	\$646	\$629	\$591	\$610	\$629	\$634	\$673	\$750	\$801	\$950
Medical Assistance	1,066	1,330	1,262	1,466	1,386	1,524	1,431	1,266	1,536	1,271
Other Social Services	742	595	621	557	584	649	644	703	624	798
Vendor and Other	3,330	3,399	3,701	3,909	4,244	4,530	4,782	5,022	5,819	5,920
Total OTPS	\$5,784	\$5,953	\$6,175	\$6,542	\$6,843	\$7,337	\$7,530	\$7,741	\$8,780	\$8,939
% of 2Q Total Exp	31%	33%	33%	35%	35%	36%	33%	35%	37%	34%
All Other	\$3,593	\$3,039	\$3,182	\$2,868	\$3,160	\$2,850	\$3,842	\$3,420	\$2,607	\$3,836
% of 2Q Total Exp	19%	17%	17%	15%	16%	14%	17%	15%	11%	15%
Total Expenditures	\$18,737	\$17,967	\$18,534	\$18,963	\$19,537	\$20,235	\$22,553	\$22,306	\$23,652	\$26,113
Total Expenditures, Net of CapEx	\$16,037	\$15,869	\$16,263	\$17,182	\$17,632	\$18,684	\$20,648	\$20,588	\$21,853	\$23,590

Cash expenditures, including capital, totaled \$26.113 billion in 2Q19, averaging \$421.180 million daily. During the same period last year, cash expenditures totaled \$23.652 billion and averaged \$387.7 million daily. Gross payroll increased 11.1%, while fringe benefits rose 4.7%. Fringe benefits include pension, social security, health plan, and supplemental (union-related) welfare benefits. Other than personal service expenditures (OTPS) grew 1.8%. Public assistance spending was up 18.6%, while other social service spending jumped 27.9%. Medical assistance was down 17.3%. Outlays in the "All Other" category increased 47.1%, as a result of higher City and Non-City-funded capital expenditures, bigger tax refunds, and a positive Fund 700 adjustment.

"All Other" Spending

Table 10. Major Components of "All Other" Spending, 2Q18 & 2Q19

(\$ in millions)	2Q18	2Q19	Difference
Transit Authority	\$36	\$15	\$(21)
Housing Authority	9	48	39
Lump Sum Payments	610	611	1
HHC	73	70	(3)
Refunds	194	420	226
City-Funded Capital	1,629	2,134	505
Non-City-Funded Capital	169	390	221
Fund 700 Adjustment	(110)	148	258

Certain bookkeeping procedures within the City's financial management system serve as a mechanism through which City agencies give notice of upcoming expenditures or of funds held in trust on behalf of non-City entities. Such entries are collectively captured in the Fund 700 adjustment and are deducted from our calculation of the unrestricted cash balance. As the City's business proceeds throughout the year, the Fund 700 adjustment may be reflected as a positive expense (more cash excluded from the unrestricted balance) or as a negative expense (as previously disclosed Fund 700 obligations are satisfied). In 2Q19, the Fund 700 adjustment was reflected as a positive expense, and it reduced the unrestricted cash balance by \$148 million. In 2Q18, the Fund 700 adjustment was reflected as a negative expense, and it increased the unrestricted cash balance by \$110 million.

July 2018 - December 2018 (1H19)

Cash Expenditures at a Glance

Table 11. PS & OTPS, 1H, FY10 - FY19

(\$ in millions)	1H10	1H11	1H12	1H13	1H14	1H15	1H16	1H17	1H18	1H19
Gross Payroll	\$11,830	\$12,121	\$11,951	\$12,012	\$12,095	\$12,758	\$14,320	\$14,061	\$14,934	\$15,961
Fringe and Other	6,329	6,029	6,694	6,966	7,233	7,611	7,853	8,469	8,695	9,061
Total PS	\$18,159	\$18,150	\$18,645	\$18,978	\$19,328	\$20,369	\$22,173	\$22,530	\$23,629	\$25,022
% of Total Exp	49%	49%	49%	50%	47%	50%	48%	49%	50%	48%
Public Assistance	\$1,413	\$1,282	\$1,223	\$1,190	\$1,269	\$1,283	\$1,379	\$1,521	\$1,751	\$2,010
Medical Assistance	2,438	2,511	2,912	3,088	2,763	2,877	2,883	2,634	2,723	2,794
Other Social Services	1,423	1,250	1,182	1,195	1,236	1,274	1,307	1,400	1,337	1,613
Vendor and Other	6,984	7,219	7,735	7,726	8,769	9,566	9,910	10,729	11,202	12,246
Total OTPS	\$12,258	\$12,262	\$13,052	\$13,199	\$14,037	\$15,000	\$15,479	\$16,284	\$17,013	\$18,663
% of Total Exp	33%	33%	35%	35%	34%	36%	35%	36%	36%	36%
All Other	\$6,895	\$6,720	\$6,058	\$5,871	\$7,703	\$5,616	\$7,918	\$6,841	\$6,972	\$7,957
% of Total Exp	18%	18%	16%	15%	19%	14%	17%	15%	14%	15%
Total Expenditures	\$37,312	\$37,132	\$37,755	\$38,048	\$41,068	\$40,985	\$45,570	\$45,655	\$47,614	\$51,642
Total Expenditures, Net of CapEx	\$32,084	\$32,137	\$33,607	\$34,118	\$36,790	\$37,414	\$41,594	\$41,643	\$43,468	\$46,684

Cash expenditures in 1H19 grew 8.5% compared to the same period last year. Personal service expenditures rose 5.9%, to \$25 billion. Other than personal service expenditures increased 9.7%, to \$18.7 billion. Public assistance payments jumped 14.8%, followed by vendor and other payments (up 9.3%) and medical assistance (up 2.6%). Other social services were up 20.6%. Outlays considered "All Other" rose 14.1%, mostly due to higher City and non-City-funded capital spending and bigger tax refunds.

"All Other" Spending

Table 12. Major Components of "All Other" Spending, 1H18 & 1H19

(\$ in millions)	1H18	1H19	Difference
Transit Authority	\$254	\$270	\$16
Housing Authority	13	62	49
Lump Sum Payments	1,450	1,440	(10)
HHC	474	233	(241)
Refunds	474	745	271
City-Funded Capital	3,721	4,350	629
Non-City-Funded Capital	424	671	247
Fund 700 Adjustment	154	182	28

Capital Expenditures

City-funded capital expenditures are primarily financed from the proceeds of General Obligation (GO), New York City Transitional Finance Authority (TFA), and New York City Municipal Water Finance Authority (NY Water) debt. Beginning in 2Q07, non-City-funded capital expenditures for education were financed by TFA Building Aid bonds and Expanding Our Children's Education and Learning (EXCEL) capital grant funding from the Dormitory Authority of the State of New York (DASNY). Capital expenditures are initially paid from the New York City Central Treasury and then reimbursed from various capital accounts and State sources.

October 2018 - December 2018 (2Q19)

Chart 12. Total CapEx, 2Q, FY10 - FY19

(\$ in millions)

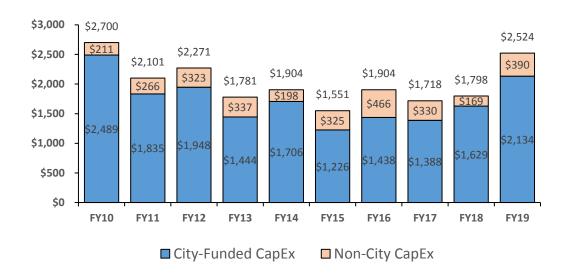
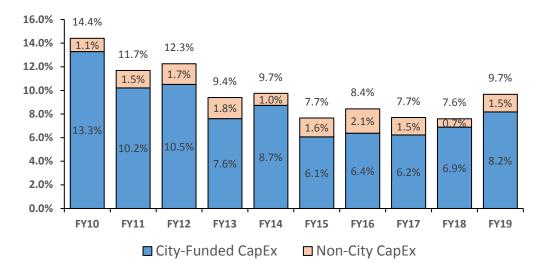


Chart 13. Total CapEx as % of Total Expenditures, 2Q, FY10 - FY19



CapEx totaled \$2.524 billion in 2Q19, up 40.4% from \$1.798 billion in 2Q18. Non-City-funded CapEx jumped 130.8% while City-funded CapEx went up 31.0%.

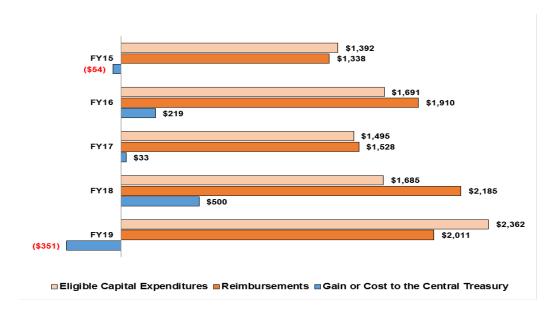
Reimbursements to the New York City Central Treasury for Capital Expenditures

Table 13. Reimbursements to the NYC Central Treasury for CapEx, 2Q, FY10 - FY19

(\$ in millions)	2Q10	2Q11	2Q12	2Q13	2Q14	2Q15	2Q16	2Q17	2Q18	2Q19	Total
GO	\$1,399	\$885	\$977	\$127	\$901	\$24	\$47	\$244	\$998	\$0	\$5,602
NY Water	785	693	582	470	397	315	334	409	432	438	4,855
TFA	937	613	797	768	1,324	999	1,529	875	755	1,573	10,170
City-Funded Sub-Total	\$3,121	\$2,191	\$2,356	\$1,365	\$2,622	\$1,338	\$1,910	\$1,528	\$2,185	\$2,011	\$20,627
TFA Building Aid	0	269	297	132	0	0	0	0	0	0	698
DASNY	0	0	0	0	0	0	0	0	0	0	0
Non-City Sub-Total	\$0	\$269	\$297	\$132	\$0	\$0	\$0	\$0	\$0	\$0	\$698
Total	\$3,121	\$2,460	\$2,653	\$1,497	\$2,622	\$1,338	\$1,910	\$1,528	\$2,185	\$2,011	\$21,325
2Q Reimbursable Capital Expenditures	\$2,442	\$1,962	\$2,105	\$1,583	\$1,706	\$1,392	\$1,691	\$1,495	\$1,685	\$2,362	\$18,423
2Q Reimbursements Less 2Q Reimbursable Capital Expenditures	\$679	\$498	\$548	(\$86)	\$916	(\$54)	\$219	\$33	\$500	(\$351)	\$2,902
2Q Reimbursements as a % of 2Q Reimbursable Capital Expenditures	127.8%	125.4%	126.0%	94.6%	153.7%	96.1%	113.0%	102.2%	129.7%	85.1%	115.8%
2Q Reimbursements as a % of 2Q Total Receipts	16.2%	13.1%	13.4%	7.9%	11.8%	6.6%	7.7%	6.9%	9.2%	8.0%	9.9%

Reimbursements to the Central Treasury for CapEx trailed reimbursable expenditures during 2Q19. CapEx is initially paid from the City Treasury and then reimbursed from bond proceeds as appropriate. Over the long term, CapEx and reimbursements should balance. However, from quarter to quarter, the lag between an expenditure and the offsetting reimbursement can result in a gain or loss to the Central Treasury. In 2Q19, this dynamic resulted in a drain of \$351 million.

Chart 14. Bond-Funded Reimbursements for Eligible CapEx, 2Q, FY15 - FY19 (\$ in millions)



July 2018 - December 2018 (1H19)

Chart 15. Total CapEx, 1H, FY10 - FY19

(\$ in millions)

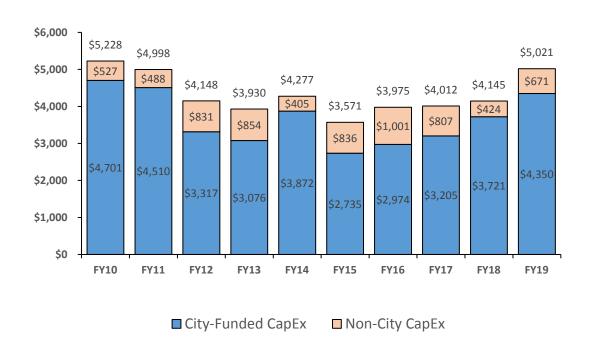
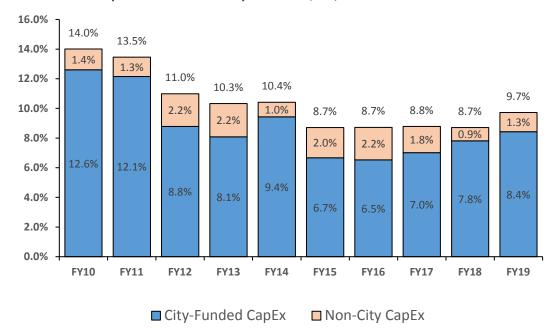


Chart 16. Total CapEx as % of Total Expenditures, 1H, FY10 - FY19



Total CapEx equaled \$5.021 billion in 1H19 compared to \$4.145 billion during the same period last year. Non-City-funded CapEx jumped 58.3% while City-funded CapEx grew 16.9%.

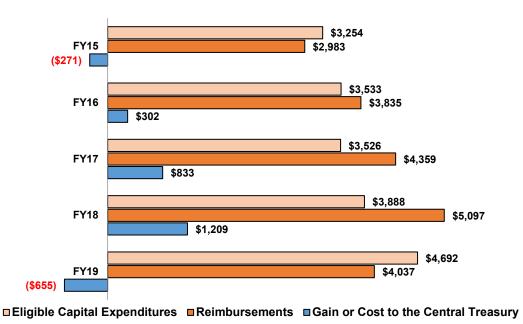
Reimbursements to the New York City Central Treasury for Capital Expenditures

Table 14. Reimbursements to the NYC Central Treasury, 1H, FY10 - FY19

(\$ in millions)	1H10	1H11	1H12	1H13	1H14	1H15	1H16	1H17	1H18	1H19	Total
GO	\$1,932	\$1,644	\$1,433	\$422	\$1,372	\$357	\$609	\$1,532	\$998	\$38	\$10,336
NY Water	1,396	1,648	1,157	986	817	673	687	732	816	899	9,811
TFA	1,545	1,783	1,369	1,982	2,135	1,953	1,707	2,095	3,283	3,100	20,953
City-Funded Sub- Total	\$4,873	\$5,075	\$3,959	\$3,390	\$4,324	\$2,983	\$3,003	\$4,359	\$5,097	\$4,037	\$41,100
TFA Building Aid	182	269	577	730	0	0	832	0	0	0	2,590
DASNY	6	0	0	0	0	0	0	0	0	0	6
Non-City Sub-Total	\$188	\$269	\$577	\$730	\$0	\$0	\$832	\$0	\$0	\$0	\$2,596
Total	\$5,061	\$5,344	\$4,536	\$4,120	\$4,324	\$2,983	\$3,835	\$4,359	\$5,097	\$4,037	\$43,696
1H Reimbursable Capital Expenditures	\$4,823	\$4,683	\$3,757	\$3,570	\$3,872	\$3,254	\$3,533	\$3,526	\$3,888	\$4,692	\$39,597
1H Reimbursements Less 1H Reimbursable Capital Expenditures	\$238	\$661	\$779	\$550	\$452	(\$271)	\$302	\$833	\$1,209	(\$655)	\$4,099
1H Reimbursements as a % of 1H Reimbursable Capital Expenditures	104.9%	114.1%	120.8%	115.4%	111.7%	91.7%	108.5%	123.6%	131.1%	86.0%	110.4%
1H Reimbursements as a % of 1H Total Receipts	13.8%	13.8%	11.6%	10.9%	10.4%	7.4%	8.0%	9.8%	11.3%	8.1%	10.4%

1H19 reimbursements trailed eligible spending, resulting in a \$655 million drain to the Central Treasury. Over the past ten years, 1H reimbursements have exceeded eligible spending by 10.4%.

Chart 17. Bond-Funded Reimbursements for Eligible CapEx, 1H15 - 1H19 (\$ in millions)



Financings

Table 15. FY 2019 Projected New Money vs. 1H19 Actual New Money GO, TFA FTS, and TFA BARBs Issuance

(\$ in billions)	FY19 Projected Issuance	1H19 Issuance	Remaining Issuance
GO	\$2.3	\$1.2	\$1.1
TFA FTS	\$3.9	\$2.9	\$1.0
TFA BARBs	\$0.5	\$0.5	\$0.0
Total	\$6.7	\$4.6	\$2.1

Projected bond issuance is based on OMB's February 2019 Financial Plan.

In FY19, the City plans to issue \$6.7 billion in GO, TFA FTS, and TFA BARBs for new money capital purposes. The City issued \$4.6 billion of new money debt in 1H19, leaving \$2.1 billion of issuance planned for the remainder of the current fiscal year.

Table 16. GO, TFA FTS, and TFA BARBs Bond Issuance, 1H19

(\$ in millions)

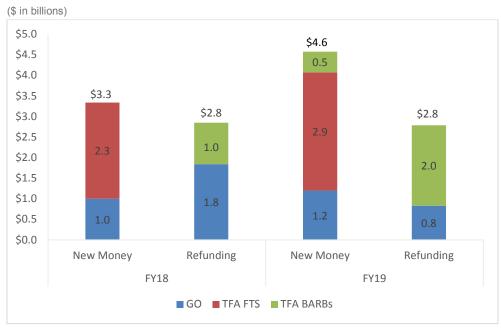
Closing Date	Deal	Purpose	TE Fixed	TX Fixed*	TE Variable	Total Par
7/26/2018	TFA BARBs 2019 Series S-1	New Money	\$500	\$0	\$0	\$500
7/26/2018	TFA BARBs 2019 Series S-2	Refunding	\$429	\$115	\$0	\$544
8/10/2018	TFA FTS 2019 Series A	New Money	\$850	\$300	\$200	\$1,350
8/22/2018	GO 2019 Series ABC	Refunding	\$771	\$60	\$0	\$831
9/25/2018	TFA FTS 2019 Series B	New Money	\$750	\$500	\$275	\$1,525
10/25/2018	TFA BARBs 2019 Series S-3	Refunding	\$1,218	\$194	\$0	\$1,412
12/18/2018	GO 2019 Series D	New Money	\$700	\$350	\$150	\$1,200

^{*}Designates series of bonds that were sold via competitive sale.

The table excludes conversions and re-offerings.

Two transactions closed in 2Q19. The first transaction was a refunding sale of approximately \$1.4 billion of TFA Building Aid Revenue Bonds. The refunding achieved \$227.4 million in budget savings, or \$213.4 million on a present-value basis. The second transaction was a new money sale of \$1.2 billion of GO bonds. The GO sale included approximately \$700 million of tax-exempt fixed rate bonds, \$350 million of taxable fixed rate bonds, and \$150 million of tax-exempt variable rate bonds.

Chart 18. GO, TFA FTS, and TFA BARBs Issues, 1H18 & 1H19



The pace of bond issuance in 1H19 exceeded last year's pace. In 1H19, the City issued \$4.6 billion in new money bonds and \$2.8 billion in refunding bonds. Over the same period last year, the City issued \$3.3 billion in new money bonds and \$2.8 billion in refunding bonds.

Prepared by Irina Livshits, Division Chief Andrew Rosenthal, Analyst; Michele Griffin, Analyst; and Alex Huang, Analyst

Published by the NYC Comptroller's Office, Bureau of Budget

Preston Niblack, Deputy Comptroller for Budget



1 Centre Street, New York, NY 10007 (212) 669-3500 • comptroller.nyc.gov
■ @NYCComptroller