



NEW YORK CITY  
HOUSING DEVELOPMENT  
CORPORATION

## MEMORANDUM

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To: Members of the Audit Committee

From: Mary Hom  
Chief Risk Officer

Date: November 22, 2021

Re: Counterparty Credit Risk Exposure

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Please find attached an unaudited report detailing the Corporation's counterparty exposure as of October 31, 2021. The previous report to the Audit Committee was dated August 31, 2021.

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 continuing to be with FNMA and FHLMC.

Investments rated double-A or higher were 51% of total investments, versus 52% at the last report. Investments rated triple-B or not rated were 27% of total investments, unchanged versus the last report, and are fully collateralized by high quality U.S. Treasury/Agency securities and/or FHLB letters-of-credit.

HDC exposure to liquidity providers was \$305.0 million, down from \$390.98 million at the last report. Since the last report, the 2017 Series G-3 bonds under the \$85.95 million Wells Fargo facility were retired.

**NEW YORK CITY HOUSING DEVELOPMENT CORPORATION**  
**Counterparty Credit Risk Exposure Report as of October 31, 2021**  
**(UNAUDITED)**

<b>Counterparty</b>	<b>Moody's</b>	<b>S&amp;P</b>	<b>Construction LOC</b>	<b>Permanent Enhancement</b>	<b>Investment</b>	<b>Liquidity Providers</b>	<b>TOTAL COUNTERPARTY EXPOSURE</b>	<b>% Total Counterparty Exposure</b>
Bank of America NA	Aa2	A+	\$551,525,000	\$19,200,000			\$570,725,000	3.49%
Bank of New York Mellon NA	Aa1	AA-	\$242,145,000				\$242,145,000	1.48%
Bank OZK	NR	NR			\$55,173,164		\$55,173,164	0.34%
Barclays Bank	A1	A				\$100,000,000	\$100,000,000	0.61%
Bayerische Landesbank	Aa3	NR			\$9,504,223		\$9,504,223	0.06%
Bridgehampton National Bank	NR	NR			\$243,813,997		\$243,813,997	1.49%
Capital One Bank	A1	BBB+		\$22,700,000			\$22,700,000	0.14%
Citibank NA	Aa3	A+	\$929,740,000	\$241,962,949	\$29,824,394		\$1,201,527,343	7.35%
Customers Bank	NR	NR			\$294,414,451		\$294,414,451	1.80%
Daiwa Securities	A3	A-			\$75,691,000		\$75,691,000	0.46%
Deutsche Bank	A2	BBB+		\$55,000,000			\$55,000,000	0.34%
Dime Savings Bank	NR	NR			\$78,981,384		\$78,981,384	0.48%
Dormitory Authority of the State of NY (DASNY)	Aa1	AAA			\$16,440,000		\$16,440,000	0.10%
Goldman Sachs Bank	A1	A+	\$225,210,000				\$225,210,000	1.38%
Hanover Bank	NR	NR			\$53,185,240		\$53,185,240	0.33%
HDC	Aa2	AA	\$311,919,513				\$311,919,513	1.91%
JPMorgan Chase Bank NA	Aa1	A+	\$741,310,000	\$8,910,000			\$750,220,000	4.59%
Lakeland Bank	NR	NR			\$17,163,216		\$17,163,216	0.11%
Landesbank Baden-Wuerttemberg	Aa3	NR		\$70,000,000			\$70,000,000	0.43%
Mizuho Securities	A1	A			\$6,124,000		\$6,124,000	0.04%
NYC Transitional Finance Authority	Aa1	AAA			\$91,167,052		\$91,167,052	0.56%
NY Community Bank	A3	BBB-			\$522,854,074		\$522,854,074	3.20%
NYS HFA	NR	A			\$2,415,000		\$2,415,000	0.01%
People's United Bank	A2	A-			\$27,719,297		\$27,719,297	0.17%
Promontory (FDIC-insured)	Aaa	AA+			\$147,033,504		\$147,033,504	0.90%
Rabobank	Aa3	A+			\$4,263,447		\$4,263,447	0.03%
REMIC	NR	AA		\$374,829,921			\$374,829,921	2.29%
Royal Bank of Canada	Aa2	AA-				\$125,000,000	\$125,000,000	0.77%
Signature Bank	A2	NR			\$1,132,925,782		\$1,132,925,782	6.93%
Societe Generale	A1	A			\$877,495		\$877,495	0.01%
SONYMA	Aaa/Aa1	NR		\$481,145,262	\$64,240,000		\$545,385,262	3.34%
Sterling National Bank	NR	NR			\$312,374,053		\$312,374,053	1.91%
TD Bank NA	Aa2	AA-	\$213,565,000		\$410,861,773	\$80,000,000	\$704,426,773	4.31%
<b>US Agency:</b>	<b>Aaa</b>	<b>AA+</b>		<b>\$3,947,332,673</b>	<b>\$2,241,326,509</b>		<b>\$6,188,659,182</b>	<b>37.88%</b>
FFCB					\$627,855,000		\$627,855,000	3.84%
FHA/HUD				\$528,424,552			\$528,424,552	3.23%
FHLB					\$725,340,000		\$725,340,000	4.44%
<b>FHLMC</b>				<b>\$1,226,662,249</b>	<b>\$737,741,072</b>		<b>\$1,964,403,321</b>	<b>12.02%</b>
<b>FNMA</b>				<b>\$2,192,245,872</b>	<b>\$132,900,000</b>		<b>\$2,325,145,872</b>	<b>14.23%</b>
GNMA					\$17,490,437		\$17,490,437	0.11%
US Treasury	Aaa	AA+			\$11,054,000		\$11,054,000	0.07%
<b>Wells Fargo Bank NA</b>	<b>Aa1</b>	<b>A+</b>	<b>\$1,747,505,007</b>				<b>\$1,747,505,007</b>	<b>10.70%</b>
<b>TOTAL</b>			<b>\$4,962,919,520</b>	<b>\$5,221,080,805</b>	<b>\$5,849,427,055</b>	<b>\$305,000,000</b>	<b>\$16,338,427,380</b>	<b>100.00%</b>
<b>*Counterparty Exposures Above 10% Are Highlighted</b>								

**NEW YORK CITY HOUSING DEVELOPMENT CORPORATION**  
**Counterparty Credit Risk Exposure Report as of October 31, 2021**  
**(UNAUDITED)**

<b>Municipal Investments:</b>			
<b>Issuer</b>		<b>Amount</b>	
Dormitory Authority of the State of NY		\$16,440,000	
NYC TFA		\$91,167,052	
NYS HFA		\$2,415,000	
SONYMA		\$64,240,000	
<b>Total Municipal Investments</b>		<b>\$174,262,052</b>	
<b>Exposure to Counterparties Rated A-Minus and Below, or Not-Rated:</b>			
<b>Counterparty</b>	<b>Type of Exposure</b>	<b>Amount</b>	<b>% Total Counterparty Exposure</b>
Bank OZK*	Money Market	\$55,173,164	0.34%
Bridgehampton National Bank*	Money Market	\$243,813,997	1.49%
Capital One Bank	Permanent Enhancement	\$22,700,000	0.14%
Customers Bank*	Money Market	\$294,414,451	1.80%
Daiwa Securities*	Repo	\$75,691,000	0.46%
Deutsche Bank*	Repo/Perm Enhancement	\$55,000,000	0.34%
Dime Savings Bank*	Money Market	\$78,981,384	0.48%
Hanover Bank*	Money Market	\$53,185,240	0.33%
Lakeland Bank*	Money Market	\$17,163,216	0.11%
NY Community Bank*	Money Market	\$522,854,074	3.20%
People's United Bank*	Money Market	\$27,719,297	0.17%
Sterling National Bank*	Money Market	\$312,374,053	1.91%
<b>TOTAL</b>		<b>\$1,759,069,876</b>	<b>10.77%</b>
<i>*Fully- or over-collateralized by FHLB LOC and/or US Treasury/Agency securities</i>			
<b>Country Exposure (Ex-U.S.):</b>			
<b>Country</b>	<b>Type</b>	<b>\$ Amount</b>	<b>% Total Counterparty Exposure</b>
Canada (TD Bank/Royal Bank of Canada)	LOC/GIC/Liq	\$829,426,773	5.08%
France (Societe Generale)	GIC	\$877,495	0.01%
Germany (Bayerische Landesbank/Deutsche/LBW)	GIC/LOC	\$134,504,223	0.82%
Japan (Daiwa/Mizuho)	RP	\$81,815,000	0.50%
Netherlands (Rabobank Nederland)	GIC	\$4,263,447	0.03%
UK (Barclays Bank)	Liq	\$100,000,000	0.61%
<b>TOTAL</b>		<b>\$1,150,886,938</b>	<b>7.04%</b>

**NEW YORK CITY HOUSING DEVELOPMENT CORPORATION**  
*Credit Enhancement Diversification as of October 31, 2021*  
**(UNAUDITED)**

**CONSTRUCTION PROJECTS**

Provider	Moody's	S&P	Enhancement During Construction:			Expected Permanent Enhancement:		
			Number of Projects	LOC Amount	% of Total During Construction	Number of Projects	Expected Permanent Enhanced or Insured Amount	% of Total During Permanent
Bank of America	Aa2	A+	12	\$551,525,000	11.11%	0	\$0	0.00%
Bank of New York Mellon	Aa1	AA-	5	\$242,145,000	4.88%	0	\$0	0.00%
Citibank	Aa3	A+	17	\$929,740,000	18.73%	0	\$0	0.00%
FHA	Aaa	AA+	0	\$0	0.00%	33	\$1,179,755,500	64.20%
FHLMC*	Aaa	AA+	0	\$0	0.00%	4	\$312,128,500	16.98%
Goldman Sachs Bank	A1	A+	2	\$225,210,000	4.54%	0	\$0	0.00%
HDC	Aa2	AA	15	\$311,919,513	6.29%	0	\$0	0.00%
JPMorgan Chase	Aa1	A+	18	\$741,310,000	14.94%	0	\$0	0.00%
NONE	NR	NR	2	\$0	0.00%	0	\$0	0.00%
REMIC	NR	AA	0	\$0	0.00%	52	\$184,476,503	10.04%
SONYMA	Aa1	NR	0	\$0	0.00%	10	\$161,362,500	8.78%
TD Bank NA	Aa2	AA-	4	\$213,565,000	4.30%	0	\$0	0.00%
Wells Fargo	Aa1	A+	21	\$1,747,505,007	35.21%	0	\$0	0.00%
<b>TOTAL</b>			<b>96</b>	<b>\$4,962,919,520</b>	<b>100.00%</b>	<b>99</b>	<b>\$1,837,723,003</b>	<b>100.00%</b>

In Construction:	
Rating	% of Total
AAA	0.00%
AA	15.47%
A	84.53%
<b>TOTAL</b>	<b>100.00%</b>

\*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+	24	\$241,962,949	\$241,962,949	4.63%
Deutsche Bank	A3	BBB+	1	\$55,000,000	\$55,000,000	1.05%
FHA	Aaa	AA+	37	\$745,531,655	\$528,424,552	10.12%
FHLMC	Aaa	AA+	32	\$1,266,981,749	\$1,226,662,249	23.49%
FNMA	Aaa	AA+	39	\$2,192,245,872	\$2,192,245,872	41.99%
JPMorgan Chase	Aa1	A+	2	\$8,910,000	\$8,910,000	0.17%
Landesbank Baden Wuer	Aa3	NR	1	\$70,000,000	\$70,000,000	1.34%
REMIC*	NR	AA	259	\$1,844,285,768	\$374,829,921	7.18%
SONYMA	Aa1	NR	75	\$773,700,510	\$481,145,262	9.22%
<b>TOTAL</b>			<b>472</b>	<b>\$7,240,518,503</b>	<b>\$5,221,080,805</b>	<b>100.00%</b>

In Permanent:	
Rating	% of Total
AAA	0.00%
AA	93.34%
A	5.17%
BBB	1.49%
<b>TOTAL</b>	<b>100.00%</b>

\*Unenhanced portion totals approximately \$1.5 billion

**NEW YORK CITY HOUSING DEVELOPMENT CORPORATION**  
*Investment Summary as of October 31, 2021*  
 (UNAUDITED)

**Investment Securities & Repo-By Rating:**

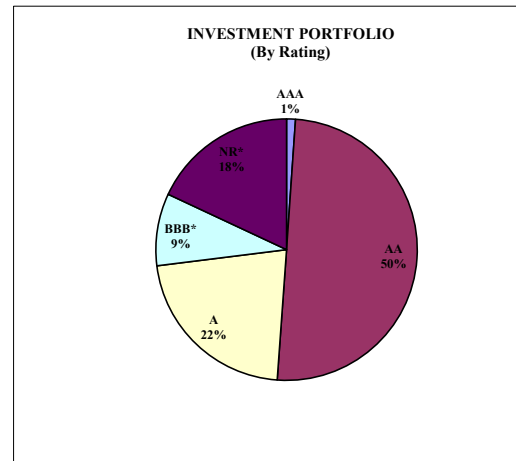
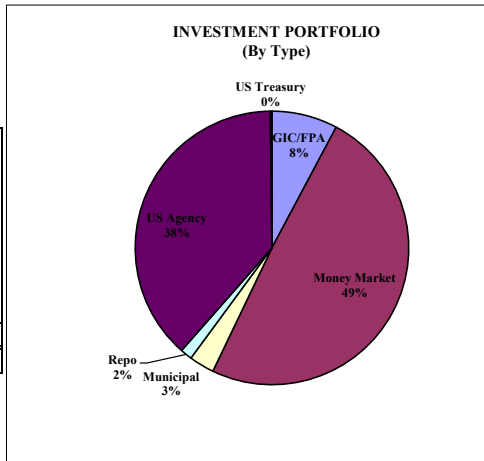
Counterparty	Type	Amount	NRSRO Rating-October 31, 2021:				
			AAA	AA	A	BBB*	NR*
Bank OZK	MM	\$55,173,164					\$55,173,164
Bayerische Landesbank	GIC	\$9,504,223		\$9,504,223			
Bridgehampton National Bank	MM	\$243,813,997					\$243,813,997
Citibank NA	FPA	\$29,824,394			\$29,824,394		
Customers Bank	MM	\$294,414,451					\$294,414,451
Daiwa Securities	REPO	\$75,691,000			\$75,691,000		
Dime Savings Bank	MM	\$78,981,384					\$78,981,384
Dormitory Authority of the State of NY	MUNI	\$16,440,000		\$16,440,000			
Hanover Bank	MM	\$53,185,240					\$53,185,240
Lakeland Bank	MM	\$17,163,216					\$17,163,216
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NYC TFA	MUNI	\$91,167,052		\$91,167,052			
NY Community Bank	MM	\$522,854,074				\$522,854,074	
NYS HFA	MUNI	\$2,415,000			\$2,415,000		
People's United Bank	MM	\$27,719,297			\$27,719,297		
Promontory	MM	\$147,033,504		\$147,033,504			
Rabobank	GIC	\$4,263,447			\$4,263,447		
Signature Bank	MM	\$1,132,925,782			\$1,132,925,782		
Societe Generale	GIC	\$877,495			\$877,495		
SONYMA	MUNI	\$64,240,000	\$64,240,000				
Sterling National Bank	MM	\$312,374,053					\$312,374,053
TD Bank	GIC	\$410,861,773		\$410,861,773			
US Agency	US Agency	\$2,241,326,509		\$2,241,326,509			
US Treasury	US Treasury	\$11,054,000		\$11,054,000			
		<b>\$5,849,427,055</b>	<b>\$64,240,000</b>	<b>\$2,927,387,061</b>	<b>\$1,279,840,415</b>	<b>\$522,854,074</b>	<b>\$1,055,105,505</b>
<i>% of Total</i>		<i>100.00%</i>	<i>1.10%</i>	<i>50.05%</i>	<i>21.88%</i>	<i>8.94%</i>	<i>18.04%</i>

\*BBB and NR exposures are fully-collateralized

**Weighted Average Maturity (Years): 3.39**

**Investment Portfolio-By Type of Investment:**

	% Total	Amount
GIC/FPA	7.78%	\$455,331,332
Money Market	49.33%	\$2,885,638,162
Municipal	2.98%	\$174,262,052
Repo	1.40%	\$81,815,000
US Agency	38.32%	\$2,241,326,509
US Treasury	0.19%	\$11,054,000
<b>Total</b>	<b>100.00%</b>	<b>\$5,849,427,055</b>



**NEW YORK CITY HOUSING DEVELOPMENT CORPORATION**  
*Liquidity Providers as of October 31, 2021*  
**(UNAUDITED)**

**BARCLAYS BANK**

<u>Issue</u>	<u>Amount</u>
2021 F-3	\$100,000,000
	<u><u>\$100,000,000</u></u>

**ROYAL BANK OF CANADA**

<u>Issue</u>	<u>Amount</u>
2019 A-4	\$30,000,000
2019 E-3	\$45,000,000
2020 E	\$11,510,000
2020 F-2	\$38,490,000
	<u><u>\$125,000,000</u></u>

**TD BANK**

<u>Issue</u>	<u>Amount</u>
2020 I-3	\$80,000,000
	<u><u>\$80,000,000</u></u>

<b>Diversification:</b>	<u>Amount</u>	<u>% Total</u>
Barclays Bank	\$100,000,000	32.79%
Royal Bank of Canada	\$125,000,000	40.98%
TD Bank	\$80,000,000	26.23%
<b>TOTAL</b>	<u><u>\$305,000,000</u></u>	<u><u>100.00%</u></u>