

City of New York

April 15, 2023

Hon. Helene Weinstein
Chair, Assembly Ways and Means Committee
Room 711-A, Legislative Office Building
Albany, NY 12248

Comptroller Thomas P. DiNapoli
Gov. A.E. Smith Office Building
Albany, NY 12236

Hon. Liz Krueger
Chair, Senate Finance Committee
172 State Street, Capitol Building
Room 416 Cap
Albany, NY 12247

Robert Megna, Director
New York State Division of the Budget
The Capitol
Albany, NY 12224

Re: Quarterly Report on Interest Rate Exchange Agreements pursuant
to Section 54.90 of the Local Finance Law as of March 31 2023

The City of New York (the “City”) is filing this report pursuant to Section 54.90 of the New York State Local Finance Law (“LFL”). Terms used herein that are not defined have the meanings ascribed thereto in Section 54.90 of the LFL. The City Swap Transaction Summary (the “Summary”) is attached hereto as Exhibit A. For information on Interest Rate Exchange Agreements (“IREAs”) that have terminated, please see the Quarterly Report dated January 15, 2023.

Description of the Interest Rate Exchange Agreements

A. City as Counterparty

The City has entered into a separate ISDA Master Agreement and Schedule to the Master Agreement (collectively, a “Master Agreement”) with various counterparties (individually, a “Counterparty” and collectively, the “Counterparties”). Each Master Agreement, together with the related confirmation or confirmations, is hereinafter referred to as an “Interest Rate Exchange Agreement”, “IREA” or “Swap”. All of the City’s swaps, except for the one listed in the table below (the “USB Swap”), have expired or been terminated.

Transaction Type	Counterparty	Notional Amount as of 3/31/2023	Initial Trade Date	Termination Date
Synthetic Fixed	U.S. Bank, N.A. (“USB”)	\$43,450,000	January 9, 2003	August 1, 2026

The total notional amount of the USB Swap as of March 31, 2023 is \$43,450,000. Exhibit A attached hereto sets forth the terms of the swap in greater detail.

The USB Swap was initially procured through negotiation between the City and UBS AG (“UBS”), the initial Counterparty.

On April 1, 2008, the City executed a bond refunding transaction pursuant to which a portion of the bonds associated with USB Swap were refunded. The USB Swap is not integrated for tax purposes and is considered an investment derivative for accounting purposes. Nevertheless, the USB Swap remains in effect.

On October 5, 2016, the City novated the USB Swap from UBS to USB. The rating of UBS was A1/A+. The rating of USB was A1/AA-.

The estimated total mid-marked-to-market value of the USB Swap as of March 31, 2023 is approximately (\$711,743). (This is the net amount the City would owe to USB if the transaction were terminated on that date exclusive of unwind costs or benefits in connection with the termination.)

Payments under the Transactions

As of March 31, 2023, the City has received a total of \$28,910,609 from USB or the original counterparty under the USB Swap which includes option premiums and upfront payments. As of March 31, 2023, the City has made payments of \$73,460,345 pursuant to the USB Swap

Credit Enhancement

There have been no liquidity facilities or reserves provided in connection with the USB Swap. The City and USB have agreed to post collateral securing the termination value of the swap. Under the Master Agreement with USB, the City is required to post collateral if the credit ratings of the City go below Baa3 and BBB-. USB is required to post collateral if one of its credit ratings goes below Aa3/AA-.

Costs and Expenses

The aggregate costs and expenses incurred in connection with the execution of the USB Swap together with a second swap, which was subsequently terminated (swap number 6 in prior reports) were approximately \$65,000, consisting of approximately \$25,000 in legal fees and \$40,000 in swap advisory fees.

The costs and expenses incurred in connection with the novation of the USB Swap along with a second swap that was subsequently terminated (swap number 4 in prior reports) consisted of \$7,500 in swap advisory fees.

Description of Counterparty

USB, a national banking association organized under the laws of the United States, is rated A1/AA-. The ratings are as of March 31, 2023.

Risk Assessment

Counterparty Risk: The risk is that a counterparty (or its guarantor) will not meet its obligations under the swap. If a counterparty were to default under its agreement when the counterparty would owe a termination payment to the City, the City may have to pay another entity to assume the position of the defaulting counterparty. The City has sought to limit its counterparty risk by contracting only with highly rated entities or requiring guarantees of the counterparty's obligations under the swap documents. The City also manages counterparty risk by exercising its rights under the various Master Agreements to novate IREAs to higher-rated counterparties or terminate IREAs.

Termination Risk: The risk is that a counterparty will optionally terminate a swap at a time when the City owes it a termination payment. The City has mitigated this risk by specifying that the counterparty has the right to terminate only as a result of certain events, including: a payment default by the City; other City defaults which remain uncured for 30 days after notice; City bankruptcy; insolvency of the City (or similar events); or a downgrade of the City's credit rating below investment grade (i.e., Baa3/BBB-).

Basis Risk: The risk is that the City's variable rate bond payments will not equal its variable rate swap receipts because they are based on different indices. Under the terms of the USB Swap, which is a LIBOR-based swap, the City pays a variable rate on its bonds based on the tax-exempt variable rate market but receives a variable rate based on a percentage of one month LIBOR. The City budgets sufficient amounts to cover any basis costs.

Tax Risk: The risk is that a change in Federal tax rates will alter the fundamental relationship between tax-exempt and taxable rates. A reduction in Federal tax rates, for example, could result in increases to tax-exempt variable rates, which would cause an increase in the City's payment on its underlying variable rate bonds in the synthetic fixed rate transaction. The Tax Cuts and Jobs Act ("TCJA") reduced the corporate federal income tax rate from 35% to 21% effective as of January 1, 2018, in addition to reducing certain individual income tax brackets. The outlook for future tax-exempt rates and tax-exempt/taxable ratios remains uncertain.

Discontinuation of LIBOR Risk: On March 5, 2021, ICE Benchmark Administration Limited ("IBA") and Financial Conduct Authority ("FCA") announced that the LIBOR cessation date for most USD LIBOR tenors, including 1 Month LIBOR, will be June 30, 2023 (the "LIBOR Cessation Date"). Under the USB Swap, which is scheduled to still be in effect on the LIBOR Cessation Date, the City receives a percentage of 1 Month LIBOR.

On October 23, 2020, ISDA published Fallback Supplement and Fallback Protocol. The supplement (effective since January 25, 2021) provides fallback language by amending the ISDA interbank offered rate ("IBOR") definitions (including USD LIBOR) to include a fallback rate in case of LIBOR discontinuation. This fallback language can be implemented by adhering to the Fallback Protocol or negotiating bilateral agreements. The City intends to adopt the protocol in the near future. The March 5, 2021 announcement also triggered the fixing of the USD LIBOR-SOFR fallback spread adjustment. SOFR, the Secured Overnight Financing Rate, is a broad measure of the cost of borrowing cash overnight collateralized by treasury securities. When, as expected, the City adopts the Protocol, the USB Swap will convert to 60.8 percent of SOFR plus the predetermined spread of .07% after the LIBOR cessation date.

See Exhibit B for a matrix showing how changes in market conditions would affect the City's exposure (defined as "Value at Risk" in the City's Interest Rate Exchange Agreement Policy) on the USB Swap.

B. Dormitory Authority of the State of New York as Counterparty:

The Dormitory Authority of the State of New York (“DASNY”) entered into separate Master Agreements with each of the Counterparties listed in the table below for Transactions numbered D3 and D4. The City is obligated, subject to appropriation, to make lease payments to DASNY reflecting DASNY’s obligations. IREAs numbered D1 and D2 have terminated and are not described in this Quarterly Report.

Transaction	Counterparty	Notional Amount as of 3/31 /2023	Trade Date	Termination Date
D3: Synthetic Fixed	Goldman Sachs Matsui Marine Derivative Products LP (“GSMMDP”)	\$80,680,000	June 1, 2005	May 15, 2039
D4: Synthetic Fixed	JPM	\$44,820,000	June 1, 2005	May 15, 2039
		Total: \$125,500,000		

Each of DASNY’s IREAs was procured through negotiation among DASNY, the City and the Counterparties. DASNY received an independent finding that the terms and conditions of each of the transactions reflected fair market value as of their respective pricing dates.

The estimated total mid-marked-to-market value of IREAs D3 and D4, as of March 31, 2023, is approximately (\$13,059,401). The estimated mid-marked-to-market value of the IREAs by counterparty is as follows: GSMMDP (\$8,395,485); JPM (\$4,663,916).

Payments under the Transactions

As of March 31, 2023, DASNY received payments of \$21,108,690 under its outstanding swaps. As of March 31, 2023, DASNY has made payments of \$65,945,352 under its outstanding IREAs.

Credit Enhancement

There are no liquidity facilities or reserves provided in connection with the DASNY IREAs. Under the Master Agreements with GSMMDP and JPM, DASNY is required to post collateral if either of the City’s credit ratings goes below Baa2 or BBB. Each of GSMMDP and JPM is required to post collateral if each of its credit ratings is below Aa3 or AA- or if it has any credit rating of less than A3 or A-.

Costs and Expenses

The costs and expenses incurred in connection with the DASNY IREAs were paid by DASNY and consisted of \$25,000 in legal fees and \$111,000 in swap advisory fees. The costs and expenses for the DASNY IREAs numbered D3 and D4 were aggregated with the costs and expenses associated with IREAs D1 and D2, which were subsequently terminated and are not described in this Quarterly Report.

Description of Counterparties

GSMMDP is a limited partnership organized under the laws of the State of Delaware. It is a joint venture of The Goldman Sachs Group and Mitsui Sumitomo Insurance Co., Ltd. GSMMDP is rated Aa2/AA-. JPM is a national bank incorporated in the State of Delaware and is rated Aa2/A+. All ratings are as of March 31, 2023.

Risk Assessment

The counterparty risks associated with the DASNY IREAs are comparable to those of the City in connection with its IREAs. The termination risk involves the Counterparty's ability to terminate should the City's credit rating fall below Baa3/BBB-. The transactions involve the risk of a shortfall between the variable rate paid on the underlying bonds and the variable rate received in connection with the IREAs. The tax risk and potential discontinuation of LIBOR risk associated with the DASNY IREAs are comparable to those of the City in connection with its IREAs. The steps taken by DASNY to reduce or mitigate risks on the DASNY IREAs are comparable to those taken by the City in connection with its IREAs. Similar to the City, DASNY can address the LIBOR cessation by adhering to the ISDA Fallback Protocol. If DASNY adheres to the Protocol, both DASNY IREAs D3 and D4 would convert to 64.3% of SOFR plus the fallback adjustment spread of 0.074% after the LIBOR Cessation Date.

See Exhibit B for a matrix showing how changes in market conditions would affect DASNY's exposure in connection with the DASNY IREAs.

This report reflects information in connection with IREAs through March 31, 2023.

A copy of the City's Interest Rate Exchange Agreement Policy (the "Policy") adopted by the Mayor and Comptroller of the City was provided to you with the quarterly report dated January 14, 2003. The Policy was amended for the first time on June 26, 2013. The Policy, as amended, was provided to you with the quarterly report dated July 15, 2013.

Yours truly,



David M. Womack
Deputy Director
New York City Office of
Management and Budget

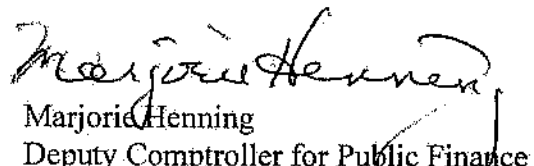
Marjorie Henning
Deputy Comptroller for Public Finance
New York City Comptroller's Office

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Yours truly,

David M. Womack
Deputy Director
New York City Office of
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City of New York

Swap Transaction Summary

Transaction	5
Current Authorizing Law	54.90.c*
Corresponding Bond Series	2012 G-6
Swap Type	Synthetic Fixed
Counterparty	U.S. Bank National Association ¹
Credit Ratings (S&P / Moody's)	AA-/A1
Guarantor Credit Ratings (S&P/Moody's)	See above
Original Notional Amount	\$135,050,000
Current Notional Amount	\$43,450,000
Up Front Cash Payment to City	N/A
Effective Date	1/22/2003
Termination Date	8/1/2026
Option Exercise Date	Expired
Option Premium	\$7,467,000.00
City Pays	3.259%
Actual Payments Made by City as of 3/31/2023	UBS: (\$57,228,080.74) USB: (\$16,232,264.26)
Actual Payments Received by City as of 3/31/2023	UBS: \$17,365,971.82 Novation: \$75,000 USB: \$4,002,637.35
City Receives	60.8% of USD-LIBOR-BBA
First Counterparty Payment Date	UBS: 2/3/2003 U.S. Bank: 11/1/2016
First City Payment Date	UBS: 8/1/2003 U.S. Bank: 2/1/2017
Marked to Market Value as of 3/31/2023 (shown as negative number if the City would owe payment)	(\$711,743)

*The City's swaps were executed under Section 54.90 of the Local Finance Law of the State of New York.

¹Novated to U.S. Bank from UBS on 10/5/2016.

Swap Transaction Summary

Transaction	D-3	D-4
Current Authorizing Law	Section 2926*	Section 2926*
Corresponding Bond Series	DASNY 2005 A & B	DASNY 2005 A & B
Swap Type	Synthetic Fixed	Synthetic Fixed
Counterparty	Goldman Sachs Mitsui Marine Derivative Products LP	JP Morgan Chase Chase Bank, N.A.
Credit Ratings (S&P/Moody's)	AA-/Aa2	A+/Aa2
Guarantor Credit Ratings (S&P/Moody's)	See above	See above
Original Notional Amount	\$80,680,000	\$44,820,000
Current Notional Amount	\$80,680,000	\$44,820,000
Up Front Cash Payment to DASNY	N/A	N/A
Effective Date	6/15/2005	6/15/2005
Termination Date	5/15/2039	5/15/2039
Option Exercise Date	N/A	N/A
Option Premium	N/A	N/A
DASNY Pays	3.017%	3.017%
Actual Payments Made by DASNY as of 3/31/2023	(\$42,394,191)	(\$23,551,161)
Actual Payments Received by DASNY as of 3/31/2023	\$13,494,916.82	\$7,613,773
DASNY Receives	64.3 % of USD-LIBOR- BBA.	64.3 % of USD-LIBOR- BBA.
First Counterparty Payment Date	7/15/2005	7/15/2005
First DASNY Payment Date	11/15/2005	11/15/2005
Marked to Market Value as of 3/31/2023 (shown as negative number if the DASNY would owe payment)	(\$8,395,485)	(\$4,663,916)

* DASNY swaps were executed under Section 2926 of the Public Authorities Law of the State of New York

City of New York Value at Risk Termination Matrix

Swap 5 (U.S. Bank)			
Rate Change from Value Date 3/31/2023	Valuation Net of Accruals 3/31/2023	Accruals (1) 3/31/2023	Mid-Market Valuation 3/31/2023
0.00%	(\$583,042)	(\$128,701)	(\$711,743)
0.25%	(\$469,847)	(\$128,701)	(\$598,548)
0.50%	(\$362,034)	(\$128,701)	(\$490,736)
0.75%	(\$255,094)	(\$128,701)	(\$383,795)
-0.25%	(\$688,117)	(\$128,701)	(\$816,818)
-0.50%	(\$798,591)	(\$128,701)	(\$927,292)

(1) Accruals represent 236,005.92 of fixed rate accruals since last Fixed Rate Payer Date less \$107,304.77 of variable rate accruals since last Floating Rate Payer Date.
 (2) The swap was novated to U.S. Bank from UBS on 10/5/2016.

Swap 5 (U.S. Bank)	
Swap Cashflows Since Swap Inception	
Total Variable Cashflows Accrued/Received by City	\$21,475,913.94
Total Fixed Accrued/Paid Outflows of City	(\$73,696,350.92)
Net Cashflows	(\$52,220,436.98)

*City received an upfront cash payment of \$7,467,000 and a novation payment of \$75,000 which is not included above.

City of New York Value at Risk Termination Matrix

Swap D-3 (Goldman Sachs)			
Rate Change from Value Date 3/31/2023	Valuation Net of Accruals 3/31/2023	Accruals (1) 3/31/2023	Mid-Market Valuation 3/31/2023
0.00%	(\$7,591,233)	(\$804,252)	(\$8,395,485)
0.25%	(\$7,433,868)	(\$804,252)	(\$8,238,120)
0.50%	(\$7,296,152)	(\$804,252)	(\$8,100,404)
0.75%	(\$7,161,576)	(\$804,252)	(\$7,965,828)
-0.25%	(\$7,719,073)	(\$804,252)	(\$8,523,325)
-0.50%	(\$7,866,744)	(\$804,252)	(\$8,670,996)

(1) Accruals represent \$919,554.78 of fixed rate accruals since last Fixed Rate Payer Date less \$115,302.73 of variable rate accruals since last Floating Rate Payer Date.

Swap D-3 (Goldman Sachs)	
Swap Cashflows Since Swap Inception	
Total Variable Cashflows Accrued/Received by DASNY	\$13,610,219.55
Total Fixed Accrued/Paid Outflows of DASNY	(\$43,313,745.86)
Net Cashflows	(\$29,703,526.31)

Swap D-4 (JPMorgan Chase)			
Rate Change from Value Date 3/31/2023	Valuation Net of Accruals 3/31/2023	Accruals (1) 3/31/2023	Mid-Market Valuation 3/31/2023
0.00%	(\$4,217,132)	(\$446,785)	(\$4,663,916)
0.25%	(\$3,421,913)	(\$446,785)	(\$3,868,697)
0.50%	(\$2,651,158)	(\$446,785)	(\$3,097,942)
0.75%	(\$1,904,060)	(\$446,785)	(\$2,350,845)
-0.25%	(\$5,037,649)	(\$446,785)	(\$5,484,433)
-0.50%	(\$5,884,330)	(\$446,785)	(\$6,331,114)

(1) Accruals represent \$510,838.44 of fixed rate accruals since last Fixed Rate Payer Date less \$64,053.90 of variable rate accruals since last Floating Rate Payer Date.

Swap D-4 (JP Morgan Chase)	
Swap Cashflows Since Swap Inception	
Total Variable Cashflows Accrued/Received by DASNY	\$7,677,826.62
Total Fixed Accrued/Paid Outflows of DASNY	(\$24,061,999.36)
Net Cashflows	(\$16,384,172.74)

Global Swap Assumptions

- 1) Swap Values evaluated using market data as of March 31, 2023
- 2) Change from Value Date represents parallel curve shifts from the base rate curve as of March 31, 2023
- 3) Valuation Net of Accrual represents swap mid-market valuation at the respective interest rates levels net of accruals on March 31, 2023
- 4) Accruals represent (payments)/receipts accrued by the City at March 31, 2023 under the swap agreements. Accruals calculated as City's accrued receipts less accrued payments.
- 5) Mid-market valuations are indicative only and subject to change with varying market conditions.
- 6) Accrual information calculated and provided by City.
- 7) Swaps D-3 and D-4 are swaps executed by DASNY. The City is obligated, subject to lease appropriation, to make lease payments to DASNY.