



## **Supplementary Regulatory Capital Disclosure**

For the period ended  
October 31, 2016

For further information, please contact:

John Ferren, Senior Vice-President, Corporate CFO and Investor Relations (416) 980-2088

Jason Patchett, Senior Director, Investor Relations (416) 980-8691

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This document is unaudited and should be read in conjunction with our 2016 annual report to shareholders (including audited consolidated financial statements and accompanying management's discussion and analysis) and news release for Q4/16. Additional financial information is also available through our quarterly investor presentations as well as the quarterly conference call webcast. All relevant information in this document is prepared under International Financial Reporting Standards (IFRS) and all amounts are in millions of Canadian dollars, unless otherwise stated.

### **BASEL RELATED SCHEDULES**

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# REGULATORY CAPITAL AND RATIOS - BASEL III (ALL-IN BASIS <sup>1</sup>) (continued)

(\$ millions)

Row <sup>2</sup>	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15	Q4/14
	<b>Cross-reference<sup>3</sup></b>								
<b>Capital ratios</b>									
61 Common Equity Tier 1 (as a percentage of risk-weighted assets)	11.3%	10.9%	10.4%	10.6%	10.8%	10.8%	10.8%	10.3%	10.3%
62 Tier 1 (as a percentage of risk-weighted assets)	12.8%	12.4%	11.9%	12.1%	12.5%	12.5%	12.6%	12.1%	12.2%
63 Total capital (as a percentage of risk-weighted assets)	14.8%	14.4%	13.9%	14.2%	15.0%	15.0%	15.3%	15.0%	15.5%
64 Buffer requirement (minimum CET1 requirement plus capital conservation buffer plus G-SIB buffer requirement plus D-SIB buffer requirement expressed as a percentage of risk-weighted assets)	8.0%	8.0%	8.0%	8.0%	7.0%	7.0%	7.0%	7.0%	7.0%
65 of which: capital conservation buffer requirement	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
67a of which: D-SIB buffer requirement	1.0%	1.0%	1.0%	1.0%	n/a	n/a	n/a	n/a	n/a
68 Common Equity Tier 1 available to meet buffers (as percentage of risk-weighted assets)	11.3%	10.9%	10.4%	10.6%	10.8%	10.8%	10.8%	10.3%	10.3%
<b>OSFI all-in target (minimum + capital conservation buffer + D-SIB surcharge (if applicable))</b>									
69 Common Equity Tier 1 all-in target ratio	8.0%	8.0%	8.0%	8.0%	7.0%	7.0%	7.0%	7.0%	7.0%
70 Tier 1 capital all-in target ratio	9.5%	9.5%	9.5%	9.5%	8.5%	8.5%	8.5%	8.5%	8.5%
71 Total capital all-in target ratio	11.5%	11.5%	11.5%	11.5%	10.5%	10.5%	10.5%	10.5%	10.5%
<b>Amounts below the thresholds for deduction (before risk-weighting)</b>									
72 Non-significant investments in the capital of other financials	348	368	425	432	406	453	429	441	389
73 Significant investments in the common stock of financials	814	828	1,463	1,521	1,520	1,505	1,548	1,427	1,487
75 Deferred tax assets arising from temporary differences (net of related tax liabilities)	978	981	892	841	783	799	791	829	643
<b>Applicable caps on the inclusion of allowances in Tier 2</b>									
76 Allowances eligible for inclusion in Tier 2 in respect of exposures subject to standardized approach (prior to application of cap)	74	72	71	76	70	70	68	75	70
77 Cap on inclusion of allowances in Tier 2 under standardized approach	74	72	71	76	70	70	68	75	70
78 Allowances eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings-based approach (prior to application of cap)	-	-	-	-	-	-	19	9	-
79 Cap on inclusion of allowances in Tier 2 under ratings-based approach	-	-	-	-	-	-	19	9	-
<b>Capital instruments subject to phase-out arrangements (only applicable between 1 Jan 2013 and 1 Jan 2022)</b>									
80 Current cap on CET1 instruments subject to phase out arrangements	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
81 Amount excluded from CET1 due to cap (excess over cap after redemptions and maturities)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
82 Current cap on AT1 instruments subject to phase out arrangements	1,504	1,504	1,504	1,504	1,754	1,754	1,754	1,754	2,005
83 Amount excluded from AT1 due to cap (excess over cap after redemptions and maturities)	158	167	165	173	-	-	-	-	-
84 Current cap on T2 instruments subject to phase out arrangements	2,704	2,704	2,704	2,704	3,154	3,154	3,154	3,154	3,605
85 Amount excluded from T2 due to cap (excess over cap after redemptions and maturities)	-	-	-	-	-	-	-	653	328

1 All-in is defined by OSFI as capital calculated to include all of the regulatory adjustments that will be required by 2019, but retaining the phase-out rules for non-qualifying capital instruments. OSFI mandated all institutions to have established a target CET1 ratio of 7%, comprised of the 2019 all-in minimum ratio plus conservation buffer effective the first quarter of 2013. For the Tier 1 and Total capital ratios, the all-in targets were 8.5% and 10.5%, respectively, effective the first quarter of 2014. With the application of the 1% D-SIB CET1 surcharge, the targets are 8%, 9.5% and 11.5% effective January 2016.

2 Per OSFI's "Public Capital Disclosure Requirements related to Basel III Pillar 3" advisory in accordance with Basel III all-in-basis calculations.

3 Cross-referenced to the consolidated balance sheet, refer to pages 3 and 4.

4 Not recorded on the consolidated balance sheet.

5 Comprises non-cumulative Class A Preferred Shares series 27 (until Q4/14 inclusive), 29 (until Q1/15 inclusive), 39, 41 (effective Q1/15), and 43 (effective Q2/15) which are treated as non-viability contingent capital in accordance with OSFI's capital adequacy guidelines.

6 Comprises CIBC Tier 1 Notes - Series A due June 30, 2108 and Series B due June 30, 2108 (together, the Tier 1 Notes). The adoption of IFRS 10 "Consolidated Financial Statements" required CIBC to deconsolidate CIBC Capital Trust, which resulted in the removal of Capital Trust securities issued by CIBC Capital Trust from the consolidated balance sheet and instead recognizing the senior deposit notes issued by CIBC to CIBC Capital Trust within Business and government deposits.

7 Comprises Debentures due on October 28, 2024 and January 26, 2026 which are treated as non-viability contingent capital in accordance with OSFI's capital adequacy guidelines.

8 As a result of the option that CIBC chose for calculating the credit valuation adjustment (CVA) capital charge, the calculation of CET1, Tier 1 and Total Capital ratios are based on different RWAs beginning in Q3/14. The charge will be phased-in during 2014-2019 and relates to bilateral over-the-counter (OTC) derivatives included in credit risk RWA.

9 Synthetic positions not recorded on the consolidated balance sheet.

n/a Not applicable.

# RECONCILIATION OF CAPITAL (ALL-IN BASIS) TO CONSOLIDATED REGULATORY BALANCE SHEET <sup>1</sup>

(\$ millions)

	Q4/16				Cross reference to capital schedule <sup>3</sup>
	Balance sheet as in report to shareholders	Insurance entities Deconsolidation	adjustment <sup>2</sup> Equity accounting	Balance sheet as in the regulatory scope of consolidation	
<b>Assets</b>					
<b>Cash and non-interest-bearing deposits with banks</b>	3,500	-	-	3,500	
<b>Interest-bearing deposits with banks</b>	10,665	-	-	10,665	
<b>Securities</b>	87,423	(215)	-	87,208	
Significant investments in capital of other financial institutions not exceeding regulatory thresholds				-	AF
Non-significant investments in capital of other financial institutions not exceeding regulatory thresholds				96	AG
Significant investments in capital of non-financial institutions				-	
Other securities				87,112	
<b>Cash collateral on securities borrowed</b>	5,433	-	-	5,433	
<b>Securities purchased under resale agreements</b>	28,377	-	-	28,377	
<b>Loans</b>	309,108	-	-	309,108	
<b>Allowance for credit losses</b>	(1,691)	-	-	(1,691)	
Collective allowance reflected in Tier 2 capital				(74)	AA
Excess in allowance over expected losses reflected in Tier 2 capital				-	AB
Allowances not reflected in regulatory capital				(1,617)	
<b>Derivative instruments</b>	27,762	-	-	27,762	
<b>Customers' liability under acceptances</b>	12,364	-	-	12,364	
<b>Land, buildings and equipment</b>	1,898	-	-	1,898	
<b>Goodwill</b>	1,539	-	-	1,539	F
<b>Software and other intangible assets</b>	1,410	-	-	1,410	I
<b>Investments in equity-accounted associates and joint ventures</b>	766	-	446	1,212	
Significant investments in capital of other financial institutions exceeding regulatory thresholds (10% of CET1)				-	P
Significant investments in capital of other financial institutions exceeding regulatory thresholds (15% basket of CET1)				-	R
Significant investments in capital of other financial institutions not exceeding regulatory thresholds				368	AD
Significant investments in capital of other financial institutions related to goodwill				10	G
Significant investments in capital of other financial institutions related to intangibles				6	AL
Significant investments in capital of non-financial institutions				125	
Investment in deconsolidated subsidiaries exceeding regulatory thresholds (10% of CET1)				-	Q
Investment in deconsolidated subsidiaries exceeding regulatory thresholds (15% basket of CET1)				-	S
Investment in deconsolidated subsidiaries not exceeding regulatory thresholds				446	AE
Non-significant investments in capital of other financial institutions not exceeding regulatory thresholds				214	AJ
Non significant investments in capital of non-financial institutions				43	
<b>Deferred tax assets</b>	771	-	-	771	
Deferred tax assets excluding those arising from temporary differences				70	K
Deferred tax assets arising from temporary differences exceeding regulatory thresholds (15% basket of CET1)				-	T
Deferred tax assets arising from temporary differences not exceeding regulatory thresholds				978	AC
Deferred tax liabilities related to goodwill				(88)	H
Deferred tax liabilities related to software and other intangible assets				(158)	J
Deferred tax liabilities related to defined benefit pension fund net assets				(31)	O
<b>Other assets</b>					
Defined benefit pension fund net assets	187	-	-	187	N
Other	11,845	(102)	-	11,743	
Non-significant investments in capital of other financial institutions not exceeding regulatory thresholds				5	AI
Other				11,738	
<b>Total assets</b>	<b>501,357</b>	<b>(317)</b>	<b>446</b>	<b>501,486</b>	

For footnotes, see next page.



## RECONCILIATION OF CAPITAL (ALL-IN BASIS) TO CONSOLIDATED REGULATORY BALANCE SHEET <sup>1</sup> (continued)

(\$ millions)

	Q4/16					Cross reference to capital schedule <sup>3</sup>
	Balance sheet as in report to shareholders	Insurance entities adjustment <sup>2</sup>		Balance sheet as in the regulatory scope of consolidation	Of which	
		Deconsolidation	Equity accounting			
<b>Liabilities</b>						
Deposits	395,647	-	-	395,647		
Obligations related to securities sold short	10,338	-	-	10,338		
Cash collateral on securities lent	2,518	-	-	2,518		
Obligations related to securities sold under repurchase agreements	11,694	-	-	11,694		
Derivative instruments	28,807	-	-	28,807		
Acceptances	12,395	-	-	12,395		
Deferred tax liabilities	21	-	-	21		
Other liabilities	12,898	310	(181)	13,027		
Subordinated indebtedness	3,366	-	-	3,366		
Subordinated indebtedness allowed for inclusion in Tier 2 capital					2,001	X
Subordinated indebtedness allowed for inclusion into Tier 2 capital subject to phase out					1,323	Y
Regulatory capital amortization of maturing subordinated indebtedness not allowed for Tier 2 capital					-	
Subordinated indebtedness excluded from Tier 2 capital due to cap					-	
Subordinated indebtedness not allowed for Tier 2 capital					42	
<b>Total liabilities</b>	<b>477,684</b>	<b>310</b>	<b>(181)</b>	<b>477,813</b>		
<b>Equity</b>						
Preferred shares	1,000	-	-	1,000		
Preferred shares allowed for inclusion into additional Tier 1 capital					1,000	U
Preferred shares allowed for inclusion into additional Tier 1 capital subject to phase out					-	V
Preferred shares excluded from additional Tier 1 capital due to cap					-	AH
Common shares	8,026	-	-	8,026		
Common shares – treasury positions					2	
Common shares					8,024	A
Contributed surplus	72	-	-	72		B
Retained earnings	13,584	(622)	622	13,584		C
Gains and losses due to changes in own credit risk on fair valued liabilities					102	M
Other retained earnings					13,482	
AOCI	790	(5)	5	790		D
Cash flow hedges					23	L
Net fair value gains (losses) arising from changes in institution's own credit risk					-	AK
Other					767	
Non-controlling interests	201	-	-	201		
Portion allowed for inclusion into CET1					113	E
Portion allowed for inclusion into additional Tier 1 capital					14	W
Portion allowed for inclusion into Tier 2 capital					19	Z
Portion not allowed for regulatory capital					55	
<b>Total equity</b>	<b>23,673</b>	<b>(627)</b>	<b>627</b>	<b>23,673</b>		
<b>Total liabilities and equity</b>	<b>501,357</b>	<b>(317)</b>	<b>446</b>	<b>501,486</b>		

## REGULATORY CAPITAL AND RATIOS - BASEL III (TRANSITIONAL BASIS)

(\$ millions)

Row <sup>1</sup>	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15	Q4/14
29 <b>Common Equity Tier 1 capital (CET1)</b>	20,751	19,910	18,773	18,886	19,147	18,878	18,014	17,610	17,496
45 <b>Tier 1 capital (T1 = CET1 + AT1)</b>	22,596	21,764	20,506	20,577	20,671	20,416	19,668	19,199	18,720
59 <b>Total capital (TC = T1 + T2)</b>	25,949	25,154	23,861	23,964	24,538	24,273	23,591	23,347	23,281
60 <b>Total risk-weighted assets <sup>4</sup></b>	173,902	170,333	168,161	168,688	163,867	161,845	154,328	156,118	155,148
<b>Capital ratios</b>									
61 Common Equity Tier 1 (as a percentage of risk-weighted assets)	11.9%	11.7%	11.2%	11.2%	11.7%	11.7%	11.7%	11.3%	11.3%
62 Tier 1 (as a percentage of risk-weighted assets)	13.0%	12.8%	12.2%	12.2%	12.6%	12.6%	12.7%	12.3%	12.1%
63 Total capital (as a percentage of risk-weighted assets)	14.9%	14.8%	14.2%	14.2%	15.0%	15.0%	15.3%	14.9%	15.0%

<sup>1</sup> Per OSFI's "Public Capital Disclosure Requirements related to Basel III Pillar 3" advisory.

<sup>2</sup> Comprises our insurance subsidiaries: CIBC Reinsurance Company Limited (CIBC Re), and CIBC Life Insurance Company Limited (CIBC Life), which are excluded from the regulatory scope of consolidation. CIBC Re provides Life and Health reinsurance to Canadian insurance and international reinsurance companies. CIBC Re is also an active participant in the North American retrocession market. CIBC Life is primarily involved in direct underwriting of life insurance products and has assumed a closed creditor product block of business from a Canadian underwriter; current policies in-force include accidental death, hospital accident, hospital cash benefit plans, critical accident plan, accident recovery plan, term life, and creditor life and disability insurance products. As at October 31, 2016, CIBC Re had \$203 million in assets, \$(235) million in liabilities, and \$438 million in equity, and CIBC Life had \$114 million in assets, \$(75) million in liabilities, and \$189 million in equity.

<sup>3</sup> Refer to pages 1 and 2.

<sup>4</sup> The minimum total capital requirement is \$13,912 million (Q3/16: \$13,627 million) and is calculated by multiplying RWA by 8%. It refers to the minimum standard established by the Basel Committee on Banking Supervision (BCBS) before the application of the capital conservation buffer, and any other capital buffers including but not limited to the capital surcharge for global/domestic systemically important banks that may be established by regulators from time to time.



## CHANGES IN REGULATORY CAPITAL - BASEL III (ALL-IN BASIS <sup>1</sup>)

(\$ millions)

	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15	Q4/14
<b>Common Equity Tier 1 (CET1) capital</b>									
Opening amount	18,345	17,165	17,197	16,829	16,588	15,866	15,033	14,607	14,153
New capital issues	48	23	18	20	8	2	7	13	27
Redeemed capital	-	-	-	-	-	-	-	-	-
Purchase of common shares for cancellation	-	-	(15)	(46)	(2)	-	-	-	(5)
Premium on purchase of common shares for cancellation	-	-	(50)	(159)	(9)	-	-	-	(24)
Gross dividends (deduction)	(488)	(487)	(476)	(466)	(454)	(444)	(433)	(422)	(416)
Shares issued in lieu of cash dividends (add back)	164	-	-	-	-	-	-	-	-
Profit for the quarter (attributable to shareholders of the parent company)	927	1,435	936	977	776	973	907	920	809
Removal of own credit spread (net of tax)	(1)	(29)	37	(28)	(10)	(4)	(14)	(8)	15
Movements in other comprehensive income									
Currency translation differences	223	86	(632)	402	-	404	(259)	577	131
Available-for-sale investments	9	40	40	(22)	(86)	9	(52)	(35)	(1)
Cash flow hedges	(3)	8	3	(7)	6	2	15	(27)	-
Post-employment defined benefit plans	55	(148)	(11)	(286)	240	221	257	(344)	(7)
Goodwill and other intangible assets (deduction, net of related tax liabilities)	(56)	288	85	(132)	(39)	(236)	(16)	(124)	(50)
Shortfall of allowance to expected losses	(27)	(63)	20	(92)	(48)	(73)	-	28	(1)
Other, including regulatory adjustments and transitional arrangements									
Deferred tax assets that rely on future profitability (excluding those arising from temporary differences)	(14)	43	18	(55)	(2)	-	11	2	(9)
Defined benefit pension fund net assets	(41)	(5)	14	261	(151)	(134)	(5)	(9)	27
Significant investments in financial institutions (amount above 10% threshold)	-	-	-	-	-	-	241	23	(63)
Amount exceeding 15% threshold	-	-	-	-	-	-	188	(188)	-
Prudential valuation adjustments	(1)	(5)	(4)	(9)	6	(5)	9	(8)	-
Other	8	(6)	(15)	10	6	7	(23)	28	21
Closing amount	19,148	18,345	17,165	17,197	16,829	16,588	15,866	15,033	14,607
<b>Additional Tier 1 (AT1) capital</b>									
Opening amount	2,517	2,517	2,519	2,691	2,696	2,685	2,738	2,693	2,940
AT1 eligible capital issues	-	-	-	-	-	-	300	300	-
Redeemed capital	-	-	-	-	-	-	(331)	(300)	(250)
Impact of the cap on inclusion for instruments subject to phase out	-	-	-	(173)	-	-	-	-	-
Other, including regulatory adjustments and transitional arrangements	1	-	(2)	1	(5)	11	(22)	45	3
Closing amount	2,518	2,517	2,517	2,519	2,691	2,696	2,685	2,738	2,693
<b>Total Tier 1 capital</b>	<b>21,666</b>	<b>20,862</b>	<b>19,682</b>	<b>19,716</b>	<b>19,520</b>	<b>19,284</b>	<b>18,551</b>	<b>17,771</b>	<b>17,300</b>
<b>Tier 2 capital</b>									
Opening amount	3,449	3,401	3,437	3,914	3,889	3,933	4,253	4,689	3,691
New Tier 2 eligible capital issues	-	-	-	1,000	-	-	-	-	1,000
Redeemed capital <sup>2</sup>	-	-	-	(1,500)	-	-	(447)	-	-
Amortization adjustments	-	-	-	-	-	-	-	-	-
Impact of the cap on inclusion for instruments subject to phase out	-	-	-	-	-	-	-	(451)	-
Other, including regulatory adjustments and transitional arrangements	(32)	48	(36)	23	25	(44)	127	15	(2)
Closing amount	3,417	3,449	3,401	3,437	3,914	3,889	3,933	4,253	4,689
<b>Total capital</b>	<b>25,083</b>	<b>24,311</b>	<b>23,083</b>	<b>23,153</b>	<b>23,434</b>	<b>23,173</b>	<b>22,484</b>	<b>22,024</b>	<b>21,989</b>

<sup>1</sup> All-in is defined by OSFI as capital calculated to include all of the regulatory adjustments that will be required by 2019, but retaining the phase-out rules for non-qualifying capital instruments.

<sup>2</sup> Due to the application of a cap on the inclusion of non-qualifying capital instruments, \$653 million out of the \$1.1 billion of our 4.1% debentures due April 30, 2020 redeemed in Q2/15 did not impact Tier 2 capital.



## BASEL III LEVERAGE RATIO

(\$ millions)

Row <sup>1</sup>	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15
<b>On-balance sheet exposures</b>								
1 On-balance sheet items (excluding derivatives, securities financing transactions (SFTs) and grandfathered securitization exposures, but including collateral)	437,179	426,904	411,069	409,667	401,111	394,020	368,210	365,531
2 Asset amounts deducted in determining Basel III transitional Tier 1 capital	(2,677)	(2,581)	(2,851)	(2,971)	(2,592)	(2,483)	(2,175)	(2,424)
<b>3 Total on-balance sheet exposures (excluding derivatives and SFTs) (sum of lines 1 and 2)</b>	<b>434,502</b>	<b>424,323</b>	<b>408,218</b>	<b>406,696</b>	<b>398,519</b>	<b>391,537</b>	<b>366,035</b>	<b>363,107</b>
<b>Derivative exposures</b>								
4 Replacement cost associated with all derivative transactions (i.e. net of eligible cash variation margin)	6,418	7,065	6,634	7,923	6,225	7,677	6,086	11,195
5 Add-on amounts for potential future exposure (PFE) associated with all derivative transactions	14,406	14,668	13,964	13,393	13,260	12,187	12,523	12,553
6 Gross up for derivatives collateral provided where deducted from the balance sheet assets pursuant to the operative accounting framework	-	-	-	-	-	-	-	-
7 (Deductions of receivables assets for cash variation margin provided in derivative transactions)	(5,667)	(5,450)	(5,280)	(6,267)	(4,980)	(4,664)	(5,095)	(4,648)
8 (Exempted central counterparty (CCP)-leg of client cleared trade exposures)	-	-	-	-	-	-	-	-
9 Adjusted effective notional amount of written credit derivatives	216	356	239	397	991	511	24,955	17,927
10 (Adjusted effective notional offsets and add-on deductions for written credit derivatives)	(22)	(154)	(25)	(169)	(764)	(295)	(24,762)	(17,730)
<b>11 Total derivatives exposures (sum of lines 4 to 10)</b>	<b>15,351</b>	<b>16,485</b>	<b>15,532</b>	<b>15,277</b>	<b>14,732</b>	<b>15,416</b>	<b>13,707</b>	<b>19,297</b>
<b>Securities financing transaction exposures</b>								
12 Gross SFT assets recognized for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions	33,810	36,460	35,722	34,811	33,334	31,350	41,775	38,019
13 (Netted amounts of cash payables and cash receivables of gross SFT assets)	-	-	-	-	-	-	-	-
14 Counterparty credit risk (CCR) exposure for SFTs	1,772	1,135	860	1,005	1,167	1,100	1,488	973
15 Agent transaction exposures	-	-	-	-	-	-	-	-
<b>16 Total securities financing transaction exposures (sum of lines 12 to 15)</b>	<b>35,582</b>	<b>37,595</b>	<b>36,582</b>	<b>35,816</b>	<b>34,501</b>	<b>32,450</b>	<b>43,263</b>	<b>38,992</b>
<b>Other off-balance sheet exposures</b>								
17 Off-balance sheet exposure at gross notional amount	212,888	208,903	203,249	204,266	198,437	194,778	188,081	184,476
18 (Adjustments for conversion to credit equivalent amounts)	(152,187)	(149,527)	(146,151)	(145,416)	(142,685)	(139,884)	(136,129)	(133,090)
<b>19 Off-balance sheet items (sum of lines 17 and 18)</b>	<b>60,701</b>	<b>59,376</b>	<b>57,098</b>	<b>58,850</b>	<b>55,752</b>	<b>54,894</b>	<b>51,952</b>	<b>51,386</b>
<b>Capital and total exposures - Transitional basis</b>								
<b>20 Tier 1 capital</b>	<b>22,596</b>	<b>21,764</b>	<b>20,506</b>	<b>20,577</b>	<b>20,671</b>	<b>20,416</b>	<b>19,668</b>	<b>19,199</b>
<b>21 Total exposures (sum of lines 3, 11, 16 and 19)</b>	<b>546,136</b>	<b>537,779</b>	<b>517,430</b>	<b>516,639</b>	<b>503,504</b>	<b>494,297</b>	<b>474,957</b>	<b>472,782</b>
<b>Leverage ratios - Transitional basis</b>								
<b>22 Basel III leverage ratio</b>	<b>4.1%</b>	<b>4.0%</b>	<b>4.0%</b>	<b>4.0%</b>	<b>4.1%</b>	<b>4.1%</b>	<b>4.1%</b>	<b>4.1%</b>
<b>All-in basis (required by OSFI)</b>								
<b>23 Tier 1 capital - All-in basis</b>	<b>21,666</b>	<b>20,862</b>	<b>19,682</b>	<b>19,716</b>	<b>19,520</b>	<b>19,284</b>	<b>18,551</b>	<b>17,771</b>
24 (Regulatory adjustments)	(3,333)	(3,188)	(3,443)	(3,573)	(3,544)	(3,305)	(2,856)	(3,269)
<b>25 Total exposures (sum of lines 21 and 24, less the amount reported in line 2) - All-in basis</b>	<b>545,480</b>	<b>537,172</b>	<b>516,838</b>	<b>516,037</b>	<b>502,552</b>	<b>493,475</b>	<b>474,276</b>	<b>471,937</b>
<b>26 Leverage ratio - All-in basis</b>	<b>4.0%</b>	<b>3.9%</b>	<b>3.8%</b>	<b>3.8%</b>	<b>3.9%</b>	<b>3.9%</b>	<b>3.9%</b>	<b>3.8%</b>

## SUMMARY COMPARISON OF ACCOUNTING ASSETS VS. LEVERAGE RATIO EXPOSURE MEASURE (TRANSITIONAL BASIS)

(\$ millions)

Row <sup>1</sup>	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15
1 Total consolidated assets as per published financial statements	501,357	494,490	478,144	479,032	463,309	457,842	439,203	445,223
2 Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation	129	165	130	132	228	252	285	264
3 Adjustment for fiduciary assets recognized on the balance sheet pursuant to the operative accounting framework but excluded from the leverage ratio exposure measure	-	-	-	-	-	-	-	-
4 Adjustment for derivative financial instruments	(12,412)	(12,067)	(13,209)	(16,662)	(11,609)	(14,614)	(13,040)	(19,828)
5 Adjustment for securities financing transactions (i.e. repos and similar secured lending)	1,772	1,135	860	1,005	1,167	1,100	1,488	973
6 Adjustment for off-balance sheet items (i.e. credit equivalent amounts of off-balance sheet exposures)	60,701	59,376	57,098	58,850	55,752	54,894	51,952	51,386
7 Other adjustments	(5,411)	(5,320)	(5,593)	(5,718)	(5,343)	(5,177)	(4,931)	(5,236)
<b>8 Leverage ratio exposure</b>	<b>546,136</b>	<b>537,779</b>	<b>517,430</b>	<b>516,639</b>	<b>503,504</b>	<b>494,297</b>	<b>474,957</b>	<b>472,782</b>

<sup>1</sup> Per OSFI's "Public Disclosure Requirements related to Basel III Leverage Ratio".





## RISK-WEIGHTED ASSETS

(\$ millions)		Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15	Q4/14
	RWA	Minimum total capital required <sup>2</sup>	RWA (All-in basis <sup>1</sup> )							
<b>Credit risk</b>										
<u>Standardized approach</u>										
Corporate	3,645	292	3,674	3,515	3,952	3,614	3,610	3,324	3,868	3,521
Sovereign	780	62	658	627	690	753	762	679	600	510
Banks	521	42	472	438	411	327	278	283	277	275
Real estate secured personal lending	2,181	174	2,144	2,075	2,373	2,213	2,241	2,078	2,207	1,959
Other retail	667	53	647	616	695	649	641	622	669	598
Trading book	123	10	105	70	67	10	1	1	15	12
	<b>7,917</b>	<b>633</b>	<b>7,700</b>	<b>7,341</b>	<b>8,188</b>	<b>7,566</b>	<b>7,533</b>	<b>6,987</b>	<b>7,636</b>	<b>6,875</b>
<u>AIRB approach</u>										
Corporate	64,856	5,188	65,185	64,496	63,157	58,917	57,054	53,858	52,962	50,425
Sovereign <sup>3</sup>	2,185	175	2,245	2,150	2,187	2,081	1,732	1,569	1,681	1,628
Banks	3,526	282	3,753	3,602	3,950	4,088	4,192	3,643	3,410	3,300
Real estate secured personal lending	12,115	969	11,497	10,483	10,242	10,477	10,409	9,697	9,048	9,253
Qualifying revolving retail	17,512	1,401	17,200	16,839	16,961	16,106	16,033	15,840	15,764	15,455
Other retail	7,813	625	7,738	7,596	7,334	7,272	7,462	6,739	6,590	6,486
Equity	705	56	693	717	726	725	763	719	801	713
Trading book	3,576	286	3,387	3,301	3,213	2,930	3,148	2,437	3,231	2,074
Securitization	2,218	177	2,290	1,981	2,108	2,011	2,063	2,046	2,096	1,887
Adjustment for scaling factor	6,860	549	6,830	6,660	6,582	6,266	6,161	5,782	5,723	5,456
	<b>121,366</b>	<b>9,708</b>	<b>120,818</b>	<b>117,825</b>	<b>116,460</b>	<b>110,873</b>	<b>109,017</b>	<b>102,330</b>	<b>101,306</b>	<b>96,677</b>
Other credit RWA	10,815	865	11,276	12,539	12,785	12,381	12,153	11,923	11,883	14,940
<b>Total credit risk (before adjustment for CVA phase-in) <sup>4</sup></b>	<b>140,098</b>	<b>11,206</b>	<b>139,794</b>	<b>137,705</b>	<b>137,433</b>	<b>130,820</b>	<b>128,703</b>	<b>121,240</b>	<b>120,825</b>	<b>118,492</b>
<b>Market risk (Internal Models and IRB Approach)</b>										
Value-at-risk (VaR)	881	70	911	1,346	790	719	719	896	813	678
Stressed VaR	1,623	130	1,729	2,019	1,978	2,051	2,075	2,581	2,051	1,759
Incremental risk charge	1,624	130	1,209	1,134	1,295	1,606	1,586	2,111	1,765	1,582
Securitization & other	47	4	86	15	27	32	42	20	124	27
<b>Total market risk</b>	<b>4,175</b>	<b>334</b>	<b>3,935</b>	<b>4,514</b>	<b>4,090</b>	<b>4,408</b>	<b>4,422</b>	<b>5,608</b>	<b>4,753</b>	<b>4,046</b>
<b>Operational risk</b>	<b>21,746</b>	<b>1,740</b>	<b>21,327</b>	<b>20,202</b>	<b>18,180</b>	<b>18,194</b>	<b>18,139</b>	<b>18,073</b>	<b>18,303</b>	<b>17,320</b>
<b>Total RWA before adjustment for CVA phase-in</b>	<b>A</b>	<b>166,019</b>	<b>13,280</b>	<b>165,056</b>	<b>162,421</b>	<b>159,703</b>	<b>153,422</b>	<b>151,264</b>	<b>144,921</b>	<b>143,881</b>
<b>CVA adjustment <sup>4</sup></b>										
CET1 RWA	<b>B</b>	<b>2,977</b>	<b>238</b>	<b>3,021</b>	<b>2,998</b>	<b>2,880</b>	<b>2,685</b>	<b>2,625</b>	<b>2,030</b>	<b>1,392</b>
Tier 1 RWA	<b>C</b>	<b>3,303</b>	<b>264</b>	<b>3,351</b>	<b>3,325</b>	<b>3,196</b>	<b>2,979</b>	<b>2,912</b>	<b>2,252</b>	<b>1,588</b>
Total RWA	<b>D</b>	<b>3,582</b>	<b>287</b>	<b>3,634</b>	<b>3,606</b>	<b>3,466</b>	<b>3,230</b>	<b>3,158</b>	<b>2,443</b>	<b>1,881</b>
<b>Total RWA after adjustments for CVA phase-in <sup>4</sup></b>										
CET1 capital RWA	<b>A+B</b>	<b>168,996</b>	<b>13,518</b>	<b>168,077</b>	<b>165,419</b>	<b>162,583</b>	<b>156,107</b>	<b>153,889</b>	<b>146,951</b>	<b>141,250</b>
Tier 1 capital RWA	<b>A+C</b>	<b>169,322</b>	<b>13,544</b>	<b>168,407</b>	<b>165,746</b>	<b>162,899</b>	<b>156,401</b>	<b>154,176</b>	<b>147,173</b>	<b>141,446</b>
Total capital RWA	<b>A+D</b>	<b>169,601</b>	<b>13,567</b>	<b>168,690</b>	<b>166,027</b>	<b>163,169</b>	<b>156,652</b>	<b>154,422</b>	<b>147,364</b>	<b>141,739</b>

<sup>1</sup> All-in is defined by OSFI as capital calculated to include all of the regulatory adjustments that will be required by 2019. Certain deductions from capital are phased in at 20% per year starting 2014. Transitional RWAs differ from RWAs on an all-in basis largely due to the risk weighting of amounts not yet deducted from capital under OSFI's transitional rules.

<sup>2</sup> Refers to the minimum standard established by the BCBS before the application of the capital conservation buffer and any other capital buffers including but not limited to the capital surcharge for global/domestic systemically important banks that may be established by regulators from time to time. It is calculated by multiplying RWA by 8%.

<sup>3</sup> Includes residential mortgages insured by Canadian Mortgage and Housing Corporation (CMHC), an agency of the government of Canada, and government guaranteed student loans.

<sup>4</sup> As a result of the option that CIBC chose for calculating the CVA capital charge, the calculation of CET1, Tier 1 and Total Capital ratios are based on different RWAs beginning in Q3/14. The charge will be phased-in during 2014-2019 and relates to bilateral OTC derivatives included in credit risk RWA.

## CHANGES IN CET1 RISK-WEIGHTED ASSETS (ALL-IN BASIS <sup>1</sup>)

(\$ millions)

	Q4/16 vs. Q3/16		Q3/16 vs. Q2/16		Q2/16 vs. Q1/16		Q1/16 vs. Q4/15	
	Credit risk	Of which counterparty credit risk <sup>2</sup>	Credit risk	Of which counterparty credit risk <sup>2</sup>	Credit risk	Of which counterparty credit risk <sup>2</sup>	Credit risk	Of which counterparty credit risk <sup>2</sup>
<b>Credit risk</b>								
Balance at beginning of period	142,815	8,684	140,703	8,653	140,313	8,494	133,505	7,898
Book size <sup>3</sup>	2,604	419	2,942	383	4,485	171	3,425	429
Book quality <sup>4</sup>	(1,507)	(160)	(542)	(217)	2,023	200	1,805	(231)
Model updates <sup>5</sup>	(169)	-	(33)	-	(609)	-	(789)	-
Methodology and policy <sup>6</sup>	-	-	-	-	-	-	-	-
Acquisitions and disposals	-	-	(1,712)	-	-	-	-	-
Foreign exchange movements	981	63	1,574	88	(4,887)	(291)	2,897	184
Other	(1,649)	(145)	(117)	(223)	(622)	79	(530)	214
Balance at end of period <sup>7</sup>	143,075	8,861	142,815	8,684	140,703	8,653	140,313	8,494

	Q4/16 vs. Q3/16	Q3/16 vs. Q2/16	Q2/16 vs. Q1/16	Q1/16 vs. Q4/15
<b>Market risk</b>				
Balance at beginning of period	3,935	4,514	4,090	4,408
Movement in risk levels <sup>8</sup>	347	(564)	204	(255)
Model updates <sup>5</sup>	(46)	-	-	-
Methodology and policy <sup>6</sup>	-	5	-	-
Acquisitions and disposals	-	-	-	-
Foreign exchange movements	(61)	(20)	220	(63)
Other	-	-	-	-
Balance at end of period	4,175	3,935	4,514	4,090

	Q4/16 vs. Q3/16	Q3/16 vs. Q2/16	Q2/16 vs. Q1/16	Q1/16 vs. Q4/15
<b>Operational risk</b>				
Balance at beginning of period	21,327	20,202	18,180	18,194
Movement in risk levels <sup>9</sup>	419	62	673	-
Methodology and policy <sup>6</sup>	-	1,063	1,349	(14)
Acquisitions and disposals	-	-	-	-
Balance at end of period	21,746	21,327	20,202	18,180

<sup>1</sup> All-in is defined by OSFI as capital calculated to include all of the regulatory adjustments that will be required by 2019, but retaining the phase-out rules for non-qualifying capital instruments.

<sup>2</sup> Comprises derivatives and repo-style transactions.

<sup>3</sup> Relates to net increase/decrease in the underlying exposures.

<sup>4</sup> Relates to changes in credit risk mitigation and credit quality of the borrower/counterparty.

<sup>5</sup> Relates to internal model or parameter changes.

<sup>6</sup> Relates to regulatory changes implemented on an industry wide basis (i.e. Basel III) and any capital methodology changes implemented within CIBC for our portfolios.

<sup>7</sup> Includes \$2,977 million (Q3/16: \$3,021 million) of CET1 CVA RWAs relating to bilateral OTC derivatives.

<sup>8</sup> Relates to changes in open positions and market data.

<sup>9</sup> Relates to changes in loss experience, business environment, internal control factors and revenue.

## CREDIT EXPOSURE (EXPOSURE AT DEFAULT <sup>1</sup>)

(\$ millions)

	Q4/16		Q3/16		Q2/16		Q1/16		Q4/15		Q3/15		Q2/15		Q1/15	
	AIRB approach	Standardized approach	AIRB approach	Standardized approach	AIRB approach	Standardized approach	AIRB approach	Standardized approach	AIRB approach	Standardized approach	AIRB approach	Standardized approach	AIRB approach	Standardized approach	AIRB approach	Standardized approach
<b>Business and government portfolios</b>																
<b>Corporate</b>																
Drawn	72,807	3,370	72,146	3,126	69,382	3,086	68,379	3,467	64,578	3,190	62,323	3,277	58,330	3,058	57,802	3,322
Undrawn commitments	36,845	145	37,054	86	36,304	86	38,239	135	37,496	112	36,337	140	35,665	130	35,039	406
Repo-style transactions	53,644	33	51,372	10	49,798	14	35,900	3	31,447	12	26,617	10	34,404	14	29,591	36
Other off-balance sheet	18,350	229	15,175	440	13,336	443	10,585	504	15,694	462	14,978	354	14,315	331	11,931	337
OTC derivatives	9,001	-	8,180	-	7,870	-	8,257	-	7,481	-	8,489	-	7,002	-	9,235	-
	<b>190,647</b>	<b>3,777</b>	<b>183,927</b>	<b>3,662</b>	<b>176,690</b>	<b>3,629</b>	<b>161,360</b>	<b>4,109</b>	<b>156,696</b>	<b>3,776</b>	<b>148,744</b>	<b>3,781</b>	<b>149,716</b>	<b>3,533</b>	<b>143,598</b>	<b>4,101</b>
<b>Sovereign</b>																
Drawn	44,055	4,773	38,454	4,740	36,908	4,498	38,940	5,167	37,498	5,204	36,560	5,243	22,705	4,720	22,606	4,931
Undrawn commitments	4,670	-	4,830	-	4,817	-	4,779	-	4,812	-	4,480	-	5,018	-	4,868	-
Repo-style transactions	10,020	-	6,522	-	7,588	-	5,699	-	7,410	-	6,059	-	9,830	-	6,416	-
Other off-balance sheet	753	-	803	-	759	-	742	-	884	-	735	-	582	-	561	-
OTC derivatives	3,581	-	3,893	-	3,855	-	4,559	-	3,666	-	4,365	-	2,370	-	4,049	-
	<b>63,079</b>	<b>4,773</b>	<b>54,502</b>	<b>4,740</b>	<b>53,927</b>	<b>4,498</b>	<b>54,719</b>	<b>5,167</b>	<b>54,270</b>	<b>5,204</b>	<b>52,199</b>	<b>5,243</b>	<b>40,505</b>	<b>4,720</b>	<b>38,500</b>	<b>4,931</b>
<b>Banks</b>																
Drawn	10,715	1,940	13,894	1,847	11,488	1,717	13,081	1,778	12,889	1,374	12,991	1,277	11,325	1,172	10,150	1,171
Undrawn commitments	1,011	-	1,036	-	889	-	1,002	-	877	-	828	-	976	-	976	-
Repo-style transactions	22,720	-	22,386	-	22,741	-	30,807	-	33,800	-	37,011	-	34,698	-	34,055	2
Other off-balance sheet	62,107	-	59,315	-	59,184	-	58,833	-	61,022	-	68,321	-	68,572	-	66,980	-
OTC derivatives	6,005	167	5,900	211	5,304	56	5,759	168	5,153	26	4,895	14	5,137	12	7,219	32
	<b>102,558</b>	<b>2,107</b>	<b>102,531</b>	<b>2,058</b>	<b>99,606</b>	<b>1,773</b>	<b>109,482</b>	<b>1,946</b>	<b>113,741</b>	<b>1,400</b>	<b>124,046</b>	<b>1,291</b>	<b>120,708</b>	<b>1,184</b>	<b>119,380</b>	<b>1,205</b>
<b>Gross business and government portfolios</b>	<b>356,284</b>	<b>10,657</b>	<b>340,960</b>	<b>10,460</b>	<b>330,223</b>	<b>9,900</b>	<b>325,561</b>	<b>11,222</b>	<b>324,707</b>	<b>10,380</b>	<b>324,989</b>	<b>10,315</b>	<b>310,929</b>	<b>9,437</b>	<b>301,478</b>	<b>10,237</b>
Less: Repo-style transaction collateral	76,263	-	71,017	-	71,646	-	62,423	-	64,407	-	60,966	-	69,730	-	62,203	-
<b>Net business and government portfolios</b>	<b>280,021</b>	<b>10,657</b>	<b>269,943</b>	<b>10,460</b>	<b>258,577</b>	<b>9,900</b>	<b>263,138</b>	<b>11,222</b>	<b>260,300</b>	<b>10,380</b>	<b>264,023</b>	<b>10,315</b>	<b>241,199</b>	<b>9,437</b>	<b>239,275</b>	<b>10,237</b>
<b>Retail portfolios</b>																
<b>Real estate secured personal lending</b>																
Drawn	201,580	2,645	195,464	2,579	189,218	2,474	185,953	2,802	182,779	2,602	178,772	2,609	175,255	2,419	173,451	2,561
Undrawn commitments	18,375	-	24,050	-	22,743	-	21,176	-	21,396	-	21,015	-	22,907	-	21,429	-
	<b>219,955</b>	<b>2,645</b>	<b>219,514</b>	<b>2,579</b>	<b>211,961</b>	<b>2,474</b>	<b>207,129</b>	<b>2,802</b>	<b>204,175</b>	<b>2,602</b>	<b>199,787</b>	<b>2,609</b>	<b>198,162</b>	<b>2,419</b>	<b>194,880</b>	<b>2,561</b>
<b>Qualifying revolving retail</b>																
Drawn	21,597	-	21,139	-	20,661	-	20,596	-	20,435	-	20,099	-	19,726	-	19,519	-
Undrawn commitments	47,140	-	46,887	-	46,545	-	45,956	-	44,983	-	44,772	-	46,662	-	46,277	-
Other off-balance sheet	319	-	308	-	281	-	265	-	304	-	303	-	284	-	249	-
	<b>69,056</b>	<b>-</b>	<b>68,334</b>	<b>-</b>	<b>67,487</b>	<b>-</b>	<b>66,817</b>	<b>-</b>	<b>65,722</b>	<b>-</b>	<b>65,174</b>	<b>-</b>	<b>66,672</b>	<b>-</b>	<b>66,045</b>	<b>-</b>
<b>Other retail</b>																
Drawn	9,671	794	9,616	766	9,490	726	9,221	813	9,268	762	9,361	751	9,184	731	8,890	778
Undrawn commitments	2,026	26	1,999	26	1,975	25	1,910	27	1,888	26	1,839	26	1,588	24	1,588	25
Other off-balance sheet	32	-	32	-	32	-	38	-	36	-	36	-	37	-	44	-
	<b>11,729</b>	<b>820</b>	<b>11,647</b>	<b>792</b>	<b>11,497</b>	<b>751</b>	<b>11,169</b>	<b>840</b>	<b>11,192</b>	<b>788</b>	<b>11,236</b>	<b>777</b>	<b>10,809</b>	<b>755</b>	<b>10,522</b>	<b>803</b>
<b>Total retail portfolios</b>	<b>300,740</b>	<b>3,465</b>	<b>299,495</b>	<b>3,371</b>	<b>290,945</b>	<b>3,225</b>	<b>285,115</b>	<b>3,642</b>	<b>281,089</b>	<b>3,390</b>	<b>276,197</b>	<b>3,386</b>	<b>275,643</b>	<b>3,174</b>	<b>271,447</b>	<b>3,364</b>
<b>Securitization exposures</b>	<b>18,863</b>	<b>-</b>	<b>18,748</b>	<b>-</b>	<b>17,577</b>	<b>-</b>	<b>18,868</b>	<b>-</b>	<b>15,876</b>	<b>-</b>	<b>15,937</b>	<b>-</b>	<b>14,968</b>	<b>-</b>	<b>15,531</b>	<b>-</b>
<b>Gross credit exposure</b>	<b>675,887</b>	<b>14,122</b>	<b>659,203</b>	<b>13,831</b>	<b>638,745</b>	<b>13,125</b>	<b>629,544</b>	<b>14,864</b>	<b>621,672</b>	<b>13,770</b>	<b>617,123</b>	<b>13,701</b>	<b>601,540</b>	<b>12,611</b>	<b>588,456</b>	<b>13,601</b>
Less: Repo-style transaction collateral	76,263	-	71,017	-	71,646	-	62,423	-	64,407	-	60,966	-	69,730	-	62,203	-
<b>Net credit exposure</b>	<b>599,624</b>	<b>14,122</b>	<b>588,186</b>	<b>13,831</b>	<b>567,099</b>	<b>13,125</b>	<b>567,121</b>	<b>14,864</b>	<b>557,265</b>	<b>13,770</b>	<b>556,157</b>	<b>13,701</b>	<b>531,810</b>	<b>12,611</b>	<b>526,253</b>	<b>13,601</b>

<sup>1</sup> Gross credit exposure after credit valuation adjustments for financial guarantors, and before allowance for credit losses.

## CREDIT EXPOSURE - GEOGRAPHIC CONCENTRATION <sup>1</sup>

(\$ millions)

	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15	Q4/14
<b>Business and government</b>									
<b>Canada</b>									
Drawn	75,116	74,422	70,482	70,148	63,894	58,604	55,082	57,669	54,544
Undrawn commitments	32,082	32,578	31,863	32,279	32,085	30,871	30,930	30,171	30,552
Repo-style transactions	7,497	4,336	4,430	5,369	3,227	3,497	4,823	4,053	2,671
Other off-balance sheet	54,925	49,518	46,711	44,658	51,269	54,703	55,576	56,712	48,962
OTC derivatives	8,887	8,722	8,424	10,610	9,050	10,870	8,030	12,778	6,589
	<b>178,507</b>	<b>169,576</b>	<b>161,910</b>	<b>163,064</b>	<b>159,525</b>	<b>158,545</b>	<b>154,441</b>	<b>161,383</b>	<b>143,318</b>
<b>United States</b>									
Drawn	38,792	37,999	35,069	38,836	41,846	43,365	28,392	24,773	22,699
Undrawn commitments	7,923	7,937	7,556	8,355	7,589	7,407	7,633	7,969	6,875
Repo-style transactions	1,675	4,181	3,342	4,007	4,323	4,562	3,614	3,244	2,910
Other off-balance sheet	21,077	20,510	19,007	20,097	20,541	23,303	20,028	15,957	15,698
OTC derivatives	3,885	3,077	2,649	2,352	2,386	2,226	2,271	1,907	1,670
	<b>73,352</b>	<b>73,704</b>	<b>67,623</b>	<b>73,647</b>	<b>76,685</b>	<b>80,863</b>	<b>61,938</b>	<b>53,850</b>	<b>49,852</b>
<b>Europe</b>									
Drawn	5,244	4,602	4,497	5,119	3,882	4,099	3,799	2,985	2,707
Undrawn commitments	1,725	1,661	1,674	2,539	2,587	2,531	2,066	1,595	1,708
Repo-style transactions	460	572	485	451	496	478	575	473	270
Other off-balance sheet	4,717	4,761	7,052	4,855	5,082	5,553	7,291	6,510	3,420
OTC derivatives	3,687	3,726	3,694	4,007	3,642	3,127	3,030	4,416	3,111
	<b>15,833</b>	<b>15,322</b>	<b>17,402</b>	<b>16,971</b>	<b>15,689</b>	<b>15,788</b>	<b>16,761</b>	<b>15,979</b>	<b>11,216</b>
<b>Other countries</b>									
Drawn	8,425	7,471	7,730	6,297	5,343	5,806	5,087	5,131	4,543
Undrawn commitments	796	744	917	847	924	836	1,030	1,148	1,020
Repo-style transactions	489	174	224	156	204	184	190	89	133
Other off-balance sheet	491	504	509	550	708	475	574	293	524
OTC derivatives	2,128	2,448	2,262	1,606	1,222	1,526	1,178	1,402	1,256
	<b>12,329</b>	<b>11,341</b>	<b>11,642</b>	<b>9,456</b>	<b>8,401</b>	<b>8,827</b>	<b>8,059</b>	<b>8,063</b>	<b>7,476</b>
	<b>280,021</b>	<b>269,943</b>	<b>258,577</b>	<b>263,138</b>	<b>260,300</b>	<b>264,023</b>	<b>241,199</b>	<b>239,275</b>	<b>211,862</b>

<sup>1</sup> This table provides information of our business and government exposures under the AIRB approach. Substantially all our retail exposures under the AIRB approach are based in Canada. Gross credit exposure after credit valuation adjustments for financial guarantors, and before allowance for credit losses.

## CREDIT EXPOSURE - MATURITY PROFILE <sup>1</sup>

(\$ millions)

	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15	Q4/14
<b>Business and government portfolios</b>									
<b>Corporate</b>									
Less than 1 year <sup>2</sup>	57,633	55,488	50,532	47,050	47,455	48,044	45,367	42,823	34,654
1 - 3 years	46,676	44,333	42,794	43,718	41,773	39,223	36,976	37,537	35,826
3 - 5 years	36,411	36,344	36,729	37,930	36,547	35,775	35,217	34,690	31,806
Over 5 years	2,108	1,638	1,272	1,447	1,454	1,210	989	1,226	936
	<b>142,828</b>	<b>137,803</b>	<b>131,327</b>	<b>130,145</b>	<b>127,229</b>	<b>124,252</b>	<b>118,549</b>	<b>116,276</b>	<b>103,222</b>
<b>Sovereign</b>									
Less than 1 year <sup>2</sup>	15,277	14,571	13,966	15,493	20,291	29,199	18,566	15,757	13,997
1 - 3 years	16,886	15,951	15,129	16,780	15,559	10,932	6,692	7,430	5,959
3 - 5 years	20,131	16,302	16,196	15,175	9,802	4,719	5,435	8,834	7,935
Over 5 years	1,504	1,581	1,545	1,939	1,607	1,564	673	803	719
	<b>53,798</b>	<b>48,405</b>	<b>46,836</b>	<b>49,387</b>	<b>47,259</b>	<b>46,414</b>	<b>31,366</b>	<b>32,824</b>	<b>28,610</b>
<b>Banks</b>									
Less than 1 year <sup>2</sup>	69,199	67,043	67,425	69,690	72,018	79,922	78,454	77,851	69,453
1 - 3 years	9,042	8,787	10,504	11,174	9,414	9,442	9,430	8,611	6,992
3 - 5 years	4,627	7,396	1,573	1,710	3,354	2,997	1,940	2,028	2,109
Over 5 years	527	509	912	1,032	1,026	996	1,460	1,685	1,476
	<b>83,395</b>	<b>83,735</b>	<b>80,414</b>	<b>83,606</b>	<b>85,812</b>	<b>93,357</b>	<b>91,284</b>	<b>90,175</b>	<b>80,030</b>
<b>Total business and government portfolios</b>	<b>280,021</b>	<b>269,943</b>	<b>258,577</b>	<b>263,138</b>	<b>260,300</b>	<b>264,023</b>	<b>241,199</b>	<b>239,275</b>	<b>211,862</b>
<b>Retail portfolios</b>									
<b>Real estate and secured personal lending</b>									
Less than 1 year <sup>2</sup>	69,027	75,233	75,821	76,395	80,552	79,913	78,995	71,987	69,029
1 - 3 years	78,550	71,028	62,362	57,985	54,158	55,112	57,629	63,986	68,559
3 - 5 years	70,880	71,746	72,266	71,271	68,117	63,600	60,341	57,612	54,480
Over 5 years	1,498	1,507	1,512	1,478	1,348	1,162	1,197	1,295	1,472
	<b>219,955</b>	<b>219,514</b>	<b>211,961</b>	<b>207,129</b>	<b>204,175</b>	<b>199,787</b>	<b>198,162</b>	<b>194,880</b>	<b>193,540</b>
<b>Qualifying revolving retail</b>									
Less than 1 year <sup>2</sup>	69,056	68,334	67,487	66,817	65,722	65,174	66,672	66,045	64,681
	<b>69,056</b>	<b>68,334</b>	<b>67,487</b>	<b>66,817</b>	<b>65,722</b>	<b>65,174</b>	<b>66,672</b>	<b>66,045</b>	<b>64,681</b>
<b>Other retail</b>									
Less than 1 year <sup>2</sup>	11,242	11,204	11,092	10,785	10,813	10,804	10,344	10,096	9,933
1 - 3 years	180	210	210	211	214	271	301	261	278
3 - 5 years	130	116	109	104	108	108	109	109	108
Over 5 years	177	117	86	69	57	53	55	56	57
	<b>11,729</b>	<b>11,647</b>	<b>11,497</b>	<b>11,169</b>	<b>11,192</b>	<b>11,236</b>	<b>10,809</b>	<b>10,522</b>	<b>10,376</b>
<b>Total retail portfolios</b>	<b>300,740</b>	<b>299,495</b>	<b>290,945</b>	<b>285,115</b>	<b>281,089</b>	<b>276,197</b>	<b>275,643</b>	<b>271,447</b>	<b>268,597</b>
<b>Total credit exposure</b>	<b>580,761</b>	<b>569,438</b>	<b>549,522</b>	<b>548,253</b>	<b>541,389</b>	<b>540,220</b>	<b>516,842</b>	<b>510,722</b>	<b>480,459</b>

<sup>1</sup> Excludes securitization exposures.

<sup>2</sup> Demand loans are included in the "Less than 1 year" category.

## CREDIT RISK ASSOCIATED WITH DERIVATIVES

(\$ millions)	Q4/16			Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15	Q4/14	
	Current replacement cost			Credit equivalent amount <sup>1</sup>	Risk-weighted amount								
	Trading	ALM	Total										
<b>Interest rate derivatives</b>													
Over-the-counter													
Forward rate agreements	13	-	13	32	2	22	14	-	8	28	10	10	4
Swap contracts	11,501	737	12,238	5,075	915	1,100	926	1,013	884	851	758	960	637
Purchased options	181	8	189	36	13	21	20	15	26	16	18	14	10
	<b>11,695</b>	<b>745</b>	<b>12,440</b>	<b>5,143</b>	<b>930</b>	<b>1,143</b>	<b>960</b>	<b>1,028</b>	<b>918</b>	<b>895</b>	<b>786</b>	<b>984</b>	<b>651</b>
Exchange-traded	-	-	-	72	2	1	1	2	3	2	1	3	2
<b>Total interest rate derivatives</b>	<b>11,695</b>	<b>745</b>	<b>12,440</b>	<b>5,215</b>	<b>932</b>	<b>1,144</b>	<b>961</b>	<b>1,030</b>	<b>921</b>	<b>897</b>	<b>787</b>	<b>987</b>	<b>653</b>
<b>Foreign exchange derivatives</b>													
Over-the-counter													
Forward contracts	3,693	228	3,921	3,356	900	732	874	911	668	814	637	1,010	528
Swap contracts	5,914	2,347	8,261	3,734	673	653	603	653	656	600	478	571	497
Purchased options	310	-	310	358	123	144	217	222	173	230	158	260	108
	<b>9,917</b>	<b>2,575</b>	<b>12,492</b>	<b>7,448</b>	<b>1,696</b>	<b>1,529</b>	<b>1,694</b>	<b>1,786</b>	<b>1,497</b>	<b>1,644</b>	<b>1,273</b>	<b>1,841</b>	<b>1,133</b>
<b>Credit derivatives</b>													
Over-the-counter													
Credit default swap contracts - protection purchased	141	1	142	146	7	8	9	12	14	18	44	41	46
Credit default swap contracts - protection sold	-	-	-	-	-	-	-	-	-	-	9	6	18
	<b>141</b>	<b>1</b>	<b>142</b>	<b>146</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>12</b>	<b>14</b>	<b>18</b>	<b>53</b>	<b>47</b>	<b>64</b>
<b>Equity derivatives</b>													
Over-the-counter	385	3	388	1,912	379	300	306	254	254	235	201	219	141
Exchange-traded	742	-	742	1,648	49	45	45	32	36	14	17	16	16
	<b>1,127</b>	<b>3</b>	<b>1,130</b>	<b>3,560</b>	<b>428</b>	<b>345</b>	<b>351</b>	<b>286</b>	<b>290</b>	<b>249</b>	<b>218</b>	<b>235</b>	<b>157</b>
<b>Precious metal derivatives</b>													
Over-the-counter	32	-	32	30	17	15	10	6	6	7	7	8	2
Exchange-traded	38	-	38	4	-	-	5	3	8	2	-	-	1
	<b>70</b>	<b>-</b>	<b>70</b>	<b>34</b>	<b>17</b>	<b>15</b>	<b>15</b>	<b>9</b>	<b>14</b>	<b>9</b>	<b>7</b>	<b>8</b>	<b>3</b>
<b>Other commodity derivatives</b>													
Over-the-counter	1,365	-	1,365	2,254	1,025	888	743	524	616	682	442	526	438
Exchange-traded	123	-	123	969	39	43	64	68	77	30	30	30	44
	<b>1,488</b>	<b>-</b>	<b>1,488</b>	<b>3,223</b>	<b>1,064</b>	<b>931</b>	<b>807</b>	<b>592</b>	<b>693</b>	<b>712</b>	<b>472</b>	<b>556</b>	<b>482</b>
<b>Non-trade exposure related to central counterparties</b>					<b>286</b>	<b>225</b>	<b>443</b>	<b>437</b>	<b>347</b>	<b>440</b>	<b>350</b>	<b>343</b>	<b>281</b>
<b>CET1 CVA charge</b>					<b>2,977</b>	<b>3,021</b>	<b>2,998</b>	<b>2,880</b>	<b>2,685</b>	<b>2,625</b>	<b>2,030</b>	<b>2,673</b>	<b>1,392</b>
<b>Total derivatives before netting</b>	<b>24,438</b>	<b>3,324</b>	<b>27,762</b>	<b>19,626</b>	<b>7,407</b>	<b>7,218</b>	<b>7,278</b>	<b>7,032</b>	<b>6,461</b>	<b>6,594</b>	<b>5,190</b>	<b>6,690</b>	<b>4,165</b>
Less: effect of netting <sup>2</sup>			<b>(17,965)</b>										
<b>Total derivatives</b>			<b>9,797</b>	<b>19,626</b>	<b>7,407</b>	<b>7,218</b>	<b>7,278</b>	<b>7,032</b>	<b>6,461</b>	<b>6,594</b>	<b>5,190</b>	<b>6,690</b>	<b>4,165</b>

<sup>1</sup> Sum of current replacement cost and potential future exposure, adjusted for the master netting agreements and the impact of collateral amounting to \$3,940 million (Q3/16: \$4,032 million). The collateral comprises cash of \$2,683 million (Q3/16: \$2,622 million) and government securities of \$1,257 million (Q3/16: \$1,410 million).

<sup>2</sup> Comprises amounts subject to set off under enforceable netting agreements, such as ISDA agreements, derivative exchange or clearing counterparty agreements, global master repurchase agreements, and global master securities lending agreements. Under such arrangements, all outstanding transactions governed by the relevant agreement can be offset if an event of default or other predetermined event occurs.

# CREDIT QUALITY OF AIRB EXPOSURE - BUSINESS AND GOVERNMENT PORTFOLIOS (RISK RATING METHOD) <sup>1</sup>

(\$ millions)

CIBC rating	PD bands	Standard & Poor's equivalent	Moody's Investors Service equivalent	Q4/16							Q3/16												
				EAD	Notional of undrawn commitments	Exposure weighted-average EAD %	Exposure weighted-average PD %	Exposure weighted-average LGD %	Exposure weighted-average risk weight %	RWA	EAD	Notional of undrawn commitments	Exposure weighted-average EAD %	Exposure weighted-average PD %	Exposure weighted-average LGD %	Exposure weighted-average risk weight %	RWA						
				<b>Corporate</b>	<b>Investment grade</b>	10	0.03%-0.03%	AAA	Aaa	2,092	47	71	0.02	16	4	83	1,755	12	78	0.02	15	4	78
		21	0.03%-0.03%	AA+	Aa1	486	272	64	0.03	20	5	27	511	270	67	0.03	20	5	27				
		24	0.04%-0.05%	AA	Aa2	6,717	764	65	0.04	7	2	104	11,248	800	67	0.04	7	1	150				
		27	0.05%-0.06%	AA-	Aa3	10,783	1,095	64	0.05	13	4	381	1,956	1,281	67	0.05	44	15	296				
		31	0.07%-0.09%	A+	A1	3,943	1,564	65	0.08	34	20	781	4,527	1,416	67	0.08	38	21	942				
		34	0.09%-0.12%	A	A2	5,966	2,563	66	0.10	38	25	1,473	5,244	2,378	68	0.10	41	27	1,416				
		37	0.13%-0.16%	A-	A3	11,001	6,011	65	0.13	40	33	3,578	11,923	5,836	67	0.13	41	32	3,817				
		41	0.15%-0.22%	BBB+	Baa1	19,020	10,077	66	0.17	43	41	7,781	17,928	9,950	68	0.17	43	41	7,356				
		44	0.19%-0.30%	BBB	Baa2	12,830	5,820	67	0.25	43	46	5,929	12,752	5,400	70	0.25	43	46	5,876				
		47	0.31%-0.38%	BBB-	Baa3	16,196	8,689	67	0.34	40	52	8,471	15,942	8,388	69	0.34	41	54	8,540				
						<b>89,034</b>	<b>36,902</b>	<b>66</b>	<b>0.17</b>	<b>34</b>	<b>32</b>	<b>28,608</b>	<b>83,786</b>	<b>35,731</b>	<b>68</b>	<b>0.18</b>	<b>36</b>	<b>34</b>	<b>28,498</b>				
		<b>Non-investment grade</b>				51	0.39%-0.61%	BB+	Ba1	13,072	5,885	54	0.53	36	56	7,325	12,598	5,327	58	0.53	36	56	7,108
						54	0.62%-1.09%	BB	Ba2	13,883	6,981	54	0.74	33	58	8,089	13,097	6,591	59	0.74	34	60	7,849
						57	1.10%-1.92%	BB-	Ba3	10,187	4,496	56	1.34	34	71	7,219	10,282	4,200	60	1.35	34	71	7,269
						61	1.93%-3.69%	B+	B1	6,899	2,634	57	2.19	32	72	4,956	7,217	2,736	60	2.21	31	70	5,059
						64	3.70%-7.27%	B	B2	4,158	1,158	58	4.40	34	94	3,923	4,365	1,198	62	4.47	33	93	4,056
						67	7.28%-12.11%	B-	B3	1,131	270	56	9.18	33	123	1,389	1,270	336	57	9.23	33	125	1,589
										<b>49,330</b>	<b>21,424</b>	<b>55</b>	<b>1.51</b>	<b>34</b>	<b>67</b>	<b>32,901</b>	<b>48,829</b>	<b>20,388</b>	<b>59</b>	<b>1.59</b>	<b>34</b>	<b>67</b>	<b>32,930</b>
		<b>Watch list</b>				70	12.12%-20.67%	CCC+	Caa1	981	536	52	18.26	32	159	1,562	1,286	579	57	17.99	25	124	1,594
						75	12.12%-20.67%	CCC to CCC-	Caa2 to Caa3	59	6	43	17.03	37	178	104	95	6	46	17.03	33	158	149
						80	20.68%-99.99%	CC to C	Ca	929	480	52	33.14	24	126	1,169	838	325	56	33.29	21	115	963
										<b>1,969</b>	<b>1,022</b>	<b>52</b>	<b>25.25</b>	<b>28</b>	<b>144</b>	<b>2,835</b>	<b>2,219</b>	<b>910</b>	<b>57</b>	<b>23.73</b>	<b>24</b>	<b>122</b>	<b>2,706</b>
		<b>Default</b>				90	100.00%	D	C	803	25	56	100.00	28	193	1,546	843	35	48	100.00	35	208	1,753
										<b>803</b>	<b>25</b>	<b>56</b>	<b>100.00</b>	<b>28</b>	<b>193</b>	<b>1,546</b>	<b>843</b>	<b>35</b>	<b>48</b>	<b>100.00</b>	<b>35</b>	<b>208</b>	<b>1,753</b>
										<b>141,136</b>	<b>59,373</b>	<b>62</b>	<b>1.56</b>	<b>34</b>	<b>47</b>	<b>65,890</b>	<b>135,677</b>	<b>57,064</b>	<b>65</b>	<b>1.69</b>	<b>35</b>	<b>49</b>	<b>65,887</b>
		<b>Sovereign</b>																					
		<b>Investment grade</b>				00	0.01%-0.015%	AAA	Aaa	29,710	187	65	0.01	5	1	249	25,197	187	67	0.01	5	1	190
						10	0.016%-0.025%	AAA	Aaa	12,993	1,379	64	0.02	14	3	401	11,908	1,080	67	0.02	14	3	362
						21	0.016%-0.025%	AA+	Aa1	3,895	1,481	63	0.02	11	2	84	4,282	1,568	66	0.02	13	2	89
						24	0.016%-0.025%	AA	Aa2	1,978	413	67	0.02	39	7	146	1,474	313	75	0.02	39	9	129
						27	0.026%-0.035%	AA-	Aa3	1,283	1,183	67	0.03	17	5	63	1,343	1,213	69	0.03	19	6	74
						31	0.036%-0.05%	A+	A1	1,008	795	68	0.04	23	7	74	1,054	758	69	0.04	22	7	75
						34	0.06%-0.065%	A	A2	938	698	66	0.05	16	7	62	1,048	735	70	0.05	19	7	74
						37	0.066%-0.08%	A-	A3	332	313	67	0.09	16	11	37	405	406	68	0.09	21	12	51
						41	0.09%-0.16%	BBB+	Baa1	613	435	66	0.15	15	11	66	863	631	68	0.15	25	25	214
						44	0.16%-0.26%	BBB	Baa2	116	35	71	0.25	49	45	52	136	34	80	0.25	46	39	53
						47	0.27%-0.42%	BBB-	Baa3	150	60	73	0.35	41	50	75	101	39	81	0.35	52	65	66
										<b>53,016</b>	<b>6,979</b>	<b>66</b>	<b>0.02</b>	<b>10</b>	<b>2</b>	<b>1,309</b>	<b>47,811</b>	<b>6,964</b>	<b>68</b>	<b>0.02</b>	<b>11</b>	<b>3</b>	<b>1,377</b>
		<b>Non-investment grade</b>				51	0.43%-0.61%	BB+	Ba1	38	29	56	0.55	51	77	29	36	38	62	0.55	42	57	20
						54	0.62%-1.09%	BB	Ba2	714	179	36	0.76	4	6	41	525	116	40	0.76	6	8	42
						57	1.10%-1.92%	BB-	Ba3	14	4	66	1.45	21	45	6	16	3	71	1.45	26	56	9
						61	1.93%-3.99%	B+	B1	4	-	-	2.54	22	58	2	4	-	-	2.54	22	58	2
						64	4.00%-7.27%	B	B2	6	-	-	6.23	32	116	7	5	-	-	6.23	31	114	6
						67	7.28%-12.11%	B-	B3	2	-	-	9.77	80	389	6	2	-	-	9.77	79	387	6
										<b>778</b>	<b>212</b>	<b>39</b>	<b>0.83</b>	<b>7</b>	<b>12</b>	<b>91</b>	<b>588</b>	<b>157</b>	<b>46</b>	<b>0.85</b>	<b>9</b>	<b>15</b>	<b>85</b>
		<b>Watch list</b>				70	12.12%-20.67%	CCC+	Caa1	2	-	-	17.03	94	482	11	3	-	-	17.03	89	409	12
						75	12.12%-20.67%	CCC to CCC-	Caa2 to Caa3	2	3	67	17.03	25	119	2	2	3	69	17.03	25	128	2
						80	20.68%-99.99%	CC to C	Ca	-	-	-	-	-	-	-	-	-	-	-	-	-	-
										<b>4</b>	<b>3</b>	<b>67</b>	<b>17.03</b>	<b>65</b>	<b>325</b>	<b>13</b>	<b>5</b>	<b>3</b>	<b>70</b>	<b>17.03</b>	<b>64</b>	<b>300</b>	<b>14</b>
		<b>Default</b>				90	100.00%	D	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-
										<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
										<b>53,798</b>	<b>7,194</b>	<b>65</b>	<b>0.03</b>	<b>10</b>	<b>3</b>	<b>1,413</b>	<b>48,404</b>	<b>7,124</b>	<b>68</b>	<b>0.03</b>	<b>11</b>	<b>3</b>	<b>1,476</b>

For footnotes, see page 16.





# CREDIT QUALITY OF AIRB EXPOSURE - BUSINESS AND GOVERNMENT PORTFOLIOS (RISK RATING METHOD) (continued) <sup>1</sup>

(\$ millions)

				Q4/16						Q3/16									
CIBC rating	Banks	PD bands	Standard & Poor's equivalent	Moody's Investors Service equivalent	EAD	Notional of undrawn commitments	Exposure weighted-average EAD %	Exposure weighted-average PD %	Exposure weighted-average LGD %	Exposure weighted-average risk weight %	RWA	EAD	Notional of undrawn commitments	Exposure weighted-average EAD %	Exposure weighted-average PD %	Exposure weighted-average LGD %	Exposure weighted-average risk weight %	RWA	
<b>Investment grade</b>																			
10		0.03%-0.03%	AAA	Aaa	2,002	-	-	0.02	19	5	95	5,233	-	-	0.01	10	2	130	
21		0.03%-0.03%	AA+	Aa1	42	82	-	0.03	22	8	3	21	86	-	0.04	41	14	3	
24		0.04%-0.05%	AA	Aa2	33,810	-	-	0.04	7	1	431	31,882	-	-	0.04	7	1	430	
27		0.05%-0.06%	AA-	Aa3	4,833	-	-	0.05	21	8	372	10,093	-	-	0.05	16	4	434	
31		0.07%-0.09%	A+	A1	12,122	50	65	0.08	20	8	957	9,932	50	68	0.08	18	7	709	
34		0.09%-0.12%	A	A2	13,543	72	65	0.10	7	4	524	9,416	71	67	0.10	10	6	537	
37		0.13%-0.16%	A-	A3	7,619	497	64	0.13	14	8	602	8,112	447	67	0.13	14	9	711	
41		0.17%-0.22%	BBB+	Baa1	5,334	232	65	0.17	12	10	532	2,955	280	67	0.17	15	11	313	
44		0.23%-0.30%	BBB	Baa2	1,193	624	64	0.25	12	10	118	3,354	624	67	0.25	12	11	371	
47		0.31%-0.42%	BBB-	Baa3	1,195	12	97	0.35	14	17	202	758	-	-	0.35	19	21	163	
					<b>81,693</b>	<b>1,569</b>	<b>61</b>	<b>0.08</b>	<b>11</b>	<b>5</b>	<b>3,836</b>	<b>81,756</b>	<b>1,558</b>	<b>63</b>	<b>0.08</b>	<b>11</b>	<b>5</b>	<b>3,801</b>	
<b>Non-investment grade</b>																			
51		0.43%-0.61%	BB+	Ba1	383	81	54	0.55	26	34	129	148	78	59	0.55	39	57	84	
54		0.62%-1.09%	BB	Ba2	651	1	59	0.76	14	22	141	601	1	65	0.76	13	18	108	
57		1.10%-1.92%	BB-	Ba3	89	-	-	1.45	28	61	54	358	1	66	1.45	27	57	204	
61		1.93%-3.99%	B+	B1	172	8	53	2.54	14	38	66	162	1	74	2.54	11	25	41	
64		4.00%-7.27%	B	B2	403	-	-	6.23	14	50	201	709	3	64	6.23	17	61	434	
67		7.28%-12.11%	B-	B3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					<b>1,698</b>	<b>90</b>	<b>54</b>	<b>2.23</b>	<b>17</b>	<b>35</b>	<b>591</b>	<b>1,978</b>	<b>84</b>	<b>59</b>	<b>2.98</b>	<b>19</b>	<b>44</b>	<b>871</b>	
<b>Watch list</b>																			
70		12.12%-20.67%	CCC+	Caa1	1	-	-	17.03	23	109	1	-	-	-	-	-	-	-	
75		12.12%-20.67%	CCC to CCC-	Caa2 to Caa3	-	-	-	-	-	-	-	1	-	-	17.03	12	53	-	
80		20.68%-99.99%	CC to C	Ca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					<b>1</b>	<b>-</b>	<b>-</b>	<b>17.03</b>	<b>15</b>	<b>70</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>17.03</b>	<b>16</b>	<b>73</b>	<b>-</b>	
<b>Default</b>																			
90		100.00%	D	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					<b>83,392</b>	<b>1,659</b>	<b>61</b>	<b>0.12</b>	<b>11</b>	<b>5</b>	<b>4,428</b>	<b>83,735</b>	<b>1,642</b>	<b>63</b>	<b>0.15</b>	<b>11</b>	<b>6</b>	<b>4,672</b>	
					<b>278,326</b>	<b>68,226</b>	<b>62</b>	<b>0.83</b>	<b>23</b>	<b>26</b>	<b>71,731</b>	<b>267,816</b>	<b>65,830</b>	<b>65</b>	<b>0.91</b>	<b>23</b>	<b>27</b>	<b>72,035</b>	
<b>Commercial mortgages (Slotting approach)</b>																			
Strong					1,467	5	60	-	-	70	1,027	1,856	4	50	-	-	70	1,299	
Good					127	-	-	-	-	90	114	157	-	-	-	-	90	141	
Satisfactory					86	24	71	-	-	114	98	104	25	68	-	-	114	119	
Weak					8	-	-	-	-	250	20	5	-	-	-	-	260	13	
Default					7	-	-	-	-	-	-	5	-	-	-	-	-	-	
					<b>1,695</b>	<b>29</b>	<b>69</b>	<b>-</b>	<b>-</b>	<b>74</b>	<b>1,259</b>	<b>2,127</b>	<b>29</b>	<b>66</b>	<b>-</b>	<b>-</b>	<b>74</b>	<b>1,572</b>	
<b>Total business and government</b>					<b>280,021</b>	<b>68,255</b>	<b>62</b>	<b>-</b>	<b>-</b>	<b>26</b>	<b>72,990</b>	<b>269,943</b>	<b>65,859</b>	<b>65</b>	<b>-</b>	<b>-</b>	<b>27</b>	<b>73,607</b>	

For footnotes, see page 16.



# CREDIT QUALITY OF AIRB EXPOSURE - BUSINESS AND GOVERNMENT PORTFOLIOS (RISK RATING METHOD) <sup>1</sup>

(\$ millions)

CIBC rating	PD bands	Standard & Poor's equivalent	Moody's Investors Service equivalent	Q2/16							Q1/16							
				EAD	Notional of undrawn commitments	Exposure weighted-average	Exposure weighted-average	Exposure weighted-average	Exposure weighted-average	RWA	EAD	Notional of undrawn commitments	Exposure weighted-average	Exposure weighted-average	Exposure weighted-average	Exposure weighted-average	RWA	
						EAD %	PD %	LGD %	risk weight %				EAD %	PD %	LGD %	risk weight %		
<b>Corporate Investment grade</b>																		
10	0.03%-0.03%	AAA	Aaa	1,643	19	72	0.02	16	5	82	1,896	34	70	0.02	17	5	96	
21	0.03%-0.03%	AA+	Aa1	525	259	67	0.03	21	5	27	556	291	67	0.03	25	8	42	
24	0.04%-0.05%	AA	Aa2	9,626	873	67	0.04	7	2	149	8,112	992	67	0.04	11	2	162	
27	0.05%-0.06%	AA-	Aa3	2,610	1,715	67	0.05	41	15	379	2,530	1,951	67	0.05	38	15	387	
31	0.07%-0.09%	A+	A1	3,542	1,200	67	0.08	39	22	770	3,239	2,744	66	0.08	36	19	630	
34	0.09%-0.12%	A	A2	4,964	2,358	68	0.10	42	26	1,294	5,341	2,449	68	0.10	44	27	1,324	
37	0.13%-0.16%	A-	A3	10,540	5,366	67	0.13	42	34	3,537	9,113	5,993	67	0.13	43	36	3,311	
41	0.17%-0.22%	BBB+	Baa1	15,842	7,886	68	0.17	43	41	6,445	15,298	7,742	69	0.17	43	40	6,086	
44	0.23%-0.30%	BBB	Baa2	13,443	6,723	69	0.25	44	48	6,417	13,513	7,038	69	0.25	43	47	6,362	
47	0.31%-0.42%	BBB-	Baa3	14,473	7,904	69	0.34	41	54	7,818	13,297	7,429	69	0.34	39	51	6,789	
				77,208	34,303	68	0.18	37	35	26,918	72,895	36,663	68	0.18	38	35	25,189	
<b>Non-investment grade</b>																		
51	0.43%-0.61%	BB+	Ba1	11,443	5,531	58	0.53	37	58	6,688	11,929	6,768	58	0.53	36	57	6,852	
54	0.62%-1.09%	BB	Ba2	14,022	6,996	58	0.74	33	59	8,324	13,786	6,794	58	0.74	32	57	7,910	
57	1.10%-1.92%	BB-	Ba3	10,290	4,375	60	1.35	35	72	7,415	9,679	4,480	60	1.34	32	66	6,424	
61	1.93%-3.99%	B+	B1	7,260	2,775	60	2.23	31	73	5,288	6,405	2,408	60	2.19	31	71	4,568	
64	4.00%-7.27%	B	B2	4,323	1,162	62	4.47	33	92	3,985	4,209	1,379	62	4.43	31	85	3,559	
67	7.28%-12.11%	B-	B3	946	291	59	8.98	31	113	1,065	836	254	60	8.92	36	130	1,088	
				48,284	21,130	59	1.54	34	68	32,765	46,844	22,083	59	1.49	33	65	30,401	
<b>Watch list</b>																		
70	12.12%-20.67%	CCC+	Caa1	1,161	422	56	18.01	26	131	1,517	904	88	51	18.31	23	110	995	
75	12.12%-20.67%	CCC to CCC-	Caa2 to Caa3	209	9	40	17.03	38	179	374	185	18	50	16.98	40	192	355	
80	20.68%-99.99%	CC to C	Ca	694	301	53	33.59	16	82	572	1,001	170	49	33.16	26	136	1,361	
				2,064	732	55	23.15	24	119	2,463	2,090	276	50	25.31	26	130	2,711	
<b>Default</b>																		
90	100.00%	D	C	1,160	47	38	100.00	34	220	2,550	577	50	54	100.00	39	222	1,260	
				1,160	47	38	100.00	34	220	2,550	577	50	54	100.00	39	222	1,260	
				128,716	56,212	65	1.96	36	50	64,696	122,406	59,072	65	1.56	36	48	59,561	
<b>Sovereign Investment grade</b>																		
00	0.01%-0.015%	AAA	Aaa	26,016	187	67	0.01	5	1	217	28,583	187	67	0.01	5	1	211	
10	0.016%-0.025%	AAA	Aaa	10,308	980	67	0.02	13	3	297	10,210	888	67	0.02	15	3	317	
21	0.016%-0.025%	AA+	Aa1	3,628	1,574	66	0.02	14	2	77	3,983	1,738	66	0.02	16	2	89	
24	0.016%-0.025%	AA	Aa2	1,323	243	76	0.02	39	9	115	1,296	268	77	0.02	38	9	120	
27	0.026%-0.035%	AA-	Aa3	1,337	1,318	68	0.03	21	6	84	1,279	1,285	69	0.03	19	5	69	
31	0.036%-0.05%	A+	A1	1,236	822	69	0.04	25	8	94	1,083	792	69	0.04	25	8	83	
34	0.06%-0.065%	A	A2	1,073	742	70	0.05	20	8	85	1,108	755	70	0.05	20	8	89	
37	0.066%-0.08%	A-	A3	410	407	68	0.09	22	13	53	406	391	68	0.09	21	13	53	
41	0.09%-0.16%	BBB+	Baa1	610	414	69	0.15	20	15	89	584	412	68	0.15	25	18	106	
44	0.16%-0.26%	BBB	Baa2	144	44	80	0.25	47	42	61	149	57	78	0.25	43	39	58	
47	0.27%-0.42%	BBB-	Baa3	171	114	61	0.35	41	49	83	104	39	81	0.35	47	53	55	
				46,256	6,845	68	0.02	11	3	1,255	48,785	6,812	68	0.02	11	3	1,250	
<b>Non-investment grade</b>																		
51	0.43%-0.61%	BB+	Ba1	34	29	61	0.55	37	52	18	66	21	60	0.55	39	70	46	
54	0.62%-1.09%	BB	Ba2	507	225	55	0.76	7	11	55	501	232	49	0.76	8	12	58	
57	1.10%-1.92%	BB-	Ba3	16	4	74	1.45	28	61	10	11	2	76	1.45	33	76	8	
61	1.93%-3.99%	B+	B1	4	1	75	2.54	9	22	1	6	2	75	2.54	11	26	2	
64	4.00%-7.27%	B	B2	8	-	-	6.23	26	79	6	16	1	76	6.23	31	97	15	
67	7.28%-12.11%	B-	B3	1	-	-	9.77	97	475	6	-	-	-	-	-	-	-	
				570	259	56	0.88	10	17	96	600	258	50	0.91	12	22	129	
<b>Watch list</b>																		
70	12.12%-20.67%	CCC+	Caa1	3	1	77	17.03	89	415	13	-	-	-	-	-	-	-	
75	12.12%-20.67%	CCC to CCC-	Caa2 to Caa3	2	3	69	17.03	25	119	2	-	-	-	-	-	-	-	
80	20.68%-99.99%	CC to C	Ca	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
				5	4	70	17.03	65	304	15	-	-	-	-	-	-	-	
<b>Default</b>																		
90	100.00%	D	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				46,831	7,108	68	0.03	11	3	1,366	49,385	7,070	68	0.03	11	3	1,379	

For footnotes, see page 16.

# CREDIT QUALITY OF AIRB EXPOSURE - BUSINESS AND GOVERNMENT PORTFOLIOS (RISK RATING METHOD) (continued) <sup>1</sup>

(\$ millions)		Q2/16								Q1/16								
CIBC rating	Banks	PD bands	Standard & Poor's equivalent	Moody's Investors Service equivalent	EAD	Notional of undrawn commitments	Exposure weighted-average EAD %	Exposure weighted-average PD %	Exposure weighted-average LGD %	Exposure weighted-average risk weight %	RWA	EAD	Notional of undrawn commitments	Exposure weighted-average EAD %	Exposure weighted-average PD %	Exposure weighted-average LGD %	Exposure weighted-average risk weight %	RWA
<b>Investment grade</b>																		
10		0.03%-0.03%	AAA	Aaa	1,111	-	-	0.02	24	7	79	2,286	-	-	0.01	13	3	74
21		0.03%-0.03%	AA+	Aa1	74	92	-	0.03	31	6	5	24	100	-	0.03	31	12	3
24		0.04%-0.05%	AA	Aa2	33,704	-	-	0.04	6	1	385	32,189	-	-	0.04	6	1	388
27		0.05%-0.06%	AA-	Aa3	8,183	-	-	0.05	16	4	335	8,453	-	-	0.05	16	4	329
31		0.07%-0.09%	A+	A1	11,722	-	-	0.08	13	5	640	11,014	-	-	0.08	13	6	642
34		0.09%-0.12%	A	A2	5,711	70	68	0.10	16	9	487	8,007	77	67	0.10	17	8	663
37		0.13%-0.16%	A-	A3	7,659	228	67	0.13	12	8	619	9,606	230	67	0.13	14	8	794
41		0.17%-0.22%	BBB+	Baa1	6,337	325	67	0.17	14	10	605	6,574	333	67	0.17	14	9	622
44		0.23%-0.30%	BBB	Baa2	3,063	541	67	0.25	13	12	375	2,447	642	67	0.25	13	11	281
47		0.31%-0.42%	BBB-	Baa3	1,008	92	70	0.35	18	19	191	753	129	68	0.35	19	21	160
<b>Non-investment grade</b>					78,572	1,348	63	0.08	11	5	3,721	81,353	1,511	63	0.08	11	5	3,956
51		0.43%-0.61%	BB+	Ba1	535	2	65	0.55	25	29	155	823	-	-	0.55	25	32	264
54		0.62%-1.09%	BB	Ba2	486	1	70	0.76	17	25	121	713	-	-	0.76	19	28	201
57		1.10%-1.92%	BB-	Ba3	73	1	66	1.45	14	32	23	75	1	66	1.45	13	32	24
61		1.93%-3.99%	B+	B1	156	1	74	2.54	12	26	41	242	2	73	2.54	8	19	46
64		4.00%-7.27%	B	B2	588	64	59	6.23	24	82	480	394	87	60	6.23	27	97	382
67		7.28%-12.11%	B-	B3	2	-	-	9.77	5	23	-	2	-	-	9.77	27	101	2
<b>Watch list</b>					1,840	69	60	2.64	21	45	820	2,249	90	60	1.86	21	41	919
70		12.12%-20.67%	CCC+	Caa1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75		12.12%-20.67%	CCC to CCC-	Caa2 to Caa3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80		20.68%-99.99%	CC to C	Ca	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Default</b>					-	-	-	-	-	-	-	-	-	-	-	-	-	-
90		100.00%	D	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					80,412	1,417	63	0.14	11	6	4,541	83,602	1,601	63	0.13	11	6	4,875
<b>Commercial mortgages (Slotting approach)</b>					255,959	64,737	65	1.03	23	28	70,603	255,393	67,743	65	0.80	23	26	65,815
<b>Strong</b>					2,254	7	57	-	-	70	1,578	6,966	55	58	-	-	70	4,877
<b>Good</b>					206	-	-	-	-	90	185	539	4	-	-	90	485	
<b>Satisfactory</b>					137	19	68	-	-	115	157	181	31	68	-	115	208	
<b>Weak</b>					16	-	-	-	-	244	39	54	-	-	-	252	136	
<b>Default</b>					5	-	-	-	-	-	-	5	-	-	-	-	-	-
					2,618	26	65	-	-	75	1,959	7,745	90	59	-	74	5,706	
<b>Total business and government</b>					258,577	64,763	65	-	-	28	72,562	263,138	67,833	65	-	-	27	71,521

<sup>1</sup> Gross credit exposure after credit valuation adjustments for financial guarantors and credit risk mitigation, and before allowance for credit losses.

# CREDIT QUALITY OF AIRB EXPOSURE - RETAIL PORTFOLIOS <sup>1</sup>

(\$ millions)

		Q4/16								
		EAD	Notional of undrawn commitments	Exposure weighted-average EAD %	Exposure weighted-average PD %	Exposure weighted-average LGD %	Exposure weighted-average risk weight %	RWA	Expected losses	Expected losses adjusted average risk weight % <sup>2</sup>
<b>Canadian residential mortgages and HELOCs</b>										
<b>Insured Drawn and Undrawn <sup>3</sup></b>										
Exceptionally low		96,275	-	-	0.01	5	1	887	1	1
		397	-	-	0.18	22	21	83	-	21
Very low		701	-	-	0.26	20	22	155	-	23
		1	-	-	0.46	16	24	-	-	24
Low		82	-	-	0.54	22	35	28	-	36
		97,456	-	-	0.01	5	1	1,153	1	1
<b>Uninsured Undrawn <sup>4</sup></b>										
Exceptionally low		11,914	40,153	30	0.04	32	3	411	1	4
		5,485	5,970	92	0.14	24	7	403	2	8
Very low		525	1,531	34	0.30	35	19	97	1	20
		-	-	-	-	-	-	-	-	-
Low		275	913	30	0.53	31	25	70	-	27
		140	431	32	1.16	35	48	67	1	53
Medium		26	61	42	4.25	38	115	30	-	135
		-	-	-	-	-	-	-	-	-
High		11	31	34	26.97	37	211	22	1	334
Default		-	-	-	-	-	-	-	-	-
		18,376	49,090	37	0.11	29	6	1,100	6	6
<b>Uninsured Drawn <sup>4</sup></b>										
Exceptionally low		55,276	n/a	n/a	0.06	21	3	1,822	7	3
		11,154	n/a	n/a	0.18	22	8	883	4	8
Very low		17,677	n/a	n/a	0.31	20	11	1,956	11	12
		282	n/a	n/a	0.42	22	15	42	-	16
Low		5,709	n/a	n/a	0.77	22	23	1,330	10	25
		10,627	n/a	n/a	1.26	18	26	2,758	24	29
Medium		2,833	n/a	n/a	3.61	22	59	1,678	22	69
		30	n/a	n/a	7.49	20	78	24	-	96
High		343	n/a	n/a	32.52	23	129	441	26	223
Default		192	n/a	n/a	100.00	26	42	81	56	406
		104,123	n/a	n/a	0.67	21	11	11,015	160	13
<b>Qualifying revolving credit</b>										
Exceptionally low		29,612	35,662	77	0.04	91	2	670	9	3
		11,386	12,623	69	0.14	88	7	809	14	9
Very low		2,349	2,691	73	0.29	86	13	297	6	16
		4,213	3,890	62	0.38	83	15	629	13	19
Low		4,218	3,785	63	0.62	90	23	989	23	30
		8,191	3,662	70	1.46	87	44	3,636	105	60
Medium		5,237	1,205	75	3.54	88	83	4,365	162	122
		2,459	617	89	6.86	89	131	3,218	149	207
High		1,347	439	79	29.92	89	209	2,809	355	538
Default		44	-	-	100.00	83	205	90	34	1,167
		69,056	64,574	73	1.44	89	25	17,512	870	41
<b>Other retail</b>										
Exceptionally low		1,350	1,547	64	0.07	68	13	170	1	13
		165	147	70	0.13	84	26	42	-	27
Very low		951	561	45	0.30	81	42	403	2	45
		394	281	55	0.40	77	49	191	1	52
Low		855	361	48	0.69	76	65	555	4	71
		4,883	187	57	1.32	50	57	2,792	34	66
Medium		1,929	80	57	3.37	83	117	2,251	54	152
		477	74	65	7.54	83	130	619	30	208
High		672	251	60	44.03	41	85	572	79	232
Default		53	-	-	100.00	82	411	218	31	1,142
		11,729	3,489	58	4.48	64	67	7,813	236	92
		300,740	117,153	58	0.75	34	13	38,593	1,273	18

For footnotes, see page 20.



# CREDIT QUALITY OF AIRB EXPOSURE - RETAIL PORTFOLIOS <sup>1</sup>

(\$ millions)

	PD bands	Q3/16							Expected losses	Expected losses adjusted risk weight % <sup>2</sup>
		EAD	Notional of undrawn commitments	Exposure weighted-average EAD %	Exposure weighted-average PD %	Exposure weighted-average LGD %	Exposure weighted-average risk weight %	RWA		
<b>Canadian residential mortgages and HELOCs</b>										
<b>Insured Drawn and Undrawn <sup>3</sup></b>										
Exceptionally low	0.01% - 0.10%	99,816	-	-	0.01	5	1	952	1	1
	0.11% - 0.20%	38	-	-	0.14	22	17	7	-	18
Very low	0.21% - 0.35%	12	-	-	0.25	23	25	3	-	26
	0.36% - 0.50%	-	-	-	0.42	22	32	-	-	33
		99,866	-	-	0.01	5	1	962	1	1
<b>Uninsured Undrawn <sup>4</sup></b>										
Exceptionally low	0.01% - 0.10%	16,604	39,094	42	0.03	23	2	374	1	2
	0.11% - 0.20%	6,323	6,797	93	0.14	23	7	446	2	7
Very low	0.21% - 0.35%	19	44	43	0.25	24	12	2	-	12
	0.36% - 0.50%	-	-	-	-	-	-	-	-	-
Low	0.51% - 1.00%	507	1,129	45	0.56	23	20	100	1	21
	1.01% - 2.00%	215	326	66	1.26	23	34	73	1	38
Medium	2.01% - 5.00%	368	826	45	2.43	23	50	182	2	56
	5.01% - 10.00%	-	-	-	-	-	-	-	-	-
High	10.01% - 99.99%	14	22	65	15.06	24	126	18	1	172
Default	100.00%	-	-	-	-	-	-	-	-	-
		24,050	48,238	50	0.13	23	5	1,195	8	5
<b>Uninsured Drawn <sup>4</sup></b>										
Exceptionally low	0.01% - 0.10%	43,705	n/a	n/a	0.06	18	3	1,218	5	3
	0.11% - 0.20%	17,234	n/a	n/a	0.15	22	7	1,243	6	8
Very low	0.21% - 0.35%	13,010	n/a	n/a	0.31	18	10	1,291	7	11
	0.36% - 0.50%	264	n/a	n/a	0.41	22	15	39	-	16
Low	0.51% - 1.00%	5,899	n/a	n/a	0.77	22	23	1,366	10	25
	1.01% - 2.00%	12,398	n/a	n/a	1.23	19	27	3,304	28	29
Medium	2.01% - 5.00%	2,514	n/a	n/a	3.49	20	54	1,357	17	63
	5.01% - 10.00%	32	n/a	n/a	7.80	18	74	23	-	91
High	10.01% - 99.99%	367	n/a	n/a	28.90	21	110	405	22	184
Default	100.00%	175	n/a	n/a	100.00	22	32	56	54	420
		95,598	n/a	n/a	0.69	19	11	10,302	149	13
<b>Qualifying revolving credit</b>										
Exceptionally low	0.01% - 0.10%	32,065	38,437	76	0.04	91	3	817	12	3
	0.11% - 0.20%	8,415	9,082	73	0.14	85	7	589	10	9
Very low	0.21% - 0.35%	3,287	3,567	69	0.27	89	12	395	8	15
	0.36% - 0.50%	3,291	3,085	64	0.38	79	14	470	10	18
Low	0.51% - 1.00%	4,213	3,865	63	0.62	90	23	987	23	30
	1.01% - 2.00%	8,117	3,737	70	1.47	87	44	3,605	104	60
Medium	2.01% - 5.00%	5,154	1,237	75	3.53	88	83	4,294	159	122
	5.01% - 10.00%	2,430	614	90	6.89	90	132	3,203	149	208
High	10.01% - 99.99%	1,319	440	78	29.20	89	209	2,758	341	532
Default	100.00%	43	-	-	100.00	83	191	82	34	1,172
		68,334	64,064	74	1.42	89	25	17,200	850	41
<b>Other retail</b>										
Exceptionally low	0.01% - 0.10%	1,349	1,541	65	0.07	68	13	171	1	13
	0.11% - 0.20%	153	137	70	0.13	84	26	39	-	27
Very low	0.21% - 0.35%	955	575	45	0.30	81	43	408	2	46
	0.36% - 0.50%	376	256	56	0.40	76	48	180	1	52
Low	0.51% - 1.00%	851	351	49	0.69	77	65	554	4	72
	1.01% - 2.00%	4,800	193	56	1.32	49	56	2,698	32	65
Medium	2.01% - 5.00%	1,980	78	56	3.36	83	117	2,308	55	151
	5.01% - 10.00%	476	77	64	7.54	83	131	622	30	209
High	10.01% - 99.99%	656	228	60	44.63	41	84	554	79	235
Default	100.00%	51	-	-	100.00	82	403	205	30	1,104
		11,647	3,436	58	4.47	64	66	7,739	234	92
		299,495	115,738	63	0.73	33	12	37,398	1,242	18

For footnotes, see page 20.



# CREDIT QUALITY OF AIRB EXPOSURE - RETAIL PORTFOLIOS <sup>1</sup>

(\$ millions)

		Q2/16							Expected losses adjusted Expected risk weight % <sup>2</sup>	
		EAD	Notional of undrawn commitments	Exposure weighted- average EAD %	Exposure weighted- average PD %	Exposure weighted- average LGD %	Exposure weighted- average risk weight %	RWA		
<b>Canadian residential mortgages and HELOCs</b>										
<b>Insured Drawn and Undrawn <sup>3</sup></b>										
Exceptionally low		102,560	-	-	0.01	5	1	978	1	1
		36	-	-	0.14	22	18	6	-	18
Very low		10	-	-	0.25	22	24	2	-	25
		-	-	-	0.44	14	21	-	-	22
		102,606	-	-	0.01	5	1	986	1	1
<b>Uninsured Undrawn <sup>4</sup></b>										
Exceptionally low		16,070	37,834	42	0.03	23	2	362	1	2
		5,707	6,168	93	0.14	23	7	402	2	7
Very low		16	36	43	0.25	24	12	2	-	12
		-	-	-	-	-	-	-	-	-
Low		419	937	45	0.56	24	20	83	1	22
		188	266	71	1.24	23	34	63	1	37
Medium		332	744	45	2.43	23	50	165	2	57
		-	-	-	-	-	-	-	-	-
High		12	17	67	15.14	24	124	14	-	169
Default		-	-	-	-	-	-	-	-	-
		22,744	46,002	49	0.12	23	5	1,091	7	5
<b>Uninsured Drawn <sup>4</sup></b>										
Exceptionally low		39,433	n/a	n/a	0.06	19	3	1,124	4	3
		16,887	n/a	n/a	0.16	22	7	1,244	6	8
Very low		11,219	n/a	n/a	0.31	18	10	1,149	7	11
		345	n/a	n/a	0.41	22	15	51	-	16
Low		6,089	n/a	n/a	0.78	22	24	1,435	11	26
		9,790	n/a	n/a	1.23	19	27	2,681	23	30
Medium		2,347	n/a	n/a	3.38	21	55	1,297	16	64
		34	n/a	n/a	7.94	18	71	24	-	88
High		289	n/a	n/a	27.57	21	113	326	16	183
Default		178	n/a	n/a	100.00	23	35	61	54	417
		86,611	n/a	n/a	0.68	20	11	9,392	137	13
<b>Qualifying revolving credit</b>										
Exceptionally low		32,110	38,807	76	0.04	91	3	826	12	3
		8,143	8,786	73	0.14	85	7	565	10	8
Very low		3,330	3,570	68	0.27	89	12	405	8	15
		3,227	3,028	64	0.38	79	14	459	10	18
Low		3,968	3,544	63	0.64	89	24	945	22	31
		7,824	3,520	70	1.47	87	44	3,478	100	60
Medium		5,202	1,196	76	3.52	89	83	4,334	160	122
		2,418	582	91	6.90	90	132	3,198	149	209
High		1,218	378	80	29.48	89	210	2,556	318	537
Default		47	-	-	100.00	84	155	73	39	1,183
		67,487	63,411	74	1.40	89	25	16,839	828	40
<b>Other retail</b>										
Exceptionally low		1,342	1,536	65	0.07	68	13	169	1	13
		140	127	69	0.13	84	26	36	-	27
Very low		954	570	45	0.30	82	43	411	2	46
		360	243	55	0.40	76	48	173	1	52
Low		838	342	48	0.69	78	66	553	4	73
		4,716	188	56	1.31	48	55	2,605	31	64
Medium		1,977	74	57	3.37	84	117	2,310	55	152
		478	75	64	7.53	83	130	621	30	208
High		640	236	61	44.79	41	86	548	75	231
Default		52	-	-	100.00	82	330	171	34	1,149
		11,497	3,391	58	4.46	64	66	7,597	233	91
		290,945	112,804	63	0.72	33	12	35,905	1,206	18

For footnotes, see page 20.



# CREDIT QUALITY OF AIRB EXPOSURE - RETAIL PORTFOLIOS <sup>1</sup>

(\$ millions)

		Q1/16								
		EAD	Notional of undrawn commitments	Exposure weighted-average EAD %	Exposure weighted-average PD %	Exposure weighted-average LGD %	Exposure weighted-average risk weight %	RWA	Expected losses	Expected losses adjusted average risk weight % <sup>2</sup>
<b>Canadian residential mortgages and HELOCs</b>										
<b>Insured Drawn and Undrawn <sup>3</sup></b>		<b>PD bands</b>								
Exceptionally low	0.01% - 0.10%	103,164	-	-	0.01	5	1	977	1	1
	0.11% - 0.20%	39	-	-	0.14	22	18	7	-	18
Very low	0.21% - 0.35%	11	-	-	0.25	23	25	3	-	25
	0.36% - 0.50%	-	-	-	0.40	25	34	-	-	35
		103,214	-	-	0.01	5	1	987	1	1
<b>Uninsured Undrawn <sup>4</sup></b>										
Exceptionally low	0.01% - 0.10%	15,533	36,550	42	0.03	23	2	350	1	2
	0.11% - 0.20%	4,654	5,107	91	0.14	23	7	327	1	7
Very low	0.21% - 0.35%	16	37	43	0.25	24	12	2	-	12
	0.36% - 0.50%	-	-	-	-	-	-	-	-	-
Low	0.51% - 1.00%	444	990	45	0.57	23	20	88	1	22
	1.01% - 2.00%	190	269	71	1.24	23	34	64	1	37
Medium	2.01% - 5.00%	326	729	45	2.43	23	50	162	2	57
	5.01% - 10.00%	-	-	-	-	-	-	-	-	-
High	10.01% - 99.99%	14	23	61	15.58	24	126	18	1	173
Default	100.00%	-	-	-	-	-	-	-	-	-
		21,177	43,705	48	0.13	23	5	1,011	7	5
<b>Uninsured Drawn <sup>4</sup></b>										
Exceptionally low	0.01% - 0.10%	36,485	n/a	n/a	0.06	19	3	1,048	4	3
	0.11% - 0.20%	16,160	n/a	n/a	0.15	22	7	1,176	6	8
Very low	0.21% - 0.35%	10,932	n/a	n/a	0.31	18	10	1,134	6	11
	0.36% - 0.50%	426	n/a	n/a	0.41	21	15	62	-	16
Low	0.51% - 1.00%	5,757	n/a	n/a	0.77	22	23	1,346	10	26
	1.01% - 2.00%	10,269	n/a	n/a	1.23	19	28	2,844	24	31
Medium	2.01% - 5.00%	2,210	n/a	n/a	3.40	21	55	1,206	15	63
	5.01% - 10.00%	44	n/a	n/a	7.39	19	73	33	1	90
High	10.01% - 99.99%	295	n/a	n/a	28.91	21	111	328	17	184
Default	100.00%	160	n/a	n/a	100.00	22	34	54	50	428
		82,738	n/a	n/a	0.70	20	11	9,231	133	13
<b>Qualifying revolving credit</b>										
Exceptionally low	0.01% - 0.10%	33,606	40,682	76	0.05	91	3	961	14	3
	0.11% - 0.20%	3,020	3,510	71	0.17	87	8	244	4	10
Very low	0.21% - 0.35%	7,999	7,734	70	0.30	88	13	1,048	21	16
	0.36% - 0.50%	493	815	55	0.40	55	11	52	1	13
Low	0.51% - 1.00%	6,416	4,991	64	0.69	88	25	1,616	39	33
	1.01% - 2.00%	6,318	2,789	75	1.59	89	48	3,018	89	65
Medium	2.01% - 5.00%	5,444	1,343	74	3.26	89	80	4,359	157	116
	5.01% - 10.00%	2,122	395	86	6.57	91	130	2,759	126	204
High	10.01% - 99.99%	1,356	404	80	27.58	89	209	2,831	331	514
Default	100.00%	43	-	-	100.00	82	169	73	35	1,184
		66,817	62,663	74	1.39	90	25	16,961	817	41
<b>Other retail</b>										
Exceptionally low	0.01% - 0.10%	1,091	1,526	63	0.07	72	13	145	1	14
	0.11% - 0.20%	290	43	47	0.16	65	23	66	-	24
Very low	0.21% - 0.35%	735	708	50	0.29	81	43	313	2	46
	0.36% - 0.50%	385	169	49	0.43	76	50	194	1	55
Low	0.51% - 1.00%	1,254	350	48	0.62	80	64	806	6	71
	1.01% - 2.00%	4,923	187	59	1.40	51	60	2,958	38	70
Medium	2.01% - 5.00%	1,217	76	57	3.39	82	116	1,407	34	150
	5.01% - 10.00%	587	60	56	6.60	84	128	754	33	198
High	10.01% - 99.99%	640	238	62	45.32	41	85	545	79	240
Default	100.00%	47	-	-	100.00	81	306	145	223	1,071
		11,169	3,357	57	4.47	64	66	7,333	229	91
		285,115	109,725	63	0.72	33	12	35,523	1,181	18

<sup>1</sup> Comprises Canadian residential mortgages and HELOCs; qualifying revolving retail exposures (credit cards and unsecured lines of credit); and other retail exposures (loans secured by non-residential assets, unsecured loans including student loans, and scored small business loans). These retail portfolios are under AIRB approach and exclude international portfolios which are under the standardized approach. Amounts are before allowance for credit losses and after credit risk mitigation.

<sup>2</sup> Calculated as (RWA + 12.5 x expected losses) / EAD based on unrounded figures.

<sup>3</sup> Comprises insured residential mortgages for which we utilize the substitution approach, whereby PD and LGD values appropriate for the insurance provider are used in the RWA calculations. We do not have any drawn or undrawn insured HELOCs.

<sup>4</sup> Comprises both residential mortgages and HELOCs.

n/a Not applicable.





## AIRB CREDIT RISK EXPOSURE - LOSS EXPERIENCE

	Q4/16		Q3/16		Q2/16		Q1/16	
	Expected loss rate % <sup>1</sup>	Actual loss rate % <sup>1</sup>	Expected loss rate % <sup>1</sup>	Actual loss rate % <sup>1</sup>	Expected loss rate % <sup>1</sup>	Actual loss rate % <sup>1</sup>	Expected loss rate % <sup>1</sup>	Actual loss rate % <sup>1</sup>
<b>Business and government portfolios</b>								
Corporate	0.57	0.29	0.56	0.31	0.53	0.25	0.52	0.13
Sovereign	0.01	-	0.01	-	0.01	-	0.01	-
Banks	0.13	-	0.12	-	0.11	-	0.13	-
<b>Retail portfolios</b>								
Real estate secured personal lending	0.07	0.01	0.07	0.01	0.06	0.01	0.06	0.01
Qualifying revolving retail	3.68	2.97	3.66	2.86	3.42	2.77	3.67	2.75
Other retail	2.38	1.07	2.21	1.04	2.13	1.03	2.20	1.09

  

	Q4/15		Q3/15		Q2/15		Q1/15	
	Expected loss rate % <sup>1</sup>	Actual loss rate % <sup>1</sup>	Expected loss rate % <sup>1</sup>	Actual loss rate % <sup>1</sup>	Expected loss rate % <sup>1</sup>	Actual loss rate % <sup>1</sup>	Expected loss rate % <sup>1</sup>	Actual loss rate % <sup>1</sup>
<b>Business and government portfolios</b>								
Corporate	0.54	0.11	0.55	0.10	0.55	0.10	0.55	0.13
Sovereign	0.01	-	0.01	-	-	-	-	-
Banks	0.12	-	0.14	-	0.18	-	0.16	-
<b>Retail portfolios</b>								
Real estate secured personal lending	0.06	0.01	0.05	0.01	0.05	0.01	0.05	0.02
Qualifying revolving retail	3.61	2.72	3.89	2.82	4.05	2.91	4.04	2.90
Other retail	2.51	1.09	2.45	1.10	2.45	1.12	2.80	1.12

<sup>1</sup> Actual loss rates for each quarter represent the write-offs less recoveries plus the change in allowance for impaired loans for the previous 12 months, divided by the outstanding balance at the beginning of the previous 12 month period. The expected loss rate represents the loss rate that was predicted by the Basel parameter estimates at the beginning of the period defined above.

Differences between actual and expected loss rates are due to the following reasons:

Expected losses are generally calculated using "through the business cycle" risk parameters while actual losses are determined at a "point in time" and reflect more current economic conditions. "Through the cycle" parameters are estimated to include a long time horizon and as a result, actual losses may exceed expected losses during an economic downturn and may fall below expected losses during times of economic growth.

## AIRB CREDIT RISK EXPOSURE - BACK-TESTING

	Q4/16						Q3/16					
	Average estimated PD %	Actual default rate %	Average estimated LGD %	Actual LGD %	Estimated EAD %	Actual EAD %	Average estimated PD %	Actual default rate %	Average estimated LGD %	Actual LGD %	Estimated EAD %	Actual EAD %
<b>Business and government portfolios <sup>1</sup></b>												
Corporate	3.10	0.66	65.84	42.88	76.31	71.15	3.05	0.64	67.44	32.29	76.38	71.50
Sovereign	0.66	0.17	n/a	n/a	70.71	67.45	0.60	0.10	n/a	n/a	71.75	n/a
Banks	1.39	-	n/a	n/a	87.08	n/a	1.36	-	n/a	n/a	86.51	n/a
<b>Retail portfolios <sup>2</sup></b>												
Real estate secured personal lending												
Uninsured residential mortgages and personal loans	0.61	0.40	20.95	12.60	n/a	n/a	0.56	0.36	19.13	9.61	n/a	n/a
Insured residential mortgages	0.62	0.55	n/a	n/a	n/a	n/a	0.63	0.54	n/a	n/a	n/a	n/a
Home equity line of credit	0.20	0.17	37.17	16.38	97.32	93.52	0.21	0.17	23.93	9.88	98.11	93.19
Qualifying revolving retail	1.35	1.13	90.19	87.80	101.41	97.11	1.32	1.11	90.17	87.18	101.24	97.39
Other retail	2.58	1.86	85.60	79.36	98.58	95.31	2.50	1.83	83.93	79.65	98.05	94.80
<b>Business and government portfolios <sup>1</sup></b>												
Corporate	3.00	0.63	44.72	63.39	78.58	72.17	2.90	0.55	45.30	65.38	78.51	68.65
Sovereign	0.54	0.10	n/a	n/a	80.42	n/a	0.48	-	n/a	n/a	79.57	n/a
Banks	1.38	-	n/a	n/a	90.28	n/a	1.27	-	n/a	n/a	89.48	n/a
<b>Retail portfolios <sup>2</sup></b>												
Real estate secured personal lending												
Uninsured residential mortgages and personal loans	0.58	0.37	20.02	10.65	n/a	n/a	0.59	0.38	20.01	11.50	n/a	n/a
Insured residential mortgages	0.64	0.53	n/a	n/a	n/a	n/a	0.65	0.53	n/a	n/a	n/a	n/a
Home equity line of credit	0.21	0.17	24.04	19.20	96.36	86.46	0.21	0.17	23.65	9.56	99.52	92.82
Qualifying revolving retail	1.31	1.12	90.15	86.85	99.77	93.97	1.35	1.16	86.24	84.50	98.09	93.03
Other retail	2.56	1.84	83.62	78.85	99.17	89.03	2.45	1.89	83.25	81.18	93.94	87.12

<sup>1</sup> Estimated LGD is based on accounts that default. Estimated EAD is based on all accounts. For actual LGD, payments are discounted to the default date using discount rates based on opportunity cost (the highest interest rate at which we would originate a new loan in the corresponding portfolio). Estimated and actual EAD include only revolving facilities.

<sup>2</sup> Both estimated and actual EAD are based on accounts that default. Actual LGD is based on payments received after default for accounts that defaulted 24 months before the effective month, using a discount rate based on opportunity cost. Estimated and actual EAD include only revolving products (lines of credit, credit cards, and overdraft facilities). Retail information is based upon our internal parameter monitoring system, which covers more than 90% of retail exposures.

n/a Not applicable.

## BUSINESS AND GOVERNMENT AIRB EXPOSURES BY INDUSTRY GROUPS <sup>1</sup>

(\$ millions)

	Q4/16					Total	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15	Q4/14
	Drawn	Undrawn commitments	Repo-style transactions	Other off-balance sheet	OTC derivatives		Total							
Commercial mortgages	1,674	20	-	-	-	1,694	2,126	2,617	7,746	8,066	8,128	8,174	7,987	7,940
Financial institutions	36,700	4,388	9,574	73,442	10,623	134,727	126,294	120,458	120,593	127,879	133,913	127,897	113,798	96,027
Retail and wholesale	4,184	2,450	-	273	60	6,967	7,001	7,016	6,769	6,806	6,466	6,336	6,196	6,178
Business services	5,807	2,294	18	489	74	8,682	8,308	8,183	7,659	7,312	7,365	6,912	7,679	7,105
Manufacturing - capital goods	1,984	2,111	-	269	287	4,651	4,783	4,763	5,218	4,528	4,338	4,028	4,100	3,650
Manufacturing - consumer goods	2,722	1,530	-	229	65	4,546	4,705	4,621	4,403	4,065	4,144	3,714	3,856	3,556
Real estate and construction	27,502	5,864	-	978	205	34,549	33,616	30,896	25,445	24,074	23,327	21,523	21,310	20,195
Agriculture	5,159	1,279	-	61	83	6,582	6,749	6,590	6,526	6,278	6,063	5,770	5,697	5,297
Oil and gas	6,873	7,825	-	963	1,994	17,655	17,185	16,497	18,653	17,276	17,384	16,683	16,707	15,407
Mining	1,908	2,407	-	731	58	5,104	4,800	4,725	5,276	4,816	4,718	4,573	4,724	4,154
Forest products	444	461	-	137	30	1,072	1,196	1,207	1,221	1,283	1,301	1,376	1,381	1,232
Hardware and software	631	437	-	29	11	1,108	1,198	1,346	1,179	1,112	1,147	904	957	952
Telecommunications and cable	818	839	-	265	118	2,040	2,138	2,126	2,321	2,241	2,169	2,007	2,101	2,083
Broadcasting, publishing, and printing	523	183	-	172	11	889	899	884	730	681	691	771	673	678
Transportation	3,039	1,728	-	512	588	5,867	5,731	5,254	5,175	4,999	4,906	4,570	4,571	4,322
Utilities	3,382	4,873	-	2,233	709	11,197	11,435	11,725	11,848	10,943	10,467	10,381	10,201	9,316
Education, health, and social services	2,588	796	29	96	115	3,624	3,699	3,573	3,443	2,971	2,832	2,776	2,948	2,873
Governments	21,639	3,041	500	331	3,556	29,067	28,080	26,096	28,933	24,970	24,664	12,804	24,389	20,897
	<b>127,577</b>	<b>42,526</b>	<b>10,121</b>	<b>81,210</b>	<b>18,587</b>	<b>280,021</b>	269,943	258,577	263,138	260,300	264,023	241,199	239,275	211,862

<sup>1</sup> Gross credit exposure after credit valuation adjustments for financial guarantors, and before allowance for credit losses.

## EXPOSURE AT DEFAULT UNDER THE STANDARDIZED APPROACH

(\$ millions)

	Risk-weight category							Total
	0%	20%	35%	50%	75%	100%	150%	
<b>Q4/16</b>								
Corporate	-	-	-	-	-	3,737	40	3,777
Sovereign	3,673	315	-	182	-	558	45	4,773
Banks	-	1,595	-	327	-	185	-	2,107
Real estate secured personal lending	-	-	-	-	2,382	-	263	2,645
Other retail	-	-	-	-	751	-	69	820
	<b>3,673</b>	<b>1,910</b>	<b>-</b>	<b>509</b>	<b>3,133</b>	<b>4,480</b>	<b>417</b>	<b>14,122</b>
Q3/16	3,767	1,929	-	383	3,022	4,299	431	13,831
Q2/16	3,570	1,799	-	366	2,863	4,087	440	13,125
Q1/16	4,178	1,963	-	280	3,196	4,715	532	14,864
Q4/15	4,157	1,560	-	263	2,964	4,332	494	13,770
Q3/15	4,201	1,507	-	221	2,931	4,288	553	13,701
Q2/15	3,832	1,258	-	249	2,748	4,006	518	12,611
Q1/15	4,194	1,206	-	211	2,893	4,524	573	13,601
Q4/14	3,463	1,123	-	218	2,629	4,140	444	12,017

## EXPOSURE COVERED BY GUARANTEES AND CREDIT DERIVATIVES <sup>1</sup>

(\$ millions)

	Q4/16			Q3/16			Q2/16			Q1/16		
	Provider of guarantees/ credit derivatives			Provider of guarantees/ credit derivatives			Provider of guarantees/ credit derivatives			Provider of guarantees/ credit derivatives		
	Corporate	Sovereign	Bank	Corporate	Sovereign	Bank	Corporate	Sovereign	Bank	Corporate	Sovereign	Bank
Corporate	8,433	1,078	5,328	7,833	1,071	3,810	7,253	1,142	3,043	7,265	1,382	1,629
Sovereign	113	10,091	-	114	6,226	-	18	8,556	-	-	7,655	-
Banks	-	1,810	32,633	-	5,086	31,589	-	1,861	30,672	-	2,234	30,649
Real estate secured personal lending	2,215	95,242	-	2,210	97,656	-	2,199	100,408	-	2,056	101,158	-
Other retail	-	14	-	-	16	-	-	17	-	-	19	-
	<b>10,761</b>	<b>108,235</b>	<b>37,961</b>	<b>10,157</b>	<b>110,055</b>	<b>35,399</b>	<b>9,470</b>	<b>111,984</b>	<b>33,715</b>	<b>9,321</b>	<b>112,448</b>	<b>32,278</b>

	Q4/15			Q3/15			Q2/15			Q1/15		
	Provider of guarantees/ credit derivatives			Provider of guarantees/ credit derivatives			Provider of guarantees/ credit derivatives			Provider of guarantees/ credit derivatives		
	Corporate	Sovereign	Bank	Corporate	Sovereign	Bank	Corporate	Sovereign	Bank	Corporate	Sovereign	Bank
Corporate	7,523	1,238	4,685	8,263	751	4,346	7,766	857	4,221	6,639	946	2,986
Sovereign	-	4,383	-	-	3,048	-	3	4,118	-	3	6,613	-
Banks	-	3,211	32,189	-	2,886	35,321	10	1,100	45,290	-	969	31,224
Real estate secured personal lending	1,884	102,154	-	1,649	102,009	-	1,366	102,696	-	1,377	103,216	-
Other retail	-	22	-	-	24	-	-	26	-	-	29	-
	<b>9,407</b>	<b>111,008</b>	<b>36,874</b>	<b>9,912</b>	<b>108,718</b>	<b>39,667</b>	<b>9,145</b>	<b>108,797</b>	<b>49,511</b>	<b>8,019</b>	<b>111,773</b>	<b>34,210</b>

## EXPOSURE SECURITIZED AS ORIGINATOR

(\$ millions)

	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15	Q4/14
	Total	Total	Total	Total	Total	Total	Total	Total	Total
<b>Commercial mortgages</b>									
Securitized	156	194	209	223	225	228	230	233	245
Sold	156	194	209	223	225	228	230	233	245
Impaired and other past due loans <sup>2</sup>	-	-	-	-	-	-	-	-	-
Net write-offs for the period	-	-	-	-	-	-	-	-	-

<sup>1</sup> This table provides information on credit mitigants against exposures analyzed under the AIRB approach.

<sup>2</sup> Other past due loans are loans with repayment of principal and payment of interest overdue for over 90 days.

## BANK SPONSORED MULTI-SELLER CONDUITS EXPOSURE

(\$ millions)	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15	Q4/14
	Asset amount								
Canadian residential mortgages	546	593	-	-	-	-	-	-	-
Auto and fleet leases	1,070	1,147	1,223	1,292	930	987	743	698	535
Auto loans	1,054	577	677	778	884	485	560	631	708
Franchise loans	468	470	461	409	391	398	373	356	361
Credit cards	875	725	710	710	710	710	710	710	535
Equipment leases/loans	1,364	1,218	1,186	1,198	950	988	628	576	437
Trade receivables	-	-	-	-	-	-	-	78	22
Dealer floorplan	55	55	55	55	115	145	125	60	60
	<b>5,432</b>	<b>4,785</b>	<b>4,312</b>	<b>4,442</b>	<b>3,980</b>	<b>3,713</b>	<b>3,139</b>	<b>3,109</b>	<b>2,658</b>
Impaired and other past due loans <sup>1</sup>	<b>18</b>	<b>17</b>	<b>18</b>	<b>18</b>	<b>16</b>	<b>16</b>	<b>18</b>	<b>21</b>	<b>20</b>

## TOTAL SECURITIZATION EXPOSURES (IRB APPROACH)

(\$ millions)	Q4/16				Q3/16	Q2/16	Q1/16	Q4/15	Q3/15	Q2/15	Q1/15	Q4/14	
	Investments and loans	Undrawn liquidity and credit facilities	Written credit derivatives	Total exposure	Of which resecuritization exposure <sup>2</sup>		Total Exposure						
<b>Non-Trading</b>													
Third party securitized assets <sup>3</sup>													
CIBC sponsored conduits and structured vehicles	332	7,589	-	7,921	3	7,348	6,424	6,352	5,561	5,631	5,117	5,103	4,312
Third party structured vehicles	5,103	1,252	4,587	10,942	671	11,400	11,153	12,516	10,315	10,306	9,851	10,428	10,678
<b>Trading <sup>4</sup></b>	125	-	-	125	-	155	159	277	247	345	252	377	378
<b>Total EAD</b>	<b>5,560</b>	<b>8,841</b>	<b>4,587</b>	<b>18,988</b>	<b>674</b>	<b>18,903</b>	<b>17,736</b>	<b>19,145</b>	<b>16,123</b>	<b>16,282</b>	<b>15,220</b>	<b>15,908</b>	<b>15,368</b>

- <sup>1</sup> Impaired and other past due loans are in respect of the assets that are collateral to the short-term notes issued by the multi-seller conduits. CIBC retains no direct credit exposure to the assets in the conduits. The risk of loss from these assets is substantially reduced through the presence of credit enhancement which is in place for each program in the conduits. In some instances, the amount of impaired and other past due loans is for an entire asset pool which may be funded by multiple parties in addition to the CIBC-sponsored multi-seller conduits. The CIBC-sponsored multi-seller conduits would only be exposed to the pro-rata portion of the impaired and other past due loan amounts based on the proportional amount of ownership interests funded by them, not the entire amount for the asset pool reported above.
- <sup>2</sup> Resecuritization exposure comprises \$626 million (Q3/16: \$716 million) of investments and loans, nil (Q3/16: \$57 million) of undrawn credit facilities and \$48 million (Q3/16: \$59 million) of written credit derivatives.
- <sup>3</sup> Comprises collateralized loan obligations, asset-backed commercial paper, trust preferred securities, collateralized debt obligations, and others. There were no securitization exposures relating to bank's own securitized assets.
- <sup>4</sup> Comprises asset-backed securities.

# SECURITIZATION EXPOSURES - RISK WEIGHTED ASSETS AND CAPITAL CHARGES (IRB APPROACH)

(\$ millions)

	Q4/16						Q3/16					
	EAD <sup>1</sup>		RWA		Capital charge		EAD <sup>1</sup>		RWA		Capital charge	
	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization
<b>Trading</b>												
Ratings based approach												
AAA to BBB-	125	-	12	-	1	-	155	-	15	-	1	-
Unrated exposure	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total trading</b>	<b>125</b>	<b>-</b>	<b>12</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>155</b>	<b>-</b>	<b>15</b>	<b>-</b>	<b>1</b>	<b>-</b>
<b>Non-trading</b>												
Ratings based approach												
AAA to BBB-	3,662	373	272	238	22	19	4,118	540	305	317	24	25
BB+ to BB-	-	-	-	-	-	-	-	-	-	-	-	-
Rated below BB-	13	-	168	-	13	-	13	-	163	-	13	-
<b>Total ratings based</b>	<b>3,675</b>	<b>373</b>	<b>440</b>	<b>238</b>	<b>35</b>	<b>19</b>	<b>4,131</b>	<b>540</b>	<b>468</b>	<b>317</b>	<b>37</b>	<b>25</b>
Internal assessment approach												
AAA to BBB-	7,192	-	523	-	42	-	6,375	-	446	-	36	-
BB+ to BB-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total internal assessment</b>	<b>7,192</b>	<b>-</b>	<b>523</b>	<b>-</b>	<b>42</b>	<b>-</b>	<b>6,375</b>	<b>-</b>	<b>446</b>	<b>-</b>	<b>36</b>	<b>-</b>
Supervisory formula approach												
Unrated exposure <sup>2</sup>	7,323	44	811	206	65	16	7,410	46	868	191	70	15
<b>Total supervisory formula</b>	<b>7,323</b>	<b>44</b>	<b>811</b>	<b>206</b>	<b>65</b>	<b>16</b>	<b>7,410</b>	<b>46</b>	<b>868</b>	<b>191</b>	<b>70</b>	<b>15</b>
Deduction from capital												
Tier 1 and 2												
Rated below BB-	-	-	-	-	-	-	-	-	-	-	-	-
Unrated exposure	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total non-trading</b>	<b>18,190</b>	<b>417</b>	<b>1,774</b>	<b>444</b>	<b>142</b>	<b>35</b>	<b>17,916</b>	<b>586</b>	<b>1,782</b>	<b>508</b>	<b>143</b>	<b>40</b>
<b>Total exposure</b>	<b>18,315</b>	<b>417</b>	<b>1,786</b>	<b>444</b>	<b>143</b>	<b>35</b>	<b>18,071</b>	<b>586</b>	<b>1,797</b>	<b>508</b>	<b>144</b>	<b>40</b>

(\$ millions)

	Q2/16						Q1/16					
	EAD <sup>1</sup>		RWA		Capital charge		EAD <sup>1</sup>		RWA		Capital charge	
	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization
<b>Trading</b>												
Ratings based approach												
AAA to BBB-	159	-	12	-	1	-	277	-	22	-	2	-
Unrated exposure	-	-	-	-	-	-	-	-	2	-	-	-
<b>Total trading</b>	<b>159</b>	<b>-</b>	<b>12</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>277</b>	<b>-</b>	<b>24</b>	<b>-</b>	<b>2</b>	<b>-</b>
<b>Non-trading</b>												
Ratings based approach												
AAA to BBB-	4,057	628	293	346	23	28	4,441	715	321	382	26	31
BB+ to BB-	-	-	-	-	-	-	-	-	-	-	-	-
Rated below BB-	13	-	157	-	13	-	14	-	175	-	14	-
<b>Total ratings based</b>	<b>4,070</b>	<b>628</b>	<b>450</b>	<b>346</b>	<b>36</b>	<b>28</b>	<b>4,455</b>	<b>715</b>	<b>496</b>	<b>382</b>	<b>40</b>	<b>31</b>
Internal assessment approach												
AAA to BBB-	5,501	-	385	-	30	-	5,390	-	377	-	30	-
BB+ to BB-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total internal assessment</b>	<b>5,501</b>	<b>-</b>	<b>385</b>	<b>-</b>	<b>30</b>	<b>-</b>	<b>5,390</b>	<b>-</b>	<b>377</b>	<b>-</b>	<b>30</b>	<b>-</b>
Supervisory formula approach												
Unrated exposure <sup>2</sup>	7,086	44	663	129	53	10	7,977	50	717	127	57	10
<b>Total supervisory formula</b>	<b>7,086</b>	<b>44</b>	<b>663</b>	<b>129</b>	<b>53</b>	<b>10</b>	<b>7,977</b>	<b>50</b>	<b>717</b>	<b>127</b>	<b>57</b>	<b>10</b>
Deduction from capital												
Tier 1 and 2												
Rated below BB-	-	-	-	-	-	-	-	-	-	-	-	-
Unrated exposure	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total non-trading</b>	<b>16,657</b>	<b>673</b>	<b>1,498</b>	<b>483</b>	<b>119</b>	<b>39</b>	<b>17,822</b>	<b>766</b>	<b>1,590</b>	<b>518</b>	<b>127</b>	<b>42</b>
<b>Total exposure</b>	<b>16,816</b>	<b>673</b>	<b>1,510</b>	<b>483</b>	<b>120</b>	<b>39</b>	<b>18,099</b>	<b>766</b>	<b>1,614</b>	<b>518</b>	<b>129</b>	<b>42</b>

For footnotes, see next page.





## SECURITIZATION EXPOSURES - RISK WEIGHTED ASSETS AND CAPITAL CHARGES (IRB APPROACH) (continued)

(\$ millions)	Q4/15						Q3/15					
	EAD <sup>1</sup>		RWA		Capital charge		EAD <sup>1</sup>		RWA		Capital charge	
	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization
<b>Trading</b>												
Ratings based approach												
AAA to BBB-	247	-	20	-	2	-	344	-	28	-	2	-
Unrated exposure	-	-	4	-	-	-	1	-	6	-	1	-
<b>Total trading</b>	<b>247</b>	<b>-</b>	<b>24</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>345</b>	<b>-</b>	<b>34</b>	<b>-</b>	<b>3</b>	<b>-</b>
<b>Non-trading</b>												
Ratings based approach												
AAA to BBB-	4,015	747	292	391	23	31	4,153	879	301	433	24	35
BB+ to BB-	-	-	-	-	-	-	-	-	-	-	-	-
Rated below BB-	13	-	163	-	13	-	13	-	164	-	13	-
<b>Total ratings based approach</b>	<b>4,028</b>	<b>747</b>	<b>455</b>	<b>391</b>	<b>36</b>	<b>31</b>	<b>4,166</b>	<b>879</b>	<b>465</b>	<b>433</b>	<b>37</b>	<b>35</b>
Internal assessment approach												
AAA to BBB-	4,785	-	335	-	27	-	4,405	-	308	-	25	-
BB+ to BB-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total internal assessment approach</b>	<b>4,785</b>	<b>-</b>	<b>335</b>	<b>-</b>	<b>27</b>	<b>-</b>	<b>4,405</b>	<b>-</b>	<b>308</b>	<b>-</b>	<b>25</b>	<b>-</b>
Supervisory formula approach	5,969	66	497	325	40	26	6,103	68	590	252	46	20
Unrated exposure <sup>2</sup>	-	1	-	8	-	1	13	1	7	8	1	1
Deduction from capital												
Tier 1 and 2												
Rated below BB-	-	-	-	-	-	-	-	-	-	-	-	-
Unrated exposure	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total non-trading</b>	<b>14,782</b>	<b>814</b>	<b>1,287</b>	<b>724</b>	<b>103</b>	<b>58</b>	<b>14,687</b>	<b>948</b>	<b>1,370</b>	<b>693</b>	<b>109</b>	<b>56</b>
<b>Total exposure</b>	<b>15,029</b>	<b>814</b>	<b>1,311</b>	<b>724</b>	<b>105</b>	<b>58</b>	<b>15,032</b>	<b>948</b>	<b>1,404</b>	<b>693</b>	<b>112</b>	<b>56</b>

(\$ millions)	Q2/15						Q1/15					
	EAD <sup>1</sup>		RWA		Capital charge		EAD <sup>1</sup>		RWA		Capital charge	
	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization
<b>Trading</b>												
Ratings based approach												
AAA to BBB-	252	-	19	-	2	-	369	-	29	-	2	-
Unrated exposure	-	-	1	-	-	-	8	-	95	-	8	-
<b>Total trading</b>	<b>252</b>	<b>-</b>	<b>20</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>377</b>	<b>-</b>	<b>124</b>	<b>-</b>	<b>10</b>	<b>-</b>
<b>Non-trading</b>												
Ratings based approach												
AAA to BBB-	3,531	989	260	467	21	37	3,838	1,130	282	522	22	42
BB+ to BB-	-	-	-	-	-	-	-	-	-	-	-	-
Rated below BB-	12	-	151	-	12	-	13	-	159	-	13	-
<b>Total ratings based approach</b>	<b>3,543</b>	<b>989</b>	<b>411</b>	<b>467</b>	<b>33</b>	<b>37</b>	<b>3,851</b>	<b>1,130</b>	<b>441</b>	<b>522</b>	<b>35</b>	<b>42</b>
Internal assessment approach												
AAA to BBB-	4,033	-	282	-	23	-	4,260	-	298	-	24	-
BB+ to BB-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total internal assessment approach</b>	<b>4,033</b>	<b>-</b>	<b>282</b>	<b>-</b>	<b>23</b>	<b>-</b>	<b>4,260</b>	<b>-</b>	<b>298</b>	<b>-</b>	<b>24</b>	<b>-</b>
Supervisory formula approach	5,864	65	566	280	45	22	5,704	70	488	305	39	24
Unrated exposure <sup>2</sup>	14	1	32	8	3	1	15	1	34	8	3	1
Deduction from capital												
Tier 1 and 2												
Rated below BB-	-	-	-	-	-	-	-	-	-	-	-	-
Unrated exposure	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total non-trading</b>	<b>13,454</b>	<b>1,055</b>	<b>1,291</b>	<b>755</b>	<b>104</b>	<b>60</b>	<b>13,830</b>	<b>1,201</b>	<b>1,261</b>	<b>835</b>	<b>101</b>	<b>67</b>
<b>Total exposure</b>	<b>13,706</b>	<b>1,055</b>	<b>1,311</b>	<b>755</b>	<b>106</b>	<b>60</b>	<b>14,207</b>	<b>1,201</b>	<b>1,385</b>	<b>835</b>	<b>111</b>	<b>67</b>

<sup>1</sup> Net of financial collateral of \$256 million (Q3/16: \$246 million) for resecuritization exposures.  
<sup>2</sup> Pertains to unrated exposures not subject to supervisory formula approach.

## Advanced internal ratings-based (AIRB) approach for credit risk

Internal models based on historical experience of key risk assumptions such as PD, LGD and EAD are used to compute the capital requirements subject to OSFI approval. A transitional capital floor based on Basel I standards is also calculated by banks under the AIRB approach for credit risk and an adjustment to RWAs may be required as prescribed by OSFI.

## Advanced measurement approach (AMA) for operational risk

A risk-sensitive approach to calculating the capital charge for operational risk based on internal risk measurement models, using a combination of quantitative and qualitative risk measurement techniques.

## Business and government portfolio

A category of exposures that includes lending to businesses and governments, where the primary basis of adjudication relies on the determination and assignment of an appropriate risk rating, that reflects the credit risk of the exposure.

## Common Equity Tier 1 (CET1), Tier 1 and Total capital ratios

CET1, Tier 1 and Total regulatory capital, divided by RWA as defined by OSFI's Capital Adequacy Requirements Guidelines, which is based on BCBS standards. During the period beginning in the third quarter of 2014 to the fourth quarter of 2018, the calculation of CIBC's CET1, Tier 1 and Total capital ratios will be based on different levels of RWAs. This occurs because of the option CIBC chose for the phase-in of the CVA capital charge.

## Corporate exposures

All direct credit risk exposures to corporations, partnerships and proprietorships, and exposures guaranteed by those entities.

## Credit risk

The risk of financial loss due to a borrower or counterparty failing to meet its obligations in accordance with contractual terms.

## Drawn exposure

The amount of credit risk exposure resulting from loans already advanced to the customer.

## Exposure at default (EAD)

An estimate of the amount of exposure to a customer at the event of, and at the time of, default.

## Internal models approach (IMA) for market risk

Models, which have been developed by CIBC and approved by OSFI, for the measurement of risk and regulatory capital in the trading portfolio for general market risk, debt specific risk, and equity specific risk.

## Internal ratings based (IRB) approach for securitization exposures

Capital calculation method for securitizations available to the banks approved to use IRB approach for underlying exposures securitized. IRB for securitization comprises several calculation approaches (Ratings-Based, Supervisory Formula, Internal Assessment Approach).

## Leverage ratio

Defined as Tier 1 capital divided by Leverage Exposure.

## Leverage exposure

For the purposes of the leverage ratio, exposure is defined under the rules as on-balance sheet assets (unweighted) less Tier 1 capital regulatory adjustments plus derivative exposures, securities financing transaction exposures with a limited form of netting under certain conditions, and other off-balance sheet exposures (such as commitments, direct credit substitutes, forward asset purchases, standby/trade letters of credit, securitization exposures).

## Loss given default (LGD)

An estimate of the amount of exposure to a customer that will not be recovered following a default by that customer, expressed as a percentage of the exposure at default.

## Operational risk

The risk of loss resulting from people, inadequate or failed internal processes, and systems or from external events.

## Probability of default (PD)

An estimate of the likelihood of default for any particular customer which occurs when that customer is not able to repay its obligations as they become contractually due.

## Qualifying revolving retail

This exposure class includes credit cards, unsecured lines of credit and overdraft protection products extended to individuals. Under the standardized approach, these exposures would be included under "other retail".

## Real estate secured personal lending

This exposure class includes residential mortgages and home equity lines of credit extended to individuals.

## Regulatory capital

Basel III regulatory capital, as defined by OSFI's Capital Adequacy Requirements Guideline, is comprised of Common Equity Tier 1 (CET1), Additional Tier 1 (AT1) and Tier 2 capital. CET1 capital includes common shares, retained earnings, AOCI (excluding AOCI relating to cash flow hedges and changes to FVO liabilities attributable to changes in own credit risk) and qualifying instruments issued by a consolidated banking subsidiary to third parties, less regulatory adjustments for items such as goodwill and other intangible assets, deferred tax assets, net assets related to defined benefit pension plans, and certain investments. AT1 capital primarily includes non-viability contingent capital (NVCC) preferred shares, qualifying instruments issued by a consolidated subsidiary to third parties, and non-qualifying innovative Tier 1 notes which are subject to phase-out rules for capital instruments. Tier 1 capital is comprised of CET1 plus AT1. Tier 2 capital includes NVCC subordinated indebtedness, non-qualifying subordinated indebtedness subject to phase-out rules for capital instruments, eligible collective allowance under the standardized approach, and qualifying instruments issued by a consolidated subsidiary to third parties. Total capital is comprised of Tier 1 capital plus Tier 2 capital. Under Basel III, qualifying regulatory capital instruments must be capable of absorbing loss at the point of non-viability of the financial institution; non-qualifying capital instruments are excluded from regulatory capital at a rate of 10% per annum commencing January 1, 2013 through to January 1, 2022.

## Retail portfolios

A category of exposures that primarily includes consumer, but also small business lending, where the primary basis of adjudication relies on credit scoring models.

## Resecuritization

A securitization exposure in which the risk associated with an underlying pool of exposures is tranching and at least one of the underlying exposures is a securitization exposure.

## Risk-weighted assets (RWA)

RWAs consist of three components: (i) RWAs for credit risk are calculated using the AIRB and standardized approaches. The AIRB RWAs are calculated using PDs, LGDs, EADs, and in some cases maturity adjustment, while the standardized approach applies risk weighting factors specified in the OSFI guidelines to on- and off- balance sheet exposures; (ii) RWAs for market risk in the trading portfolio are based on the internal models approved by OSFI with the exception of the RWAs for traded securitization assets where we are using the methodology defined by OSFI; and (iii) RWAs for operational risk relating to the risk of losses resulting from people, inadequate or failed internal processes, and systems or from external events are calculated under the AMA and standardized approaches. During the period beginning in the third quarter 2014 to the fourth quarter of 2018, CET1 capital RWA, Tier 1 capital RWA, and total capital RWA, will differ due to the phase in of the CVA capital charge. Since the introduction of Basel II in 2008, OSFI has prescribed a capital floor requirement for institutions that use the AIRB approach for credit risk. The capital floor is determined by comparing a capital requirement calculated by reference to Basel I against the Basel III calculation, as specified by OSFI. Any shortfall in the Basel III capital requirement compared with the Basel I floor is added to RWAs.

## Securitization

The process of selling assets (normally financial assets such as loans, leases, trade receivables, credit card receivables or mortgages) to trusts or other structured entities (SEs). A SE normally issues securities or other forms of interests to investors and/or the asset transferor, and the SE uses the proceeds of the issue of securities to purchase the transferred assets. The SE will generally use the cash flows generated by the assets to meet the obligations under the securities or other interests issued by the SE, which may carry a number of different risk profiles.

## Sovereign exposures

All direct credit risk exposures to governments, central banks and certain public sector entities, and exposures guaranteed by those entities.

## Standardized approach for credit risk

Applied to exposures when there is not sufficient information to allow for the use of the AIRB approach for credit risk. Credit risk capital requirements are calculated based on a standardized set of risk weights as prescribed in the Basel Accord. The standardized risk weights are based on external credit assessments, where available, and other risk related factors, including export credit agencies, exposure asset class, collateral, etc.

## Standardized approach for operational risk

Capital is based on prescribed percentages that vary by business activity and is applied to the three-year average gross income.