

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

Calculation Date: 31 May 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 Inf	ormation							
<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) 42.22
Weighted Average Remaining Term of Loans in Cover Pool (months) 27.48

Series Ratings	Moody's	<b>DBRS</b>	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**

	Standard & Poor's	Moody's	<u>DBRS</u>	Fitch Ratings
Senior Debt	Α	A1	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	A1	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>	Fitch
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:

casi manager (125) rans seren ere capacites raung.	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:

os. Nos. (1996) iano zoion ano dipanatoa iannigi	Moody's	<u>DBRS</u>	<u>Fitch</u>
(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

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

Issuer (NBC) falls below the stipulated rating:

issues (1.126) tane seren ure capatated taning.	Moody's	<u>DBRS</u>	<u>Fitch</u>
(a) Repayment of the Demand Loan     (b) Establishment of the Reserve Fund     (c) Fund Pre-Maturity Liquidity Required Amount on Hard Bullet Covered Bonds	N/A P-1* P-1*	N/A R-1(mid)* & A(low) 6 months: A(high) 12 months: A(low)	F2* or BBB+ F1* or A F1+*

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

Issuer (NBC) falls below the stipulated rating: Moody's **DBRS** Fitch BBB(high) Baa1 BBB+

(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>
<ul><li>(a) Interest Rate Swap Provider</li><li>(b) Covered Bond Swap Provider</li></ul>	P-1* or A2	R-1(mid)* & A(high)	F1* or A
	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



Asset Coverage Test

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

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Outstanding Covered Bonds	\$6,711,550,000		
A = Lesser of (i) LTV Adjusted True Balance and	\$11,389,479,947	A(i):	\$12,420,370,717
(ii) Asset Percentage Adjusted True Balance		A(ii):	\$11,389,479,947
3 = 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		
Y = Contingent Collateral Amount			
Z = Negative Carry Factor calculation	\$118,067,766		
Total: A + B + C + D + E - Y- Z	\$11,271,412,182		
<del>-</del>	-		
Asset Coverage Test	PASS		
Asset Coverage Test  Note: Due to rounding, numbers presented may not add up precisely to the totals provide	<del></del>		
-	<del></del>		
Note: Due to rounding, numbers presented may not add up precisely to the totals provide	<del></del>		
Note: Due to rounding, numbers presented may not add up precisely to the totals provide	ed.		
Note: Due to rounding, numbers presented may not add up precisely to the totals provide  /aluation Calculation  Frading Value of Covered Bonds	\$7,145,546,851		
Note: Due to rounding, numbers presented may not add up precisely to the totals provide  /aluation Calculation  Frading Value of Covered Bonds  A = LTV Adjusted Loan Present Value	\$7,145,546,851 \$12,259,386,466		
Note: Due to rounding, numbers presented may not add up precisely to the totals provide  /aluation Calculation  Frading Value of Covered Bonds  A = LTV Adjusted Loan Present Value B = Principal Receipts	\$7,145,546,851 \$12,259,386,466 \$0		

\$0

3.29%

\$12,259,386,466

## Amortization Test

F = Trading Value of Swap Collateral

Total: A + B + C + D + E + F

Event of Default on the part of the registered issuer?

No
Do any Covered Bonds remain outstanding?

Amortization Test Required?

No
Amortization Test

N/A

Present Value Adjusted Aggregate Asset Amount

Weighted average market rate used for discounting:

## Intercompany Loan Balance

 Guarantee Loan
 \$7,325,392,776

 Demand Loan
 \$5,370,987,985

 Total
 \$12,696,380,761

### Covered Bonds Outstanding vs OSFI Limit

Covered Bonds Currently Outstanding (CAD Equivalent):
Issued under the Legislative Covered Bond Programme
Total
\$6,711,550,000

OSFI Maximum (CAD Equivalent): \$9,212,035,000

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.



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

Cover Pool Summary Statistics	
Previous Month Ending Balance	\$12,665,689,815
Current Balance	\$12,423,494,543
Number of Mortgages in Pool	103,971
Average Mortgage Size	\$119,490
Number of Properties	81,574
Number of Borrowers	78,643
Weighted Average Indexed Authorized LTV	62.79%
Weighted Average Indexed Drawn LTV	55.61%
Weighted Average Original LTV	72.96%
Weighted Average Interest Rate	2.68%
Weighted Average Seasoning	25.35 months
Weighted Average Original Term	52.83 months
Weighted Average Remaining Term	27.48 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	103,816	99.85%	\$12,405,027,641	99.85%
30 to 59 days past due	85	0.08%	\$10,895,466	0.09%
60 to 89 days past due	43	0.04%	\$4,447,610	0.04%
90 or more days past due	27	0.03%	\$3,123,826	0.03%
Total	103,971	100.00%	\$12,423,494,543	100.00%

<b>Cover Pool Provincial Distribution</b>				
<u>Province</u>	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
British Columbia	2,475	2.38%	\$599,428,763	4.83%
Prairies	4,173	4.01%	\$819,131,621	6.59%
Ontario	15,500	14.91%	\$3,051,389,892	24.56%
Quebec	79,809	76.76%	\$7,783,787,807	62.65%
Atlantic	2,014	1.94%	\$169,756,458	1.37%
Other	0	0.00%	\$0	0.00%
Total	103,971	100.00%	\$12,423,494,543	100.00%

<b>Cover Pool Credit Score Distribution</b>				
<u>Credit Score</u>	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Score Unavailable	1,735	1.67%	\$253,302,357	2.04%
599 and below	1,334	1.28%	\$155,117,739	1.25%
600 - 650	2,840	2.73%	\$348,714,186	2.81%
651 - 700	10,129	9.74%	\$1,322,976,475	10.65%
701 - 750	33,625	32.34%	\$4,260,052,270	34.29%
751 - 800	43,206	41.56%	\$4,931,043,447	39.69%
801 and above	11,102	10.68%	\$1,152,288,069	9.28%
Total	103,971	100.00%	\$12,423,494,543	100.00%

Cover Pool Interest Rate Type Distribution				
Interest Rate Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
Fixed	81,570	78.45%	\$9,092,872,279	73.19%
Variable	22,401	21.55%	\$3,330,622,264	26.81%
Total	103,971	100.00%	\$12,423,494,543	100.00%



1,000,000 and above

Total

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BANK	Calculation Date: 31 May 2017						
Cover Pool Occupancy Type Distribution							
Occupancy Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>			
Owner Occupied	89,723	86.30%	\$10,089,928,833	81.22%			
Non-Owner Occupied	14,248	13.70%	\$2,333,565,710	18.78%			
Total	103,971	100.00%	\$12,423,494,543	100.00%			
Mortgage Asset Type Distribution							
Asset Type	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>			
Conventional Mortgage	46,322	44.55%	\$6,272,224,658	50.49%			
Mortgage Segment of All-in-One Product	57,649	55.45%	\$6,151,269,885	49.51%			
Total	103,971	100.00%	\$12,423,494,543	100.00%			
Cover Pool Interest Rate Distribution							
Interest Rate (%)	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>			
Less than 2.000	1,620	1.56%	\$316,609,289	2.55%			
2.000 - 2.999	84,214	81.00%	\$10,228,277,647	82.33%			
3.000 - 3.999	16,129	15.51%	\$1,671,049,799	13.45%			
4.000 - 4.999	1,230	1.18%	\$125,298,339	1.01%			
5.000 - 5.999	259	0.25%	\$27,697,858	0.22%			
6.000 - 6.999	519	0.50%	\$54,561,611	0.44%			
7.000 - 7.999	0	0.00%	\$0	0.00%			
8.000 or Greater	0	0.00%	\$0	0.00%			
Total	103,971	100.00%	\$12,423,494,543	100.00%			
Cover Pool Remaining Balance							
Remaining Principal Balance (\$)	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>			
99,999 and below	56,577	54.42%	\$2,756,779,703	22.19%			
100,000 - 149,999	18,560	17.85%	\$2,290,643,373	18.44%			
150,000 - 199,999	12,090	11.63%	\$2,095,809,000	16.87%			
200,000 - 249,999	6,705	6.45%	\$1,495,373,642	12.04%			
250,000 - 299,999	3,881	3.73%	\$1,057,339,020	8.51%			
300,000 - 349,999	2,226	2.14%	\$720,280,403	5.80%			
350,000 - 399,999	1,312	1.26%	\$490,053,642	3.94%			
400,000 - 449,999	817	0.79%	\$346,131,810	2.79%			
450,000 - 499,999	537	0.52%	\$254,569,507	2.05%			
500,000 - 549,999	272	0.26%	\$142,511,727	1.15%			
550,000 - 599,999	248	0.24%	\$141,927,432	1.14%			
600,000 - 649,999	138	0.13%	\$85,909,962	0.69%			
650,000 - 699,999	112	0.11%	\$75,534,401	0.61%			
700,000 - 749,999	79	0.08%	\$57,366,382	0.46%			
750,000 - 799,999	71	0.07%	\$54,888,967	0.44%			
800,000 - 849,999	80	0.08%	\$65,925,475	0.53%			
850,000 - 899,999	66	0.06%	\$57,818,088	0.47%			
900,000 - 949,999	53	0.05%	\$48,867,361	0.39%			
950,000 - 999,999	49	0.05%	\$47,744,442	0.38%			

98

103,971

0.09%

100.00%

1.11%

100.00%

\$138,020,206

\$12,423,494,543



75.01 - 80.00

Total

Greater than 80.00

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

BANK	Calculation Date:	or may zorr		
Cover Pool Months to Maturity Distribut  Months to Maturity	ion Number of Loans	<u>Percentage</u>	Principal Balance	Percentag
5 or Less	9,006	8.66%	\$1,009,074,207	8.129
6 - 11	8,844	8.51%	\$960,421,342	7.73%
12 - 23	27,122	26.09%	\$2,954,573,853	23.78%
24 - 35	26,886	25.86%	\$3,430,447,382	27.61%
36 - 47	22,180	21.33%	\$2,799,514,789	22.53%
48 - 59	9,180	8.83%	\$1,179,160,660	9.49%
60 - 71	604	0.58%		
72 - 83	96	0.09%	\$67,251,354 \$15,154,709	0.54% 0.12%
84 or Greater	53	0.05%	\$7,896,247	0.06%
Total	103,971	100.00%	\$12,423,494,543	100.00%
Cover Pool Property Type Distribution				
Property Type	Number of Loans	<u>Percentage</u>	Principal Balance	Percentage
Single Family	81,251	78.15%	\$9,384,444,810	75.54%
Condominium	12,181	11.72%	\$1,570,224,986	12.64%
2-4 Family Units	10,539	10.14%	\$1,468,824,748	11.82%
Total	103,971	100.00%	\$12,423,494,543	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	2,274	2.19%	\$96,273,238	0.77%
20.01 - 25.00	1,568	1.51%	\$113,430,042	0.91%
25.01 - 30.00	2,128	2.05%	\$187,445,063	1.51%
30.01 - 35.00	2,805	2.70%	\$295,623,679	2.38%
35.01 - 40.00	3,667	3.53%	\$415,930,406	3.35%
40.01 - 45.00	4,845	4.66%	\$608,386,548	4.90%
45.01 - 50.00	6,023	5.79%	\$801,270,444	6.45%
50.01 - 55.00	6,987	6.72%	\$954,053,205	7.68%
55.01 - 60.00	8,540	8.21%	\$1,135,785,290	9.14%
60.01 - 65.00	11,204	10.78%	\$1,387,722,732	11.17%
65.01 - 70.00	11,530	11.09%	\$1,435,074,568	11.55%
70.01 - 75.00	14,477	13.92%	\$1,763,903,684	14.20%
75.01 - 80.00	19,979	19.22%	\$2,349,824,584	18.91%
Greater than 80.00	7,944	7.64%	\$878,771,059	7.07%
Total	103,971	100.00%	\$12,423,494,543	100.00%
Cover Pool Indexed LTV - Drawn Distribu	ıtion			
Indexed LTV (%)	Number of Loans	<u>Percentage</u>	Principal Balance	<u>Percentage</u>
20.00 and below	7,861	7.56%	\$403,251,113	3.25%
20.01 - 25.00	3,871	3.72%	\$310,765,849	2.50%
25.01 - 30.00	4,666	4.49%	\$431,137,914	3.47%
30.01 - 35.00	5,171	4.97%	\$536,067,980	4.32%
35.01 - 40.00	5,990	5.76%	\$660,903,842	5.32%
40.01 - 45.00	7,051	6.78%	\$827,278,186	6.66%
45.01 - 50.00	8,029	7.72%	\$1,027,245,418	8.27%
50.01 - 55.00	8,982	8.64%	\$1,176,337,897	9.47%
55.01 - 60.00	9,767	9.39%	\$1,270,294,050	10.22%
60.01 - 65.00	10,552	10.15%	\$1,368,998,156	11.02%
65.01 - 70.00	11,313	10.88%	\$1,503,409,693	12.10%
70.01 - 75.00	11,444	11.01%	\$1,599,498,303	12.87%
75.04 00.00	7.047			

7,917

1,357

103,971

7.61%

1.31%

100.00%

\$1,123,248,714

\$12,423,494,543

\$185,057,427

9.04%

1.49%

100.00%



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

Provincial Distribution by Indexed LTV - Drawn and Aging Summary

Current and less than 30 days past due

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	\$47,523,406	\$9,890,405	\$168,941,561	\$174,024,716	\$2,806,246	\$0	\$403,186,334
20.01 - 25.00	\$42,724,207	\$7,394,432	\$123,099,480	\$134,870,775	\$2,634,517	\$0	\$310,723,411
25.01 - 30.00	\$36,259,429	\$15,895,183	\$180,142,354	\$194,276,767	\$4,477,797	\$0	\$431,051,530
30.01 - 35.00	\$51,550,141	\$15,759,835	\$217,047,667	\$244,556,472	\$6,445,719	\$0	\$535,359,834
35.01 - 40.00	\$55,923,174	\$19,054,698	\$252,933,905	\$323,438,998	\$9,237,412	\$0	\$660,588,187
40.01 - 45.00	\$53,554,917	\$25,984,379	\$328,127,926	\$407,958,405	\$10,723,424	\$0	\$826,349,050
45.01 - 50.00	\$61,731,614	\$37,691,646	\$400,794,984	\$509,132,773	\$16,451,186	\$0	\$1,025,802,204
50.01 - 55.00	\$66,029,555	\$58,232,163	\$400,315,031	\$612,712,880	\$36,122,510	\$0	\$1,173,412,140
55.01 - 60.00	\$62,601,522	\$70,700,711	\$347,204,403	\$747,084,029	\$41,407,349	\$0	\$1,268,998,014
60.01 - 65.00	\$51,129,312	\$101,828,157	\$265,252,621	\$922,571,740	\$25,864,586	\$0	\$1,366,646,416
65.01 - 70.00	\$39,522,734	\$122,556,997	\$180,740,339	\$1,149,127,470	\$8,424,053	\$0	\$1,500,371,593
70.01 - 75.00	\$24,189,647	\$140,489,442	\$124,413,628	\$1,304,028,885	\$2,824,445	\$0	\$1,595,946,048
75.01 - 80.00	\$5,458,492	\$140,225,994	\$58,080,238	\$916,683,198	\$1,364,374	\$0	\$1,121,812,296
Greater than 80.00	\$847,091	\$53,370,546	\$542,886	\$130,020,059	\$0	\$0	\$184,780,583
Total	\$599,045,242	\$819,074,588	\$3,047,637,024	\$7,770,487,168	\$168,783,618	\$0	\$12,405,027,641

## 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	\$56,334	\$0	\$0	\$56,334
20.01 - 25.00	\$0	\$0	\$21,694	\$0	\$0	\$0	\$21,694
25.01 - 30.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30.01 - 35.00	\$182,950	\$0	\$398,622	\$26,636	\$0	\$0	\$608,208
35.01 - 40.00	\$0	\$0	\$90,830	\$0	\$0	\$0	\$90,830
40.01 - 45.00	\$0	\$0	\$266,192	\$346,749	\$0	\$0	\$612,942
45.01 - 50.00	\$0	\$0	\$205,049	\$1,044,152	\$72,836	\$0	\$1,322,037
50.01 - 55.00	\$58,749	\$0	\$1,379,663	\$648,865	\$84,665	\$0	\$2,171,943
55.01 - 60.00	\$0	\$0	\$0	\$580,023	\$92,936	\$0	\$672,959
60.01 - 65.00	\$0	\$0	\$0	\$616,723	\$119,536	\$0	\$736,259
65.01 - 70.00	\$0	\$0	\$0	\$1,717,741	\$0	\$0	\$1,717,741
70.01 - 75.00	\$0	\$0	\$456,804	\$1,678,882	\$0	\$0	\$2,135,687
75.01 - 80.00	\$0	\$0	\$0	\$585,520	\$0	\$0	\$585,520
Greater than 80.00	\$0	\$0	\$0	\$163,314	\$0	\$0	\$163,314
Total	\$241,700	\$0	\$2,818,855	\$7,464,940	\$369,972	\$0	\$10,895,466



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

#### 60 to 89 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	\$20,744	\$0	\$0	\$20,744
25.01 - 30.00	\$0	\$0	\$0	\$26,597	\$0	\$0	\$26,597
30.01 - 35.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35.01 - 40.00	\$0	\$0	\$224,825	\$0	\$0	\$0	\$224,825
40.01 - 45.00	\$141,821	\$0	\$0	\$0	\$0	\$0	\$141,821
45.01 - 50.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
50.01 - 55.00	\$0	\$0	\$244,772	\$222,574	\$0	\$0	\$467,346
55.01 - 60.00	\$0	\$0	\$116,707	\$37,360	\$104,544	\$0	\$258,612
60.01 - 65.00	\$0	\$0	\$0	\$933,238	\$182,268	\$0	\$1,115,506
65.01 - 70.00	\$0	\$0	\$0	\$729,770	\$0	\$0	\$729,770
70.01 - 75.00	\$0	\$57,033	\$0	\$821,703	\$0	\$0	\$878,736
75.01 - 80.00	\$0	\$0	\$139,553	\$330,569	\$0	\$0	\$470,122
Greater than 80.00	\$0	\$0	\$0	\$113,530	\$0	\$0	\$113,530
Total	\$141,821	\$57,033	\$725,857	\$3,236,086	\$286,812	\$0	\$4,447,610

### 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	\$8,445	\$0	\$0	\$8,445
20.01 - 25.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25.01 - 30.00	\$0	\$0	\$0	\$59,787	\$0	\$0	\$59,787
30.01 - 35.00	\$0	\$0	\$0	\$99,938	\$0	\$0	\$99,938
35.01 - 40.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40.01 - 45.00	\$0	\$0	\$0	\$174,374	\$0	\$0	\$174,374
45.01 - 50.00	\$0	\$0	\$0	\$0	\$121,177	\$0	\$121,177
50.01 - 55.00	\$0	\$0	\$0	\$91,590	\$194,879	\$0	\$286,469
55.01 - 60.00	\$0	\$0	\$208,156	\$156,309	\$0	\$0	\$364,465
60.01 - 65.00	\$0	\$0	\$0	\$499,975	\$0	\$0	\$499,975
65.01 - 70.00	\$0	\$0	\$0	\$590,590	\$0	\$0	\$590,590
70.01 - 75.00	\$0	\$0	\$0	\$537,832	\$0	\$0	\$537,832
75.01 - 80.00	\$0	\$0	\$0	\$380,776	\$0	\$0	\$380,776
Greater than 80.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$208,156	\$2,599,614	\$316,056	\$0	\$3,123,826

Cover Pool Indexed LTV - Drawn by Credit Bureau Score

Indexed	ı TV	(%)

	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	\$1,395,738	\$4,191,012	\$13,675,808	\$53,124,037	\$241,131,373	\$82,635,395	\$7,097,751	\$403,251,113
20.01 - 25.00	\$1,715,804	\$3,138,317	\$14,374,381	\$54,567,346	\$189,490,337	\$41,865,307	\$5,614,357	\$310,765,849
25.01 - 30.00	\$1,645,712	\$7,577,704	\$28,707,222	\$96,741,824	\$236,236,430	\$49,243,017	\$10,986,006	\$431,137,914
30.01 - 35.00	\$3,487,495	\$11,446,686	\$31,728,024	\$140,471,607	\$276,959,589	\$59,464,118	\$12,510,462	\$536,067,980
35.01 - 40.00	\$3,953,255	\$14,809,446	\$46,196,079	\$186,455,419	\$330,680,365	\$60,380,783	\$18,428,495	\$660,903,842
40.01 - 45.00	\$7,258,560	\$17,619,223	\$68,978,471	\$239,218,329	\$394,767,200	\$79,200,996	\$20,235,407	\$827,278,186
45.01 - 50.00	\$9,306,598	\$24,862,458	\$94,278,366	\$326,472,334	\$450,744,657	\$96,112,368	\$25,468,638	\$1,027,245,418
50.01 - 55.00	\$13,270,203	\$31,035,101	\$117,539,287	\$383,657,394	\$495,426,032	\$106,627,920	\$28,781,961	\$1,176,337,897
55.01 - 60.00	\$16,668,123	\$33,879,982	\$122,868,115	\$444,863,725	\$510,664,581	\$113,566,963	\$27,782,562	\$1,270,294,050
60.01 - 65.00	\$23,565,951	\$42,000,829	\$151,501,501	\$487,940,453	\$518,787,164	\$119,331,554	\$25,870,705	\$1,368,998,156
65.01 - 70.00	\$26,322,125	\$53,918,251	\$183,404,690	\$606,837,220	\$484,301,741	\$125,785,481	\$22,840,184	\$1,503,409,693
70.01 - 75.00	\$27,348,370	\$53,370,602	\$223,104,891	\$677,918,023	\$466,425,844	\$127,879,953	\$23,450,620	\$1,599,498,303
75.01 - 80.00	\$16,445,635	\$40,481,935	\$189,245,758	\$480,552,734	\$297,578,901	\$78,564,402	\$20,379,349	\$1,123,248,714
Greater than 80.00	\$2,734,169	\$10,382,639	\$37,373,883	\$81,231,827	\$37,849,233	\$11,629,815	\$3,855,861	\$185,057,427
Total	\$155,117,739	\$348,714,186	\$1,322,976,475	\$4,260,052,270	\$4,931,043,447	\$1,152,288,069	\$253,302,357	\$12,423,494,543



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

Calculation Date: 31 May 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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