



MEMORANDUM

To: Members of the Audit Committee

From: Mary Hom
Chief Risk Officer

Date: November 21, 2023

Re: Counterparty Credit Risk Exposure

Please find attached an unaudited report detailing the Corporation's counterparty exposure as of October 31, 2023. The previous report to the Audit Committee was dated September 30, 2023.

There were no rating agency actions of note, and there were no new approved counterparties.

HDC's counterparty exposure remains diversified with the largest exposures being with FNMA, FHLMC, and Wells Fargo. The Wells Fargo exposure is primarily in the form of construction letters-of-credit covering 25 projects and five interest rate hedges.

Investments rated double-A or higher were 48% of total investments, versus 51% at the last report. Investments rated triple-B or not rated were 37% of total investments, versus 35% at the last report. All investments rated triple-B or not rated are fully collateralized by high quality U.S. Treasury/Agency securities and/or FHLB letters-of-credit.

HDC exposure to liquidity providers increased \$50 million to \$591.8 million due to the issuance of the 2023 Series B-2 bonds. HDC exposure to swap providers increased to \$1.76 billion as HDC entered into a \$125 million interest rate swap with Wells Fargo.

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Counterparty Credit Risk Exposure Report as of October 31, 2023
(UNAUDITED)

Counterparty	Moody's	S&P	Construction LOC	Permanent Enhancement	Investment	Liquidity Providers	Interest Rate Hedges (Notional Amount)	TOTAL	% Total
								COUNTERPARTY EXPOSURE	Counterparty Exposure
Bank of America NA	Aa1	A+	\$382,110,000	\$19,200,000				\$401,310,000	2.01%
Bank of New York Mellon NA	Aa1/Aa2	AA-	\$369,965,000				\$280,000,000	\$649,965,000	3.25%
Bank OZK (FHLB LOC)	A3	NR			\$169,873,767			\$169,873,767	0.85%
Barclays Bank	A1	A+				\$178,720,000		\$178,720,000	0.89%
Bayerische Landesbank	Aa3	NR			\$4,969,507			\$4,969,507	0.02%
Capital One NA	A1	BBB+		\$22,700,000				\$22,700,000	0.11%
Citibank NA	Aa3	A+	\$886,345,000	\$211,009,235	\$29,048,498		\$231,556,138	\$1,357,958,871	6.79%
Citizens Bank (FHLB LOC)	A1	A-			\$87,981,989			\$87,981,989	0.44%
Customers Bank (FHLB LOC)	NR	NR			\$402,577,446			\$402,577,446	2.01%
Daiwa Securities (TSY/AGCY)	A3	A-			\$94,987,000			\$94,987,000	0.48%
Deutsche Bank	A1	A-		\$55,000,000				\$55,000,000	0.28%
Dime Community/Bridgehampton Nat'l Bank (FHLB LOC)	A3	NR			\$473,145,855			\$473,145,855	2.37%
Dormitory Authority of the State of NY (DASNY)	Aa2	AA-			\$31,440,000			\$31,440,000	0.16%
East West Bank (FHLB LOC)	NR	BBB+			\$193,026,179			\$193,026,179	0.97%
Flushing Bank (FHLB LOC)	NR	NR			\$886,452			\$886,452	0.00%
Goldman Sachs Bank/Goldman Sachs Mitsui Marine	A1/Aa2	A+/AA-	\$532,595,000				\$63,995,000	\$596,590,000	2.98%
Hanover Bank (FHLB LOC)	NR	NR			\$99,263,256			\$99,263,256	0.50%
HDC	Aa2	AA	\$347,944,513					\$347,944,513	1.74%
JPMorgan Chase Bank NA	Aa1	A+	\$913,381,667	\$7,210,000				\$920,591,667	4.60%
Landesbank Baden-Wuerttemberg	Aa3	NR		\$70,000,000				\$70,000,000	0.35%
NYC GO	Aa2	AA			\$36,940,000			\$36,940,000	0.18%
NYC Transitional Finance Authority	Aa2	AAA			\$49,950,000			\$49,950,000	0.25%
NY Community Bk (Flagstar Bk) (FHLB LOC)	A3	BBB-			\$1,126,815,366			\$1,126,815,366	5.64%
NYS HFA	Aa2	NR			\$10,110,000			\$10,110,000	0.05%
NYS Urban Development Corp	Aa1	NR			\$20,000,000			\$20,000,000	0.10%
PNC Bank	Aa3/A2	A					\$463,720,000	\$463,720,000	2.32%
Promontory (FDIC-insured)	NR	NR			\$82,037,430			\$82,037,430	0.41%
REMIC	NR	AA		\$435,562,482				\$435,562,482	2.18%
REMIC/SONYMA Risk Share	NR	NR		\$74,269,736				\$74,269,736	0.37%
Royal Bank of Canada	Aa1	AA-				\$125,000,000	\$334,000,000	\$459,000,000	2.30%
Societe Generale	A1	A			\$1,078,983			\$1,078,983	0.01%
SONYMA	Aaa	NR		\$452,564,560	\$1,350,000			\$453,914,560	2.27%
TD Bank NA	Aa2	AA-	\$301,620,000		\$41,351,370	\$188,100,000		\$531,071,370	2.66%
UBS	Aa2	AA-				\$100,000,000		\$100,000,000	0.50%
US Agency:	Aaa	AA+		\$4,426,823,066	\$2,573,981,438			\$7,000,804,504	35.02%
FFCB					\$748,605,000			\$748,605,000	3.74%
FHA/HUD				\$809,990,925				\$809,990,925	4.05%
FHLB					\$989,490,000			\$989,490,000	4.95%
FHLMC				\$1,598,358,567	\$686,436,490			\$2,284,795,057	11.43%
FNMA				\$2,018,473,574	\$132,900,000			\$2,151,373,574	10.76%
GNMA					\$16,549,948			\$16,549,948	0.08%
US Treasury	Aaa	AA+			\$13,645,000			\$13,645,000	0.07%
Webster Bank (formerly Sterling Nat'l Bk) (FHLB LOC)	A2	BBB+			\$220,351,338			\$220,351,338	1.10%
Wells Fargo Bank NA	Aa1/Aa2	A+	\$2,368,334,246				\$384,957,449	\$2,753,291,695	13.77%
TOTAL			\$6,102,295,426	\$5,774,339,079	\$5,764,810,874	\$591,820,000	\$1,758,228,587	\$19,991,493,966	100.00%
<i>*Counterparty Exposures Above 10% Are Highlighted</i>									

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Counterparty Credit Risk Exposure Report as of October 31, 2023
(UNAUDITED)

Municipal Investments:			
Issuer		Amount	
Dormitory Authority of the State of NY		\$31,440,000	
NYC GO		\$36,940,000	
NYC TFA		\$49,950,000	
NYS HFA		\$10,110,000	
NYS Urban Dev Corp		\$20,000,000	
SONYMA		\$1,350,000	
Total Municipal Investments		\$149,790,000	
Exposure to Counterparties Rated A-Minus and Below, or Not-Rated:			
Counterparty	Type of Exposure	Amount	% Total Counterparty Exposure
Bank OZK (FHLB LOC)*	Money Market	\$169,873,767	0.85%
Capital One Bank	Permanent Enhancement	\$22,700,000	0.11%
Citizens Bank (FHLB LOC)*	Money Market	\$87,981,989	0.44%
Customers Bank (FHLB LOC)*	Money Market	\$402,577,446	2.01%
Daiwa Securities (TSY/AGCY)*	Repo	\$94,987,000	0.48%
Deutsche Bank	Perm Enhancement	\$55,000,000	0.28%
Dime Community Bk/Bridgehampton Nat'l Bk (FHLB LOC)*	Money Market	\$473,145,855	2.37%
East West Bank (FHLB LOC)*	Money Market	\$193,026,179	0.97%
Flushing Bank (FHLB LOC)*	Money Market	\$886,452	0.00%
Hanover Bank (FHLB LOC)*	Money Market	\$99,263,256	0.50%
NY Community Bk/Flagstar Bk (FHLB LOC)*	Money Market	\$1,126,815,366	5.64%
Promontory (FDIC-insured)	Money Market	\$82,037,430	0.41%
Webster Bank (formerly Sterling Nat'l Bk) (FHLB LOC)*	Money Market	\$220,351,338	1.10%
TOTAL		\$3,028,646,078	15.15%
<i>*Fully- or over-collateralized by FHLB LOC and/or US Treasury/Agency securities</i>			
Country Exposure (Ex-U.S.):			
Country	Type	\$ Amount	% Total Counterparty Exposure
Canada (TD Bank/Royal Bank of Canada)	LOC/GIC/Liq	\$990,071,370	4.95%
France (Societe Generale)	GIC	\$1,078,983	0.01%
Germany (Bayerische Landesbank/Deutsche/LBW)	GIC/LOC	\$129,969,507	0.65%
Japan (Daiwa)	RP	\$94,987,000	0.48%
UK (Barclays Bank)	Liq	\$178,720,000	0.89%
Switzerland (UBS)	Liq	\$100,000,000	0.50%
TOTAL		\$1,494,826,860	7.48%

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Credit Enhancement Diversification as of October 31, 2023
(UNAUDITED)

CONSTRUCTION PROJECTS

Provider	Moody's	S&P	Enhancement During Construction:			Expected Permanent Enhancement:		
			Number of Projects	Enhanced Amount	% of Total During Construction	Number of Projects	Expected Permanent Enhanced or Insured Amount	% of Total During Permanent
Bank of America	Aa1	A+	6	\$382,110,000	6.26%	0	\$0	0.00%
Bank of New York Mellon	Aa1	AA-	7	\$369,965,000	6.06%	0	\$0	0.00%
Citibank	Aa3	A+	13	\$886,345,000	14.52%	0	\$0	0.00%
FHA	Aaa	AA+	0	\$0	0.00%	29	\$1,584,777,500	75.26%
FHLMC*	Aaa	AA+	0	\$0	0.00%	3	\$216,076,500	10.26%
Goldman Sachs Bank	A1	A+	5	\$532,595,000	8.73%	0	\$0	0.00%
HDC	Aa2	AA	17	\$347,944,513	5.70%	0	\$0	0.00%
JPMorgan Chase	Aa1	A+	10	\$913,381,667	14.97%	0	\$0	0.00%
NONE	NR	NR	2	\$0	0.00%	0	\$0	0.00%
REMIC	NR	AA	0	\$0	0.00%	56	\$188,312,503	8.94%
SONYMA	Aaa	NR	0	\$0	0.00%	7	\$116,542,500	5.53%
TD Bank NA	Aa2	AA-	6	\$301,620,000	4.94%	0	\$0	0.00%
Wells Fargo	Aa1	A+	25	\$2,368,334,246	38.81%	0	\$0	0.00%
TOTAL			91	\$6,102,295,426	100.00%	95	\$2,105,709,003	100.00%

In Construction:	
Rating	% of Total
AAA	0.00%
AA	16.71%
A	83.29%
TOTAL	100.00%

*Two projects with FHLMC are risk share with HDC

PERMANENT LOANS WITH ENHANCEMENT

Provider	Moody's	S&P	Number of Projects	Current Principal Amount	Enhanced Amount	% of Total
						Permanent Enhanced Amount
Bank of America	Aa1	A+	1	\$19,200,000	\$19,200,000	0.33%
Capital One	A1	BBB+	1	\$22,700,000	\$22,700,000	0.39%
Citibank	Aa3	A+	20	\$211,009,235	\$211,009,235	3.65%
Deutsche Bank	A1	A-	1	\$55,000,000	\$55,000,000	0.95%
FHA	Aaa	AA+	50	\$1,192,561,740	\$809,990,925	14.03%
FHLMC	Aaa	AA+	26	\$1,671,410,042	\$1,598,358,567	27.68%
FNMA	Aaa	AA+	35	\$2,018,473,574	\$2,018,473,574	34.96%
JPMorgan Chase	Aa1	A+	2	\$7,210,000	\$7,210,000	0.12%
Landesbank Baden Wuer	Aa3	NR	1	\$70,000,000	\$70,000,000	1.21%
REMIC	NR	AA	280	\$2,156,553,243	\$435,562,482	7.54%
REMIC/SONYMA Risk Share	NR	NR	2	\$148,539,471	\$74,269,736	1.29%
SONYMA	Aaa	NR	75	\$747,107,766	\$452,564,560	7.84%
TOTAL			494	\$8,319,765,071	\$5,774,339,079	100.00%

In Permanent:	
Rating	% of Total
AAA	0.00%
AA	94.54%
A	5.06%
BBB	0.39%
TOTAL	100.00%

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Investment Summary as of October 31, 2023
 (UNAUDITED)

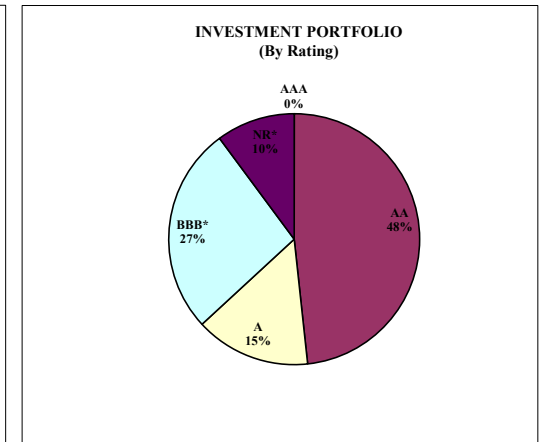
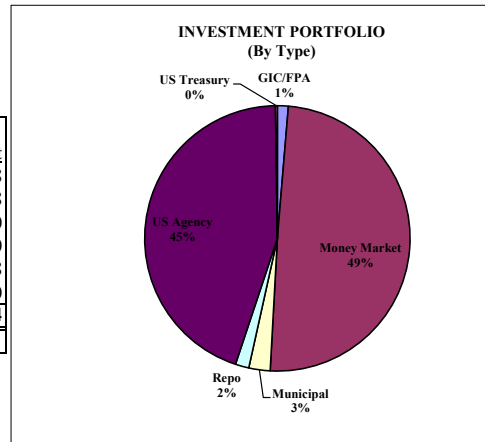
Investment Securities & Repo-By Rating:

Counterparty	Type	Amount	NRSRO Rating-October 31, 2023:				
			AAA	AA	A	BBB*	NR*
Bank OZK (FHLB LOC)*	MM	\$169,873,767			\$169,873,767		
Bayerische Landesbank	GIC	\$4,969,507		\$4,969,507			
Citibank NA	FPA	\$29,048,498			\$29,048,498		
Citizens Bank (FHLB LOC)*	MM	\$87,981,989			\$87,981,989		
Customers Bank (FHLB LOC)*	MM	\$402,577,446					\$402,577,446
Daiwa Securities (TSY/AGCY)*	REPO	\$94,987,000			\$94,987,000		
Dime Community Bank/Bridgehampton Natl Bank (FHLB LOC)*	MM	\$473,145,855			\$473,145,855		
Dormitory Authority of the State of NY	MUNI	\$31,440,000		\$31,440,000			
East West Bank (FHLB LOC)*	MM	\$193,026,179				\$193,026,179	
Flushing Bank (FHLB LOC)*	MM	\$886,452					\$886,452
Hanover Bank (FHLB LOC)*	MM	\$99,263,256					\$99,263,256
NYC GO	MUNI	\$36,940,000		\$36,940,000			
NYC TFA	MUNI	\$49,950,000		\$49,950,000			
NY Community Bank/Flagstar Bank (FHLB LOC)*	MM	\$1,126,815,366				\$1,126,815,366	
NYS HFA	MUNI	\$10,110,000		\$10,110,000			
NYS Urban Development Corp	MUNI	\$20,000,000		\$20,000,000			
Promontory (FDIC-insured)	MM	\$82,037,430					\$82,037,430
Societe Generale	GIC	\$1,078,983			\$1,078,983		
SONYMA	MUNI	\$1,350,000	\$1,350,000				
TD Bank	GIC	\$41,351,370		\$41,351,370			
US Agency	US Agency	\$2,573,981,438		\$2,573,981,438			
US Treasury	US Treasury	\$13,645,000		\$13,645,000			
Webster Bank (formerly Sterling National Bank) (FHLB LOC)*	MM	\$220,351,338				\$220,351,338	
		\$5,764,810,874	\$1,350,000	\$2,782,387,315	\$856,116,092	\$1,540,192,883	\$584,764,584
% of Total		100.00%	0.02%	48.27%	14.85%	26.72%	10.14%

*Fully-collateralized by US Treasury/Agency securities and/or FHLB LOC

Weighted Average Maturity (Years): **2.51**

Investment Portfolio-By Type of Investment:		
	% Total	Amount
GIC/FPA	1.33%	\$76,448,358
Money Market	49.54%	\$2,855,959,078
Municipal	2.60%	\$149,790,000
Repo	1.65%	\$94,987,000
US Agency	44.65%	\$2,573,981,438
US Treasury	0.24%	\$13,645,000
Total	100.00%	\$5,764,810,874



NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Liquidity Providers as of October 31, 2023
(UNAUDITED)

BARCLAYS BANK (A1/A+)		
Issue	Expiration	Amount
2021 F-3	6/23/2026	\$100,000,000
2021 K-3	12/21/2026	\$50,000,000
2022 C-3	6/18/2027	\$28,720,000
		\$178,720,000

ROYAL BANK OF CANADA (Aa1/AA-)		
Issue	Expiration	Amount
2019 A-4	4/18/2024	\$30,000,000
2019 E-3	6/25/2024	\$45,000,000
2020 E	8/19/2025	\$11,510,000
2020 F-2	8/19/2025	\$38,490,000
		\$125,000,000

TD BANK (Aa2/AA-)		
Issue	Expiration	Amount
2018 L-2	4/5/2028	\$58,100,000
2020 I-3	4/5/2028	\$80,000,000
2023 B-2	10/25/2028	\$50,000,000
		\$188,100,000

UBS (Aa2/AA-)		
Issue	Expiration	Amount
2022 F-3	12/15/2027	\$100,000,000
		\$100,000,000

Diversification:	Amount	% Total
Barclays Bank	\$178,720,000	30.20%
Royal Bank of Canada	\$125,000,000	21.12%
TD Bank	\$188,100,000	31.78%
UBS	\$100,000,000	16.90%
TOTAL	\$591,820,000	100.00%

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Interest Rate Hedges as of October 31, 2023

BANK OF NEW YORK (Aa2/AA-/AA)		
<u>Effective</u>	<u>Termination</u>	
<u>Date</u>	<u>Date</u>	<u>Notional Amount</u>
12/1/2022	12/1/2042	\$50,000,000
6/9/2023	11/1/2053	\$80,000,000
7/1/2025	7/1/2045	\$150,000,000
		\$280,000,000

CITIBANK (Aa3/A+/A+)		
<u>Effective</u>	<u>Termination</u>	
<u>Date</u>	<u>Date</u>	<u>Notional Amount</u>
1/1/2021	11/1/2038	\$132,661,138
7/1/2022	5/1/2051	\$98,895,000
		\$231,556,138

GOLDMAN SACHS MITSUI (Aa2/AA-/NR)		
<u>Effective</u>	<u>Termination</u>	
<u>Date</u>	<u>Date</u>	<u>Notional Amount</u>
12/2/2005	5/1/2027	\$5,825,000
12/2/2005	11/1/2032	\$58,170,000
		\$63,995,000

PNC BANK (A2/A/A+)		
<u>Effective</u>	<u>Termination</u>	
<u>Date</u>	<u>Date</u>	<u>Notional Amount</u>
11/1/2014	11/1/2033	\$50,000,000
5/1/2018	11/1/2042	\$85,000,000
2/1/2019	5/1/2046	\$100,000,000
12/15/2022	12/1/2042	\$78,720,000
6/20/2023	11/1/2043	\$50,000,000
11/1/2024	5/1/2052	\$100,000,000
		\$463,720,000

ROYAL BANK OF CANADA (Aa1/AA-/AA-)		
<u>Effective</u>	<u>Termination</u>	
<u>Date</u>	<u>Date</u>	<u>Notional Amount</u>
12/1/2022	11/1/2042	\$150,000,000
5/1/2024	5/1/2050	\$184,000,000
		\$334,000,000

WELLS FARGO (Aa2/A+/AA-)		
<u>Effective</u>	<u>Termination</u>	
<u>Date</u>	<u>Date</u>	<u>Notional Amount</u>
2/1/2019	2/1/2036	\$67,347,730
5/1/2019	5/1/2059	\$75,000,000
8/1/2019	5/1/2047	\$63,483,398
2/1/2021	5/1/2050	\$54,126,321
10/27/2023	11/1/2033	\$125,000,000
		\$384,957,449

Diversification:	Notional Amount	% Total
Bank of New York	\$280,000,000	15.93%
Citibank	\$231,556,138	13.17%
Goldman Sachs Mitsui Marine	\$63,995,000	3.64%
PNC Bank	\$463,720,000	26.37%
Royal Bank of Canada	\$334,000,000	19.00%
Wells Fargo	\$384,957,449	21.89%
TOTAL	\$1,758,228,587	100.00%

**Depending on the International Swaps and Derivatives Association (ISDA) credit terms, the counterparty credit rating, and the aggregate mark-to-market value of the applicable swaps, the counterparty may be required to post collateral.*