

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

Series	Initial Amount	Translation Rate	<u>C\$ Equivalent</u>	Maturity Date	Extended Due for Payment Date	Coupon Rate	Rate Type	<u>Maturity Type</u>
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
		-	\$8,292,702,000					

Weighted Average Maturity of Outstanding Covered Bonds (months)	44.12
Weighted Average Remaining Term of Loans in Cover Pool (months)	29.85

Series Ratings	Moody's	DBRS	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

#### Supplementary Information

Parties
Issuer
Guarantor Entity
Servicer & Cash Manager
Swap Provider
Covered Bond Trustee & Custodian
Asset Monitor
Account Bank & GIC Provider
Standby Account Bank & GIC Provider

Paying Agent

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



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

Calculation Date: 30 Apr 2019

#### National Bank of Canada Ratings

National Bank of Canada Ratings					
	Sta	andard & Poor's	Moody's	DBRS	Fitch Ratings
Long Term Senior Debt		A	Aa3	AA (low)	A+
Short Term Senior Debt		A-1	P-1	R-1 M	F1
Outlook		Stable	Stable	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 (RE	<u>BC)</u>				
	Mod	ody's (Deposit Rating)	DBRS (Debt Ratings)	Fitch Rating	S (Issuer Default Rating)
Long Term		Aa2	AA		AA
Short Term		P-1	R-1 H		F1+
<b>Description of Ratings Triggers</b> <b>A. Party Replacement</b> If the rating(s) of the Party falls below the level stipulated below, such (i) transfer credit support and (ii) replace itself or obtain a guarantee for its obligations. Pack (Current Parth)			·		
Role (Current Party)	Moody's	DBRS	<u>Fitch</u>		
Account Bank & GIC Provider (NBC)	P-1*	R-1(low)* or A	F1* or A		
Standby Account Bank & GIC Provider (RBC) Cash Manager (NBC)	P-1* P-2(cr)*	R-1(low)* or A BBB (low)	F1* or A F2*		
Servicer (NBC)	Baa3	BBB (low)	F2*		
Interest Rate Swap Provider (NBC)	P-2(cr)* or A3(cr)	R-2(mid)* or BBB			
Covered Bond Swap Provider (NBC) Title Holder on Mortgages (NBC)	P-2(cr)* or A3(cr) Baa1	R-2(mid)* or BBB BBB (low)	B F2* or BBB+ BBB-		
<i>B. Specified Rating Related Action</i> <i>i. The following actions are required if the rating of the</i> <i>Cash Manager (NBC) falls below the stipulated rating:</i>					
	Moody's	<u>DBRS</u>	<u>Fitch</u>		
(a) Amounts received by the Servicer are to be deposited directly	P-1*	BBB(low)	F1* or A		
to the GIC Account and not provided to the Cash Manager (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:	Maadula		Fitab		
	Moody's	DBRS	<u>Fitch</u>		
<ul> <li>(a) Servicer is required to transfer amounts belonging to the Guaranto to the Cash Manager or the GIC Account, as applicable, within 2 business days</li> </ul>	or P-1(cr)*	BBB(low)	F1* or A		
iii. The following actions are required if the rating of the					
Issuer (NBC) falls below the stipulated rating:	Moody's	DBRS	Fitch		
	<u></u>	<u></u>			
<ul> <li>(a) Repayment of the Demand Loan</li> <li>(b) Establishment of the Reserve Fund</li> <li>(c) Fund Pre-Maturity Liquidity Required Amount on Hard Bullet</li> <li>Covered Bonds</li> </ul>	N/A P-1(cr)* P-1*	N/A R-1(low)* or A(low 6 months: A(high) 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		
	woody s	DBRO			
(a) The Interest Rate Swap and the Covered Bond Swap will become effective except as otherwise provided in the Covered Bond Swaps Agreements	Baa1	BBB(high)	BBB+		
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	DBRS	<u>Fitch</u>		
<ul><li>(a) Interest Rate Swap Provider</li><li>(b) Covered Bond Swap Provider</li></ul>	P-1(cr)* or A2(cr)(1) P-1(cr)* or A2(cr)(1)		F1* or A 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				
Guarantor Event of Default				



## Asset Coverage Test

Outstanding Covered Bonds	\$8,292,702,000	
A = Lesser of (i) LTV Adjusted True Balance and	\$16,549,369,823	A(i): \$18,043,458,334
(ii) Asset Percentage Adjusted True Balance		A(ii): \$16,549,369,823
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> : 109.14%
Z = Negative Carry Factor calculation	\$152,454,000	
Total: A + B + C + D + E - Y- Z	\$16,396,915,823	
Asset Coverage Test	PASS	

#### Asset Coverage Test

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

<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		\$8,484,647,104	
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A = LTV Adjusted Loan Present Value		\$17,565,704,122	
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		\$17,565,704,122	
Weighted average market rate used for discounting:		4.20%	
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		\$9,050,274,340	
Demand Loan		\$9,191,613,148	
Total		\$18,241,887,488	
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Covered Bonds Outstanding vs OSFI Limit			
Covered Bonds Currently Outstanding (CAD Equivalent):			
Issued under the Legislative Covered Bond Programme		\$8,292,702,000	
Total		\$8,292,702,000	
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OSFI Maximum (CAD Equivalent):

\$10,161,762,379



# National Bank of Canada Legislative Covered Bond Programme Monthly Investor Report Calculation Date: 30 Apr 2019

## Cover Pool Summary Statistics

Previous Month Ending Balance	\$18,312,392,044
Current Balance	\$18,049,475,355
Number of Mortgage loans in Pool	136,798
Average Mortgage Size	\$131,943
Number of Properties	106,387
Number of Primary Borrowers	102,043
Weighted Average Indexed Authorized LTV	61.59%
Weighted Average Indexed Drawn LTV	54.76%
Weighted Average Original LTV	71.82%
Weighted Average Interest Rate	3.00%
Weighted Average Seasoning	24.40 months
Weighted Average Original Term	54.25 months
Weighted Average Remaining Term	29.85 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	Percentage
Current and less than 30 days past due	136,666	99.90%	\$18,033,850,208	99.91%
30 to 59 days past due	61	0.04%	\$7,117,309	0.04%
60 to 89 days past due	48	0.04%	\$6,327,819	0.04%
90 or more days past due	23	0.02%	\$2,180,019	0.01%
Total	136,798	100.00%	\$18,049,475,355	100.00%

## **Cover Pool Provincial Distribution**

Province	Number of Loans	<u>Percentage</u>	Principal Balance	Percentage
British Columbia	3,094	2.26%	\$951,034,727	5.27%
Prairies	4,282	3.13%	\$830,974,331	4.60%
Ontario	20,945	15.31%	\$4,910,671,186	27.21%
Quebec	106,095	77.56%	\$11,153,965,456	61.80%
Atlantic	2,382	1.74%	\$202,829,655	1.12%
Other	0	0.00%	\$0	0.00%
Total	136,798	100.00%	\$18,049,475,355	100.00%

## Cover Pool Credit Score Distribution

Credit Score	Number of Loans	<u>Percentage</u>	Principal Balance	Percentage
Score Unavailable	1,819	1.33%	\$264,810,829	1.47%
599 and below	1,476	1.08%	\$175,771,000	0.97%
600 - 650	3,409	2.49%	\$482,730,520	2.67%
651 - 700	12,996	9.50%	\$1,941,814,189	10.76%
701 - 750	42,938	31.39%	\$6,049,390,774	33.52%
751 - 800	57,062	41.71%	\$7,140,720,962	39.56%
801 and above	17,098	12.50%	\$1,994,237,080	11.05%
Total	136,798	100.00%	\$18,049,475,355	100.00%

Cover Pool Interest Rate Type Distribution				
Interest Rate Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Fixed	107,827	78.82%	\$13,215,937,020	73.22%
Variable	28,971	21.18%	\$4,833,538,335	26.78%
Total	136,798	100.00%	\$18,049,475,355	100.00%



# National Bank of Canada Legislative Covered Bond Programme Monthly Investor Report Calculation Date: 30 Apr 2019

Cover Pool Occupancy Type Distribution				
Occupancy Type	Number of Loans	Percentage	Principal Balance	Percentage
Owner Occupied	120,975	88.43%	\$15,392,607,455	85.28%
Non-Owner Occupied	15,823	11.57%	\$2,656,867,900	14.72%
Total	136,798	100.00%	\$18,049,475,355	100.00%
Mortgage Asset Type Distribution				
Asset Type	Number of Loans	Percentage	Principal Balance	<u>Percentage</u>
Conventional Mortgage	58,911	43.06%	\$9,183,388,266	50.88%
Conventional Mortgage Amortizing Segment of All-in-One Product	58,911 77,887	43.06% 56.94%	\$9,183,388,266 \$8,866,087,089	50.88% 49.12%
5 5				
Amortizing Segment of All-in-One Product	77,887	56.94%	\$8,866,087,089	49.12%

Interest Rate (%)	Number of Loans	Percentage	Principal Balance	Percentage
Less than 2.000	174	0.13%	\$25,732,792	0.14%
2.000 - 2.999	70,287	51.38%	\$9,067,546,309	50.24%
3.000 - 3.999	64,136	46.88%	\$8,697,898,174	48.19%
4.000 - 4.999	1,478	1.08%	\$179,726,444	1.00%
5.000 - 5.999	168	0.12%	\$21,057,681	0.12%
6.000 - 6.999	33	0.02%	\$3,030,125	0.02%
7.000 - 7.999	522	0.38%	\$54,483,830	0.30%
8.000 or Greater	0	0.00%	\$0	0.00%
Total	136,798	100.00%	\$18,049,475,355	100.00%

Cover Pool Remaining Balance				
Remaining Principal Balance (\$)	Number of Loans	Percentage	Principal Balance	Percentage
99,999 and below	71,044	51.93%	\$3,414,423,300	18.92%
100,000 - 149,999	23,568	17.23%	\$2,916,626,820	16.16%
150,000 - 199,999	16,504	12.06%	\$2,866,364,259	15.88%
200,000 - 249,999	9,009	6.59%	\$2,012,069,954	11.15%
250,000 - 299,999	5,477	4.00%	\$1,495,222,779	8.28%
300,000 - 349,999	3,352	2.45%	\$1,083,931,927	6.01%
350,000 - 399,999	2,218	1.62%	\$828,103,977	4.59%
400,000 - 449,999	1,395	1.02%	\$590,903,057	3.27%
450,000 - 499,999	1,026	0.75%	\$486,324,594	2.69%
500,000 - 549,999	704	0.51%	\$369,112,278	2.05%
550,000 - 599,999	538	0.39%	\$308,830,127	1.71%
600,000 - 649,999	346	0.25%	\$216,026,830	1.20%
650,000 - 699,999	289	0.21%	\$194,224,791	1.08%
700,000 - 749,999	233	0.17%	\$168,957,476	0.94%
750,000 - 799,999	207	0.15%	\$160,596,220	0.89%
800,000 - 849,999	157	0.11%	\$129,495,620	0.72%
850,000 - 899,999	152	0.11%	\$132,898,700	0.74%
900,000 - 949,999	156	0.11%	\$144,864,670	0.80%
950,000 - 999,999	100	0.07%	\$97,125,953	0.54%
1,000,000 and above	323	0.24%	\$433,372,019	2.40%
Total	136,798	100.00%	\$18,049,475,355	100.00%



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

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## Cover Pool Months to Maturity Distribution

Months to Maturity	Number of Loans	Percentage	Principal Balance	<u>Percentage</u>
5 or Less	12,518	9.15%	\$1,503,259,647	8.33%
6 - 11	14,233	10.40%	\$1,655,543,891	9.17%
12 - 23	31,144	22.77%	\$3,635,344,092	20.14%
24 - 35	27,099	19.81%	\$3,721,093,969	20.62%
36 - 47	27,311	19.96%	\$4,017,432,988	22.26%
48 - 59	23,670	17.30%	\$3,411,675,371	18.90%
60 - 71	679	0.50%	\$84,454,169	0.47%
72 - 83	54	0.04%	\$7,431,312	0.04%
84 or Greater	90	0.07%	\$13,239,917	0.07%
Total	136,798	100.00%	\$18,049,475,355	100.00%

## Cover Pool Property Type Distribution

Property Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Single Family	107,555	78.62%	\$13,882,915,795	76.92%
Condominium	15,922	11.64%	\$2,186,489,654	12.11%
2-4 Family Units	13,321	9.74%	\$1,980,069,905	10.97%
Total	136,798	100.00%	\$18,049,475,355	100.00%

## Cover Pool Indexed LTV - Authorized Distribution

Indexed LTV (%)	Number of Loans	Percentage	Principal Balance	<u>Percentage</u>
20.00 and below	3,347	2.45%	\$146,476,542	0.81%
20.01 - 25.00	2,128	1.56%	\$166,446,581	0.92%
25.01 - 30.00	2,911	2.13%	\$255,407,709	1.42%
30.01 - 35.00	4,069	2.97%	\$454,083,095	2.52%
35.01 - 40.00	5,613	4.10%	\$689,778,274	3.82%
40.01 - 45.00	7,002	5.12%	\$963,130,115	5.34%
45.01 - 50.00	8,372	6.12%	\$1,171,900,287	6.49%
50.01 - 55.00	9,823	7.18%	\$1,415,981,451	7.85%
55.01 - 60.00	12,344	9.02%	\$1,730,610,161	9.59%
60.01 - 65.00	15,122	11.05%	\$2,200,750,001	12.19%
65.01 - 70.00	17,291	12.64%	\$2,487,765,164	13.78%
70.01 - 75.00	22,389	16.37%	\$2,980,810,591	16.51%
75.01 - 80.00	22,546	16.48%	\$2,869,281,791	15.90%
Greater than 80.00	3,841	2.81%	\$517,053,593	2.86%
Total	136,798	100.00%	\$18,049,475,355	100.00%

#### Cover Pool Indexed LTV - Drawn Distribution Indexed LTV (%) Number of Loans Percentage Principal Balance Percentage 20.00 and below 11,298 8.26% \$563,833,478 3.12% 20.01 - 25.00 4.05% 5,538 \$470,325,953 2.61% 25.01 - 30.00 6,355 4.65% \$602,959,454 3.34% 30.01 - 35.00 7,615 5.57% \$834,747,970 4.62% 35.01 - 40.00 8,748 6.39% \$1,078,590,326 5.98% 40.01 - 45.00 10,137 7.41% \$1,367,136,153 7.57% 45.01 - 50.00 8.02% 10,968 \$1,485,257,771 8.23% 50.01 - 55.00 12,145 8.88% \$1,713,933,249 9.50% 55.01 - 60.00 13,139 9.60% \$1,908,676,487 10.57% 60.01 - 65.00 14.244 10.41% \$2,177,045,320 12.06% 65.01 - 70.00 14,290 10.45% \$2,199,653,074 12.19% 70.01 - 75.00 13,718 10.03% \$2,173,333,880 12.04% 75.01 - 80.00 \$1,350,717,903 7.48% 8,044 5.88% Greater than 80.00 559 0.41% \$123,264,336 0.68% 136,798 100.00% \$18,049,475,355 100.00% Total



## Provincial Distribution by Indexed LTV - Drawn and Aging Summary

Current and less than 30 days past due							
Indexed LTV (%)	British Columbia	Prairies	Ontario	Quebec	Atlantic	Other	Total
20.00 and below	\$55,370,823	\$10,911,212	\$199,138,099	\$293,019,882	\$5,198,300	\$0	\$563,638,315
20.01 - 25.00	\$53,481,199	\$11,742,768	\$178,297,330	\$223,057,725	\$3,440,848	\$0	\$470,019,871
25.01 - 30.00	\$53,105,010	\$11,630,734	\$235,632,348	\$295,887,853	\$6,616,263	\$0	\$602,872,209
30.01 - 35.00	\$74,637,960	\$16,707,885	\$338,984,810	\$395,465,742	\$8,403,676	\$0	\$834,200,072
35.01 - 40.00	\$87,185,245	\$17,151,445	\$440,372,116	\$520,546,929	\$12,277,631	\$0	\$1,077,533,366
40.01 - 45.00	\$118,988,552	\$37,246,600	\$539,460,713	\$647,303,897	\$22,808,090	\$0	\$1,365,807,852
45.01 - 50.00	\$102,375,917	\$48,297,071	\$512,934,914	\$789,895,461	\$30,985,348	\$0	\$1,484,488,710
50.01 - 55.00	\$104,445,325	\$58,776,021	\$485,673,724	\$1,029,827,531	\$33,364,744	\$0	\$1,712,087,346
55.01 - 60.00	\$98,334,342	\$65,326,048	\$475,136,034	\$1,252,436,794	\$14,690,650	\$0	\$1,905,923,867
60.01 - 65.00	\$98,476,009	\$84,111,613	\$515,148,652	\$1,460,915,589	\$15,943,714	\$0	\$2,174,595,576
65.01 - 70.00	\$49,495,713	\$104,916,914	\$399,722,005	\$1,626,192,634	\$16,428,131	\$0	\$2,196,755,396
70.01 - 75.00	\$27,966,942	\$139,183,522	\$300,428,346	\$1,694,891,899	\$10,192,620	\$0	\$2,172,663,329
75.01 - 80.00	\$18,914,084	\$158,061,288	\$255,594,710	\$896,782,308	\$20,873,128	\$0	\$1,350,225,518
Greater than 80.00	\$7,107,806	\$65,122,177	\$31,262,887	\$18,772,396	\$773,516	\$0	\$123,038,782
Total	\$949,884,925	\$829,185,298	\$4,907,786,687	\$11,144,996,639	\$201,996,659	\$0	\$18,033,850,208

#### 30 to 59 days past due

Indexed LTV (%)	British Columbia	Prairies	Ontario	Quebec	Atlantic	Other	Total
20.00 and below	\$0	\$0	\$0	\$192,436	\$0	\$0	\$192,436
20.01 - 25.00	\$0	\$0	\$0	\$78,637	\$0	\$0	\$78,637
25.01 - 30.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30.01 - 35.00	\$281,955	\$0	\$0	\$0	\$0	\$0	\$281,955
35.01 - 40.00	\$0	\$0	\$0	\$113,348	\$0	\$0	\$113,348
40.01 - 45.00	\$0	\$0	\$374,028	\$168,650	\$0	\$0	\$542,678
45.01 - 50.00	\$0	\$0	\$232,520	\$434,382	\$0	\$0	\$666,901
50.01 - 55.00	\$0	\$0	\$730,220	\$609,138	\$0	\$0	\$1,339,358
55.01 - 60.00	\$0	\$0	\$83,536	\$1,095,980	\$0	\$0	\$1,179,517
60.01 - 65.00	\$0	\$150,581	\$438,455	\$1,021,848	\$0	\$0	\$1,610,884
65.01 - 70.00	\$0	\$0	\$0	\$887,352	\$0	\$0	\$887,352
70.01 - 75.00	\$0	\$0	\$0	\$85,268	\$0	\$0	\$85,268
75.01 - 80.00	\$0	\$0	\$0	\$138,975	\$0	\$0	\$138,975
Greater than 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$281,955	\$150,581	\$1,858,758	\$4,826,014	\$0	\$0	\$7,117,309



#### National Bank of Canada Legislative Covered Bond Programme Monthly Investor Report Calculation Date: 30 Apr 2019

#### 60 to 89 days past due

Indexed LTV (%)	British Columbia	Prairies	Ontario	Quebec	Atlantic	Other	Total
20.00 and below	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20.01 - 25.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25.01 - 30.00	\$0	\$87,245	\$0	\$0	\$0	\$0	\$87,245
30.01 - 35.00	\$0	\$0	\$0	\$210,196	\$0	\$0	\$210,196
35.01 - 40.00	\$0	\$0	\$408,903	\$0	\$0	\$0	\$408,903
40.01 - 45.00	\$0	\$0	\$181,738	\$0	\$603,885	\$0	\$785,623
45.01 - 50.00	\$0	\$0	\$0	\$102,159	\$0	\$0	\$102,159
50.01 - 55.00	\$0	\$147,564	\$0	\$127,574	\$152,128	\$0	\$427,266
55.01 - 60.00	\$562,549	\$0	\$207,653	\$533,124	\$76,983	\$0	\$1,380,309
60.01 - 65.00	\$305,297	\$160,009	\$0	\$96,365	\$0	\$0	\$561,670
65.01 - 70.00	\$0	\$347,962	\$0	\$1,065,466	\$0	\$0	\$1,413,428
70.01 - 75.00	\$0	\$0	\$0	\$372,055	\$0	\$0	\$372,055
75.01 - 80.00	\$0	\$135,407	\$0	\$218,003	\$0	\$0	\$353,410
Greater than 80.00	\$0	\$225,554	\$0	\$0	\$0	\$0	\$225,554
Total	\$867,846	\$1,103,742	\$798,294	\$2,724,940	\$832,996	\$0	\$6,327,819

#### 90 or more days past due

Indexed LTV (%)	British Columbia	Prairies	<u>Ontario</u>	Quebec	Atlantic	Other	Total
20.00 and below	\$0	\$0	\$0	\$2,727	\$0	\$0	\$2,727
20.01 - 25.00	\$0	\$0	\$227,446	\$0	\$0	\$0	\$227,446
25.01 - 30.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30.01 - 35.00	\$0	\$0	\$0	\$55,747	\$0	\$0	\$55,747
35.01 - 40.00	\$0	\$534,710	\$0	\$0	\$0	\$0	\$534,710
40.01 - 45.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45.01 - 50.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50.01 - 55.00	\$0	\$0	\$0	\$79,280	\$0	\$0	\$79,280
55.01 - 60.00	\$0	\$0	\$0	\$192,795	\$0	\$0	\$192,795
60.01 - 65.00	\$0	\$0	\$0	\$277,189	\$0	\$0	\$277,189
65.01 - 70.00	\$0	\$0	\$0	\$596,897	\$0	\$0	\$596,897
70.01 - 75.00	\$0	\$0	\$0	\$213,229	\$0	\$0	\$213,229
75.01 - 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Greater than 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$534,710	\$227,446	\$1,417,863	\$0	\$0	\$2,180,019

### Cover Pool Indexed LTV - 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	Total
20.00 and below	\$2,255,676	\$4,080,940	\$19,923,260	\$65,740,036	\$321,702,769	\$138,403,144	\$11,727,654	\$563,833,478
20.01 - 25.00	\$1,797,802	\$5,658,911	\$22,218,132	\$86,551,206	\$267,547,099	\$77,765,004	\$8,787,799	\$470,325,953
25.01 - 30.00	\$3,980,001	\$8,351,388	\$36,162,083	\$118,454,283	\$339,076,478	\$83,047,057	\$13,888,164	\$602,959,454
30.01 - 35.00	\$6,193,624	\$16,257,819	\$54,976,404	\$191,489,824	\$439,141,456	\$107,206,964	\$19,481,879	\$834,747,970
35.01 - 40.00	\$9,281,444	\$16,689,452	\$81,541,313	\$291,030,252	\$523,522,245	\$131,828,093	\$24,697,526	\$1,078,590,326
40.01 - 45.00	\$11,169,096	\$30,068,084	\$119,321,362	\$393,874,186	\$620,635,645	\$167,335,818	\$24,731,963	\$1,367,136,153
45.01 - 50.00	\$14,700,948	\$35,111,939	\$140,347,198	\$438,887,137	\$661,365,225	\$168,284,826	\$26,560,498	\$1,485,257,771
50.01 - 55.00	\$17,043,835	\$42,863,405	\$173,077,656	\$556,760,200	\$701,860,400	\$189,870,574	\$32,457,180	\$1,713,933,249
55.01 - 60.00	\$21,647,311	\$59,415,212	\$202,410,427	\$656,626,762	\$749,018,654	\$197,880,298	\$21,677,824	\$1,908,676,487
60.01 - 65.00	\$24,014,463	\$71,759,433	\$249,622,710	\$838,573,017	\$741,034,614	\$226,928,443	\$25,112,641	\$2,177,045,320
65.01 - 70.00	\$20,605,806	\$70,414,945	\$263,551,768	\$929,978,279	\$683,387,019	\$206,575,679	\$25,139,577	\$2,199,653,074
70.01 - 75.00	\$24,105,198	\$63,406,726	\$315,077,203	\$902,272,285	\$666,332,990	\$183,580,265	\$18,559,214	\$2,173,333,880
75.01 - 80.00	\$17,122,049	\$50,486,169	\$246,605,831	\$533,837,133	\$388,398,446	\$104,707,668	\$9,560,608	\$1,350,717,903
Greater than 80.00	\$1,853,747	\$8,166,098	\$16,978,842	\$45,316,175	\$37,697,923	\$10,823,248	\$2,428,303	\$123,264,336
Total	\$175,771,000	\$482,730,520	\$1,941,814,189	\$6,049,390,774	\$7,140,720,962	\$1,994,237,080	\$264,810,829	\$18,049,475,355



#### 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 Halfax 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-indices. 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 prices or the programme, the administration, marketing or trading of the Programme.

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