

Calculation Date: 28 Feb 2020

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 Information								
<u>Series</u>	Initial Amount	Translation Rate	C\$ Equivalent	Maturity Date	Extended Due for Payment Date	Coupon Rate	Rate Type	Maturity Type
CBL2	€1,000,000,000	1.5363	\$1,536,300,000	25 Mar 2021	25 Mar 2022	1.500%	Fixed	Soft
CBL3	€1,000,000,000	1.3869	\$1,386,900,000	26 Jan 2022	26 Jan 2023	0.500%	Fixed	Soft
CBL5	£100,000,000	1.7100	\$171,000,000	27 Sep 2021	27 Sep 2022	3 month £ Libor +0.370%	Floating	Soft
CBL5 (Tranche 2)	£70,000,000	1.6400	\$114,800,000	27 Sep 2021	27 Sep 2022	3 month £ Libor +0.370%	Floating	Soft
CBL5 (Tranche 3)	£80,000,000	1.6460	\$131,680,000	27 Sep 2021	27 Sep 2022	3 month £ Libor +0.370%	Floating	Soft
CBL6	€750,000,000	1.4618	\$1,096,350,000	29 Sep 2023	29 Sep 2024	0.000%	Fixed	Soft
CBL7	€750,000,000	1.5998	\$1,199,812,500	13 Mar 2025	13 Mar 2026	0.750%	Fixed	Soft
CBL8	€750,000,000	1.5410	\$1,155,772,500	24 Jul 2023	24 Jul 2024	0.250%	Fixed	Soft
CBL9	USD\$270,000,000	1.3321	\$359,667,000	14 Dec 2020	14 Dec 2021	3 month USD Libor +0.180%	Floating	Soft
CBL10	€750,000,000	1.5206	\$1,140,420,000	15 Jan 2024	15 Jan 2025	0.375%	Fixed	Soft
CBL11	USD\$1,000,000,000	1.3330	\$1,333,000,000	20 Jun 2022	20 Jun 2023	2.050%	Fixed	Soft
		_	\$9,625,702,000					

Weighted Average Maturity of Outstanding Covered Bonds (months) 33.24
Weighted Average Remaining Term of Loans in Cover Pool (months) 27.49

Series Ratings	Moody's	<b>DBRS</b>	Fitch Ratings
CBL2	Aaa	AAA	AAA
CBL3	Aaa	AAA	AAA
CBL5	Aaa	AAA	AAA
CBL5 (Tranche 2)	Aaa	AAA	AAA
CBL5 (Tranche 3)	Aaa	AAA	AAA
CBL6	Aaa	AAA	AAA
CBL7	Aaa	AAA	AAA
CBL8	Aaa	AAA	AAA
CBL9	Aaa	AAA	AAA
CBL10	Aaa	AAA	AAA
CBL11	Aaa	AAA	AAA

### Supplementary Information

#### **Parties**

**Guarantor Entity** 

Issuer National Bank of Canada (NBC)

NBC Covered Bond (Legislative) Guarantor Limited Partnership

Servicer & Cash Manager National Bank of Canada Swap Provider National Bank of Canada

Covered Bond Trustee & Custodian Computershare Trust Company of Canada

Asset Monitor Deloitte LLP

Account Bank & GIC Provider

National Bank of Canada
Standby Account Bank & GIC Provider

Royal Bank of Canada (RBC)

Paying Agent The Bank of New York Mellon (Luxembourg) S.A.



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#### National Bank of Canada Ratings

	Standard & Poor's	<u>IVIOOdy's</u>	DBRS	Fitch Ratings
Long Term Senior Debt	Α	Aa3	AA (low)	AA-
Short Term Senior Debt	A-1	P-1	R-1 M	F1+
Outlook	Stable	Stable	Positive	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

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

	Moody's (Deposit Rating)	DBRS (Debt Ratings)	Fitch Ratings (Issuer Default Rating)
Long Term	Aa2	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.

Moody's	<u>DBRS</u>	<u>Fitch</u>
P-1*	R-1(low)* or A	F1* or A
P-1*	R-1(low)* or A	F1* or A
P-2(cr)*	BBB (low)	F2*
Baa3	BBB (low)	F2*
P-2(cr)* or A3(cr)	R-2(mid)* or BBB	F2* or BBB+
P-2(cr)* or A3(cr)	R-2(mid)* or BBB	F2* or BBB+
Baa1	BBB (low)	BBB-
	P-1* P-1* P-2(cr)* Baa3 P-2(cr)* or A3(cr) P-2(cr)* or A3(cr)	P-1* R-1(low)* or A P-1* R-1(low)* or A P-2(cr)* BBB (low) Baa3 BBB (low) P-2(cr)* or A3(cr) R-2(mid)* or BBB R-2(cr)* or BBB

### B. Specified Rating Related Action

 The following actions are required if the rating of the Cash Manager (NBC) falls below the stipulated rating:

Cash Manager (1426) fails below the supulated fathing.	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:

	Moody's	<u>DBRS</u>	<u>Fitch</u>
(a) Servicer is required to transfer amounts belonging to the Guaranto	or P-1(cr)*	BBB(low)	F1* or A

to the Cash Manager or the GIC Account, as applicable, within 2 business days

iii. The following actions are required if the rating of the Issuer (NBC) falls below the stipulated rating:

	Moody's	DBRS	<u>Fitch</u>
(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

Baa1

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

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).

BBB(high)

BBB+

#### **Events of Default**

Issuer Event of Default No Guarantor Event of Default No



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## Asset Coverage Test

Outstanding Covered Bonds	\$9,625,702,000	
	440.074.074.000	A (I) . A 4 7 000 7 10 404
A = Lesser of (i) LTV Adjusted True Balance and	\$13,971,974,322	A(i): \$15,233,740,191
(ii) Asset Percentage Adjusted True Balance		A(ii): \$13,971,974,322
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 Overcollateralization1: 109.14%
Z = Negative Carry Factor calculation	\$133,313,419	
Total: A + B + C + D + E - Y- Z	\$13,838,660,902	
Asset Coverage Test	PASS.	

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

## Valuation Calculation

Trading Value of Covered Bonds	\$9,772,666,080
A = LTV Adjusted Loan Present Value	\$14,912,514,456
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	\$14,912,514,456
Weighted average market rate used for discounting:	4.00%

### 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	\$10,505,343,237
Demand Loan	\$4,902,656,233
Total	\$15,407,999,470

### Covered Bonds Outstanding vs OSFI Limit

Covered Bonds Currently Outstanding (CAD Equivalent):  Issued under the Legislative Covered Bond Programme	\$9,625,702,000
Total	\$9,625,702,000
OSFI Covered Bond Ratio <sup>2</sup> :	3.63%
OSFI Covered Bond Ratio Limit:	5.50%

<sup>&</sup>lt;sup>2</sup> Per OSFI's letter dated May 23, 2019, the OSFI Covered Bond Ratio refers to total assets pledged for covered bonds relative to total on-balance sheet assets. Total on-balance sheet assets as at January 31, 2020.

<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.



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Cover Pool Summary Statistics	
Previous Month Ending Balance	\$15,449,341,738
Current Balance	\$15,240,034,786
Number of Mortgage loans in Pool	118,852
Average Mortgage Size	\$128,227
Number of Properties	93,249
Number of Primary Borrowers	89,636
Weighted Average Indexed Authorized LTV	58.70%
Weighted Average Indexed Drawn LTV	51.68%
Weighted Average Original LTV	71.70%
Weighted Average Interest Rate	3.00%
Weighted Average Seasoning	27.13 months
Weighted Average Original Term	54.62 months
Weighted Average Remaining Term	27.49 months

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.

Cover Pool Delinquency Distribution								
Aging Summary	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>				
Current and less than 30 days past due	118,728	99.90%	\$15,223,850,159	99.89%				
30 to 59 days past due	64	0.05%	\$8,847,896	0.06%				
60 to 89 days past due	31	0.03%	\$3,917,204	0.03%				
90 or more days past due	29	0.02%	\$3,419,527	0.02%				
Total	118,852	100.00%	\$15,240,034,786	100.00%				

Cover Pool Provincial Distribution				
<u>Province</u>	<b>Number of Loans</b>	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Alberta	2,848	2.40%	\$580,208,646	3.81%
British Columbia	2,694	2.27%	\$820,308,985	5.38%
Manitoba	392	0.33%	\$50,189,013	0.33%
New Brunswick	2,064	1.74%	\$169,618,310	1.11%
Ontario	18,071	15.20%	\$4,158,840,858	27.29%
Quebec	92,201	77.58%	\$9,373,404,832	61.51%
Saskatchewan	582	0.49%	\$87,464,143	0.57%
Other	0	0.00%	\$0	0.00%
Total	118,852	100.00%	\$15,240,034,786	100.00%

Cover Pool Credit Score Distribution								
Credit Score*	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>				
Score Unavailable	1,240	1.04%	\$185,242,929	1.22%				
599 and below	1,908	1.61%	\$226,626,451	1.49%				
600 - 650	2,776	2.34%	\$367,989,845	2.41%				
651 - 700	9,200	7.74%	\$1,324,307,520	8.69%				
701 - 750	20,249	17.04%	\$3,046,260,509	19.99%				
751 - 800	23,816	20.04%	\$3,364,732,692	22.08%				
801 and above	59,663	50.20%	\$6,724,874,839	44.13%				
Total	118,852	100.00%	\$15,240,034,786	100.00%				

As of December 2019, National Bank implemented a new credit bureau score for its portfolio management activities. As a result of this change, the credit bureau scores in the table are not comparable to periods prior to December 2019.

Cover Pool Interest Rate Type Distribution				
Interest Rate Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Fixed	98,246	82.66%	\$11,866,928,657	77.87%
Variable	20,606	17.34%	\$3,373,106,129	22.13%
Total	118,852	100.00%	\$15,240,034,786	100.00%



1,000,000 and above

Total

# National Bank of Canada Legislative Covered Bond Programme Monthly Investor Report Calculation Date: 28 Feb 2020

BANK	Calculation Date:	28 Feb 2020		
Cover Pool Occupancy Type Distribution				
Occupancy Type	Number of Loans	<u>Percentage</u>	Principal Balance	Percentage
Owner Occupied	105,021	88.36%	\$12,978,978,782	85.16%
Non-Owner Occupied	13,831	11.64%	\$2,261,056,004	14.84%
Total	118,852	100.00%	\$15,240,034,786	100.00%
Mortgage Asset Type Distribution				
Asset Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Conventional Mortgage	49,582	41.72%	\$7,624,629,169	50.03%
Amortizing Segment of All-in-One Product	69,270	58.28%	\$7,615,405,617	49.97%
Total	118,852	100.00%	\$15,240,034,786	100.00%
Cover Pool Interest Rate Distribution				
Interest Rate (%)	Number of Loans	<u>Percentage</u>	Principal Balance	Percentage
Less than 2.000	57	0.05%	\$7,721,590	0.05%
2.000 - 2.999	62,357	52.47%	\$8,075,822,216	52.99%
3.000 - 3.999	54,340	45.72%	\$6,913,194,615	45.36%
4.000 - 4.999	1,265	1.06%	\$152,298,718	1.00%
5.000 - 5.999	179	0.15%	\$21,326,224	0.14%
6.000 - 6.999	28	0.02%	\$2,309,089	0.02%
7.000 - 7.999	626	0.53%	\$67,362,333	0.44%
8.000 or Greater	0	0.00%	\$0	0.00%
Total	118,852	100.00%	\$15,240,034,786	100.00%
Cover Pool Remaining Balance				
Remaining Principal Balance (\$)	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
99,999 and below	63,447	53.38%	\$3,008,031,357	19.74%
100,000 - 149,999	20,428	17.19%	\$2,523,822,890	16.56%
150,000 - 199,999	13,649	11.48%	\$2,362,453,497	15.50%
200,000 - 249,999	7,529	6.33%	\$1,678,646,682	11.01%
250,000 - 299,999	4,520	3.80%	\$1,232,424,184	8.09%
300,000 - 349,999	2,808	2.36%	\$907,147,218	5.95%
350,000 - 399,999	1,788	1.50%	\$667,966,889	4.38%
400,000 - 449,999	1,153	0.97%	\$488,421,732	3.20%
450,000 - 499,999	825	0.69%	\$390,753,706	2.56%
500,000 - 549,999	587	0.49%	\$307,405,161	2.02%
550,000 - 599,999	436	0.37%	\$249,497,444	1.64%
600,000 - 649,999	334	0.28%	\$208,627,216	1.37%
550,000 - 699,999	210	0.18%	\$141,356,552	0.93%
700,000 - 749,999	208	0.18%	\$150,175,108	0.99%
750,000 - 799,999	184	0.15%	\$142,137,695	0.93%
800,000 - 849,999	138	0.12%	\$113,810,609	0.75%
850,000 - 899,999	123	0.10%	\$107,348,772	0.70%
900,000 - 949,999	145	0.12%	\$133,987,621	0.88%
950,000 - 999,999	71	0.06%	\$68,962,332	0.45%

269

118,852

0.23%

100.00%

2.34%

100.00%

\$357,058,122

\$15,240,034,786



Greater than 80.00

Total

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Cover Pool Months to Maturity Distribut	tion			
Months to Maturity	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
5 or Less	13,462	11.33%	\$1,446,574,559	9.49%
6 - 11	14,447	12.16%	\$1,648,971,538	10.82%
12 - 23	26,669	22.44%	\$3,382,297,777	22.19%
24 - 35	25,813	21.72%	\$3,563,570,231	23.38%
36 - 47	26,641	22.42%	\$3,661,527,289	24.03%
48 - 59	10,718	9.02%	\$1,402,211,363	9.20%
60 - 71	987	0.83%	\$119,339,398	0.78%
72 - 83	35	0.03%	\$3,666,536	0.02%
84 or Greater	80	0.07%	\$11,876,096	0.08%
Total	118,852	100.00%	\$15,240,034,786	100.00%
Cover Pool Property Type Distribution				
Property Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Single Family	93,695	78.83%	\$11,735,785,748	77.01%
Condominium	13,586	11.43%	\$1,819,466,895	11.94%
2-4 Family Units	11,571	9.74%	\$1,684,782,143	11.06%
Total	118,852	100.00%	\$15,240,034,786	100.00%
Cover Pool Indexed LTV - Authorized Dis	stribution			
Indexed LTV (%)	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
20.00 and below	3,532	2.97%	\$162,343,290	1.07%
20.01 - 25.00	2,202	1.85%	\$170,788,509	1.12%
25.01 - 30.00	3,029	2.55%	\$285,817,971	1.88%
30.01 - 35.00	4,253	3.58%	\$483,652,076	3.17%
35.01 - 40.00	5,653	4.76%	\$722,126,552	4.74%
40.01 - 45.00	6,933	5.83%	\$950,950,526	6.24%
45.01 - 50.00	8,280	6.97%	\$1,163,168,930	7.63%
50.01 - 55.00	9,774	8.22%	\$1,413,341,405	9.27%
55.01 - 60.00	12,328	10.37%	\$1,803,833,952	11.84%
60.01 - 65.00	14,575	12.26%	\$2,132,370,281	13.99%
65.01 - 70.00	16,184	13.62%	\$2,166,276,827	14.21%
70.01 - 75.00	17,560	14.77%	\$2,188,411,341	14.36%
75.01 - 80.00	11,830	9.95%	\$1,261,906,314	8.28%
Greater than 80.00	2,719	2.29%	\$335,046,811	2.20%
Total	118,852	100.00%	\$15,240,034,786	100.00%
Cover Pool Indexed LTV - Drawn Distrib	ution			
Indexed LTV (%)	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
20.00 and below	11,720	9.86%	\$592,901,388	3.89%
20.01 - 25.00	5,489	4.62%	\$463,335,657	3.04%
25.01 - 30.00	6,297	5.30%	\$610,399,718	4.01%
30.01 - 35.00	7,488	6.30%	\$850,817,256	5.58%
35.01 - 40.00	8,667	7.29%	\$1,079,350,238	7.08%
40.01 - 45.00	9,659	8.13%	\$1,291,572,607	8.47%
45.01 - 50.00	10,572	8.90%	\$1,462,697,259	9.60%
50.01 - 55.00	11,362	9.56%	\$1,639,777,859	10.76%
55.01 - 60.00	11,887	10.00%	\$1,827,047,673	11.99%
60.01 - 65.00	12,135	10.21%	\$1,895,433,609	12.44%
65.01 - 70.00	11,501	9.68%	\$1,742,277,182	11.43%
70.01 - 75.00	8,703	7.32%	\$1,300,431,940	8.53%
75.01 - 80.00	2,938	2.47%	\$402,000,375	2.64%
Crostor than 90.00	424	0.370/	¢01.002.022	O E 40/

118,852

0.37%

100.00%

0.54%

100.00%

\$81,992,023

\$15,240,034,786



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Provincial Distribution by Indexed L	TV - Drawn and	Aging Summary							
Current and less than 30 days past		7.gg • aa. y							
<u>due</u> Indexed LTV (%)	Alborta	British Columbia	Manitoha	New Brunswick	Ontario	Quebec	Saskatchewan	Other	Total
								·	· <del></del>
20.00 and below	\$7,396,621	\$48,591,099	\$1,981,465	\$4,870,660	\$210,813,171	\$316,749,715	\$2,237,379	\$0	\$592,640,110
20.01 - 25.00	\$5,116,735	\$44,245,761	\$1,368,487	\$4,619,526	\$174,069,578	\$231,567,380	\$2,235,397	\$0 \$0	\$463,222,865
25.01 - 30.00	\$6,858,387	\$44,654,088	\$1,073,498	\$6,562,308	\$241,128,434	\$307,858,494	\$2,248,522	\$0	\$610,383,731
30.01 - 35.00	\$8,154,710	\$61,228,100	\$1,645,698	\$8,926,513	\$348,798,369	\$417,435,733	\$3,986,028	\$0	\$850,175,152
35.01 - 40.00	\$10,877,014	\$76,520,257	\$1,287,418	\$12,173,952	\$446,140,007	\$525,425,771	\$6,350,452	\$0	\$1,078,774,871
40.01 - 45.00	\$18,028,838	\$107,675,893	\$2,520,749	\$23,514,737	\$457,102,889	\$666,206,079	\$14,156,286	\$0	\$1,289,205,470
45.01 - 50.00	\$26,256,904	\$87,913,780	\$2,904,112	\$28,222,286	\$449,292,844	\$848,758,910	\$17,869,530	\$0	\$1,461,218,366
50.01 - 55.00	\$29,633,406		\$8,232,162	\$18,709,092	\$427,311,817	\$1,045,408,292	\$13,049,779	\$0	\$1,638,578,312
55.01 - 60.00	\$43,980,367	\$83,996,017	\$6,638,963	\$11,280,398	\$472,999,996	\$1,197,740,708	\$7,803,660	\$0	\$1,824,440,110
60.01 - 65.00	\$63,228,224	\$72,385,543	\$8,055,971	\$18,421,930	\$403,927,728	\$1,322,457,791	\$4,909,131	\$0	\$1,893,386,318
65.01 - 70.00	\$85,763,537	\$51,878,673	\$5,593,538	\$9,373,133	\$290,690,665	\$1,292,918,266	\$3,921,084	\$0	\$1,740,138,896
70.01 - 75.00	\$118,498,847	\$27,608,274	\$8,205,619	\$17,563,649	\$190,903,076	\$930,311,381	\$5,543,594	\$0	\$1,298,634,439
75.01 - 80.00	\$98,900,661	\$11,538,065	\$681,332	\$4,890,555	\$32,080,023	\$250,952,312	\$2,099,486	\$0	\$401,142,432
Greater than 80.00	\$56,520,028	\$4,485,033	\$0	\$0	\$7,569,415	\$12,460,683	\$873,928	\$0	\$81,909,086
Total	\$579,214,279	\$818,954,348	\$50,189,013	\$169,128,739	\$4,152,828,012	\$9,366,251,514	\$87,284,253	\$0	\$15,223,850,159
30 to 59 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	\$91,500	\$0	\$0	\$91,500
20.01 - 25.00	\$0	\$0	\$0	\$0	\$0	\$27,800	\$0	\$0	\$27,800
25.01 - 30.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30.01 - 35.00	\$0	\$0	\$0	\$97,482	\$0	\$161,636	\$0	\$0	\$259,119
35.01 - 40.00	\$0	\$0	\$0	\$0	\$0	\$546,036	\$0	\$0	\$546,036
40.01 - 45.00	\$0	\$0	\$0	\$0	\$1,077,242	\$0	\$0	\$0	\$1,077,242
45.01 - 50.00	\$0	\$138,026	\$0	\$0	\$173,162	\$496,067	\$0	\$0	\$807,254
50.01 - 55.00	\$0	\$0	\$0	\$54,691	\$390,650	\$358,458	\$0	\$0	\$803,799
55.01 - 60.00	\$0	\$0	\$0	\$0	\$1,575,739	\$589,211	\$0	\$0	\$2,164,950
60.01 - 65.00	\$0	\$0	\$0	\$0	\$0	\$510,974	\$0	\$0	\$510,974
65.01 - 70.00	\$0	\$0	\$0	\$0	\$0	\$512,033	\$0	\$0	\$512,033
70.01 - 75.00	\$374,950	\$0	\$0	\$0	\$427,470	\$877,497	\$0	\$0	\$1,679,917
75.01 - 80.00	\$0	\$0	\$0	\$0	\$0	\$367,273	\$0	\$0	\$367,273
Greater than 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$374,950	\$138,026	\$0	\$152,173	\$3,644,264	\$4,538,484	\$0	\$0	\$8,847,896
	-								
60 to 89 days past due									
Indexed LTV (%)	Alberta	British Columbia	Manitoha	New Brunswick	Ontario	Quebec	Saskatchewan	Other	<u>Total</u>
20.00 and below 20.01 - 25.00	\$0	\$84,976	\$0	\$0	\$84,803	\$0	\$0	\$0	\$169,778
25.01 - 30.00 25.01 - 30.00	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$38,366 \$15,987	\$0 \$0	\$0 \$0	\$38,366 \$15,987
30.01 - 35.00 35.01 - 40.00	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 •0	\$224,611	\$0 \$0	\$0 \$0	\$224,611
	\$0	\$0	\$0	\$0	\$0	\$29,332	\$0 #106.030	\$0	\$29,332
40.01 - 45.00	\$0	\$0	\$0	\$0	\$825,260	\$103,644	\$106,039	\$0	\$1,034,943
45.01 - 50.00	\$0	\$0	\$0	\$195,545	\$0	\$0	\$0 ©0	\$0	\$195,545
50.01 - 55.00	\$0	\$0	\$0	\$141,853	\$0	\$108,622	\$0 ©0	\$0	\$250,474
55.01 - 60.00	\$0	\$0	\$0	\$0	\$97,369	\$0	\$0	\$0	\$97,369
60.01 - 65.00	\$294,413	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$294,413
65.01 - 70.00	\$0	\$0	\$0	\$0	\$643,649	\$432,067	\$0	\$0	\$1,075,716

\$0

\$242,066

\$536,479

\$0

\$0

\$0

\$84,976

\$0

\$0

\$0

\$0

\$0

\$0

\$0

\$337,398

\$0

\$0

\$0

\$1,651,080

70.01 - 75.00

75.01 - 80.00

Greater than 80.00

\$0

\$0

\$490,670

\$3,917,204

\$0

\$0

\$0

\$106,039

\$0

\$248,604

\$1,201,232

\$0

\$0

\$0

\$0



# National Bank of Canada Legislative Covered Bond Programme Monthly Investor Report Calculation Date: 28 Feb 2020

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	\$0	\$0	\$0	\$0
20.01 - 25.00	\$0	\$0	\$0	\$0	\$0	\$46,627	\$0	\$0	\$46,627
25.01 - 30.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30.01 - 35.00	\$0	\$0	\$0	\$0	\$158,375	\$0	\$0	\$0	\$158,375
35.01 - 40.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40.01 - 45.00	\$0	\$0	\$0	\$0	\$0	\$181,101	\$73,850	\$0	\$254,951
45.01 - 50.00	\$0	\$0	\$0	\$0	\$344,373	\$131,720	\$0	\$0	\$476,093
50.01 - 55.00	\$0	\$0	\$0	\$0	\$0	\$145,274	\$0	\$0	\$145,274
55.01 - 60.00	\$0	\$0	\$0	\$0	\$214,755	\$130,489	\$0	\$0	\$345,244
60.01 - 65.00	\$0	\$1,131,636	\$0	\$0	\$0	\$110,269	\$0	\$0	\$1,241,905
65.01 - 70.00	\$0	\$0	\$0	\$0	\$0	\$550,536	\$0	\$0	\$550,536
70.01 - 75.00	\$0	\$0	\$0	\$0	\$0	\$117,584	\$0	\$0	\$117,584
75.01 - 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Greater than 80.00	\$82,938	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$82,938
Total	\$82,938	\$1,131,636	\$0	\$0	\$717,503	\$1,413,601	\$73,850	\$0	\$3,419,527

Cover Pool	imaexea LT	/ - Drawn by	Credit Bureau
Score*			

## Indexed LTV (%)

	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	\$2,587,493	\$4,942,082	\$15,402,200	\$49,039,674	\$74,659,145	\$437,987,090	\$8,283,704	\$592,901,388
20.01 - 25.00	\$2,473,299	\$4,759,677	\$21,110,044	\$59,675,609	\$71,765,067	\$294,154,437	\$9,397,523	\$463,335,657
25.01 - 30.00	\$4,256,784	\$5,813,769	\$29,274,713	\$76,884,983	\$112,732,682	\$373,093,851	\$8,342,936	\$610,399,718
30.01 - 35.00	\$10,073,941	\$11,972,110	\$49,203,222	\$133,563,952	\$167,343,690	\$467,048,885	\$11,611,455	\$850,817,256
35.01 - 40.00	\$14,882,319	\$17,491,331	\$74,661,387	\$165,353,355	\$215,099,880	\$577,090,019	\$14,771,947	\$1,079,350,238
40.01 - 45.00	\$17,509,715	\$22,110,267	\$87,597,566	\$225,877,186	\$276,721,887	\$646,978,800	\$14,777,185	\$1,291,572,607
45.01 - 50.00	\$19,035,374	\$32,776,663	\$122,235,718	\$269,764,671	\$321,156,090	\$676,996,208	\$20,732,536	\$1,462,697,259
50.01 - 55.00	\$24,027,414	\$41,824,658	\$133,209,351	\$331,778,151	\$377,233,368	\$712,255,470	\$19,449,447	\$1,639,777,859
55.01 - 60.00	\$34,076,448	\$47,932,074	\$172,484,677	\$391,307,078	\$443,978,977	\$711,054,309	\$26,214,111	\$1,827,047,673
60.01 - 65.00	\$30,447,784	\$52,800,311	\$185,341,778	\$448,845,785	\$457,598,693	\$702,262,820	\$18,136,438	\$1,895,433,609
65.01 - 70.00	\$29,491,610	\$56,183,653	\$186,488,323	\$422,388,986	\$423,354,514	\$607,521,486	\$16,848,610	\$1,742,277,182
70.01 - 75.00	\$24,857,433	\$47,122,698	\$173,139,302	\$327,952,020	\$311,311,839	\$405,261,194	\$10,787,455	\$1,300,431,940
75.01 - 80.00	\$9,637,798	\$17,103,318	\$61,178,555	\$123,457,502	\$96,835,287	\$89,415,223	\$4,372,692	\$402,000,375
Greater than 80.00	\$3,269,039	\$5,157,233	\$12,980,686	\$20,371,557	\$14,941,572	\$23,755,048	\$1,516,889	\$81,992,023
Total	\$226,626,451	\$367,989,845	\$1,324,307,520	\$3,046,260,509	\$3,364,732,692	\$6,724,874,839	\$185,242,929	\$15,240,034,786

As of December 2019, National Bank implemented a new credit bureau score for its portfolio management activities. As a result of this change, the credit bureau scores in the table are not comparable to periods prior to December 2019.



Calculation Date: 28 Feb 2020

#### 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.

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