

National Bank of Canada Legislative Covered Bond Programme Monthly Investor Report

Calculation Date: 31 Dec 2018

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
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	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
			\$7,152,282,000					

Weighted Average Maturity of Outstanding Covered Bonds (months) 46.08
Weighted Average Remaining Term of Loans in Cover Pool (months) 26.84

Series Ratings	Moody's	<u>DBRS</u>	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

Supplementary Information

<u>Parties</u>

Issuer National Bank of Canada (NBC)

Guarantor Entity 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	Moody's	DBRS	Fitch Ratings
Long Term Senior Debt	Α	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

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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	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)	Bàa1	BBB (low)	BBB-

B. Specified Rating Related Action

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

	Moody's	DBRS	<u>Fitcn</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

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Moody's

DBBS

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

Servicer (NBC) falls below the stipulated rating:

	<u>ivioody s</u>	DBKS	<u>i itori</u>
(a) Servicer is required to transfer amounts belonging to the Guarat to the Cash Manager or the GIC Account, as applicable, within	ntor P-1(cr)*	BBB(low)	F1* or A

2 business days

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

N/A	F2* or BBB+
R-1(mid)* or A(low)	F1* or A
6 months: A(high)	F1+*
	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	<u>DBRS</u>	Fitch
(a) The Interest Rate Swap and the C effective except as otherwise provided		Baa1	BBB(high)	BBB+

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(b) Covered Bond Swap Provider	P-1(cr)* or A2(cr)(1) P-1(cr)* or A2(cr)(1)		F1* or A F1* or A

(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



OSFI Maximum (CAD Equivalent):

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Asset Coverage Test

Outstanding Covered Bonds	\$7,152,282,000	
A = Lesser of (i) LTV Adjusted True Balance and	\$11,442,550,041	A(i): \$12,475,788,606
(ii) Asset Percentage Adjusted True Balance		A(ii): \$11,442,550,041
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 ¹ : 109.16%
Z = Negative Carry Factor calculation	\$137,325,384	
Total: A + B + C + D + E - Y- Z	\$11,305,224,657	
Asset Coverage Test	<u>PASS</u>	

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

¹ Per Section 4.3.8 of the CMHC Guide, (A) the lesser of (i) the total amount of cover pool collateral arequired to collateral required to collateral ize the covered bonds outstanding and ensure the Asset Coverage Test is met, divided by (I) the Coverage of the previous of the property of the previous of the previous

* Per Section 4.3.8 of the CMHC Guide, (A) the lesser of (i) the total amount of coby (B) the Canadian dollar equivalent of the principal amount of covered bonds or	ver pool collateral and (utstanding under the reg	 ii) the amount of cover pool collateral requi jistered covered bond program. 	red to collateralize the covered bonds outstanding and ensure the Asset Coverage	Test is met, divid
Valuation Calculation				
Trading Value of Covered Bonds		\$7,551,301,091		
A = LTV Adjusted Loan Present Value		\$12,170,544,729		
B = Principal Receipts		\$0		
C = Cash Capital Contributions		\$0		
D = Trading Value of Substitute Assets		\$0		
E = Reserve Fund Balance		\$0		
= Trading Value of Swap Collateral		\$0		
Present Value Adjusted Aggregate Asset Amount				
Total: A + B + C + D + E + F		\$12,170,544,729		
Neighted average market rate used for discounting:		4.17%		
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			
ntercompany Loan Balance				
Guarantee Loan		\$7,807,516,882		
Demand Loan		\$4,867,298,366		
Total		\$12,674,815,248		
Covered Bonds Outstanding vs OSFI Limit				
Covered Bonds Currently Outstanding (CAD Equivalent):				
Issued under the Legislative Covered Bond Programm	e	\$7,152,282,000		
Total	-	\$7,152,282,000		
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\$10,557,255,400



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Cover Pool Summary Statistics	
Previous Month Ending Balance	\$12,676,543,972
Current Balance	\$12,480,086,957
Number of Mortgage loans in Pool	101,929
Average Mortgage Size	\$122,439
Number of Properties	80,815
Number of Primary Borrowers	77,957
Weighted Average Indexed Authorized LTV	59.93%
Weighted Average Indexed Drawn LTV	52.76%
Weighted Average Original LTV	72.24%
Weighted Average Interest Rate	2.97%
Weighted Average Seasoning	27.30 months
Weighted Average Original Term	54.13 months
Weighted Average Remaining Term	26.84 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	101,804	99.88%	\$12,466,494,028	99.89%
30 to 59 days past due	71	0.07%	\$8,666,892	0.07%
60 to 89 days past due	29	0.03%	\$3,083,400	0.02%
90 or more days past due	25	0.02%	\$1,842,637	0.01%
Total	101,929	100.00%	\$12,480,086,957	100.00%

Cover Pool Provincial Distribution				
<u>Province</u>	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
British Columbia	2,392	2.35%	\$666,489,364	5.34%
Prairies	3,937	3.86%	\$751,795,206	6.02%
Ontario	15,491	15.20%	\$3,284,336,987	26.32%
Quebec	78,156	76.68%	\$7,619,570,636	61.05%
Atlantic	1,953	1.92%	\$157,894,763	1.27%
Other	0	0.00%	\$0	0.00%
Total	101,929	100.00%	\$12,480,086,957	100.00%

Cover Pool Credit Score Distribution				
<u>Credit Score</u>	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Score Unavailable	1,682	1.65%	\$248,688,696	1.99%
599 and below	1,196	1.17%	\$130,125,741	1.04%
600 - 650	2,587	2.54%	\$336,949,933	2.70%
651 - 700	9,567	9.39%	\$1,286,877,881	10.31%
701 - 750	31,490	30.89%	\$4,119,581,980	33.01%
751 - 800	43,070	42.25%	\$5,019,724,047	40.22%
801 and above	12,337	12.10%	\$1,338,138,679	10.72%
Total	101,929	100.00%	\$12,480,086,957	100.00%

Cover Pool Interest Rate Type Distribution				
Interest Rate Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Fixed	79,945	78.43%	\$9,148,109,861	73.30%
Variable	21,984	21.57%	\$3,331,977,096	26.70%
Total	101,929	100.00%	\$12,480,086,957	100.00%



950,000 - 999,999

Total

1,000,000 and above

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BANK	Calculation Date:	31 Dec 2018		
Cover Pool Occupancy Type Distribution				
Occupancy Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Owner Occupied	88,723	87.04%	\$10,337,424,195	82.83%
Non-Owner Occupied	13,206	12.96%	\$2,142,662,762	17.17%
Total	101,929	100.00%	\$12,480,086,957	100.00%
Mortgage Asset Type Distribution				
Asset Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Conventional Mortgage	43,798	42.97%	\$6,338,957,973	50.79%
Amortizing Segment of All-in-One Product	58,131	57.03%	\$6,141,128,984	49.21%
Total	101,929	100.00%	\$12,480,086,957	100.00%
Cover Pool Interest Rate Distribution				
Interest Rate (%)	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Less than 2.000	207	0.20%	\$31,945,160	0.26%
2.000 - 2.999	57,691	56.60%	\$6,906,028,810	55.34%
3.000 - 3.999	42,327	41.53%	\$5,358,210,033	42.93%
4.000 - 4.999	1,095	1.07%	\$126,732,188	1.02%
5.000 - 5.999	106	0.10%	\$12,727,459	0.10%
6.000 - 6.999	31	0.03%	\$2,911,433	0.02%
7.000 - 7.999	472	0.46%	\$41,531,874	0.33%
8.000 or Greater	0	0.00%	\$0	0.00%
Total	101,929	100.00%	\$12,480,086,957	100.00%
Cover Pool Remaining Balance				
Remaining Principal Balance (\$)	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
99,999 and below	55,627	54.57%	\$2,670,419,843	21.40%
100,000 - 149,999	17,733	17.40%	\$2,187,532,837	17.53%
150,000 - 199,999	11,698	11.48%	\$2,025,785,963	16.23%
200,000 - 249,999	6,387	6.27%	\$1,424,526,300	11.41%
250,000 - 299,999	3,684	3.61%	\$1,004,431,951	8.05%
300,000 - 349,999	2,197	2.16%	\$709,145,577	5.68%
350,000 - 399,999	1,409	1.38%	\$524,672,886	4.20%
400,000 - 449,999	828	0.81%	\$350,465,581	2.81%
450,000 - 499,999	584	0.57%	\$275,852,408	2.21%
500,000 - 549,999	384	0.38%	\$201,369,267	1.61%
550,000 - 599,999	268	0.26%	\$153,729,124	1.23%
600,000 - 649,999	192	0.19%	\$119,761,827	0.96%
650,000 - 699,999	162	0.16%	\$109,015,852	0.87%
700,000 - 749,999	135	0.13%	\$97,743,064	0.78%
750,000 - 799,999	128	0.13%	\$99,195,172	0.79%
800,000 - 849,999	98	0.10%	\$80,898,550	0.65%
850,000 - 899,999	96	0.09%	\$83,788,728	0.67%
900,000 - 949,999	101	0.10%	\$93,806,550	0.75%

60

158

101,929

0.06%

0.16%

100.00%

\$57,840,361

\$210,105,115

\$12,480,086,957

0.46%

1.68%

100.00%



Greater than 80.00

Total

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BANK	Calculation Date:	31 Dec 2018		
Cover Pool Months to Maturity Distributi	ion			
Months to Maturity	Number of Loans	<u>Percentage</u>	Principal Balance	Percentage
5 or Less	9,137	8.96%	\$1,006,665,519	8.07%
6 - 11	13,751	13.49%	\$1,687,588,010	13.529
12 - 23	27,365	26.85%	\$3,083,805,771	24.71%
24 - 35	22,080	21.66%	\$2,822,941,367	22.62%
36 - 47	17,053	16.73%	\$2,400,157,784	19.23%
48 - 59	11,611	11.39%	\$1,367,796,545	10.96%
60 - 71	840	0.82%	\$99,079,944	0.79%
72 - 83	31	0.03%	\$4,477,255	0.049
84 or Greater	61	0.06%	\$7,574,762	0.06%
Total	101,929	100.00%	\$12,480,086,957	100.00%
Cover Pool Property Type Distribution				
Property Type	Number of Loans	<u>Percentage</u>	Principal Balance	Percentage
Single Family	79,892	78.38%	\$9,535,347,881	76.40%
Condominium	11,724	11.50%	\$1,492,509,898	11.96%
2-4 Family Units	10,313	10.12%	\$1,452,229,178	11.64%
Total	101,929	100.00%	\$12,480,086,957	100.00%
Cover Pool Indexed LTV - Authorized Dist	tribution			
Indexed LTV (%)	Number of Loans	<u>Percentage</u>	Principal Balance	Percentage
20.00 and below	2,849	2.80%	\$125,779,033	1.01%
20.01 - 25.00	1,690	1.66%	\$133,658,407	1.07%
25.01 - 30.00	2,458	2.41%	\$222,652,003	1.78%
30.01 - 35.00	3,251	3.19%	\$372,958,322	2.99%
35.01 - 40.00	4,587	4.50%	\$577,919,452	4.63%
40.01 - 45.00	5,841	5.73%	\$797,639,456	6.39%
45.01 - 50.00	6,668	6.54%	\$930,172,300	7.45%
50.01 - 55.00	7,634	7.49%	\$1,038,760,998	8.32%
55.01 - 60.00	9,408	9.23%	\$1,257,625,426	10.08%
60.01 - 65.00	11,139	10.93%	\$1,463,015,877	11.72%
65.01 - 70.00	12,434	12.20%	\$1,646,737,594	13.19%
70.01 - 75.00	16,668	16.35%	\$2,003,400,164	16.05%
75.01 - 80.00	14,128	13.86%	\$1,549,962,515	12.42%
Greater than 80.00	3,174	3.11%	\$359,805,410	2.88%
Total	101,929	100.00%	\$12,480,086,957	100.00%
Cover Pool Indexed LTV - Drawn Distribu	tion			
Indexed LTV (%)	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
20.00 and below	9,424	9.25%	\$469,949,352	3.77%
20.01 - 25.00	4,378	4.30%	\$369,488,152	2.96%
25.01 - 30.00	5,003	4.91%	\$476,389,840	3.82%
30.01 - 35.00	5,940	5.83%	\$647,141,808	5.19%
35.01 - 40.00	6,936	6.80%	\$829,686,603	6.65%
40.01 - 45.00	8,093	7.94%	\$1,059,693,338	8.49%
45.01 - 50.00	8,465	8.30%	\$1,131,578,799	9.07%
50.01 - 55.00	9,220	9.05%	\$1,236,549,164	9.91%
55.01 - 60.00	9,995	9.81%	\$1,364,189,645	10.93%
60.01 - 65.00	10,760	10.56%	\$1,497,345,827	12.00%
65.01 - 70.00	10,442	10.24%	\$1,513,349,442	12.13%
70.01 - 75.00	8,954	8.78%	\$1,270,960,574	10.18%
75.01 - 80.00	3,734	3.66%	\$513,672,222	4.12%
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585

101,929

0.57%

100.00%

0.80%

100.00%

\$100,092,191

\$12,480,086,957



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Provincial Distribution by Indexed LTV - Drawn and Aging Summary

Current	and	lace	than	30	avch	nact	Aub	
Current	anu	1622	uiaii	Jυ	uays	pasi	uue	

Indexed LTV (%)	British Columbia	<u>Prairies</u>	Ontario	Quebec	Atlantic	Other	<u>Total</u>
20.00 and below	\$57,363,903	\$10,145,578	\$172,339,880	\$225,373,849	\$4,723,414	\$0	\$469,946,625
20.01 - 25.00	\$49,500,145	\$11,243,003	\$144,082,452	\$160,868,895	\$3,793,657	\$0	\$369,488,152
25.01 - 30.00	\$41,006,191	\$13,910,968	\$195,132,858	\$220,426,232	\$5,379,343	\$0	\$475,855,592
30.01 - 35.00	\$74,847,577	\$15,542,780	\$256,713,937	\$292,648,237	\$6,944,369	\$0	\$646,696,899
35.01 - 40.00	\$70,332,485	\$16,897,929	\$346,777,615	\$381,871,082	\$12,303,367	\$0	\$828,182,478
40.01 - 45.00	\$92,401,617	\$35,625,689	\$435,135,958	\$472,794,780	\$22,593,128	\$0	\$1,058,551,172
45.01 - 50.00	\$70,578,836	\$48,044,123	\$407,251,363	\$572,921,586	\$31,771,563	\$0	\$1,130,567,471
50.01 - 55.00	\$71,752,376	\$57,640,638	\$345,206,949	\$728,556,834	\$31,940,093	\$0	\$1,235,096,890
55.01 - 60.00	\$67,985,593	\$64,189,429	\$318,321,382	\$900,244,593	\$11,709,676	\$0	\$1,362,450,673
60.01 - 65.00	\$47,762,393	\$83,117,428	\$264,061,178	\$1,089,639,159	\$10,974,400	\$0	\$1,495,554,558
65.01 - 70.00	\$14,226,846	\$117,365,682	\$217,877,012	\$1,151,832,486	\$10,474,552	\$0	\$1,511,776,577
70.01 - 75.00	\$4,863,766	\$143,902,254	\$98,835,106	\$1,018,038,037	\$3,837,041	\$0	\$1,269,476,204
75.01 - 80.00	\$3,172,223	\$91,989,779	\$50,300,543	\$366,727,459	\$568,541	\$0	\$512,758,545
Greater than 80.00	\$213,804	\$40,443,874	\$29,770,616	\$29,663,897	\$0	\$0	\$100,092,191
Total	\$666,007,756	\$750,059,153	\$3,281,806,848	\$7,611,607,124	\$157,013,146	\$0	\$12,466,494,028

30 to 59 days past due

Indexed LTV (%)	British Columbia	<u>Prairies</u>	<u>Ontario</u>	Quebec	Atlantic	<u>Other</u>	<u>Total</u>
20.00 and below	\$0	\$0	\$0	\$2,727	\$0	\$0	\$2,727
20.01 - 25.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25.01 - 30.00	\$0	\$0	\$107,393	\$157,429	\$0	\$0	\$264,822
30.01 - 35.00	\$0	\$0	\$0	\$50,359	\$0	\$0	\$50,359
35.01 - 40.00	\$0	\$619,985	\$259,596	\$138,937	\$0	\$0	\$1,018,517
40.01 - 45.00	\$0	\$0	\$696,757	\$166,689	\$0	\$0	\$863,445
45.01 - 50.00	\$0	\$297,717	\$298,352	\$17,128	\$123,036	\$0	\$736,232
50.01 - 55.00	\$234,633	\$0	\$440,820	\$0	\$199,121	\$0	\$874,574
55.01 - 60.00	\$0	\$152,835	\$243,848	\$494,436	\$0	\$0	\$891,118
60.01 - 65.00	\$0	\$0	\$164,549	\$1,169,611	\$0	\$0	\$1,334,159
65.01 - 70.00	\$0	\$0	\$0	\$1,256,699	\$111,139	\$0	\$1,367,838
70.01 - 75.00	\$0	\$0	\$0	\$758,526	\$0	\$0	\$758,526
75.01 - 80.00	\$0	\$0	\$0	\$504,576	\$0	\$0	\$504,576
Greater than 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$234,633	\$1,070,537	\$2,211,313	\$4,717,114	\$433,295	\$0	\$8,666,892



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60 to 89 days past due

Indexed LTV (%)	British Columbia	<u>Prairies</u>	Ontario	Quebec	Atlantic	Other	<u>Total</u>
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	\$0	\$190,562	\$0	\$0	\$0	\$190,562
30.01 - 35.00	\$246,974	\$0	\$0	\$0	\$0	\$0	\$246,974
35.01 - 40.00	\$0	\$0	\$0	\$192,321	\$257,886	\$0	\$450,207
40.01 - 45.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45.01 - 50.00	\$0	\$0	\$0	\$88,008	\$70,686	\$0	\$158,694
50.01 - 55.00	\$0	\$0	\$128,264	\$230,169	\$0	\$0	\$358,433
55.01 - 60.00	\$0	\$0	\$0	\$435,498	\$0	\$0	\$435,498
60.01 - 65.00	\$0	\$0	\$0	\$435,624	\$0	\$0	\$435,624
65.01 - 70.00	\$0	\$0	\$0	\$99,088	\$0	\$0	\$99,088
70.01 - 75.00	\$0	\$665,516	\$0	\$0	\$0	\$0	\$665,516
75.01 - 80.00	\$0	\$0	\$0	\$42,803	\$0	\$0	\$42,803
Greater than 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$246,974	\$665,516	\$318,826	\$1,523,511	\$328,572	\$0	\$3,083,400

90 or more days past due

Indexed LTV (%)	British Columbia	<u>Prairies</u>	<u>Ontario</u>	Quebec	Atlantic	Other	<u>Total</u>
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	\$0	\$0	\$78,864	\$0	\$0	\$78,864
30.01 - 35.00	\$0	\$0	\$0	\$147,576	\$0	\$0	\$147,576
35.01 - 40.00	\$0	\$0	\$0	\$35,401	\$0	\$0	\$35,401
40.01 - 45.00	\$0	\$0	\$0	\$158,971	\$119,750	\$0	\$278,721
45.01 - 50.00	\$0	\$0	\$0	\$116,402	\$0	\$0	\$116,402
50.01 - 55.00	\$0	\$0	\$0	\$219,268	\$0	\$0	\$219,268
55.01 - 60.00	\$0	\$0	\$0	\$412,356	\$0	\$0	\$412,356
60.01 - 65.00	\$0	\$0	\$0	\$21,485	\$0	\$0	\$21,485
65.01 - 70.00	\$0	\$0	\$0	\$105,939	\$0	\$0	\$105,939
70.01 - 75.00	\$0	\$0	\$0	\$60,328	\$0	\$0	\$60,328
75.01 - 80.00	\$0	\$0	\$0	\$366,297	\$0	\$0	\$366,297
Greater than 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$1,722,888	\$119.750	\$0	\$1.842.637

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	<u>Total</u>
20.00 and below	\$1,329,400	\$3,482,440	\$17,967,636	\$57,888,024	\$272,861,112	\$105,975,385	\$10,445,354	\$469,949,352
20.01 - 25.00	\$1,193,639	\$6,609,779	\$15,909,339	\$67,938,220	\$212,846,226	\$55,402,541	\$9,588,409	\$369,488,152
25.01 - 30.00	\$2,948,892	\$8,247,248	\$32,610,767	\$101,181,382	\$252,897,546	\$63,065,091	\$15,438,915	\$476,389,840
30.01 - 35.00	\$4,133,126	\$9,919,631	\$49,909,464	\$155,445,616	\$327,468,536	\$81,294,084	\$18,971,350	\$647,141,808
35.01 - 40.00	\$6,618,558	\$18,310,850	\$58,643,269	\$218,703,605	\$390,746,805	\$113,352,661	\$23,310,856	\$829,686,603
40.01 - 45.00	\$10,388,278	\$25,621,604	\$91,495,565	\$300,012,368	\$489,522,226	\$121,289,196	\$21,364,101	\$1,059,693,338
45.01 - 50.00	\$11,855,582	\$30,345,654	\$101,038,864	\$340,809,737	\$503,382,768	\$119,106,303	\$25,039,890	\$1,131,578,799
50.01 - 55.00	\$13,299,514	\$35,439,083	\$117,874,893	\$403,824,900	\$505,528,344	\$132,214,334	\$28,368,096	\$1,236,549,164
55.01 - 60.00	\$15,824,178	\$40,837,254	\$145,867,978	\$465,865,932	\$537,370,385	\$134,508,995	\$23,914,923	\$1,364,189,645
60.01 - 65.00	\$21,184,714	\$47,968,640	\$159,768,202	\$563,321,562	\$532,286,424	\$148,008,972	\$24,807,312	\$1,497,345,827
65.01 - 70.00	\$17,586,314	\$45,301,401	\$193,505,208	\$635,863,547	\$479,618,671	\$122,180,494	\$19,293,808	\$1,513,349,442
70.01 - 75.00	\$16,155,269	\$38,917,260	\$183,703,463	\$542,748,278	\$369,452,825	\$99,492,577	\$20,490,902	\$1,270,960,574
75.01 - 80.00	\$5,687,012	\$19,948,483	\$101,179,934	\$224,851,782	\$122,739,633	\$32,763,881	\$6,501,498	\$513,672,222
Greater than 80.00	\$1,921,266	\$6,000,605	\$17,403,299	\$41,127,026	\$23,002,547	\$9,484,165	\$1,153,283	\$100,092,191
Total	\$130,125,741	\$336,949,933	\$1,286,877,881	\$4,119,581,980	\$5,019,724,047	\$1,338,138,679	\$248,688,696	\$12,480,086,957



National Bank of Canada Legislative Covered Bond Programme Monthly Investor Report

Calculation Date: 31 Dec 2018

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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