

Calculation Date: 29 Nov 2024

This report contains information regarding the National Bank of Canada Legislative Covered Bond Programme's Cover Pool as of the indicated Calculation Date. The composition of the Cover Pool will change as Loans are added and removed from the Cover Pool from time to time and, accordingly, the characteristics and performance of the Loans will vary over time.

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Programme Info	ormation							
<u>Series</u>	Initial Amount	Translation Rate	C\$ Equivalent	Maturity Date	Extended Due for Payment Date	Coupon Rate	Rate Type	Maturity Type
CBL7	€750,000,000	1.5998	\$1,199,812,500	13 Mar 2025	13 Mar 2026	0.750%	Fixed	Soft
CBL7 (Tranche 2)	€250,000,000	1.4336	\$358,400,000	13 Mar 2025	13 Mar 2026	0.750%	Fixed	Soft
CBL15	€500,000,000	1.4887	\$744,350,000	25 Mar 2028	25 Mar 2029	0.010%	Fixed	Soft
CBL16	€750,000,000	1.4860	\$1,114,500,000	29 Sep 2026	29 Sep 2027	0.010%	Fixed	Soft
CBL17	€1,000,000,000	1.4164	\$1,416,430,000	27 Jan 2027	27 Jan 2028	0.125%	Fixed	Soft
CBL 18	USD\$1,250,000,000	1.2479	\$1,559,862,500	6 Apr 2027	6 Apr 2028	2.900%	Fixed	Soft
CBL 20	£750,000,000	1.6125	\$1,209,375,000	5 May 2026	5 May 2027	SONIA +1.000%	Floating	Soft
CBL 21	CHF280,000,000	1.3680	\$383,037,200	3 Nov 2027	3 Nov 2028	1.958%	Fixed	Soft
CBL 22	€1,000,000,000	1.4679	\$1,467,885,000	25 Apr 2028	25 Apr 2029	3.500%	Fixed	Soft
CBL 23	€750,000,000	1.5024	\$1,126,785,000	18 Oct 2028	18 Oct 2029	2.750%	Fixed	Soft
			\$10,580,437,200					

Weighted Average Maturity of Outstanding Covered Bonds (months) 27.13
Weighted Average Remaining Term of Loans in Cover Pool (months) 20.10

Series Ratings	Moody's	<b>DBRS</b>	Fitch Ratings
CBL7	Aaa	AAA	AAA
CBL7 (Tranche 2)	Aaa	AAA	AAA
CBL15	Aaa	AAA	AAA
CBL16	Aaa	AAA	AAA
CBL17	Aaa	AAA	AAA
CBL 18	Aaa	AAA	AAA
CBL 20	Aaa	AAA	AAA
CBL 21	Aaa	AAA	AAA
CBL 22	Aaa	AAA	AAA
CBL 23	Aaa	AAA	AAA

## **Supplementary Information**

Servicer & Cash Manager

Covered Bond Trustee & Custodian

Standby Account Bank & GIC Provider

Account Bank & GIC Provider

#### **Parties**

**Guarantor Entity** 

Swap Provider

Asset Monitor

Issuer National Bank of Canada (NBC)

NBC Covered Bond (Legislative) Guarantor Limited Partnership

National Bank of Canada National Bank of Canada

Computershare Trust Company of Canada

Deloitte LLP

National Bank of Canada Royal Bank of Canada (RBC)

Paying Agents The Bank of New York Mellon (Luxembourg) S.A. & UBS AG.



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#### **National Bank of Canada Ratings**

<u> </u>	Standard & Poor's	Moody's	<b>DBRS</b>	Fitch Ratings
Long Term Senior Debt	A+	Aa3	AA	AA-
Short Term Senior Debt	A-1	P-1	R-1 H	F1+
Outlook	Stable	Under review for upgrade	Stable	Stable
Other Ratings	N/A	Counterparty Risk Assessment long term / short term Aa3(cr) / P-1 (cr) Deposit Rating long term / short term Aa3 / P-1	N/A	Issuer Default Rating long term / short term A+ / F1

#### Applicable Ratings of Standby Account Bank & GIC Provider (RBC)

	Moody's (Deposit Rating)	DBRS (Debt Ratings)	Fitch Ratings (Issuer Default Rating)
Long Term	Aa1	AA (high)	AA
Short Term	P-1	R-1 H	F1+

#### **Description of Ratings Triggers**

#### A. Party Replacement

If the rating(s) of the Party falls below the level stipulated below, such party is required to be replaced or in the case of the Swap Provider (i) transfer credit support and

(ii) replace itself or obtain a guarantee for its obligations.

Role (Current Party)	Moody's	<u>DBRS</u>	<u>Fitch</u>
Account Bank & GIC Provider (NBC)	P-1*	R-1(low)* or A	F1* or A
Standby Account Bank & GIC Provider (RBC)	P-1*	R-1(low)* or A	F1* or A
Cash Manager (NBC)	P-2(cr)*	BBB (low)	F2*
Servicer (NBC)	Baa3	BBB (low)	F2*
Interest Rate Swap Provider (NBC)	P-2(cr)* or A3(cr)	R-2(mid)* or BBB	F2* or BBB+
Covered Bond Swap Provider (NBC)	P-2(cr)* or A3(cr)	R-2(mid)* or BBB	F2* or BBB+
Title Holder on Mortgages (NBC)	Baa1	BBB (low)	BBB-

#### B. Specified Rating Related Action

i.	The	following	actions	are	required if	the rating	of the
-	ach	Manager	(NRC)	falle	helow the	stinulated	rating:

Cash manager (1926) faile solon the dipulated falling.	Moody's	<u>DBRS</u>	<u>Fitch</u>
(a) Amounts received by the Servicer are to be deposited directly to the GIC Account and not provided to the Cash Manager	P-1*	BBB(low)	F1* or A
(b) Amounts held by the Cash Manager belonging to the Guarantor are to be deposited to the Transaction Account or the GIC account, as applicable, within 5 business days	P-1*	BBB(low)	F1* or A

## ii. The following actions are required if the rating of the

Servicer (NBC) falls below the stipulated rating:

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(a) Servicer is required to transfer amounts belonging to the Guarantor to the Cash Manager or the GIC Account, as applicable, within 2 business days	P-1(cr)*	BBB(low)	F1* or A

Mondy's

Moody's

DRRS

**DBRS** 

Fitch

Fitch

iii. The following actions are required if the rating of the

Issuer (NBC) falls below the stipulated rating:

		<del></del>	
(a) Repayment of the Demand Loan	N/A	N/A	F2* or BBB+
(b) Establishment of the Reserve Fund	P-1(cr)*	R-1(low)* or A(low)	F1* or A
(c) Fund Pre-Maturity Liquidity Required Amount on Hard Bullet	P-1*	6 months: A(high)	F1+*
Covered Bonds		12 months: A(low)	

iv. The following actions are required if the rating of the

Issuer (NBC) falls below the stipulated rating:

Moody's DBRS Fitch

(a) The Interest Rate Swap and the Covered Bond Swap will become Baa1 BBB(high) BBB+

(a) The Interest Rate Swap and the Covered Bond Swap will become effective except as otherwise provided in the Covered Bond Swaps

v. Each Swap Provider is required to transfer credit support, replace itself or obtain a guarantee of its obligations if the rating of such Swap Provider falls below the specified rating.

	Moody's	<u>DBRS</u>	<u>Fitch</u>
(a) Interest Rate Swap Provider	P-1(cr)* or A2(cr)(1)	,	F1* or A
(b) Covered Bond Swap Provider	P-1(cr)* or A2(cr)(1)		F1* or A

#### \*Short Term rating

(1) In the case of the Interest Swap Provider, or, in the case of the Covered Bond Swap Provider prior to CBL7 only, if the applicable swap provider or its credit support provider does not have a short-term rating assigned by Moody's, the long term unsecured rating trigger is A1(cr).

### **Events of Default**

Issuer Event of Default	No
Guarantor Event of Default	No



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Outstanding Covered Bonds	\$10,580,437,200	
A = Lesser of (i) LTV Adjusted True Balance and	\$19,738,537,335	A(i): \$21,521,298,139
(ii) Asset Percentage Adjusted True Balance		A(ii): \$19,738,537,335
B = Principal Receipts	\$0	Asset Percentage: 91.70%
C = Cash Capital Contributions	\$0	Maximum Asset Percentage: 93.00%
D = Substitute Assets	\$0	
E = Reserve Fund Balance	\$0	Regulatory OC Minimum: 103.00%
Y = Contingent Collateral Amount	\$0	Level of Overcollateralization <sup>1</sup> :109.11%
Z = Negative Carry Factor calculation	\$119,588,789	
Total: A + B + C + D + E - Y- Z	\$19,618,948,546	
Asset Coverage Test	PASS	

Note: Due to rounding, numbers presented may not add up precisely to the totals provided.

<sup>&</sup>lt;sup>1</sup> Per Section 4.3.8 of the CMHC Guide, (A) the lesser of (i) the total amount of cover pool collateral and (ii) the amount of cover pool collateral required to collateralize the covered bonds outstanding and ensure the Asset Coverage Test is met, divided by (B) the Canadian dollar equivalent of the principal amount of covered bonds outstanding under the registered covered bond program.

Valuation Calculation		
Trading Value of Covered Bonds		\$10,834,471,729
A = LTV Adjusted Loan Present Value		\$20,791,391,182
B = Principal Receipts		\$0
C = Cash Capital Contributions		\$0
D = Trading Value of Substitute Assets		\$0
E = Reserve Fund Balance		\$0
F = Trading Value of Swap Collateral		\$0
Present Value Adjusted Aggregate Asset Amount		
Total: A + B + C + D + E + F		\$20,791,391,182
Weighted average market rate used for discounting:		6.85%
Amortization Test		
Event of Default on the part of the registered Issuer?	No	
Do any Covered Bonds remain outstanding?	Yes	
Amortization Test Required?	No	

**Amortization Test** N/A

## Intercompany Loan Balance

Guarantee Loan \$11,543,879,696 Demand Loan \$10,233,018,857 Total \$21,776,898,553

## Covered Bonds Outstanding vs OSFI Limit

Covered Bonds Currently Outstanding (CAD Equivalent): Issued under the Legislative Covered Bond Programme \$10,580,437,200 \$10,580,437,200 Total

OSFI Covered Bond Ratio (2): 2.50% OSFI Covered Bond Ratio Limit: 5.50%

(2) Per OSFI's letter dated May 23, 2019, the OSFI Covered Bond Ratio refers to total assets pledged for covered bond relative to total on-balance sheet assets. Total on-balance sheet assets as of October 31, 2024



Cover Pool Summary Statistics	
Previous Month Ending Balance	\$21,923,349,288
Current Balance	\$21,528,772,336
Number of Mortgage loans in Pool	142,537
Average Mortgage Size	\$151,040
Number of Properties	113,549
Number of Primary Borrowers	108,694
Weighted Average Indexed Authorized LTV	53.64%
Weighted Average Indexed Drawn LTV	47.77%
Weighted Average Original LTV	72.62%
Weighted Average Interest Rate	3.89%
Weighted Average Seasoning	32.44 months
Weighted Average Original Term	52.54 months
Weighted Average Remaining Term	20.10 months
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Note: Due to rounding, numbers presented in the following distribution tables may not add up precisely to the totals provided and percentages may not precisely reflect the absolute figures.

<b>Cover Pool Delinquency Distribution</b>				
Aging Summary	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Current and less than 30 days past due	142,428	99.92%	\$21,509,941,876	99.91%
30 to 59 days past due	64	0.04%	\$10,117,969	0.05%
60 to 89 days past due	31	0.02%	\$5,062,658	0.02%
90 or more days past due	14	0.01%	\$3,649,833	0.02%
Total	142,537	100.00%	\$21,528,772,336	100.00%

<b>Cover Pool Provincial Distribution</b>				
<u>Province</u>	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Alberta	2,050	1.44%	\$408,547,486	1.90%
British Columbia	1,972	1.38%	\$597,894,181	2.78%
Manitoba	330	0.23%	\$48,537,351	0.23%
New Brunswick	2,504	1.76%	\$232,282,035	1.08%
Ontario	19,744	13.85%	\$5,827,533,312	27.07%
Quebec	115,463	81.01%	\$14,345,016,491	66.63%
Saskatchewan	474	0.33%	\$68,961,480	0.32%
Other	0	0.00%	\$0	0.00%
Total	142,537	100.00%	\$21,528,772,336	100.00%

<b>Cover Pool Credit Score Distribution</b>				
<u>Credit Score</u>	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Score Unavailable	857	0.60%	\$141,209,726	0.66%
599 and below	1,453	1.02%	\$230,061,900	1.07%
600 - 650	2,404	1.69%	\$398,972,869	1.85%
651 - 700	8,806	6.18%	\$1,486,234,795	6.90%
701 - 750	21,299	14.94%	\$3,698,970,974	17.18%
751 - 800	27,859	19.55%	\$4,669,994,549	21.69%
801 and above	79,859	56.03%	\$10,903,327,523	50.65%
Total	142,537	100.00%	\$21,528,772,336	100.00%

Cover Pool Interest Rate Type Distribution				
Interest Rate Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Fixed	116,420	81.68%	\$16,062,842,303	74.61%
Variable	26,117	18.32%	\$5,465,930,033	25.39%
Total	142,537	100.00%	\$21,528,772,336	100.00%



750,000 - 799,999

800,000 - 849,999

850,000 - 899,999

900,000 - 949,999

950,000 - 999,999

Total

1,000,000 and above

# National Bank of Canada Legislative Covered Bond Programme Monthly Investor Report

Cover Pool Occupancy Type         Number of Loans         Percentage         Principal Balance           Owner Occupied         127,445         89,41%         \$18,121,473,765           Non-Owner Occupied         15,092         10,59%         \$3,407,298,571           Total         142,537         100,00%         \$21,528,772,336           Mortgage Asset Type Distribution           Asset Type         Number of Loans         Percentage         Principal Balance           Conventional Mortgage         60,001         42,10%         \$11,974,470,864           Amortizing Segment of All-in-One Product         82,536         57,90%         \$9,554,301,472           Total         142,537         100,00%         \$21,528,772,336           Cover Pool Interest Rate Distribution           Interest Rate Distribution           Less than 2,000         22,421         15,73%         \$3,818,423,267           2,000 - 2,999         41,587         29,18%         \$5,282,576,532           3,000 - 3,999         5,756         4,04%         \$60,918,530           4,000 - 4,999         21,727         15,24%         \$4,763,435,136           5,000 - 5,999         42,485         29,81%         \$6,222,006,432	
Owner Occupied         127,445         89.41%         \$18,121,473,765           Non-Owner Occupied         15,092         10.59%         \$3,407,298,571           Total         142,537         100.00%         \$21,528,772,336           Mortgage Asset Type Distribution           Asset Type         Number of Loans         Percentage         Principal Balance           Conventional Mortgage         60,001         42.10%         \$11,974,470,864           Amortizing Segment of All-in-One Product         82,536         57.90%         \$9,554,301,472           Total         142,537         100.00%         \$21,528,772,336           Cover Pool Interest Rate Distribution           Interest Rate (%)         Number of Loans         Percentage         Principal Balance           Less than 2.000         22,421         15.73%         \$3,818,423,267           2.000 - 2.999         41,587         29.18%         \$5,282,576,532           3.000 - 3.999         5,756         4.04%         \$660,918,530           4.000 - 4.999         21,727         15.24%         \$4,763,435,136	
Non-Owner Occupied         15,092         10,59%         \$3,407,298,571           Total         142,537         100,00%         \$21,528,772,336           Mortgage Asset Type Distribution           Asset Type         Number of Loans         Percentage         Principal Balance           Conventional Mortgage         60,001         42.10%         \$11,974,470,864           Amortizing Segment of All-in-One Product         82,536         57.90%         \$9,554,301,472           Total         142,537         100.00%         \$21,528,772,336           Cover Pool Interest Rate Distribution           Interest Rate (%)         Number of Loans         Percentage         Principal Balance           Less than 2.000         22,421         15,73%         \$3,818,423,267           2.000 - 2.999         41,587         29,18%         \$5,282,576,532           3.000 - 3.999         5,756         4,04%         \$660,918,530           4.000 - 4.999         21,727         15,24%         \$4,763,435,136	<u>Percentage</u>
Mortgage Asset Type Distribution         Number of Loans         Percentage         Principal Balance           Conventional Mortgage         60,001         42.10%         \$11,974,470,864           Amortizing Segment of All-in-One Product         82,536         57.90%         \$9,554,301,472           Total         142,537         100.00%         \$21,528,772,336           Cover Pool Interest Rate Distribution           Interest Rate (%)         Number of Loans         Percentage         Principal Balance           Less than 2.000         22,421         15.73%         \$3,818,423,267           2.000 - 2.999         41,587         29.18%         \$5,282,576,532           3.000 - 3.999         5,756         4.04%         \$660,918,530           4.000 - 4.999         21,727         15.24%         \$4,763,435,136	84.17%
Mortgage Asset Type Distribution           Asset Type         Number of Loans         Percentage         Principal Balance           Conventional Mortgage         60,001         42.10%         \$11,974,470,864           Amortizing Segment of All-in-One Product         82,536         57,90%         \$9,554,301,472           Total         142,537         100.00%         \$21,528,772,336           Cover Pool Interest Rate Distribution           Interest Rate (%)         Number of Loans         Percentage         Principal Balance           Less than 2.000         22,421         15,73%         \$3,818,423,267           2.000 - 2.999         41,587         29,18%         \$5,282,576,532           3.000 - 3.999         5,756         4,04%         \$660,918,530           4.000 - 4,999         21,727         15,24%         \$4,763,435,136	15.83%
Asset Type         Number of Loans         Percentage         Principal Balance           Conventional Mortgage         60,001         42.10%         \$11,974,470,864           Amortizing Segment of All-in-One Product         82,536         57.90%         \$9,554,301,472           Total         142,537         100.00%         \$21,528,772,336           Cover Pool Interest Rate Distribution           Interest Rate (%)         Number of Loans         Percentage         Principal Balance           Less than 2.000         22,421         15.73%         \$3,818,423,267           2.000 - 2.999         41,587         29.18%         \$5,282,576,532           3.000 - 3.999         5,756         4.04%         \$660,918,530           4.000 - 4.999         21,727         15,24%         \$4,763,435,136	100.00%
Conventional Mortgage         60,001         42.10%         \$11,974,470,864           Amortizing Segment of All-in-One Product         82,536         57.90%         \$9,554,301,472           Total         142,537         100.00%         \$21,528,772,336           Cover Pool Interest Rate Distribution           Interest Rate (%)         Number of Loans         Percentage         Principal Balance           Less than 2.000         22,421         15.73%         \$3,818,423,267           2.000 - 2.999         41,587         29.18%         \$5,282,576,532           3.000 - 3.999         5,756         4.04%         \$660,918,530           4.000 - 4.999         21,727         15,24%         \$4,763,435,136	
Amortizing Segment of All-in-One Product         82,536         57.90%         \$9,554,301,472           Total         142,537         100.00%         \$21,528,772,336           Cover Pool Interest Rate Distribution         Number of Loans         Percentage         Principal Balance           Less than 2.000         22,421         15.73%         \$3,818,423,267           2.000 - 2.999         41,587         29.18%         \$5,282,576,532           3.000 - 3.999         5,756         4.04%         \$660,918,530           4.000 - 4.999         21,727         15,24%         \$4,763,435,136	<u>Percentage</u>
Total         142,537         100.00%         \$21,528,772,336           Cover Pool Interest Rate Distribution         Number of Loans         Percentage         Principal Balance           Less than 2.000         22,421         15.73%         \$3,818,423,267           2.000 - 2.999         41,587         29.18%         \$5,282,576,532           3.000 - 3.999         5,756         4.04%         \$660,918,530           4.000 - 4.999         21,727         15,24%         \$4,763,435,136	55.62%
Cover Pool Interest Rate Distribution           Interest Rate (%)         Number of Loans         Percentage         Principal Balance           Less than 2.000         22,421         15.73%         \$3,818,423,267           2.000 - 2.999         41,587         29.18%         \$5,282,576,532           3.000 - 3.999         5,756         4.04%         \$660,918,530           4.000 - 4.999         21,727         15.24%         \$4,763,435,136	44.38%
Interest Rate (%)         Number of Loans         Percentage         Principal Balance           Less than 2.000         22,421         15.73%         \$3,818,423,267           2.000 - 2.999         41,587         29.18%         \$5,282,576,532           3.000 - 3.999         5,756         4.04%         \$660,918,530           4.000 - 4.999         21,727         15.24%         \$4,763,435,136	100.00%
Less than 2.000       22,421       15.73%       \$3,818,423,267         2.000 - 2.999       41,587       29.18%       \$5,282,576,532         3.000 - 3.999       5,756       4.04%       \$660,918,530         4.000 - 4.999       21,727       15.24%       \$4,763,435,136	
2.000 - 2.999       41,587       29.18%       \$5,282,576,532         3.000 - 3.999       5,756       4.04%       \$660,918,530         4.000 - 4.999       21,727       15.24%       \$4,763,435,136	<u>Percentage</u>
3.000 - 3.999       5,756       4.04%       \$660,918,530         4.000 - 4.999       21,727       15.24%       \$4,763,435,136	17.74%
4.000 - 4.999 21,727 15.24% \$4,763,435,136	24.54%
	3.07%
5.000 - 5.999 42,485 29.81% \$6,222,006,432	22.13%
	28.90%
6.000 - 6.999 6,190 4.34% \$569,598,717	2.65%
7.000 - 7.999 1,219 0.86% \$98,507,515	0.46%
8.000 or Greater 1,152 0.81% \$113,306,207	0.53%
<b>Total</b> 142,537 100.00% \$21,528,772,336	100.00%
Cover Pool Remaining Balance	
Remaining Principal Balance (\$) Number of Loans Percentage Principal Balance	<u>Percentage</u>
99,999 and below 67,606 47.43% \$3,129,815,103	14.54%
100,000 - 149,999 22,882 16.05% \$2,840,239,960	13.19%
150,000 - 199,999 16,520 11.59% \$2,862,419,387	13.30%
200,000 - 249,999 10,561 7.41% \$2,359,596,442	10.96%
250,000 - 299,999 7,133 5.00% \$1,949,135,849	9.05%
300,000 - 349,999 4,764 3.34% \$1,541,778,821	7.16%
350,000 - 399,999 3,366 2.36% \$1,257,412,294	5.84%
400,000 - 449,999 2,456 1.72% \$1,041,332,747	4.84%
450,000 - 499,999       1,838       1.29%       \$870,286,114	4.04%
500,000 - 549,999 1,357 0.95% \$712,488,919	3.31%
550,000 - 599,999 1,003 0.70% \$574,874,565	2.67%
600,000 - 649,999 736 0.52% \$459,683,421	2.14%
650,000 - 699,999       529       0.37%       \$355,749,251	1.65%
700,000 - 749,999 416 0.29% \$301,368,273	1.40%

347

268

213

126

94

322

142,537

0.24%

0.19%

0.15%

0.09%

0.07%

0.23%

100.00%

\$268,529,943

\$220,419,109

\$186,099,173

\$116,265,833

\$91,499,328

\$389,777,804

\$21,528,772,336

1.25%

1.02%

0.86%

0.54%

0.43%

1.81%

100.00%



Cover Pool Months to Maturity Distribution				
Months to Maturity	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
5 or Less	16,089	11.29%	\$1,998,349,355	9.28%
6 - 11	25,047	17.57%	\$3,325,215,336	15.45%
12 - 23	53,928	37.83%	\$9,104,535,714	42.29%
24 - 35	34,893	24.48%	\$5,301,129,194	24.62%
36 - 47	7,725	5.42%	\$1,114,461,259	5.18%
48 - 59	3,988	2.80%	\$548,778,804	2.55%
60 - 71	778	0.55%	\$123,666,633	0.57%
72 - 83	61	0.04%	\$8,079,073	0.04%
84 or Greater	28	0.02%	\$4,556,968	0.02%
Total	142,537	100.00%	\$21,528,772,336	100.00%

Cover Pool Property Type Distribution				
Property Type	<b>Number of Loans</b>	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Single Family	111,650	78.33%	\$16,073,988,113	74.66%
Condominium	17,752	12.45%	\$3,069,082,448	14.26%
2-4 Family Units	13,135	9.22%	\$2,385,701,775	11.08%
Multiple	0	0.00%	\$0	0.00%
Total	142,537	100.00%	\$21,528,772,336	100.00%

Cover Pool Indexed LTV - Authorized Distribution				
Indexed LTV (%)	Number of Loans	<u>Percentage</u>	<b>Principal Balance</b>	<u>Percentage</u>
20.00 and below	8,707	6.11%	\$514,737,516	2.39%
20.01 - 25.00	5,259	3.69%	\$539,381,448	2.51%
25.01 - 30.00	6,946	4.87%	\$778,146,529	3.61%
30.01 - 35.00	10,060	7.06%	\$1,155,195,012	5.37%
35.01 - 40.00	16,155	11.33%	\$1,753,248,246	8.14%
40.01 - 45.00	15,755	11.05%	\$2,027,060,370	9.42%
45.01 - 50.00	14,343	10.06%	\$2,045,764,456	9.50%
50.01 - 55.00	14,084	9.88%	\$2,113,127,432	9.82%
55.01 - 60.00	11,654	8.18%	\$2,091,977,292	9.72%
60.01 - 65.00	10,766	7.55%	\$2,057,875,643	9.56%
65.01 - 70.00	11,898	8.35%	\$2,284,960,609	10.61%
70.01 - 75.00	10,521	7.38%	\$2,405,342,653	11.17%
75.01 - 80.00	5,591	3.92%	\$1,435,642,934	6.67%
Greater than 80.00	798	0.56%	\$326,312,196	1.52%
Total	142,537	100.00%	\$21,528,772,336	100.00%



Cover Pool Indexed LTV - Drawn Distribution				
Indexed LTV (%)	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
20.00 and below	25,297	17.75%	\$1,444,091,149	6.71%
20.01 - 25.00	10,676	7.49%	\$1,062,203,221	4.93%
25.01 - 30.00	12,123	8.51%	\$1,362,956,973	6.33%
30.01 - 35.00	13,061	9.16%	\$1,678,193,810	7.80%
35.01 - 40.00	13,890	9.74%	\$1,962,926,094	9.12%
40.01 - 45.00	12,461	8.74%	\$1,960,666,302	9.11%
45.01 - 50.00	11,827	8.30%	\$2,024,646,791	9.40%
50.01 - 55.00	10,355	7.26%	\$1,934,274,676	8.98%
55.01 - 60.00	9,363	6.57%	\$1,926,365,440	8.95%
60.01 - 65.00	8,231	5.77%	\$1,823,561,352	8.47%
65.01 - 70.00	7,412	5.20%	\$1,728,358,710	8.03%
70.01 - 75.00	5,322	3.73%	\$1,591,232,505	7.39%
75.01 - 80.00	2,051	1.44%	\$797,405,200	3.70%
Greater than 80.00	468	0.33%	\$231,890,114	1.08%
Total	142,537	100.00%	\$21,528,772,336	100.00%

rovincial Distribution b	y Indexed LTV	/ - Drawn and Aging Summary
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# Current and less than 30 days past due

Indexed LTV (%)	<u>Alberta</u>	British Columbia	<u>Manitoba</u>	New Brunswick	<u>Ontario</u>	Quebec	<u>Saskatchewan</u>	Other	<u>Total</u>
20.00 and below	\$14,100,423	\$73,842,441	\$1,372,171	\$10,619,828	\$347,249,262	\$991,673,201	\$5,092,161	\$0	\$1,443,949,487
20.01 - 25.00	\$12,683,201	\$49,890,666	\$1,266,682	\$9,744,082	\$281,505,107	\$702,290,777	\$4,462,555	\$0	\$1,061,843,070
25.01 - 30.00	\$15,151,854	\$57,716,229	\$3,048,805	\$14,839,426	\$311,295,063	\$950,601,122	\$9,362,500	\$0	\$1,362,014,999
30.01 - 35.00	\$25,731,640	\$55,765,719	\$2,403,194	\$14,742,367	\$375,108,318	\$1,192,499,731	\$9,817,394	\$0	\$1,676,068,362
35.01 - 40.00	\$36,073,991	\$71,787,308	\$3,923,003	\$19,416,032	\$387,844,285	\$1,437,380,028	\$5,507,395	\$0	\$1,961,932,041
40.01 - 45.00	\$58,013,480	\$35,293,013	\$4,051,002	\$17,498,017	\$399,399,874	\$1,440,935,563	\$2,897,075	\$0	\$1,958,088,024
45.01 - 50.00	\$54,522,144	\$44,281,295	\$5,012,843	\$26,952,683	\$426,525,443	\$1,459,669,592	\$4,686,980	\$0	\$2,021,650,981
50.01 - 55.00	\$62,288,234	\$34,342,197	\$5,158,780	\$26,470,338	\$439,471,927	\$1,360,214,784	\$3,847,969	\$0	\$1,931,794,229
55.01 - 60.00	\$51,373,359	\$36,007,425	\$6,933,897	\$27,273,162	\$471,670,008	\$1,325,736,918	\$6,669,357	\$0	\$1,925,664,126
60.01 - 65.00	\$35,148,377	\$45,183,749	\$4,204,033	\$21,898,060	\$471,438,366	\$1,238,253,408	\$6,924,802	\$0	\$1,823,050,795
65.01 - 70.00	\$25,679,861	\$31,709,976	\$6,551,725	\$19,697,277	\$464,663,704	\$1,173,509,234	\$4,384,258	\$0	\$1,726,196,035
70.01 - 75.00	\$11,170,837	\$39,488,503	\$3,876,175	\$19,159,782	\$629,024,053	\$881,374,797	\$4,879,528	\$0	\$1,588,973,675
75.01 - 80.00	\$1,138,954	\$20,451,773	\$735,040	\$3,100,199	\$592,707,939	\$178,899,708	\$371,586	\$0	\$797,405,200
Greater than 80.00	\$5,165,801	\$616,006	\$0	\$545,428	\$221,799,984	\$3,183,631	\$0	\$0	\$231,310,851
Total	\$408,242,154	\$596,376,300	\$48,537,351	\$231,956,681	\$5,819,703,336	\$14,336,222,494	\$68,903,561	\$0	\$21,509,941,876

#### 30 to 59 days past due

Indexed LTV (%)	Alberta	British Columbia	<u>Manitoba</u>	New Brunswick	<u>Ontario</u>	Quebec	Saskatchewan	<u>Other</u>	<u>Total</u>
20.00 and below	\$0	\$0	\$0	\$0	\$0	\$79,889	\$0	\$0	\$79,889
20.01 - 25.00	\$0	\$0	\$0	\$0	\$0	\$153,089	\$0	\$0	\$153,089
25.01 - 30.00	\$0	\$0	\$0	\$23,125	\$142,263	\$246,212	\$57,919	\$0	\$469,520
30.01 - 35.00	\$0	\$0	\$0	\$47,135	\$1,369,757	\$464,207	\$0	\$0	\$1,881,099
35.01 - 40.00	\$167,096	\$0	\$0	\$0	\$0	\$376,720	\$0	\$0	\$543,816
40.01 - 45.00	\$138,236	\$0	\$0	\$0	\$1,030,904	\$679,144	\$0	\$0	\$1,848,284
45.01 - 50.00	\$0	\$0	\$0	\$0	\$0	\$541,753	\$0	\$0	\$541,753
50.01 - 55.00	\$0	\$0	\$0	\$0	\$600,379	\$763,532	\$0	\$0	\$1,363,911
55.01 - 60.00	\$0	\$0	\$0	\$0	\$0	\$590,844	\$0	\$0	\$590,844
60.01 - 65.00	\$0	\$0	\$0	\$139,356	\$0	\$0	\$0	\$0	\$139,356
65.01 - 70.00	\$0	\$0	\$0	\$0	\$291,624	\$820,313	\$0	\$0	\$1,111,938
70.01 - 75.00	\$0	\$0	\$0	\$0	\$963,757	\$430,714	\$0	\$0	\$1,394,471
75.01 - 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Greater than 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$305,332	\$0	\$0	\$209,616	\$4,398,684	\$5,146,418	\$57,919	\$0	\$10,117,969



### 60 to 89 days past due

Indexed LTV (%)	Alberta	British Columbia	<u>Manitoba</u>	New Brunswick	<u>Ontario</u>	Quebec	Saskatchewan	Other	<u>Total</u>
20.00 and below	\$0	\$0	\$0	\$0	\$0	\$61,772	\$0	\$0	\$61,772
20.01 - 25.00	\$0	\$0	\$0	\$0	\$112,131	\$0	\$0	\$0	\$112,131
25.01 - 30.00	\$0	\$0	\$0	\$0	\$218,749	\$253,705	\$0	\$0	\$472,454
30.01 - 35.00	\$0	\$0	\$0	\$0	\$0	\$244,349	\$0	\$0	\$244,349
35.01 - 40.00	\$0	\$0	\$0	\$0	\$257,665	\$149,706	\$0	\$0	\$407,372
40.01 - 45.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45.01 - 50.00	\$0	\$1,517,881	\$0	\$115,739	\$600,363	\$0	\$0	\$0	\$2,233,982
50.01 - 55.00	\$0	\$0	\$0	\$0	\$1,116,536	\$0	\$0	\$0	\$1,116,536
55.01 - 60.00	\$0	\$0	\$0	\$0	\$0	\$110,470	\$0	\$0	\$110,470
60.01 - 65.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
65.01 - 70.00	\$0	\$0	\$0	\$0	\$0	\$303,593	\$0	\$0	\$303,593
70.01 - 75.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
75.01 - 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Greater than 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$1,517,881	\$0	\$115,739	\$2,305,444	\$1,123,594	\$0	\$0	\$5,062,658

### 90 or more days past due

Indexed LTV (%)	<u>Alberta</u>	British Columbia	<u>Manitoba</u>	New Brunswick	<u>Ontario</u>	Quebec	Saskatchewan	<u>Other</u>	<u>Total</u>
20.00 and below	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20.01 - 25.00	\$0	\$0	\$0	\$0	\$0	\$94,931	\$0	\$0	\$94,931
25.01 - 30.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30.01 - 35.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35.01 - 40.00	\$0	\$0	\$0	\$0	\$0	\$42,865	\$0	\$0	\$42,865
40.01 - 45.00	\$0	\$0	\$0	\$0	\$0	\$729,994	\$0	\$0	\$729,994
45.01 - 50.00	\$0	\$0	\$0	\$0	\$0	\$220,075	\$0	\$0	\$220,075
50.01 - 55.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55.01 - 60.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
60.01 - 65.00	\$0	\$0	\$0	\$0	\$0	\$371,201	\$0	\$0	\$371,201
65.01 - 70.00	\$0	\$0	\$0	\$0	\$0	\$747,145	\$0	\$0	\$747,145
70.01 - 75.00	\$0	\$0	\$0	\$0	\$546,586	\$317,774	\$0	\$0	\$864,360
75.01 - 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Greater than 80.00	\$0	\$0	\$0	\$0	\$579,263	\$0	\$0	\$0	\$579,263
Total	\$0	\$0	\$0	\$0	\$1,125,848	\$2,523,985	\$0	\$0	\$3,649,833

# Cover Pool Indexed LTV - Drawn by Credit Bureau Score

Indexed LTV (%)
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	599 and below	<u>600 - 650</u>	<u>651 - 700</u>	<u>701 - 750</u>	<u>751 - 800</u>	801 and above	Score Unavailable	<u>Total</u>
20.00 and below	\$4,560,989	\$10,080,513	\$37,992,411	\$98,307,105	\$160,393,539	\$1,118,852,491	\$13,904,101	\$1,444,091,149
20.01 - 25.00	\$7,141,833	\$11,817,610	\$38,201,561	\$96,991,187	\$152,301,836	\$746,442,428	\$9,306,765	\$1,062,203,221
25.01 - 30.00	\$15,192,546	\$17,252,396	\$56,688,382	\$146,463,108	\$228,698,880	\$886,079,068	\$12,582,593	\$1,362,956,973
30.01 - 35.00	\$17,341,403	\$26,975,174	\$82,190,109	\$202,335,776	\$327,632,972	\$1,010,598,341	\$11,120,034	\$1,678,193,810
35.01 - 40.00	\$19,774,449	\$27,750,940	\$104,970,149	\$276,481,652	\$414,579,637	\$1,107,094,783	\$12,274,484	\$1,962,926,094
40.01 - 45.00	\$15,769,575	\$33,422,613	\$123,673,826	\$297,317,337	\$417,598,074	\$1,062,234,290	\$10,650,587	\$1,960,666,302
45.01 - 50.00	\$24,548,844	\$39,854,609	\$124,735,598	\$327,982,322	\$467,849,012	\$1,029,503,150	\$10,173,255	\$2,024,646,791
50.01 - 55.00	\$22,705,101	\$40,198,417	\$137,252,725	\$372,197,440	\$475,637,136	\$875,683,766	\$10,600,091	\$1,934,274,676
55.01 - 60.00	\$19,666,223	\$31,809,296	\$162,530,711	\$404,866,813	\$476,655,908	\$816,205,752	\$14,630,738	\$1,926,365,440
60.01 - 65.00	\$20,047,010	\$45,404,921	\$159,166,160	\$420,360,518	\$464,194,830	\$703,902,874	\$10,485,041	\$1,823,561,352
65.01 - 70.00	\$20,023,247	\$39,264,701	\$167,659,438	\$415,478,309	\$432,652,677	\$645,117,541	\$8,162,797	\$1,728,358,710
70.01 - 75.00	\$28,511,538	\$44,066,325	\$171,647,984	\$377,701,989	\$398,556,940	\$563,283,106	\$7,464,624	\$1,591,232,505
75.01 - 80.00	\$9,253,185	\$23,408,176	\$96,248,678	\$206,706,707	\$198,221,781	\$255,170,009	\$8,396,665	\$797,405,200
Greater than 80.00	\$5,525,957	\$7,667,179	\$23,277,064	\$55,780,711	\$55,021,326	\$83,159,925	\$1,457,953	\$231,890,114
Total	\$230,061,900	\$398,972,869	\$1,486,234,795	\$3,698,970,974	\$4,669,994,549	\$10,903,327,523	\$141,209,726	\$21,528,772,336



Calculation Date: 29 Nov 2024

#### Indexation Methodology

As of the date of this Investor Report, the Guarantor uses the methodology described below (which methodology is, as of the date hereof, the "Indexation Methodology"), to establish the market value of residential properties securing loans included in the Covered Bond Portfolio on a quarterly basis for purposes of the Asset Coverage Test, the Amortization Test, the Valuation Calculation and for other purposes as may be required by the CMHC Guide from time to time. Changes to the Indexation Methodology may only be made (i) upon notice to CMHC and satisfaction of any other conditions specified by CMHC in relation thereto, (ii) if such change constitutes a material change, subject to satisfaction of the Rating Agency Condition, and (iii) if such change is materially prejudicial to the Covered Bondholders, subject to the consent of the Bond Trustee. The Indexation Methodology must at all times comply with the requirements of the CMHC Guide.

The primary index used by the Guarantor to determine the market value of a Property is the Teranet-National Bank Regional and Property Type Sub-IndicesTM (the "RPT Sub-Indices"). The RPT Sub-Indices are estimated by tracking the observed or registered home prices over time based on property records of public land registries and grouped based on the first three digits of the Property's postal code. A Property must have been sold at least twice in order to be included in the calculation of the RPT Sub-Indices. In areas where sufficient data is available, the RPT Sub-Indices may be further subdivided by property type (all types, single-family homes and condominiums), which offers another layer of valuation granularity without compromising the statistical estimation error terms. To the extent necessary, the Teranet-National Bank House Price IndexTM – Composite 11 Index (the "HPI – Composite 11") will be used for indexation purposes where the RPT Sub-Indices are not available. The HPI – Composite 11 combines the metropolitan areas of Victoria, Vancouver, Calgary, Edmonton, Winnipeg, Hamilton, Toronto, Ottawa, Montréal, Québec and Halifax to form a national composite index. At this time, New Brunswick and Saskatchewan are the only areas relevant to the Covered Bond Portfolio for which the RPT Sub-Indices are not available. For regions where the RPT Sub-Indices are not subdivided by property type, the Guarantor will use the all types sub-index. The RPT Sub-Indices and the HPI – Composite 11 are available by subscription at www.housepriceindex.ca. This website and its contents do not form part of this Investor Report.

For each Property in the Covered Bond Portfolio, the indexed valuation for a quarter will be determined by multiplying the Original Market Value (as defined in the CMHC Guide) for such Property by the percentage change since the valuation date in the price level for the sub-index in which such Property is located and, if available, also based on the property type.

Material risks associated with using the Indexation Methodology include, but are not limited to, the following: the accuracy, adequacy, timeliness and completeness of the indices being relied upon; the consistency in underlying methodology of such indices; the continued availability of the home sale price data provided to Teranet; in the case of Properties outside of the regions covered by the RPT Sub-Indices, the risk that the HPI – Composite 11 may not accurately capture unique factors affecting local housing markets; and in the case of Properties located within the regions where the RPT Sub-Indices are not subdivided by property type, the risk that the all-types sub-index may not account for differences in property value changes based on property type.

National Bank of Canada (in its capacity as a licensor of the Index (as defined below), the "NBC Licensor") has, jointly with Teranet Inc. ("Teranet" and collectively with the NBC Licensor and their third party licensors the "Licensors"), developed a methodology and algorithm to create a residential house price index. The National Bank of Canada Legislative Covered Bond Programme (the "Programme") is not endorsed, sold or promoted by the Licensors. None of the Licensors make any representation or warranty, express or implied, to the parties to the Programme or any member of the public regarding the advisability or recommendation of investing in the Programme particularly or concerning the results to be obtained from the Teranet-National Bank House Price IndexTM and the Teranet-National Bank Regional and Property Type Sub-IndicesTM (the "Index") and its ability to track the performance of the residential real estate and housing markets or concerning the extent to which the capital value or income return of the Programme matches or will match the performance of the Index or the levels at which Index may stand at a particular date. The Licensors' only relationship to National Bank of Canada as licensee (in such capacity, "NBC") is the licensing of certain trademarks and trade names of the Licensors without regards to NBC or the Programme. The Licensors have no obligation to take the needs of NBC or the parties to the Programme into consideration in determining, composing or calculating the Index. None of the Licensors is responsible for and none has participated in determining the pricing, quantities or timing of the execution of the Programme by the parties thereto or the assessment or method of settlement calculation therefor. The Licensors have no obligation or liability in connection with the administration, marketing or trading of the Programme.

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