



MEMORANDUM

To: Members of the Audit Committee

From: Mary Hom
Chief Risk Officer

Date: December 2, 2020

Re: Counterparty Credit Risk Exposure

Please find attached an unaudited report detailing the Corporation's counterparty exposure as of October 31, 2020. The previous report to the Audit Committee was dated September 30, 2020.

There were no new additions to the list of counterparties, and there were no rating agency actions of note.

HDC's counterparty exposure remains diversified with the largest exposures continuing to be with FHLMC and FNMA.

Investments rated double-A or higher were 45% of total investments, versus 48% at the last report. Investments rated triple-B or not rated were 29% of total investments, versus 28% at 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 unchanged at \$268.8 million.

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Counterparty Credit Risk Exposure Report as of October 31, 2020
(UNAUDITED)

Counterparty	Moody's	S&P	Construction LOC	Permanent Enhancement	Investment	Liquidity Providers	TOTAL COUNTERPARTY EXPOSURE	% Total Counterparty Exposure
Bank of America NA	Aa2	A+	\$586,650,000	\$19,200,000			\$605,850,000	3.99%
Bank of New York Mellon NA	Aa1	AA-	\$292,635,000				\$292,635,000	1.93%
Bank OZK	NR	NR			\$4,629,672		\$4,629,672	0.03%
Bayerische Landesbank	Aa3	NR			\$11,211,433		\$11,211,433	0.07%
Bridgehampton National Bank	NR	NR			\$185,008,651		\$185,008,651	1.22%
Capital One Bank	A1	BBB+		\$22,700,000			\$22,700,000	0.15%
Citibank NA	Aa3	A+	\$777,325,000	\$257,409,719	\$29,824,394		\$1,064,559,113	7.01%
Customers Bank	NR	NR			\$448,983,277		\$448,983,277	2.95%
Daiwa Securities	A3	A-			\$91,906,000		\$91,906,000	0.60%
Deutsche Bank	A3	BBB+		\$55,000,000			\$55,000,000	0.36%
Dormitory Authority of the State of NY (DASNY)	Aa1	AAA			\$26,335,000		\$26,335,000	0.17%
Empire State Development Corp	Aa1	AA+			\$10,000,000		\$10,000,000	0.07%
Flushing Bank	NR	NR			\$160,247		\$160,247	0.00%
Goldman Sachs Bank	A1	A+	\$191,000,000				\$191,000,000	1.26%
HDC	Aa2	AA	\$286,279,513				\$286,279,513	1.88%
JPMorgan Chase Bank NA	Aa1	A+	\$664,885,000	\$9,010,000			\$673,895,000	4.43%
Lakeland Bank	NR	NR			\$12,162,196		\$12,162,196	0.08%
Landesbank Baden-Wuerttemberg	Aa3	NR		\$70,000,000			\$70,000,000	0.46%
Mizuho Securities	A1	A			\$75,817,000		\$75,817,000	0.50%
NYC GO	Aa2	AA			\$3,910,000		\$3,910,000	0.03%
NYC Transitional Finance Authority	Aa1	AAA			\$138,362,562		\$138,362,562	0.91%
NY Community Bank	A3	BBB-			\$509,675,281		\$509,675,281	3.35%
NYS HFA	NR	A			\$4,415,000		\$4,415,000	0.03%
People's United Bank	A2	A-			\$17,683,850		\$17,683,850	0.12%
Promontory (FDIC-insured)	Aaa	AA+			\$38,504,883		\$38,504,883	0.25%
Rabobank	Aa3	A+			\$5,137,753		\$5,137,753	0.03%
REMIC	NR	AA		\$326,644,084			\$326,644,084	2.15%
Royal Bank of Canada	Aa2	AA-			\$72,057,785	\$125,000,000	\$197,057,785	1.30%
Signature Bank	A2	NR			\$1,147,438,896		\$1,147,438,896	7.55%
Societe Generale	A1	A			\$1,019,785		\$1,019,785	0.01%
SONYMA	Aaa/Aa1	NR		\$472,750,635	\$8,550,000		\$481,300,635	3.17%
Sterling National Bank	NR	NR			\$399,544,253		\$399,544,253	2.63%
TD Bank NA	Aa2	AA-	\$170,800,000		\$512,847,058		\$683,647,058	4.50%
US Bank	Aa1	AA-			\$13,210,928		\$13,210,928	0.09%
US Agency:	Aaa	AA+	\$152,025,000	\$3,997,763,395	\$1,577,647,530		\$5,727,435,925	37.69%
FFCB					\$545,643,000		\$545,643,000	3.59%
FHA/HUD				\$477,676,857			\$477,676,857	3.14%
FHLB			\$152,025,000		\$283,110,000		\$435,135,000	2.86%
FHLMC				\$1,535,578,059	\$626,062,131		\$2,161,640,190	14.22%
FNMA				\$1,984,508,479	\$95,000,000		\$2,079,508,479	13.68%
GNMA					\$27,832,399		\$27,832,399	0.18%
US Treasury	Aaa	AA+			\$8,413,000		\$8,413,000	0.06%
Wells Fargo Bank NA	Aa1	A+	\$1,221,350,007			\$143,780,000	\$1,365,130,007	8.98%
TOTAL			\$4,342,949,520	\$5,230,477,833	\$5,354,456,434	\$268,780,000	\$15,196,663,787	100.00%

*Counterparty Exposures Above 10% Are Highlighted

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Counterparty Credit Risk Exposure Report as of October 31, 2020
(UNAUDITED)

Municipal Investments:				
Issuer			Amount	
Dormitory Authority of the State of NY			\$26,335,000	
Empire State Development Corp			\$10,000,000	
NYC GO			\$3,910,000	
NYC TFA			\$138,362,562	
NYS HFA			\$4,415,000	
SONYMA			\$8,550,000	
Total Municipal Investments			\$191,572,562	
Exposure to Counterparties Rated A-Minus and Below, or Not-Rated:				
Counterparty	Type of Exposure		Amount	% Total Counterparty Exposure
Bank OZK*	Money Market		\$4,629,672	0.03%
Bridgehampton National Bank*	Money Market		\$185,008,651	1.22%
Capital One Bank	Permanent Enhancement		\$22,700,000	0.15%
Customers Bank*	Money Market		\$448,983,277	2.95%
Daiwa Securities*	Repo		\$91,906,000	0.60%
Deutsche Bank*	Repo/Perm Enhancement		\$55,000,000	0.36%
Flushing Bank*	Money Market		\$160,247	0.00%
Lakeland Bank*	Money Market		\$12,162,196	0.08%
NY Community Bank*	Money Market		\$509,675,281	3.35%
People's United Bank*	Money Market		\$17,683,850	0.12%
Sterling National Bank*	Money Market		\$399,544,253	2.63%
TOTAL			\$1,747,453,427	11.50%
<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		\$880,704,843	5.80%
France (Societe Generale)	GIC		\$1,019,785	0.01%
Germany (Bayerische Landesbank/Deutsche/LBW)	GIC/LOC		\$136,211,433	0.90%
Japan (Daiwa/Mizuho)	RP		\$167,723,000	1.10%
Netherlands (Rabobank Nederland)	GIC		\$5,137,753	0.03%
TOTAL			\$1,190,796,814	7.84%

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Credit Enhancement Diversification as of October 31, 2020
(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+	13	\$586,650,000	13.51%	0	\$0	0.00%
Bank of New York Mellon	Aa1	AA-	7	\$292,635,000	6.74%	0	\$0	0.00%
Citibank	Aa3	A+	17	\$777,325,000	17.90%	0	\$0	0.00%
FHA	Aaa	AA+	0	\$0	0.00%	26	\$859,801,000	55.83%
FHLB	Aaa	AA+	5	\$152,025,000	3.50%	0	\$0	0.00%
FHLMC*	Aaa	AA+	0	\$0	0.00%	4	\$312,128,500	20.27%
Goldman Sachs Bank	A1	A+	1	\$191,000,000	4.40%	0	\$0	0.00%
HDC	Aa2	AA	14	\$286,279,513	6.59%	0	\$0	0.00%
JPMorgan Chase	Aa1	A+	17	\$664,885,000	15.31%	0	\$0	0.00%
NONE	NR	NR	2	\$0	0.00%	1	\$0	0.00%
REMIC	NR	AA	0	\$0	0.00%	57	\$189,628,503	12.31%
SONYMA	Aa1	NR	0	\$0	0.00%	11	\$178,512,500	11.59%
TD Bank NA	Aa2	AA-	3	\$170,800,000	3.93%	0	\$0	0.00%
Wells Fargo	Aa1	A+	16	\$1,221,350,007	28.12%	0	\$0	0.00%
TOTAL			95	\$4,342,949,520	100.00%	99	\$1,540,070,503	100.00%

In Construction:

Rating	% of Total
AAA	0.00%
AA	20.76%
A	79.24%
TOTAL	100.00%

*Three projects with FHLMC are risk share with HDC

PERMANENT LOANS WITH ENHANCEMENT

Provider	Moody's	S&P	% of Total Permanent Enhanced			In Permanent:	
			Number of Projects	Enhanced Amount	Amount	Rating	% of Total
Bank of America	Aa2	A+	1	\$19,200,000	0.37%	AAA	0.00%
Capital One	A1	BBB+	1	\$22,700,000	0.43%	AA	93.05%
Citibank	Aa3	A+	26	\$257,409,719	4.92%	A	5.46%
Deutsche Bank	A3	BBB+	1	\$55,000,000	1.05%	BBB	1.49%
FHA	Aaa	AA+	33	\$477,676,857	9.13%	TOTAL	100.00%
FHLMC	Aaa	AA+	34	\$1,535,578,059	29.36%		
FNMA	Aaa	AA+	45	\$1,984,508,479	37.94%		
JPMorgan Chase	Aa1	A+	2	\$9,010,000	0.17%		
Landesbank Baden Wuerttemberg	Aa3	NR	1	\$70,000,000	1.34%		
REMIC*	NR	AA	241	\$326,644,084	6.25%		
SONYMA	Aa1	NR	74	\$472,750,635	9.04%		
TOTAL			459	\$5,230,477,833	100.00%		

*Unenhanced portion totals approximately \$1.3 billion

NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Investment Summary as of October 31, 2020
 (UNAUDITED)

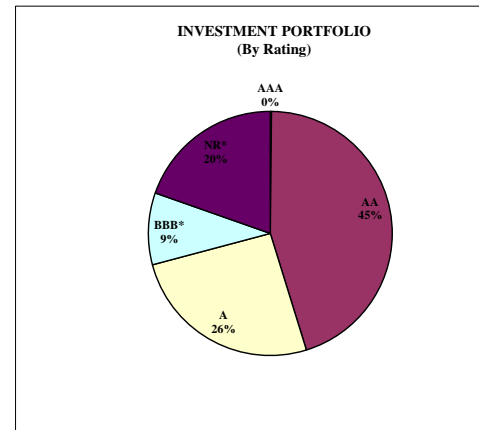
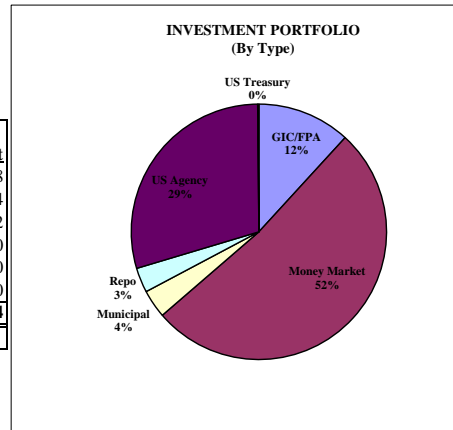
Investment Securities & Repo-By Rating:

Counterparty	Type	Amount	NRSRO Rating-October 31, 2020:				
			AAA	AA	A	BBB*	NR*
Bank OZK	MM	\$4,629,672					\$4,629,672
Bayerische Landesbank	GIC	\$11,211,433		\$11,211,433			
Bridgehampton National Bank	MM	\$185,008,651					\$185,008,651
Citibank NA	FPA	\$29,824,394			\$29,824,394		
Customers Bank	MM	\$448,983,277					\$448,983,277
Daiwa Securities	REPO	\$91,906,000			\$91,906,000		
Dormitory Authority of the State of NY	MUNI	\$26,335,000		\$26,335,000			
Empire State Development Corp	MUNI	\$10,000,000		\$10,000,000			
Flushing Bank	MM	\$160,247					\$160,247
Lakeland Bank	MM	\$12,162,196					\$12,162,196
Mizuho Securities	REPO	\$75,817,000			\$75,817,000		
NYC GO	MUNI	\$3,910,000		\$3,910,000			
NYC TFA	MUNI	\$138,362,562		\$138,362,562			
NY Community Bank	MM	\$509,675,281				\$509,675,281	
NYS HFA	MUNI	\$4,415,000			\$4,415,000		
People's United Bank	MM	\$17,683,850			\$17,683,850		
Promontory	MM	\$38,504,883		\$38,504,883			
Rabobank	GIC	\$5,137,753			\$5,137,753		
Royal Bank of Canada	GIC	\$72,057,785		\$72,057,785			
Signature Bank	MM	\$1,147,438,896			\$1,147,438,896		
Societe Generale	GIC	\$1,019,785			\$1,019,785		
SONYMA	MUNI	\$8,550,000	\$8,550,000				
Sterling National Bank	MM	\$399,544,253					\$399,544,253
TD Bank	GIC	\$512,847,058		\$512,847,058			
US Bank	MM	\$13,210,928		\$13,210,928			
US Agency	US Agency	\$1,577,647,530		\$1,577,647,530			
US Treasury	US Treasury	\$8,413,000		\$8,413,000			
		\$5,354,456,434	\$8,550,000	\$2,412,500,179	\$1,373,242,678	\$509,675,281	\$1,050,488,296
% of Total		100.00%	0.16%	45.06%	25.65%	9.52%	19.62%

*BBB and NR exposures are fully-collateralized

Weighted Average Maturity (Years): 3.05

Investment Portfolio-By Type of Investment:		
	% Total	Amount
GIC/FPA	11.81%	\$632,098,208
Money Market	51.86%	\$2,777,002,134
Municipal	3.58%	\$191,572,562
Repo	3.13%	\$167,723,000
US Agency	29.46%	\$1,577,647,530
US Treasury	0.16%	\$8,413,000
Total	100.00%	\$5,354,456,434



NEW YORK CITY HOUSING DEVELOPMENT CORPORATION
Liquidity Providers as of October 31, 2020
(UNAUDITED)

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
	\$125,000,000

WELLS FARGO BANK

<u>Issue</u>	<u>Amount</u>
2017 C-4	\$57,830,000
2017 G-3	\$85,950,000
	\$143,780,000

Diversification:	<u>Amount</u>	<u>% Total</u>
Royal Bank of Canada	\$125,000,000	46.51%
Wells Fargo Bank	\$143,780,000	53.49%
TOTAL	\$268,780,000	100.00%