

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

Calculation Date: 31 Jan 2017

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
CBL1	€1,000,000,000	1.4618	\$1,461,800,000	17 Dec 2018	17 Dec 2019	1.250%	Fixed	Soft
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
CBL4	USD\$750,000,000	1.2592	\$944,400,000	20 Apr 2018	20 Apr 2019	1.400%	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
CBL6	€750,000,000	1.4618	\$1,096,350,000	29 Sep 2023	29 Sep 2024	0.000%	Fixed	Soft
			\$6,711,550,000					

Weighted Average Maturity of Outstanding Covered Bonds (months) 46.17
Weighted Average Remaining Term of Loans in Cover Pool (months) 29.52

Series Ratings	Moody's	<u>DBRS</u>	Fitch Ratings
CBL1	Aaa	AAA	AAA
CBL2	Aaa	AAA	AAA
CBL3	Aaa	AAA	AAA
CBL4	Aaa	AAA	AAA
CBL5	Aaa	AAA	AAA
CBL5 (Tranche 2)	Aaa	AAA	AAA
CBL6	Aaa	AAA	AAA

### Supplementary Information

### **Parties**

Issuer National Bank of Canada (NBC)

Guarantor Family NBC Covered Bond (Legislative) Guarantor Limited Partnership

Servicer & Cash Manager National Bank of Canada Swap Providers 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.



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

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

<u>~</u>				
	Standard & Poor's	Moody's	<u>DBRS</u>	Fitch Ratings
Senior Debt	Α	Aa3	AA (low)	A+
Short Term	A-1	P-1	R-1 M	F1
Outlook	Stable	Negative	Negative	Stable
Applicable Ratings of Standby Account Bank & GIC Provider (RBC)				
	Moody's	<u>DBRS</u>	Fitch Ratings	
Senior Debt	Aa3	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 Sv	wap Provider		

(i) transfer credit support and

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

Role (Current Party)	<u>Moody's</u>	<u>DBRS</u>	<u>Fitch</u>
Account Bank & GIC Provider (NBC)	P-1*	R-1(mid) & A(low)	F1* or A
Standby Account Bank & GIC Provider (RBC)	P-1*	R-1(mid) & A(low)	F1* or A
Cash Manager (NBC)	P-2*	BBB (low))	F2*
Servicer (NBC)	Baa3	BBB (low)	F2*
Interest Rate Swap Provider (NBC)	P-2* or A3	R-2(high)* & BBB(high)	F3* or BBB-
Covered Bond Swap Provider (NBC)	P-2* or A3	R-2(high)* & BBB(high)	F3* or BBB-
Title Holder on Mortgages (NBC)	Baa3	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>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 Guaranto to the Cash Manager or the GIC Account, as applicable, within 2 business days	or P-1*	BBB(low)	F1* or A

Moody's

**DBRS** 

Fitch

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

Issuer (NBC) falls below the stipulated rating:

	<del></del>		<u></u>
(a) Repayment of the Demand Loan	N/A	N/A	F2* or BBB+
(b) Establishment of the Reserve Fund	P-1*	R-1(mid)* & 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:

issuel (NDO) falls below the subulated fating.	Moody's	<u>DBRS</u>	<u>Fitch</u>
(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 ffective 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* or A2	R-1(mid)* & A(high)	F1* or A
(b) Covered Bond Swap Provider	P-1* or A2 (1)	R-1(mid)* & A(high)	F1* or A

### \*Short Term rating

(1) If credit support provider or Guarantor does not have a short-term rating assigned by Moody's, the long term unsecured rating trigger is A1.

### **Events of Default**

Issuer Event of Default No **Guarantor Event of Default** No



Total

OSFI Maximum (CAD Equivalent):

# National Bank of Canada Legislative Covered Bond Programme Monthly Investor Report Calculation Date: 31 Jan 2017

Asset Coverage Test		
Outstanding Covered Bonds	\$6,711,550,000	
A = Lesser of (i) LTV Adjusted True Balance and	\$12,103,697,428	A(i): \$13,199,233,837
(ii) Asset Percentage Adjusted True Balance		A(ii): \$12,103,697,428
B = Principal Receipts	\$0	Asset Percentage: 91.70%
C = Cash Capital Contributions	\$0	Maximum Asset Percentage: 93.00%
= Substitute Assets	\$0	
= Reserve Fund Balance	\$0	
= Contingent Collateral Amount		
= Negative Carry Factor calculation	\$129,100,451	
Total: A + B + C + D + E - Y- Z	\$11,974,596,978	
Asset Coverage Test	PASS	
lote: Due to rounding, numbers presented may not add up precisely to the totals p	rovided.	
/aluation Calculation		
rading Value of Covered Bonds	\$6,664,135,852	
a = LTV Adjusted Loan Present Value	\$13,009,049,782	
= Principal Receipts	\$0	
C = Cash Capital Contributions	\$0	
= Trading Value of Substitute Assets	\$0	
= Reserve Fund Balance	\$0	
= Trading Value of Swap Collateral	\$0	
Present Value Adjusted Aggregate Asset Amount		
Total: A + B + C + D + E + F	\$13,009,049,782	
Veighted average market rate used for discounting:	3.32%	
Amortization Test		
Event of Default on the part of the registered issuer?	No	
Oo any Covered Bonds remain outstanding?	Yes	
mortization Test Required?	No	
mortization Test	N/A	
	N/A	
ntercompany Loan Balance		
Guarantee Loan	\$7,325,578,797	
Demand Loan	\$6,110,276,422	
Total	\$13,435,855,219	
Covered Bonds Outstanding vs OSFI Limit		
Covered Bonds Currently Outstanding (CAD Equivalent):		
Issued under the Legislative Covered Bond Programme	\$6,711,550,000	
-		

Note: Covered Bonds issued under the Structured Covered Bond Programme do not form part of the Legislative Covered Bond Programme, nor do they benefit from the Covered Bond Legislative Framework.

\$6,711,550,000

\$9,035,340,280



# National Bank of Canada Legislative Covered Bond Programme Monthly Investor Report Calculation Date: 31 Jan 2017

Cover Pool Summary Statistics	
Previous Month Ending Balance	\$13,401,251,367
Current Balance	\$13,201,966,358
Number of Mortgages in Pool	108,877
Average Mortgage Size	\$121,256
Number of Properties	85,142
Number of Borrowers	82,013
Weighted Average Indexed Authorized LTV	63.34%
Weighted Average Indexed Drawn LTV	56.30%
Weighted Average Original LTV	72.97%
Weighted Average Interest Rate	2.68%
Weighted Average Seasoning	22.91 months
Weighted Average Original Term	52.43 months
Weighted Average Remaining Term	29.52 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	108,734	99.87%	\$13,182,562,845	99.85%
30 to 59 days past due	89	0.08%	\$12,440,010	0.09%
60 to 89 days past due	28	0.03%	\$4,230,982	0.03%
90 or more days past due	26	0.02%	\$2,732,522	0.02%
Total	108,877	100.00%	\$13,201,966,358	100.00%

Cover Pool Provincial Distribution						
<u>Province</u>	<b>Number of Loans</b>	<u>Percentage</u>	Principal Balance	<u>Percentage</u>		
British Columbia	2,599	2.39%	\$639,920,050	4.85%		
Prairies	4,317	3.97%	\$860,800,667	6.52%		
Ontario	16,294	14.97%	\$3,248,976,323	24.61%		
Quebec	83,576	76.76%	\$8,272,337,896	62.66%		
Atlantic	2,091	1.92%	\$179,931,422	1.36%		
Other	0	0.00%	\$0	0.00%		
Total	108,877	100.00%	\$13,201,966,358	100.00%		

<b>Cover Pool Credit Score Distribution</b>				
Credit Score	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Score Unavailable	1,787	1.64%	\$262,938,191	1.99%
599 and below	1,357	1.25%	\$153,472,072	1.16%
600 - 650	2,971	2.73%	\$367,897,291	2.79%
651 - 700	11,381	10.45%	\$1,513,533,906	11.46%
701 - 750	36,394	33.43%	\$4,675,092,214	35.41%
751 - 800	44,540	40.91%	\$5,143,335,068	38.96%
801 and above	10,447	9.60%	\$1,085,697,617	8.22%
Total	108,877	100.00%	\$13,201,966,358	100.00%

<b>Cover Pool Interest Rate Type Distribution</b>				
Interest Rate Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Fixed	86,069	79.05%	\$9,743,359,310	73.80%
Variable	22,808	20.95%	\$3,458,607,048	26.20%
Total	108,877	100.00%	\$13,201,966,358	100.00%



1,000,000 and above

Total

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BANK	Calculation Date: 31 Jan 2017					
Cover Pool Occupancy Type Distribution						
Occupancy Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>		
Owner Occupied	93,996	86.33%	\$10,736,367,196	81.32%		
Non-Owner Occupied	14,881	13.67%	\$2,465,599,162	18.68%		
Total	108,877	100.00%	\$13,201,966,358	100.00%		
Mortgage Asset Type Distribution						
Asset Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>		
Conventional Mortgage	49,018	45.02%	\$6,710,288,710	50.83%		
Mortgage Segment of All-in-One Product	59,859	54.98%	\$6,491,677,648	49.17%		
Total	108,877	100.00%	\$13,201,966,358	100.00%		
Cover Pool Interest Rate Distribution						
Interest Rate (%)	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>		
Less than 2.000	2,076	1.91%	\$392,998,070	2.98%		
2.000 - 2.999	86,022	79.01%	\$10,656,815,238	80.72%		
3.000 - 3.999	18,604	17.09%	\$1,938,567,905	14.68%		
4.000 - 4.999	1,417	1.30%	\$136,327,264	1.03%		
5.000 - 5.999	315	0.29%	\$33,700,592	0.26%		
6.000 - 6.999	443	0.41%	\$43,557,289	0.33%		
7.000 - 7.999	0	0.00%	\$0	0.00%		
8.000 or Greater	0	0.00%	\$0	0.00%		
Total	108,877	100.00%	\$13,201,966,358	100.00%		
Cover Pool Remaining Balance						
Remaining Principal Balance (\$)	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>		
99,999 and below	58,554	53.78%	\$2,868,693,973	21.73%		
100,000 - 149,999	19,460	17.87%	\$2,404,815,230	18.22%		
150,000 - 199,999	12,789	11.75%	\$2,217,892,648	16.80%		
200,000 - 249,999	7,208	6.62%	\$1,607,778,986	12.18%		
250,000 - 299,999	4,188	3.85%	\$1,141,832,001	8.65%		
300,000 - 349,999	2,375	2.18%	\$768,042,838	5.82%		
350,000 - 399,999	1,473	1.35%	\$549,949,576	4.17%		
400,000 - 449,999	874	0.80%	\$370,802,599	2.81%		
450,000 - 499,999	572	0.53%	\$271,298,019	2.06%		
500,000 - 549,999	308	0.28%	\$161,334,079	1.22%		
550,000 - 599,999	260	0.24%	\$149,220,384	1.13%		
600,000 - 649,999	154	0.14%	\$95,795,764	0.73%		
650,000 - 699,999	117	0.11%	\$78,830,483	0.60%		
700,000 - 749,999	92	0.08%	\$66,638,034	0.50%		
750,000 - 799,999	80	0.07%	\$61,877,916	0.47%		
800,000 - 849,999	79	0.07%	\$65,143,422	0.49%		
850,000 - 899,999	75	0.07%	\$65,694,684	0.50%		
900,000 - 949,999	58	0.05%	\$53,698,972	0.41%		
950,000 - 999,999	54	0.05%	\$52,741,722	0.40%		

107

108,877

0.10%

100.00%

1.14%

100.00%

\$149,885,030

\$13,201,966,358



75.01 - 80.00

Total

Greater than 80.00

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BANK				
Cover Pool Months to Maturity Distribut  Months to Maturity	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentag</u>
5 or Less	8,874	8.15%	\$934,378,557	7.089
6 - 11	9,799	9.00%	\$1,125,833,699	8.539
12 - 23	25,899	23.79%	\$2,814,612,116	21.329
24 - 35	25,408	23.34%	\$3,327,319,727	25.209
36 - 47	25,711	23.61%	\$3,201,873,660	24.259
48 - 59	12,671	11.64%	\$1,731,703,473	13.129
60 - 71	347	0.32%	\$41,036,917	0.319
72 - 83	106	0.10%	\$16,040,018	0.129
84 or Greater	62	0.06%	\$9,168,191	0.079
Total	108,877	100.00%	\$13,201,966,358	100.009
Cover Pool Property Type Distribution				
Property Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Single Family	86,136	79.11%	\$10,112,352,167	76.60%
Condominium	11,884	10.92%	\$1,550,743,125	11.75%
2-4 Family Units	10,857	9.97%	\$1,538,871,066	11.66%
Total	108,877	100.00%	\$13,201,966,358	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	2,217	2.04%	\$95,750,022	0.73%
20.01 - 25.00	1,600	1.47%	\$115,909,015	0.88%
25.01 - 30.00	2,131	1.96%	\$179,748,736	1.36%
30.01 - 35.00	2,823	2.59%	\$281,386,800	2.139
35.01 - 40.00	3,614	3.32%	\$406,160,702	3.089
40.01 - 45.00	4,838	4.44%	\$579,764,705	4.39%
45.01 - 50.00	5,929	5.45%	\$786,062,195	5.95%
50.01 - 55.00	7,185	6.60%	\$959,786,898	7.279
55.01 - 60.00	8,887	8.16%	\$1,180,456,102	8.94%
60.01 - 65.00	12,166	11.17%	\$1,560,234,933	11.82%
65.01 - 70.00	12,523	11.50%	\$1,594,865,844	12.08%
70.01 - 75.00	16,120	14.81%	\$2,009,164,931	15.22%
75.01 - 80.00	23,048	21.17%	\$2,754,889,639	20.87%
Greater than 80.00	5,796	5.32%	\$697,785,837	5.29%
Total	108,877	100.00%	\$13,201,966,358	100.00%
Cover Pool Indexed LTV - Drawn Distribu	ution			
Indexed LTV (%)	Number of Loans	<u>Percentage</u>	Principal Balance	Percentage
20.00 and below	7,750	7.12%	\$401,064,618	3.04%
20.01 - 25.00	4,044	3.71%	\$318,636,111	2.41%
25.01 - 30.00	4,665	4.28%	\$423,633,196	3.21%
30.01 - 35.00	5,388	4.95%	\$550,349,708	4.17%
35.01 - 40.00	5,921	5.44%	\$647,828,121	4.91%
40.01 - 45.00	7,171	6.59%	\$831,207,948	6.30%
45.01 - 50.00	8,247	7.57%	\$1,037,247,763	7.869
50.01 - 55.00	9,118	8.37%	\$1,193,898,838	9.049
55.01 - 60.00	10,344	9.50%	\$1,354,864,284	10.26%
60.01 - 65.00	11,497	10.56%	\$1,560,619,825	11.82%
65.01 - 70.00	12,231	11.23%	\$1,637,630,635	12.40%
70.01 - 75.00	12,589	11.56%	\$1,780,680,828	13.49%
75.04 00.00	0.024	0.400/	44 242 422 274	0.050

8,921

108,877

991

8.19%

0.91%

100.00%

\$1,313,139,071

\$13,201,966,358

\$151,165,411

9.95%

1.15%

100.00%



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Provincial Distribution by Indexed LTV - Drawn and Aging Summary

Current and less than 30 days past due							
Indexed LTV (%)	British Columbia	<u>Prairies</u>	<u>Ontario</u>	Quebec	Atlantic	Other	<u>Total</u>
20.00 and below	\$56,868,392	\$10,439,549	\$156,873,330	\$174,131,089	\$2,703,531	\$0	\$401,015,891
20.01 - 25.00	\$44,591,150	\$8,501,109	\$116,637,885	\$146,254,115	\$2,610,216	\$0	\$318,594,475
25.01 - 30.00	\$43,516,506	\$14,004,643	\$165,923,254	\$196,108,661	\$4,028,312	\$0	\$423,581,375
30.01 - 35.00	\$45,358,604	\$16,909,888	\$221,830,693	\$258,998,281	\$6,678,478	\$0	\$549,775,945
35.01 - 40.00	\$51,575,948	\$19,900,061	\$241,777,118	\$324,973,233	\$8,385,260	\$0	\$646,611,621
40.01 - 45.00	\$58,158,528	\$29,321,160	\$304,412,599	\$426,915,031	\$11,131,552	\$0	\$829,938,870
45.01 - 50.00	\$75,283,965	\$39,876,712	\$373,873,374	\$532,379,391	\$14,506,719	\$0	\$1,035,920,161
50.01 - 55.00	\$66,285,706	\$55,186,978	\$404,327,983	\$636,031,155	\$30,402,790	\$0	\$1,192,234,613
55.01 - 60.00	\$64,057,057	\$76,646,909	\$376,914,428	\$792,919,135	\$41,673,312	\$0	\$1,352,210,841
60.01 - 65.00	\$54,930,358	\$113,594,555	\$370,195,365	\$981,500,708	\$37,864,942	\$0	\$1,558,085,928
65.01 - 70.00	\$44,776,699	\$132,961,751	\$241,927,234	\$1,203,241,951	\$12,187,577	\$0	\$1,635,095,212
70.01 - 75.00	\$22,216,089	\$149,698,421	\$188,998,850	\$1,412,717,250	\$4,611,187	\$0	\$1,778,241,797
75.01 - 80.00	\$9,623,317	\$143,960,714	\$80,800,949	\$1,074,258,404	\$2,050,731	\$0	\$1,310,694,115
Greater than 80.00	\$733,599	\$48,464,346	\$1,450,342	\$99,913,714	\$0	\$0	\$150,562,001
Total	\$637,975,916	\$859,466,797	\$3,245,943,404	\$8,260,342,119	\$178,834,609	\$0	\$13,182,562,845

### 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	\$12,120	\$0	\$0	\$12,120
20.01 - 25.00	\$0	\$0	\$0	\$41,637	\$0	\$0	\$41,637
25.01 - 30.00	\$0	\$0	\$0	\$30,760	\$0	\$0	\$30,760
30.01 - 35.00	\$0	\$0	\$361,018	\$66,963	\$0	\$0	\$427,981
35.01 - 40.00	\$428,219	\$0	\$227,007	\$127,370	\$0	\$0	\$782,597
40.01 - 45.00	\$509,678	\$0	\$0	\$103,485	\$0	\$0	\$613,163
45.01 - 50.00	\$127,180	\$0	\$712,967	\$280,595	\$0	\$0	\$1,120,743
50.01 - 55.00	\$0	\$0	\$0	\$926,171	\$240,131	\$0	\$1,166,303
55.01 - 60.00	\$76,378	\$0	\$526,654	\$1,219,320	\$93,332	\$0	\$1,915,684
60.01 - 65.00	\$0	\$377,754	\$0	\$985,360	\$151,531	\$0	\$1,514,645
65.01 - 70.00	\$0	\$72,106	\$246,346	\$1,408,087	\$0	\$0	\$1,726,539
70.01 - 75.00	\$0	\$147,743	\$0	\$1,201,837	\$0	\$0	\$1,349,579
75.01 - 80.00	\$0	\$0	\$0	\$1,134,850	\$0	\$0	\$1,134,850
Greater than 80.00	\$0	\$603,410	\$0	\$0	\$0	\$0	\$603,410
Total	\$1 141 455	\$1 201 013	\$2 073 993	\$7 538 554	\$484 995	\$0	\$12 440 010



# National Bank of Canada Legislative Covered Bond Programme Monthly Investor Report Calculation Date: 31 Jan 2017

### 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	\$4,537	\$0	\$0	\$4,537
20.01 - 25.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25.01 - 30.00	\$0	\$0	\$0	\$21,061	\$0	\$0	\$21,061
30.01 - 35.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35.01 - 40.00	\$356,474	\$0	\$0	\$77,430	\$0	\$0	\$433,904
40.01 - 45.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45.01 - 50.00	\$0	\$0	\$0	\$71,309	\$0	\$0	\$71,309
50.01 - 55.00	\$0	\$0	\$0	\$283,446	\$214,476	\$0	\$497,922
55.01 - 60.00	\$0	\$0	\$0	\$285,705	\$201,526	\$0	\$487,231
60.01 - 65.00	\$0	\$0	\$0	\$630,807	\$0	\$0	\$630,807
65.01 - 70.00	\$0	\$0	\$0	\$430,214	\$0	\$0	\$430,214
70.01 - 75.00	\$0	\$0	\$0	\$535,285	\$0	\$0	\$535,285
75.01 - 80.00	\$446,206	\$0	\$491,058	\$181,448	\$0	\$0	\$1,118,712
Greater than 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$802,679	\$0	\$491,058	\$2,521,242	\$416,002	\$0	\$4,230,982

### 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	\$32,069	\$0	\$0	\$32,069
20.01 - 25.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25.01 - 30.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30.01 - 35.00	\$0	\$0	\$0	\$145,783	\$0	\$0	\$145,783
35.01 - 40.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40.01 - 45.00	\$0	\$0	\$467,867	\$188,047	\$0	\$0	\$655,914
45.01 - 50.00	\$0	\$0	\$0	\$96,021	\$39,529	\$0	\$135,550
50.01 - 55.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
55.01 - 60.00	\$0	\$0	\$0	\$250,528	\$0	\$0	\$250,528
60.01 - 65.00	\$0	\$132,857	\$0	\$99,300	\$156,287	\$0	\$388,445
65.01 - 70.00	\$0	\$0	\$0	\$378,670	\$0	\$0	\$378,670
70.01 - 75.00	\$0	\$0	\$0	\$554,168	\$0	\$0	\$554,168
75.01 - 80.00	\$0	\$0	\$0	\$191,395	\$0	\$0	\$191,395
Greater than 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$132,857	\$467,867	\$1,935,981	\$195,816	\$0	\$2,732,522

Cover Pool Indexed LTV - Drawn by Credit Bureau Score

Indexed	ı TV	(%)

	500 d b -l	000 050	054 700	704 750	754 000	004	0	Total
	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	\$916,154	\$4,774,091	\$13,115,271	\$62,403,003	\$237,530,792	\$74,720,630	\$7,604,677	\$401,064,618
20.01 - 25.00	\$1,480,439	\$3,513,903	\$15,641,668	\$54,487,630	\$194,968,751	\$42,020,681	\$6,523,039	\$318,636,111
25.01 - 30.00	\$2,685,233	\$6,127,409	\$26,863,460	\$104,764,789	\$234,201,527	\$40,908,585	\$8,082,194	\$423,633,196
30.01 - 35.00	\$4,561,717	\$11,686,737	\$32,661,165	\$141,253,259	\$290,320,240	\$55,461,931	\$14,404,659	\$550,349,708
35.01 - 40.00	\$3,956,787	\$15,000,730	\$41,713,011	\$176,041,468	\$334,968,232	\$56,506,525	\$19,641,368	\$647,828,121
40.01 - 45.00	\$6,454,067	\$17,826,346	\$71,630,712	\$252,020,099	\$391,566,259	\$72,639,027	\$19,071,438	\$831,207,948
45.01 - 50.00	\$9,408,435	\$27,153,308	\$101,022,573	\$330,749,232	\$453,831,333	\$88,758,964	\$26,323,919	\$1,037,247,763
50.01 - 55.00	\$13,116,437	\$31,401,363	\$118,687,698	\$419,733,004	\$499,634,681	\$86,571,810	\$24,753,843	\$1,193,898,838
55.01 - 60.00	\$16,282,820	\$37,703,172	\$146,606,685	\$481,678,571	\$536,554,764	\$105,557,066	\$30,481,206	\$1,354,864,284
60.01 - 65.00	\$23,234,158	\$47,119,460	\$191,175,982	\$579,116,961	\$570,819,731	\$120,621,465	\$28,532,069	\$1,560,619,825
65.01 - 70.00	\$25,724,659	\$62,996,467	\$215,441,391	\$676,876,808	\$507,485,769	\$121,763,701	\$27,341,839	\$1,637,630,635
70.01 - 75.00	\$28,444,435	\$53,232,779	\$258,474,209	\$764,423,035	\$524,200,470	\$123,519,083	\$28,386,818	\$1,780,680,828
75.01 - 80.00	\$15,520,307	\$41,606,732	\$245,586,520	\$571,914,542	\$331,518,035	\$88,222,364	\$18,770,571	\$1,313,139,071
Greater than 80.00	\$1,686,424	\$7,754,795	\$34,913,561	\$59,629,813	\$35,734,483	\$8,425,783	\$3,020,552	\$151,165,411
Total	\$153,472,072	\$367,897,291	\$1,513,533,906	\$4,675,092,214	\$5,143,335,068	\$1,085,697,617	\$262,938,191	\$13,201,966,358



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

Calculation Date: 31 Jan 2017

#### 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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