



MEMORANDUM

To: Members of the Audit Committee

From: Mary Hom
Chief Risk Officer

Date: March 24, 2023

Re: Counterparty Credit Risk Exposure

Please find attached an unaudited report detailing the Corporation's counterparty exposure as of March 22, 2023. The previous report to the Audit Committee was dated December 31, 2022.

There was one rating agency action of note – the withdrawal of the ratings for Signature Bank (in response to the Bank's shutdown earlier this month). 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 24 projects.

Investments rated double-A or higher were 57% of total investments, versus 56% at the last report. Investments rated triple-B or not rated were 28% of total investments, versus 18% at the last report; this increase is primarily due to the repositioning of funds from Signature Bank. 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 was unchanged at approximately \$484 million.

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Counterparty Credit Risk Exposure Report as of March 22, 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	Aa2	A+	\$501,290,000	\$19,200,000				\$520,490,000	2.79%
Bank of New York Mellon NA	Aa1/Aa2	AA-	\$408,965,000				\$200,000,000	\$608,965,000	3.26%
Bank OZK (FHLB LOC)	A3	NR			\$130,354,594			\$130,354,594	0.70%
Barclays Bank	A1	A				\$178,720,000		\$178,720,000	0.96%
Bayerische Landesbank	Aa3	NR			\$4,521,998			\$4,521,998	0.02%
Capital One NA	A1	BBB+		\$22,700,000				\$22,700,000	0.12%
Citibank NA	Aa3	A+	\$929,960,000	\$222,665,832	\$29,048,498		\$232,182,227	\$1,413,856,557	7.58%
Citizens Bank (FHLB LOC)	A1	A-			\$53,158,916			\$53,158,916	0.28%
Customers Bank (FHLB LOC)	NR	NR			\$227,510,090			\$227,510,090	1.22%
Daiwa Securities (TSY/AGCY)	A3	A-			\$78,596,000			\$78,596,000	0.42%
Deutsche Bank	A1	A-		\$55,000,000				\$55,000,000	0.29%
Dime Community/Bridgehampton Nat'l Bank (FHLB LOC)	A3	NR			\$455,501,348			\$455,501,348	2.44%
Dormitory Authority of the State of NY (DASNY)	Aa2	AA-			\$31,440,000			\$31,440,000	0.17%
East West Bank (FHLB LOC)	NR	BBB+			\$50,191,097			\$50,191,097	0.27%
Flushing Bank (FHLB LOC)	NR	NR			\$15,182,994			\$15,182,994	0.08%
Goldman Sachs Bank/Goldman Sachs Mitsui Marine	A1/Aa2	A+/AA-	\$439,590,000				\$75,275,000	\$514,865,000	2.76%
Hanover Bank (FHLB LOC)	NR	NR			\$80,946,968			\$80,946,968	0.43%
HDC	Aa2	AA	\$348,300,893					\$348,300,893	1.87%
JPMorgan Chase Bank NA	Aa1	A+	\$1,005,786,667	\$7,310,000				\$1,013,096,667	5.43%
Landesbank Baden-Wuerttemberg	Aa3	NR		\$70,000,000				\$70,000,000	0.38%
Mizuho Securities (TSY/AGCY)	A1	A			\$34,131,000			\$34,131,000	0.18%
NYC GO	Aa2	AA			\$36,940,000			\$36,940,000	0.20%
NYC Transitional Finance Authority	Aa2	AAA			\$49,950,000			\$49,950,000	0.27%
NY Community Bk (Flagstar Bk) (FHLB LOC/TSY/AGCY)	A3	BBB-			\$765,937,840			\$765,937,840	4.10%
NYS HFA	Aa2	NR			\$10,125,000			\$10,125,000	0.05%
NYS Urban Development Corp	Aa1	NR			\$20,000,000			\$20,000,000	0.11%
PNC Bank	Aa3/A2	A					\$413,720,000	\$413,720,000	2.22%
Promontory (FDIC-insured)	NR	NR			\$143,224,018			\$143,224,018	0.77%
REMIC	NR	AA		\$406,982,695				\$406,982,695	2.18%
Royal Bank of Canada	Aa1	AA-				\$125,000,000	\$334,000,000	\$459,000,000	2.46%
Societe Generale	A1	A			\$634,992			\$634,992	0.00%
SONYMA	Aaa	NR		\$468,403,217	\$1,915,000			\$470,318,217	2.52%
TD Bank NA	Aa2	AA-	\$305,205,000		\$150,068,877	\$80,000,000		\$535,273,877	2.87%
UBS	Aa2	AA-				\$100,000,000		\$100,000,000	0.54%
US Agency:	Aaa	AA+		\$3,985,068,455	\$2,583,103,400			\$6,568,171,855	35.19%
FFCB					\$753,920,000			\$753,920,000	4.04%
FHA/HUD				\$674,688,098				\$674,688,098	3.61%
FHLB					\$989,490,000			\$989,490,000	5.30%
FHLMC				\$1,270,958,732	\$689,960,860			\$1,960,919,592	10.51%
FNMA				\$2,039,421,625	\$132,900,000			\$2,172,321,625	11.64%
GNMA					\$16,832,540			\$16,832,540	0.09%
US Treasury	Aaa	AA+			\$62,126,000			\$62,126,000	0.33%
Webster Bank (formerly Sterling Nat'l Bk) (TSY/AGCY)	A1	BBB+			\$207,189,104			\$207,189,104	1.11%
Wells Fargo Bank NA	Aa1/Aa2	A+	\$2,246,162,253				\$261,447,469	\$2,507,609,722	13.44%
TOTAL			\$6,185,259,813	\$5,257,330,199	\$5,221,797,734	\$483,720,000	\$1,516,624,696	\$18,664,732,442	100.00%
<i>*Counterparty Exposures Above 10% Are Highlighted</i>									

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Counterparty Credit Risk Exposure Report as of March 22, 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			\$10,125,000						
NYS Urban Dev Corp			\$20,000,000						
SONYMA			\$1,915,000						
Total Municipal Investments			\$150,370,000						
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		\$130,354,594	0.70%					
Capital One Bank	Permanent Enhancement		\$22,700,000	0.12%					
Citizens Bank (FHLB LOC)*	Money Market		\$53,158,916	0.28%					
Customers Bank (FHLB LOC)*	Money Market		\$227,510,090	1.22%					
Daiwa Securities (TSY/AGCY)*	Repo		\$78,596,000	0.42%					
Deutsche Bank	Perm Enhancement		\$55,000,000	0.29%					
Dime Community Bk/Bridgehampton Nat'l Bk (FHLB LOC)*	Money Market		\$455,501,348	2.44%					
East West Bank (FHLB LOC)*	Money Market		\$50,191,097	0.27%					
Flushing Bank (FHLB LOC)*	Money Market		\$15,182,994	0.08%					
Hanover Bank (FHLB LOC)*	Money Market		\$80,946,968	0.43%					
NY Community Bk/Flagstar Bk (FHLB LOC/TSY/AGCY)*	Money Market		\$765,937,840	4.10%					
Promontory (FDIC-insured)	Money Market		\$143,224,018	0.77%					
Webster Bank (formerly Sterling Nat'l Bk) (TSY/AGCY)*	Money Market		\$207,189,104	1.11%					
TOTAL			\$2,285,492,969	12.24%					
<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		\$994,273,877	5.33%					
France (Societe Generale)	GIC		\$634,992	0.00%					
Germany (Bayerische Landesbank/Deutsche/LBW)	GIC/LOC		\$129,521,998	0.69%					
Japan (Daiwa/Mizuho)	RP		\$112,727,000	0.60%					
UK (Barclays Bank)	Liq		\$178,720,000	0.96%					
Switzerland (UBS)	Liq		\$100,000,000	0.54%					
TOTAL			\$1,515,877,867	8.12%					

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Credit Enhancement Diversification as of March 22, 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	Aa2	A+	9	\$501,290,000	8.10%	0	\$0	0.00%
Bank of New York Mellon	Aa1	AA-	8	\$408,965,000	6.61%	0	\$0	0.00%
Citibank	Aa3	A+	13	\$929,960,000	15.04%	0	\$0	0.00%
FHA	Aaa	AA+	0	\$0	0.00%	32	\$1,658,951,000	72.26%
FHLMC*	Aaa	AA+	0	\$0	0.00%	4	\$312,128,500	13.60%
Goldman Sachs Bank	A1	A+	4	\$439,590,000	7.11%	0	\$0	0.00%
HDC	Aa2	AA	17	\$348,300,893	5.63%	0	\$0	0.00%
JPMorgan Chase	Aa1	A+	13	\$1,005,786,667	16.26%	0	\$0	0.00%
NONE	NR	NR	2	\$0	0.00%	0	\$0	0.00%
REMIC	NR	AA	0	\$0	0.00%	57	\$202,645,779	8.83%
SONYMA	Aaa	NR	0	\$0	0.00%	8	\$122,122,500	5.32%
TD Bank NA	Aa2	AA-	6	\$305,205,000	4.93%	0	\$0	0.00%
Wells Fargo	Aa1	A+	24	\$2,246,162,253	36.31%	0	\$0	0.00%
TOTAL			96	\$6,185,259,813	100.00%	101	\$2,295,847,779	100.00%

In Construction:	
Rating	% of Total
AAA	0.00%
AA	17.18%
A	82.82%
TOTAL	100.00%

*Three 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	Aa2	A+	1	\$19,200,000	\$19,200,000	0.37%
Capital One	A1	BBB+	1	\$22,700,000	\$22,700,000	0.43%
Citibank	Aa3	A+	22	\$222,665,832	\$222,665,832	4.24%
Deutsche Bank	A1	A-	1	\$55,000,000	\$55,000,000	1.05%
FHA	Aaa	AA+	46	\$999,118,831	\$674,688,098	12.83%
FHLMC	Aaa	AA+	29	\$1,320,263,666	\$1,270,958,732	24.17%
FNMA	Aaa	AA+	35	\$2,039,421,625	\$2,039,421,625	38.79%
JPMorgan Chase	Aa1	A+	2	\$7,310,000	\$7,310,000	0.14%
Landesbank Baden Wuer	Aa3	NR	1	\$70,000,000	\$70,000,000	1.33%
REMIC*	NR	AA	266	\$2,017,388,982	\$406,982,695	7.74%
SONYMA	Aaa	NR	75	\$761,857,791	\$468,403,217	8.91%
TOTAL			479	\$7,534,926,727	\$5,257,330,199	100.00%

In Permanent:	
Rating	% of Total
AAA	0.00%
AA	93.78%
A	5.79%
BBB	0.43%
TOTAL	100.00%

*Unenhanced portion totals approximately \$1.6 billion

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Investment Summary as of March 22, 2023
(UNAUDITED)

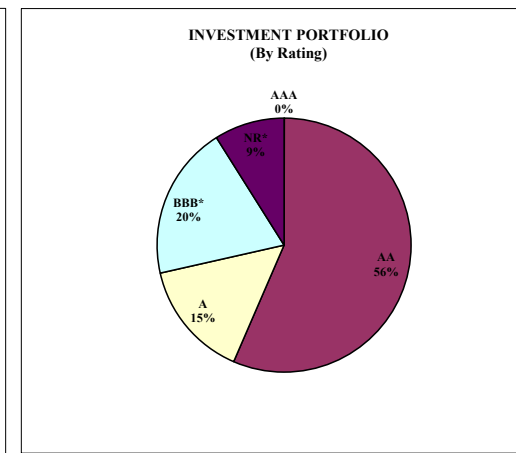
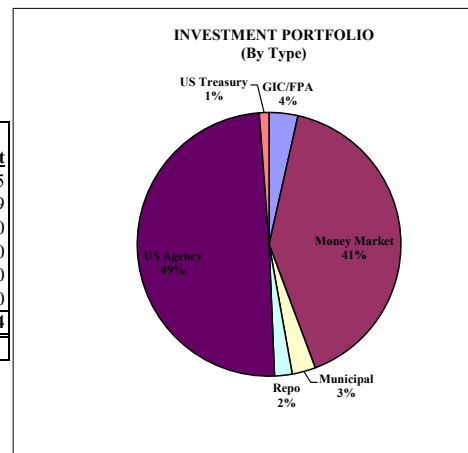
Investment Securities & Repo-By Rating:

Counterparty	Type	Amount	NRSRO Rating-March 22 2023:				
			AAA	AA	A	BBB*	NR*
Bank OZK (FHLB LOC)*	MM	\$130,354,594			\$130,354,594		
Bayerische Landesbank	GIC	\$4,521,998		\$4,521,998			
Citibank NA	FPA	\$29,048,498			\$29,048,498		
Citizens Bank (FHLB LOC)*	MM	\$53,158,916			\$53,158,916		
Customers Bank (FHLB LOC)*	MM	\$227,510,090					\$227,510,090
Daiwa Securities (TSY/AGCY)*	REPO	\$78,596,000			\$78,596,000		
Dime Community Bank/Bridgehampton Natl Bank (FHLB LOC)*	MM	\$455,501,348			\$455,501,348		
Dormitory Authority of the State of NY	MUNI	\$31,440,000		\$31,440,000			
East West Bank (FHLB LOC)*	MM	\$50,191,097				\$50,191,097	
Flushing Bank (FHLB LOC)*	MM	\$15,182,994					\$15,182,994
Hanover Bank (FHLB LOC)*	MM	\$80,946,968					\$80,946,968
Mizuho Securities (TSY/AGCY)*	REPO	\$34,131,000			\$34,131,000		
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/TSY/AGCY)*	MM	\$765,937,840				\$765,937,840	
NYS HFA	MUNI	\$10,125,000		\$10,125,000			
NYS Urban Development Corp	MUNI	\$20,000,000		\$20,000,000			
Promontory (FDIC-insured)	MM	\$143,224,018					\$143,224,018
Societe Generale	GIC	\$634,992			\$634,992		
SONYMA	MUNI	\$1,915,000	\$1,915,000				
TD Bank	GIC	\$150,068,877		\$150,068,877			
US Agency	US Agency	\$2,583,103,400		\$2,583,103,400			
US Treasury	US Treasury	\$62,126,000		\$62,126,000			
Webster Bank (formerly Sterling National Bank) (TSY/AGCY)*	MM	\$207,189,104				\$207,189,104	
		\$5,221,797,734	\$1,915,000	\$2,948,275,275	\$781,425,348	\$1,023,318,041	\$466,864,070
% of Total		100.00%	0.04%	56.46%	14.96%	19.60%	8.94%

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

Weighted Average Maturity (Years): 3.17

Investment Portfolio-By Type of Investment:		
	% Total	Amount
GIC/FPA	3.53%	\$184,274,365
Money Market	40.78%	\$2,129,196,969
Municipal	2.88%	\$150,370,000
Repo	2.16%	\$112,727,000
US Agency	49.47%	\$2,583,103,400
US Treasury	1.19%	\$62,126,000
Total	100.00%	\$5,221,797,734



NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Liquidity Providers as of March 22, 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
2020 I-3	12/15/2023	\$80,000,000
		\$80,000,000

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	36.95%
Royal Bank of Canada	\$125,000,000	25.84%
TD Bank	\$80,000,000	16.54%
UBS	\$100,000,000	20.67%
TOTAL	\$483,720,000	100.00%

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION

Interest Rate Hedges as of March 22, 2023

BANK OF NEW YORK (Aa2/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
7/1/2025	7/1/2045	\$150,000,000
		\$200,000,000

CITIBANK (Aa3/A+)		
<u>Effective</u>	<u>Termination</u>	
<u>Date</u>	<u>Date</u>	<u>Notional Amount</u>
1/1/2021	11/1/2038	\$133,287,227
7/1/2022	5/1/2051	\$98,895,000
		\$232,182,227

GOLDMAN SACHS MITSUI MARINE (Aa2/AA-)		
<u>Effective</u>	<u>Termination</u>	
<u>Date</u>	<u>Date</u>	<u>Notional Amount</u>
12/2/2005	5/1/2027	\$10,680,000
12/2/2005	11/1/2032	\$64,595,000
		\$75,275,000

PNC BANK (A2/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
11/1/2024	5/1/2052	\$100,000,000
		\$413,720,000

ROYAL BANK OF CANADA (Aa1/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+)		
<u>Effective</u>	<u>Termination</u>	
<u>Date</u>	<u>Date</u>	<u>Notional Amount</u>
2/1/2019	2/1/2036	\$68,357,803
5/1/2019	5/1/2059	\$75,000,000
8/1/2019	5/1/2047	\$63,963,345
2/1/2021	5/1/2050	\$54,126,321
		\$261,447,469

<u>Diversification:</u>	<u>Notional Amount</u>	<u>% Total</u>
Bank of New York	\$200,000,000	13.19%
Citibank	\$232,182,227	15.31%
Goldman Sachs	\$75,275,000	4.96%
PNC Bank	\$413,720,000	27.28%
Royal Bank of Canada	\$334,000,000	22.02%
Wells Fargo	\$261,447,469	17.24%
TOTAL	\$1,516,624,696	100.00%