

Supplementary Regulatory Capital Disclosure

For the period ended July 31, 2017

For further information, please contact:

Amy South, Senior Vice-President, Investor Relations (416) 594-7386

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

REGULATORY CAPITAL - TABLE OF CONTENTS

This document is unaudited and should be read in conjunction with our quarterly report to shareholders and news release for Q3/17, and our 2016 annual report (including audited consolidated financial statements and accompanying management's discussion and analysis). 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

Regulatory Capital and Ratios - Basel III (All-in basis)	1
Reconciliation of Capital (All-in basis) to Consolidated Regulatory Balance Sheet	3
Regulatory Capital and Ratios - Basel III (Transitional basis)	4
Changes in Regulatory Capital - Basel III (All-in basis)	5
Basel III Leverage Ratio	6
Risk-Weighted Assets (RWA) - Basel III (All-in basis)	7
Changes in Common Equity Tier 1 (CET1) RWA - Basel III (All-in basis)	8
Credit Exposure (Exposure at default)	9
Credit Exposure - Geographic Concentration	10
Credit Exposure - Maturity Profile	11
Credit Risk Associated with Derivatives	12
Credit Quality of Advanced internal ratings-based (AIRB) Exposure - Business and	
Government Portfolios (Risk Rating Method)	13

Credit Quality of AIRB Exposure - Retail Portfolios	17
AIRB Credit Risk Exposure - Loss Experience	21
AIRB Credit Risk Exposure - Back-Testing	22
Business and Government AIRB Exposures by Industry Groups	23
Exposure at Default (EAD) under the Standardized Approach	24
Exposure Covered by Guarantees and Credit Derivatives	25
Exposures Securitized as Originator	25
Bank Sponsored Multi-Seller Conduits Exposure	26
Total Securitization Exposures - Internal ratings based (IRB) Approach	26
Securitization Exposures - Risk Weighted Assets and Capital Charges	
(IRB Approach)	27
Basel - Glossary	29



REGULATORY CAPITAL AND RATIOS - BASEL III (ALL-IN BASIS 1)

(\$ mil	ions)		Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
Row			Cross- reference ³								
KOW	Common Equity Tier 1 (CET1) capital: instruments and reserves		reference								
1	Directly issued qualifying common share capital plus related stock surplus	12,320	A+B	8,574	8,351	8.096	7,879	7,864	7,861	7.889	7.879
2	Retained earnings	15,535	C	15.011	14,483	13,584	13.145	12,197	11,785	11,433	11.119
3	Accumulated other comprehensive income (and other reserves)	167	D	1,083	698	790	509	522	1,124	1,038	871
5	Common share capital issued by subsidiaries and held by third parties (amount allowed in group CET1)	107	E	114	108	113	101	97	109	94	95
6	Common Equity Tier 1 capital before regulatory adjustments	28,129	_	24,782	23,640	22,583	21,634	20,680	20,879	20,454	19.964
	Common Equity Tier 1 capital: regulatory adjustments	20,120		24,702	20,040	22,000	21,004	20,000	20,013	20,404	13,304
7	Prudential valuation adjustments	63	See footnote 4	60	67	69	68	63	59	50	56
8	Goodwill (net of related tax liabilities)	5,019	F+G+H	1,468	1,444	1,461	1,449	1,785	1,887	1,824	1,826
9	Other intangibles other than mortgage-servicing rights (net of related tax liabilities)	1,531	I+J+AL	1,304	1,277	1,258	1,214	1,166	1,149	1,080	1,039
10	Deferred tax assets excluding those arising from temporary differences (net of related tax liabilities)	24	K	71	66	70	56	99	117	62	60
11	Cash flow hedge reserve	27	L	46	38	23	26	18	15	22	16
12	Shortfall of allowances to expected losses	447	See footnote 4	242	301	283	256	193	213	121	73
14	Gain and losses due to changes in own credit risk on fair valued liabilities	54	M+AK	44	62	102	101	72	109	81	71
15	Defined benefit pension fund net assets (net of related tax liabilities)	300	N+O	191	287	156	115	110	124	385	234
16	Investments in own shares (if not already netted off paid-in capital on reported balance sheet)	_	See footnote 4	-	5	13	4	9	9	-	1
19	Significant investments in the common stock of banking, financial and insurance entities that are outside										
	the scope of regulatory consolidation, net of eligible short positions (amount above 10% threshold)	-	P+Q	-	-	-	-	-	-	-	-
22	Amount exceeding the 15% threshold	-		-	-	-	-	-	-	-	-
23	of which: significant investments in the common stock of financials	-	R+S	-	-	-	-	-	-	-	-
25	of which: deferred tax assets arising from temporary differences	-	Т	-	-	-	-	-	-	-	-
28	Total regulatory adjustments to Common Equity Tier 1	7,465		3,426	3,547	3,435	3,289	3,515	3,682	3,625	3,376
29	Common Equity Tier 1 capital (CET1)	20,664		21,356	20,093	19,148	18,345	17,165	17,197	16,829	16,588
	Additional Tier 1 (AT1) capital: instruments										
30	Directly issued qualifying Additional Tier 1 instruments plus related stock surplus 5	1,796		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
31	of which: classified as equity under applicable accounting standards	1,796	U	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
33	Directly issued capital instruments subject to phase out from Additional Tier 1	1,253	V+see footnote 6	1,253	1,253	1,504	1,504	1,504	1,504	1,679	1,684
34	Additional Tier 1 Instruments (and CET1 instruments not in row 5) issued by subsidiaries and held by										
	third parties (amount allowed in group AT1)	13	W	15	14	14	13	13	15	12	12
36	Additional Tier 1 capital before regulatory adjustments	3,062		2,268	2,267	2,518	2,517	2,517	2,519	2,691	2,696
	Additional Tier 1 capital: regulatory adjustments										
41	Other deductions from Tier 1 capital as determined by OSFI	-		-	<u>-</u>	-	-	-	-	-	_
41b	of which: valuation adjustment for less liquid positions	-		-	-	-	-	-	-	-	-
43	Total regulatory adjustments to Additional Tier 1 capital	-		-	-	-	-	-	-	-	-
44	Additional Tier 1 capital (AT1)	3,062		2,268	2,267	2,518	2,517	2,517	2,519	2,691	2,696
45	Tier 1 capital (T1 = CET1 + AT1)	23,726		23,624	22,360	21,666	20,862	19,682	19,716	19,520	19,284
	Tier 2 capital: instruments and provisions										
46	Directly issued qualifying Tier 2 instruments plus related stock surplus ⁷	1,961	X	1,982	1,975	2,001	2,005	1,986	1,991	1,000	972
47	Directly issued capital instruments subject to phase out from Tier 2	1,197	Y	1,279	1,287	1,323	1,354	1,327	1,351	2,828	2,831
48	Tier 2 instruments (and CET1 and AT1 instruments not included in rows 5 or 34) issued by	40	-	40	40	40	40	4-7	40	40	4.0
	subsidiaries and held by third parties (amount allowed in Tier 2)	19	Z	19	18	19	18 72	17 71	19	16 70	16
50	Collective allowances	250	AA+AB	73	70	74			76		70
51	Tier 2 capital before regulatory adjustments	3,427		3,353	3,350	3,417	3,449	3,401	3,437	3,914	3,889
57	Total regulatory adjustments to Tier 2 capital	0.407		- 0.050	- 0.050	- 0.447	- 0.440	- 0.404	0.407	- 0.04.4	- 0.000
58	Tier 2 capital (T2)	3,427		3,353	3,350	3,417	3,449	3,401	3,437	3,914	3,889
59	Total capital (TC = T1 + T2)	27,153		26,977	25,710	25,083	24,311	23,083	23,153	23,434	23,173
60	Total RWA	n/a		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
60a	Common Equity Tier 1 (CET1) Capital RWA®	198,459		175,431	169,350	168,996	168,077	165,419	162,583	156,107	153,889
60b	Tier 1 Capital RWA ⁸	198,686		175,431	169,575	169,322	168,407	165,746	162,899	156,401	154,176
60c	Total Capital RWA 8	198,867		175,431	169,755	169,601	168,690	166,027	163,169	156,652	154,422

For footnotes, see next page.



REGULATORY CAPITAL AND RATIOS - BASEL III (ALL-IN BASIS 1) (continued)

(\$ mil	ions)		Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
Row			Cross- reference ³								
	Capital ratios										
61	Common Equity Tier 1 (as a percentage of risk-weighted assets)	10.4%		12.2%	11.9%	11.3%	10.9%	10.4%	10.6%	10.8%	10.8%
62	Tier 1 (as a percentage of risk-weighted assets)	11.9%		13.5%	13.2%	12.8%	12.4%	11.9%	12.1%	12.5%	12.5%
63	Total capital (as a percentage of risk-weighted assets)	13.7%		15.4%	15.2%	14.8%	14.4%	13.9%	14.2%	15.0%	15.0%
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%	8.0%	8.0%	8.0%	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%
66	of which: institution specific countercyclical buffer requirement	0.0%		0.0%	0.0%	n/a	n/a	n/a	n/a	n/a	n/a
67a	of which: D-SIB buffer requirement	1.0%		1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	n/a	n/a
68	Common Equity Tier 1 available to meet buffers (as percentage of risk-weighted assets)	10.4%		12.2%	11.9%	11.3%	10.9%	10.4%	10.6%	10.8%	10.8%
	OSFI all-in target (minimum + capital conservation buffer + D-SIB surcharge (if applicable))										
69	Common Equity Tier 1 all-in target ratio	8.0%		8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	7.0%	7.0%
70	Tier 1 capital all-in target ratio	9.5%		9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	8.5%	8.5%
71	Total capital all-in target ratio	11.5%		11.5%	11.5%	11.5%	11.5%	11.5%	11.5%	10.5%	10.5%
	Amounts below the thresholds for deduction (before risk-weighting)		AG+AI+AJ+								
72	Non-significant investments in the capital of other financials	450	see footnote 9	453	409	348	368	425	432	406	453
73	Significant investments in the common stock of financials	810	AD+AE+AF	828	806	814	828	1,463	1,521	1,520	1,505
75	Deferred tax assets arising from temporary differences (net of related tax liabilities)	1,157	AC	912	894	978	981	892	841	783	799
	Applicable caps on the inclusion of allowances in Tier 2										
	Allowances eligible for inclusion in Tier 2 in respect of exposures subject to standardized approach										
76	(prior to application of cap)	250		73	70	74	72	71	76	70	70
77	Cap on inclusion of allowances in Tier 2 under standardized approach	250	AA	73	70	74	72	71	76	70	70
78	Allowances eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings-based approach (prior to application of cap)	_		-	-	-	-	-	-	-	-
79	Cap on inclusion of allowances in Tier 2 under ratings-based approach	_	AB	_	-	-	-	-		<u>-</u>	-
	Capital instruments subject to phase-out arrangements (only applicable between 1 Jan 2013 and 1 Jan 2022)										
80	Current cap on CET1 instruments subject to phase out arrangements	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						
			V+see								
82	Current cap on AT1 instruments subject to phase out arrangements	1,253	footnote 6	1,253	1,253	1,504	1,504	1,504	1,504	1,754	1,754
00	A		AH+see	076	000	450	40-	405	470		
83	Amount excluded from AT1 due to cap (excess over cap after redemptions and maturities)	376	footnote 6	376	392	158	167	165	173	- 0.454	
84	Current cap on T2 instruments subject to phase out arrangements	2,253		2,253	2,253	2,704	2,704	2,704	2,704	3,154	3,154
85	Amount excluded from T2 due to cap (excess over cap after redemptions and maturities)			-	-	-	-	-	-	-	-

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. 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 39, 41, 43, and 45 (effective Q3/17) which are treated as non-viability contingent capital in accordance with OSFI's capital adequacy guidelines.
- 6 Comprises CIBC Tier 1 Notes Series A 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.
- 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 is based on different RWAs, before any capital floor adjustment, 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. Q2/17 RWA includes a capital floor adjustment. See page 7 for further details.
- 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 1

		Q3/17		
Insurance entitie	s adjustment 2	Balance sheet as in		Cross
	Equity	the regulatory scope		reference to
Deconsolidation	accounting	of consolidation	Of which	capital schedule 3
-	<u>-</u>	4,207		
<u>-</u>	<u>-</u>	15,710		
(234)	<u>-</u>	88,146		
			-	AF
			72	AG
			-	
			88,074	
-	-	5,866		
-	-	39,206		
-	-	351,208		
-	-	(1,598)		
			(250)	AA
			-	AB
			(1,348)	
-	-	26,370		
-	-	9,383		
-		1,762		
-		5.101		F
-		1,822		i
-	414	1,154		
			-	P
			-	R
			396	AD
			9	G
			5	AL
			121	
			-	Q
				S
			414	AE
			200	AJ
			9	
		712		
			24	K
				T
			1,157	AC
			(91)	H
			(296)	
			(82)	
			(02)	
_	_	282		N
(100)				IN
(100)	-	11,501		Al
				Al
(224)	111	560 002	11,550	
_	(100)			(100) - 11,561 5 11,556

For footnotes, see next page.



RECONCILIATION OF CAPITAL (ALL-IN BASIS) TO CONSOLIDATED REGULATORY BALANCE SHEET 1 (continued)

Q3/17

			Q3/1	/		
(\$ millions)		Insurance entities a	adjustment 2	Balance sheet as in		Cross
(# 11111015)	Balance sheet	mourance enunes a	aujustinerit	the regulatory		reference
	as in report to		Equity	scope of		to capital
Liabilities	shareholders	Deconsolidation	accounting	consolidation	Of which	schedule 3
Deposits	439,357		•	439,357		
Obligations related to securities sold short	12,582	-	-	12,582		
Cash collateral on securities lent	2,061	-	-	2,061		
Obligations related to securities sold under repurchase agreements	22,553	-		22,553		
Derivative instruments	28,151	-	-	28,151		
Acceptances	9,384	-		9,384		
Deferred tax liabilities	30	-	-	30		
Other liabilities	13,577	247	(167)	13,657		
Subordinated indebtedness	3,195	-		3,195		
Subordinated indebtedness allowed for inclusion in Tier 2 capital					1,961	X
Subordinated indebtedness allowed for inclusion in Tier 2 capital subject to phase out					1,197	Υ
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					37	
Total liabilities	530,890	247	(167)	530,970		
Equity						
Preferred shares	1,796	<u> </u>	-	1,796		
Preferred shares allowed for inclusion into additional Tier 1 capital					1,796	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	12,197	-	-	12,197		
Common shares – treasury positions					14	
Common shares					12,183	A
Contributed surplus	137	-	-	137		В
Retained earnings	15,535	(582)	582	15,535		С
Gains and losses due to changes in own credit risk on fair valued liabilities					62	M
Other retained earnings					15,473	
AOCI	167	1	(1)	167		D
Cash flow hedges					27	L
Net fair value gains (losses) arising from changes in institution's own credit risk					(8)	AK
Other					148	
Non-controlling interests	190	-	-	190		
Portion allowed for inclusion into CET1					107	E
Portion allowed for inclusion into additional Tier 1 capital					13	W
Portion allowed for inclusion into Tier 2 capital					19	Z
Portion not allowed for regulatory capital					51	
Total equity	30,022	(581)	581	30,022		·
Total liabilities and equity	560,912	(334)	414	560,992		

REGULATORY CAPITAL AND RATIOS - BASEL III (TRANSITIONAL BASIS)

		Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
Row 29	Common Equity Tier 1 capital (CET1)	22,221	22,141	20,877	20,751	19,910	18,773	18,886	19,147	18,878
45	Tier 1 capital (T1 = CET1 + AT1)	24,220	24,076	22,809	22,596	21,764	20,506	20,577	20,671	20,416
59	Total capital (TC = T1 + T2)	27,598	27,402	26,125	25,949	25,154	23,861	23,964	24,538	24,273
60	Total risk-weighted assets 4,5	200,100	179,346	171,157	173,902	170,333	168,161	168,688	163,867	161,845
	Capital ratios									
61	Common Equity Tier 1 (as a percentage of risk-weighted assets)	11.1%	12.4%	12.2%	11.9%	11.7%	11.2%	11.2%	11.7%	11.7%
62	Tier 1 (as a percentage of risk-weighted assets)	12.1%	13.4%	13.3%	13.0%	12.8%	12.2%	12.2%	12.6%	12.6%
63	Total capital (as a percentage of risk-weighted assets)	13.8%	15.3%	15.3%	14.9%	14.8%	14.2%	14.2%	15.0%	15.0%

Per OSFI's "Public Capital Disclosure Requirements related to Basel III Pillar 3" advisory.

Total RWAs on a transitional basis may include a capital floor adjustment.



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 recovery plan, term life, and creditor life and disability insurance products. As at July 31, 2017, CIBC Re had \$209 million in assets, \$(173) million in liabilities, and \$382 million in equity, and CIBC Life had \$125 million in assets.

³ Refer to pages 1 and 2

The minimum total capital requirement is \$16,008 million (Q2/17: \$14,348 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 1)

	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
Common Equity Tier 1 (CET1) capital									
Opening amount	21,356	20,093	19,148	18,345	17,165	17,197	16,829	16,588	15,866
Issue of common shares pursant to the acquisition of The PrivateBank	3,443	-	-	-	-	-	-	-	-
Other issue of common shares	37	40	91	48	23	18	20	8	2
Redeemed capital	-	-	-	_	_	-	-	-	_
Purchase of common shares for cancellation	-	-	-	-	-	(15)	(46)	(2)	_
Premium on purchase of common shares for cancellation	-	-	-	-	-	(50)	(159)	(9)	_
Gross dividends (deduction)	(560)	(518)	(502)	(488)	(487)	(476)	(466)	(454)	(444)
Shares issued in lieu of cash dividends (add back)	187	191	170	164	-	-	-	-	_
Profit for the quarter (attributable to shareholders of the parent company)	1,093	1,045	1,402	927	1,435	936	977	776	973
Removal of own credit spread (net of tax)	(10)	18	40	(1)	(29)	37	(28)	(10)	(4)
Movements in other comprehensive income									
Currency translation differences	(1,057)	503	(253)	223	86	(632)	402	-	404
Available-for-sale investments	(42)	35	(70)	9	40	40	(22)	(86)	9
Cash flow hedges	(19)	8	15	(3)	8	3	(7)	6	2
Post-employment defined benefit plans	203	(158)	219	55	(148)	(11)	(286)	240	221
Goodwill and other intangible assets (deduction, net of related tax liabilities)	(3,778)	(51)	(2)	(56)	288	85	(132)	(39)	(236)
Shortfall of allowance to expected losses	(205)	59	(18)	(27)	(63)	20	(92)	(48)	(73)
Other, including regulatory adjustments and transitional arrangements									
Deferred tax assets that rely on future profitability (excluding those arising from temporary		(-)		(4.4)			/ >	(0)	
differences)	47	(5)	4	(14)	43	18	(55)	(2)	-
Defined benefit pension fund net assets	(109)	96	(131)	(41)	(5)	14	261	(151)	(134)
Significant investments in financial institutions (amount above 10% threshold)	-	-	-	-	-	-	-	-	-
Amount exceeding 15% threshold		- -	-		-	-		-	-
Prudential valuation adjustments	(3)	7	2	(1)	(5)	(4)	(9)	6	(5)
Other	81	(7)	(22)	8	(6)	(15)	10	6	7
Closing amount	20,664	21,356	20,093	19,148	18,345	17,165	17,197	16,829	16,588
Additional Tier 1 (AT1) capital									
Opening amount	2,268	2,267	2,518	2,517	2,517	2,519	2,691	2,696	2,685
AT1 eligible capital issues	800		-	-	-				-
Redeemed capital			-	-	-			-	-
Impact of the cap on inclusion for instruments subject to phase out			(251)				(173)		-
Other, including regulatory adjustments and transitional arrangements	(6)	1		1		(2)	1	(5)	11
Closing amount	3,062	2,268	2,267	2,518	2,517	2,517	2,519	2,691	2,696
Total Tier 1 capital	23,726	23,624	22,360	21,666	20,862	19,682	19,716	19,520	19,284
Tier 2 capital		0.050	0.447	0.440	0.404	0.407	0.044	0.000	0.000
Opening amount	3,353	3,350	3,417	3,449	3,401	3,437	3,914	3,889	3,933
New Tier 2 eligible capital issues		-	-	-	-	-	1,000	-	-
Redeemed capital	-	-	-	-	-	-	(1,500)	-	-
Amortization adjustments	-	-	-	-	-	-	-	-	-
Impact of the cap on inclusion for instruments subject to phase out	<u>-</u>	-	-	- (25)	-	- (0.5)	-	-	-
Other, including regulatory adjustments and transitional arrangements	74	3	(67)	(32)	48	(36)	23	25	(44)
Closing amount	3,427	3,353	3,350	3,417	3,449	3,401	3,437	3,914	3,889
Total capital	27,153	26,977	25,710	25,083	24,311	23,083	23,153	23,434	23,173

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.



BASEL III LEVERAGE RATIO

Q3/17 Q2/17 Q1/17 Q4/16 Q3/16 Q2/16 Q1/16 Q4/15 Q3/15 Row On-balance sheet exposures On-balance sheet items (excluding derivatives, securities financing transactions (SFTs) and grandfathered securitization exposures, but including collateral) 486.823 456,527 442,244 437,179 426,904 411,069 409,667 401,111 394,020 Asset amounts deducted in determining Basel III transitional Tier 1 capital (6,995)(3.044)(3,127)(2,677)(2,581)(2,851)(2,971)(2,592)(2,483)Total on-balance sheet exposures (excluding derivatives and SFTs) (sum of lines 1 and 2) 479,828 453,483 439,117 434,502 424,323 408,218 406,696 398,519 391,537 Derivative exposures Replacement cost associated with all derivative transactions (i.e. net of eligible cash variation margin) 5,066 6,452 4,981 6,418 7,065 6,634 7,923 6,225 7,677 Add-on amounts for potential future exposure (PFE) associated with all derivative transactions 15,638 16,567 14,549 14,406 14,668 13.964 13.393 13.260 12.187 6 Gross up for derivatives collateral provided where deducted from the balance sheet assets pursuant to the operative accounting framework (4,585)(Deductions of receivables assets for cash variation margin provided in derivative transactions) (4,990)(5,408)(5,667)(5,450)(5,280)(6,267)(4.980)(4,664)(Exempted central counterparty (CCP)-leg of client cleared trade exposures) 239 Adjusted effective notional amount of written credit derivatives 125 216 356 397 991 511 (Adjusted effective notional offsets and add-on deductions for written credit derivatives) (22)(154)(25)(169)(764)(295)16,244 18,029 14,122 16,485 11 Total derivatives exposures (sum of lines 4 to 10) 15,351 15,532 15,277 14,732 15,416 Securities financing transaction exposures Gross SFT assets recognized for accounting purposes (with no recognition of netting), after adjusting for sale 45,072 43,842 33,810 36,460 34,811 33,334 accounting transactions 44,556 35,722 31,350 13 (Netted amounts of cash payables and cash receivables of gross SFT assets) 1,772 1,135 860 14 Counterparty credit risk (CCR) exposure for SFTs 1.989 2.013 1,682 1,005 1,167 1,100 Agent transaction exposures 47.061 16 Total securities financing transaction exposures (sum of lines 12 to 15) 45,855 46,238 35,582 37,595 36,582 35,816 34,501 32,450 Other off-balance sheet exposures Off-balance sheet exposure at gross notional amount 231,083 218.975 211.165 212.888 208.903 203.249 204.266 198.437 194.778 (152, 187)(149,527)(142,685) (Adjustments for conversion to credit equivalent amounts) (171,486)(163,901)(154,456)(146, 151)(145,416)(139,884) 19 Off-balance sheet items (sum of lines 17 and 18) 59,597 55,074 56,709 60,701 59,376 57,098 58,850 55,752 54,894 Capital and total exposures - Transitional basis 24,220 20,506 20 Tier 1 capital 24,076 22,809 22,596 21,764 20,577 20.671 20,416 517,430 21 Total exposures (sum of lines 3, 11, 16 and 19) 602,730 572,441 556,186 546,136 537,779 516,639 503,504 494,297 Leverage ratios - Transitional basis 22 Basel III leverage ratio 4.0% 4.2% 4.1% 4.1% 4.0% 4.0% 4.0% 4.1% 4.1% All-in basis (required by OSFI) Tier 1 capital - All-in basis 23,726 23,624 22,360 21,666 20,862 19,682 19,716 19,520 19,284 (Regulatory adjustments) (3,573)(7,411)(3,381)(3,483)(3,333)(3,188)(3,443)(3,544)(3,305)502.552 25 Total exposures (sum of lines 21 and 24, less the amount reported in line 2) - All-in basis 602.314 572.104 555.830 545.480 537.172 516.838 516.037 493.475 26 Leverage ratio - All-in basis 3.9% 4.1% 4.0% 4.0% 3.9% 3.8% 3.8% 3.9%

(\$	millions)	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
Ro 1	w 1 Total consolidated assets as per published financial statements	560.912	528.591	513.294	501.357	494.490	478.144	479.032	463.309	457.842
2	Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation	80	120	136	129	165	130	132	228	252
3	Adjustment for fiduciary assets recognized on the balance sheet pursuant to the operative accounting framework but excluded from the leverage ratio exposure measure	-	<u>-</u>	-	<u>-</u>	-	-	_	<u>-</u>	_
4	Adjustment for derivative financial instruments	(10,126)	(7,583)	(9,775)	(12,412)	(12,067)	(13,209)	(16,662)	(11,609)	(14,614)
5	Adjustment for securities financing transactions (i.e. repos and similar secured lending)	1,989	2,013	1,682	1,772	1,135	860	1,005	1,167	1,100
6	Adjustment for off-balance sheet items (i.e. credit equivalent amounts of off-balance sheet exposures)	59,597	55,074	56,709	60,701	59,376	57,098	58,850	55,752	54,894
7	Other adjustments	(9,722)	(5,774)	(5,860)	(5,411)	(5,320)	(5,593)	(5,718)	(5,343)	(5,177)
8	Leverage ratio exposure	602,730	572,441	556,186	546,136	537,779	517,430	516,639	503,504	494,297

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



	RIS	K-WEIGH	HED AS	SE 15							
(\$ millions)		Q3/17	7	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
			Minimum								
			total capital				RWA (All-	in basis ¹)			
	_	RWA	required ²								
Credit risk ³											
Standardized approach		00.004	0.400	0.707	0.570	0.045	0.074	0.545	0.050	0.044	0.040
Corporate		26,631	2,130	3,727	3,578	3,645	3,674	3,515	3,952	3,614	3,610
Sovereign		1,550	124	777	621	780	658	627	690	753	762
Banks		438	35	439	442	521	472	438	411	327	278
Real estate secured personal lending		2,645	212	2,085	2,100	2,181	2,144	2,075	2,373	2,213	2,241
Other retail		873	70	833	666	667	647	616	695	649	641
Trading book		188	15	152	130	123	105	70	67	10	1
		32,325	2,586	8,013	7,537	7,917	7,700	7,341	8,188	7,566	7,533
AIRB approach											
Corporate		64,133	5,131	64,418	64,074	64,856	65,185	64,496	63,157	58,917	57,054
Sovereign ⁴		2,048	164	1,900	2,075	2,185	2,245	2,150	2,187	2,081	1,732
Banks		3,110	249	3,582	3,601	3,526	3,753	3,602	3,950	4,088	4,192
Real estate secured personal lending		14,566	1,165	13,691	13,156	12,115	11,497	10,483	10,242	10,477	10,409
Qualifying revolving retail		16,931	1,354	17,050	17,432	17,512	17,200	16,839	16,961	16,106	16,033
Other retail		8,296	664	8,182	7,965	7,813	7,738	7,596	7,334	7,272	7,462
Equity		813	65	699	734	705	693	717	726	725	763
Trading book		3,164	253	3,641	3,359	3,576	3,387	3,301	3,213	2,930	3,148
Securitization		1,296	104	1,340	1,398	2,218	2,290	1,981	2,108	2,011	2,063
Adjustment for scaling factor		6,852	548	6,860	6,818	6,860	6,830	6,660	6,582	6,266	6,161
		121,209	9,697	121,363	120,612	121,366	120,818	117,825	116,460	110,873	109,017
Other credit RWA		11,356	908	10,893	10,322	10,815	11,276	12,539	12,785	12,381	12,153
Total credit risk (before adjustment for CVA phase-in) ⁵		164,890	13,191	140,269	138,471	140,098	139,794	137,705	137,433	130,820	128,703
Market risk (Internal Models and IRB Approach)											
Value-at-risk (VaR)		1,203	96	1,005	989	881	911	1,346	790	719	719
Stressed VaR		2,420	194	2,066	2,104	1,623	1,729	2,019	1,978	2,051	2,075
Incremental risk charge		2,186	175	3,167	2,383	1,624	1,209	1,134	1,295	1,606	1,586
Securitization & other		169	14	85	75	47	86	15	27	32	42
Total market risk		5,978	479	6,323	5,551	4,175	3,935	4,514	4,090	4,408	4,422
Operational risk		24,327	1,946	22,452	22,081	21,746	21,327	20,202	18,180	18,194	18,139
Total RWA before adjustments for CVA phase-in and capital floor 5,6	Α	195,195	15,616	169,044	166,103	166,019	165,056	162,421	159,703	153,422	151,264
CVA adjustment ⁵		•	· · · · · · · · · · · · · · · · · · ·		,	,	,	,	,		
CET1 RWA	В	3,264	261	3,655	3,247	2,977	3,021	2,998	2,880	2,685	2,625
Tier 1 RWA	С	3,491	279	3,909	3,472	3,303	3,351	3,325	3,196	2,979	2,912
Total RWA	D	3,672	294	4,112	3,652	3,582	3,634	3,606	3,466	3,230	3,158
Capital floor adjustment ⁶											
CET1 RWA	E	n/a	n/a	2,732	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Tier 1 RWA	F	n/a	n/a	2,478	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total RWA	G	n/a	n/a	2,275	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total RWA after adjustments for CVA phase-in and capital floor ^{5, 6}											
CET1 capital RWA	A+B+E	198,459	15,877	175,431	169,350	168,996	168,077	165,419	162,583	156,107	153,889
Tier 1 capital RWA	A+C+F	198,686	15,895	175,431	169,575	169,322	168,407	165,746	162,899	156,401	154,176
Total capital RWA	A+D+G	198,867	15,910	175,431	169,755	169,601	168,690	166,027	163,169	156,652	154,422

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.

⁶ 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.

NA Not applicable.



² 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%.

³ Credit risk for The PrivateBank is calculated under the standardized approach.

⁴ Includes residential mortgages insured by Canadian Mortgage and Housing Corporation (CMHC), an agency of the government of Canada, and government guaranteed student loans.

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 is based on different RWAs, before any capital floor adjustment, beginning in Q3/14. The charge will be phased-in during 2014-2019 and relates to bilateral OTC

CHANGES IN CET1 RISK-WEIGHTED ASSETS (ALL-IN BASIS 1,2)

(\$ millions) Q3/17 vs. Q2/17 Q2/17 vs. Q1/17 Q1/17 vs. Q4/16 Q4/16 vs. Q3/16 Of which Of which Of which Of which counterparty counterparty counterparty counterparty Credit risk Credit risk credit risk credit risk 3 credit risk credit risk 3 Credit risk Credit risk Credit risk Balance at beginning of period 143.924 10.097 141.718 9.074 143.075 8.861 142.815 8.684 Book size 5,963 2,906 270 2,604 193 750 1,151 419 Book quality 5 (2,070)(301)(325)(1,507)(1,016)(425)(129)(160)Model updates (631)(1,840)(37)(51)(169)Methodology and policy 308 191 586 361 Acquisitions and disposals 26,517 90 Foreign exchange movements (5,032)(292)1,977 192 (1,224)(117)981 63 (825)(351)(12)(1,394)(172)Other 443 (1,649)(145)Balance at end of period 8 168,154 9,436 143,924 10,097 141,718 9,074 143,075 8,861 Q2/17 vs. Q1/17 Q4/16 vs. Q3/16 Q3/17 vs. Q2/17 Q1/17 vs. Q4/16 Market risk 6.323 5,551 4.175 3,935 Balance at beginning of period Movement in risk levels § (473)849 1,278 347 Model updates 6 (261)(1) (22)(46)Methodology and policy 59 Acquisitions and disposals Foreign exchange movements 330 (76)120 (61)Other Balance at end of period 5.978 6,323 5,551 4.175 Q3/17 vs. Q2/17 Q2/17 vs. Q1/17 Q1/17 vs. Q4/16 Q4/16 vs. Q3/16 Operational risk

22.081

22.452

371

21.746

22.081

335

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.

22.452

1,569

24.327

306

2 Excludes capital floor adjustment.

Balance at end of period

Balance at beginning of period

Movement in risk levels 10

Methodology and policy ⁷
Acquisitions and disposals

- 3 Comprises derivatives and repo-style transactions.
- 4 Relates to net increase/decrease in the underlying exposures.
- 5 Relates to changes in credit risk mitigation and credit quality of the borrower/counterparty.
- 6 Relates to internal model or parameter changes.
- 7 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.
- 8 Includes \$3,264 million (Q2/17: \$3,655 million) of CET1 CVA RWAs relating to bilateral OTC derivatives.
- 9 Relates to changes in open positions and market data.
- 10 Relates to changes in loss experience, business environment, internal control factors and revenue.



21.327

21,746

419

			CRE	DIT EX	(POSL	JRE (E	XPOS	URE A	T DEF	AULT ')					
(\$ millions)	Q	3/17	Q	2/17	Q	1/17	Q	4/16	Q	3/16	Q	2/16	C	1/16	Q	4/15
	AIRB	Standardized	AIRB approach	Standardized approach	AIRB approach	Standardized	AIRB approach	Standardized	AIRB approach	Standardized	AIRB	Standardized	AIRB	Standardized	AIRB	Standardized
	approach	approach	арргоасп	арргоасп	арргоасп	approach	арргоасп	approach	арргоасп	approach	approach	approach	approach	approach	approach	approach
Business and government portfolios																
Corporate Drawn	76.424	22.316	74.544	3.362	71.977	3.204	72.807	3.370	72.146	0.400	69.382	2.000	68.379	3,467	64.578	3.190
Undrawn commitments	38.629	3.693	74,544 39,935	3,362	37,667	3,204	72,807 36.845	3,370	37,054	3,126 86	36,304	3,086 86	38.239	135	37.496	3,190
	75,016		72,087	38		135	53,644	33		10	49,798		35,239		31,496	112
Repo-style transactions		675			65,326	235			51,372	440		14 443			15.694	
Other off-balance sheet	13,848	6/5 75	15,688	216	15,706	235	18,350	229	15,175	440	13,336	443	10,585	504		462
OTC derivatives	8,111		9,885		8,245		9,001	3,777	8,180		7,870		8,257	- 4 400	7,481 156.696	3,776
•	212,028	26,787	212,139	3,763	198,921	3,589	190,647	3,777	183,927	3,662	176,690	3,629	161,360	4,109	156,696	3,776
Sovereign Drawn	46,090	11,061	42,224	5,026	41,810	4,759	44,055	4,773	38,454	4,740	36,908	4,498	38,940	5,167	37,498	5,204
		11,061		5,026		4,759		4,773		4,740		4,496				5,204
Undrawn commitments	5,733	-	5,547		4,722	-	4,670		4,830		4,817 7,588	-	4,779 5,600		4,812 7,410	
Repo-style transactions	12,269 554	-	13,268 682	-	10,439 693	-	10,020		6,522 803			-	5,699		7,410 884	
Other off-balance sheet	2,487	-	3,677			-	753				759	-	742 4,559			
OTC derivatives					2,951	4.750	3,581		3,893		3,855	- 4 400			3,666	
	67,133	11,061	65,398	5,026	60,615	4,759	63,079	4,773	54,502	4,740	53,927	4,498	54,719	5,167	54,270	5,204
Banks	40.070	4.054	40.000	4 770	40.450	4.000	40.745	1,940	40.004	1,847	44 400	1,717	40.004	1,778	40.000	4.074
Drawn	10,276 984	1,854 9	10,326 1.040	1,776	10,150	1,689	10,715 1.011	1,940	13,894	1,847	11,488 889	1,717	13,081		12,889 877	1,374
Undrawn commitments		9		-	1,089	-		-	1,036	-		- -	1,002	-	33.800	
Repo-style transactions	22,459	-	22,296	-	24,008	-	22,720	-	22,386	-	22,741	-	30,807	-		· · · · · · · · · · · · · · · · · · ·
Other off-balance sheet	62,155	-	64,972		61,464		62,107		59,315		59,184		58,833		61,022	
OTC derivatives	6,350	233	7,603	219	6,053	160	6,005	167	5,900	211	5,304	56	5,759	168	5,153	26
	102,224	2,096	106,237	1,995	102,764	1,849	102,558	2,107	102,531	2,058	99,606	1,773	109,482	1,946	113,741	1,400
Gross business and government portfolios	381,385	39,944	383,774	10,784	362,300	10,197	356,284	10,657	340,960	10,460	330,223	9,900	325,561	11,222	324,707	10,380
Less: repo-style transaction collateral	98,861		95,043		88,596	-	76,263	-	71,017		71,646		62,423		64,407	
Net business and government portfolios	282,524	39,944	288,731	10,784	273,704	10,197	280,021	10,657	269,943	10,460	258,577	9,900	263,138	11,222	260,300	10,380
Retail portfolios Real estate secured personal lending Drawn	219,304	3,284	211,790	2,696	206,740	2,556	201,580	2,645	195,464	2,579	189,218	2,474	185,953	2,802	182,779	2,602
Undrawn commitments	19,967	4	19,543		17,926		18,375	-	24,050		22,743		21,176		21,396	
	239,271	3,288	231,333	2,696	224,666	2,556	219,955	2.645	219,514	2,579	211,961	2,474	207,129		204,175	2,602
Qualifying revolving retail	,	,		2,000		2,000		2,010		2,010		2,171		2,002		2,002
Drawn	21,922	-	21,578	-	21,504	-	21,597	-	21,139	-	20,661	- -	20,596	-	20,435	
Undrawn commitments	46,383	-	46,623	-	48,231	-	47,140	-	46,887	-	46,545	-	45,956		44,983	· · · · · · · · · · · · · · · · · · ·
Other off-balance sheet	311	-	302		258	-	319	-	308	-	281	-	265		304	-
Other retail	68,616	-	68,503	-	69,993	-	69,056	-	68,334	-	67,487	-	66,817	-	65,722	
Drawn	10,466	1,080	10,117	851	9,762	797	9,671	794	9,616	766	9,490	726	9,221	813	9,268	762
Undrawn commitments	2,142		2,088	27	2,073	25	2,026	26	1,999	26	1,975	25	1,910		1,888	26
Other off-balance sheet	33		34	-	36	-	32	-	32	-	32	-	38		36	
	12,641	1,110	12,239	878	11,871	822	11,729	820	11,647	792	11,497	751	11,169		11,192	788
Total retail portfolios	320,528	4,398	312,075	3,574	306,530	3,378	300,740	3,465	299,495	3,371	290,945	3,225	285,115	3,642	281,089	3,390
Securitization exposures	13,350	-	12,546	-	13,001	-	18,863	-	18,748	-	17,577	-	18,868	-	15,876	
Gross credit exposure	715,263	44,342	708,395	14,358	681,831	13,575	675,887	14,122	659,203	13,831	638,745	13,125	629,544	14,864	621,672	13,770
Less: repo-style transaction collateral	98,861	-	95,043	-	88,596	-	76,263	-	71,017	-	71,646	-	62,423	-	64,407	
Net credit exposure	616,402	44,342	613,352	14,358	593,235	13,575	599,624	14,122	588,186	13,831	567,099	13,125	567,121	14,864	557,265	13,770

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



CREDIT EXPOSURE - GEOGRAPHIC CONCENTRATION 1

\$ millions)	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
Business and government Canada									
Drawn	79,063	75,259	72,212	75,116	74,422	70,482	70,148	63,894	58,604
Undrawn commitments	34,791	36,021	33,465	32,082	32,578	31,863	32,279	32,085	30,871
Repo-style transactions	6,730	8,244	7,748	7,497	4,336	4,430	5,369	3,227	3,497
Other off-balance sheet	51,675	55,082	54,291	54,925	49,518	46,711	44,658	51,269	54,703
OTC derivatives	7,625	11,394	7,973	8,887	8,722	8,424	10,610	9,050	10,870
	179,884	186,000	175,689	178,507	169,576	161,910	163,064	159,525	158,545
United States									
Drawn	41,524	40,900	39,201	38,792	37,999	35,069	38,836	41,846	43,365
Undrawn commitments	7,596	7,403	7,360	7,923	7,937	7,556	8,355	7,589	7,407
Repo-style transactions	2,430	2,299	2,253	1,675	4,181	3,342	4,007	4,323	4,562
Other off-balance sheet	19,971	18,819	19,294	21,077	20,510	19,007	20,097	20,541	23,303
OTC derivatives	4,078	4,364	4,055	3,885	3,077	2,649	2,352	2,386	2,226
	75,599	73,785	72,163	73,352	73,704	67,623	73,647	76,685	80,863
Europe									
Drawn	3,805	3,623	4,189	5,244	4,602	4,497	5,119	3,882	4,099
Undrawn commitments	1,946	2,085	1,791	1,725	1,661	1,674	2,539	2,587	2,531
Repo-style transactions	1,166	1,232	781	460	572	485	451	496	478
Other off-balance sheet	4,376	6,892	3,715	4,717	4,761	7,052	4,855	5,082	5,553
OTC derivatives	3,282	3,502	3,427	3,687	3,726	3,694	4,007	3,642	3,127
	14,575	17,334	13,903	15,833	15,322	17,402	16,971	15,689	15,788
Other countries									
Drawn	8,398	7,312	8,335	8,425	7,471	7,730	6,297	5,343	5,806
Undrawn commitments	1,013	1,013	862	796	744	917	847	924	836
Repo-style transactions	557	833	395	489	174	224	156	204	184
Other off-balance sheet	535	549	563	491	504	509	550	708	475
OTC derivatives	1,963	1,905	1,794	2,128	2,448	2,262	1,606	1,222	1,526
	12,466	11,612	11,949	12,329	11,341	11,642	9,456	8,401	8,827
	282,524	288,731	273,704	280,021	269,943	258,577	263,138	260,300	264,023

¹ 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 1

(\$ millions)	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
Business and government portfolios									
Corporate									
Less than 1 year ²	56,711	60,057	56,518	57,633	55,488	50,532	47,050	47,455	48,044
1 - 3 years	50,325	50,961	47,897	46,676	44,333	42,794	43,718	41,773	39,223
3 - 5 years	34,676	34,822	34,003	36,411	36,344	36,729	37,930	36,547	35,775
Over 5 years	1,818	2,169	1,957	2,108	1,638	1,272	1,447	1,454	1,210
	143,530	148,009	140,375	142,828	137,803	131,327	130,145	127,229	124,252
Sovereign				•			•		
Less than 1 year ²	18,998	14,516	15,532	15,277	14,571	13,966	15,493	20,291	29,199
1 - 3 years	18,926	19,695	17,024	16,886	15,951	15,129	16,780	15,559	10,932
3 - 5 years	16,496	16,883	16,819	20,131	16,302	16,196	15,175	9,802	4,719
Over 5 years	1,213	1,871	1,344	1,504	1,581	1,545	1,939	1,607	1,564
	55,633	52,965	50,719	53,798	48,405	46,836	49,387	47,259	46,414
Banks				•			•		
Less than 1 year ²	70,511	72,948	68,075	69,199	67,043	67,425	69,690	72,018	79,922
1 - 3 years	10,773	12,768	10,212	9,042	8,787	10,504	11,174	9,414	9,442
3 - 5 years	1,611	1,573	4,008	4,627	7,396	1,573	1,710	3,354	2,997
Over 5 years	466	468	315	527	509	912	1,032	1,026	996
	83,361	87,757	82,610	83,395	83,735	80,414	83,606	85,812	93,357
Total business and government portfolios	282,524	288,731	273,704	280,021	269,943	258,577	263,138	260,300	264,023
Retail portfolios									
Real estate and secured personal lending									
Less than 1 year ²	75,496	70,478	68,450	69,027	75,233	75,821	76,395	80,552	79,913
1 - 3 years	98,288	93,231	84,631	78,550	71.028	62.362	57,985	54,158	55,112
3 - 5 years	64,414	66,324	70,175	70,880	71,746	72,266	71,271	68,117	63,600
Over 5 years	1,073	1,300	1,410	1,498	1,507	1,512	1,478	1,348	1,162
Over a yours	239,271	231,333	224,666	219,955	219,514	211,961	207,129	204,175	199,787
Qualifying revolving retail	200,211	201,000	22 1,000	210,000	210,011	211,001	201,120	201,170	100,101
Less than 1 year ²	68,616	68,503	69,993	69,056	68,334	67,487	66,817	65,722	65,174
2000 (10.11) (20.11	68,616	68,503	69,993	69,056	68,334	67,487	66,817	65,722	65,174
Other retail	00,010	00,000	00,000	00,000	00,001	01,101	00,011	00,722	00,171
Less than 1 year ²	11,754	11,501	11,274	11,242	11,204	11,092	10,785	10,813	10,804
1 - 3 years	174	186	185	180	210	210	211	214	271
3 - 5 years	214	176	148	130	116	109	104	108	108
Over 5 years	499	376	264	177	117	86	69	57	53
0101 0 10010	12,641	12,239	11,871	11,729	11,647	11,497	11,169	11,192	11,236
Total retail portfolios	320,528	312,075	306,530	300,740	299,495	290,945	285,115	281,089	276,197
Total credit exposure	603,052	600,806	580,234	580,761	569,438	549,522	548,253	541,389	540,220



Excludes securitization exposures.
 Demand loans are included in the "Less than 1 year" category.

CREDIT RISK ASSOCIATED WITH DERIVATIVES

(\$ millions)		Q	3/17		Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
	Curre	nt replacer	nent cost	Credit equivalent				Risk-w	eighted a	mount			
	Trading	ALM	Total	amount 1									
Interest rate derivatives													
Over-the-counter													
Forward rate agreements	109	-	109	24	1	2	6	2	22	14	-	8	28
Swap contracts	7,103	1,051	8,154	5,226	693	759	741	915	1,100	926	1,013	884	851
Purchased options	148	37	185	55	17	20	14	13	21	20	15	26	16
	7,360	1,088	8,448	5,305	711	781	761	930	1,143	960	1,028	918	895
Exchange-traded	-	-	-	88	2	2	1	2	1	1	2	3	2
Total interest rate derivatives	7,360	1,088	8,448	5,393	713	783	762	932	1,144	961	1,030	921	897
Foreign exchange derivatives Over-the-counter													
Forward contracts	3,894	74	3,968	3,132	970	869	839	900	732	874	911	668	814
Swap contracts	8,090	1,919	10,009	4,030	784	775	653	673	653	603	653	656	600
Purchased options	332	1	333	380	107	126	104	123	144	217	222	173	230
	12,316	1,994	14,310	7,542	1,861	1,770	1,596	1,696	1,529	1,694	1,786	1,497	1,644
Credit derivatives	,	,	•	•	,	, -	,	,	,	,	,	, -	,-
Over-the-counter	407		407	75	-	4		-	0	0	40	4.4	40
Credit default swap contracts - protection purchased	127	-	127	75	7	4	4	7	8	9	12	14	18
Credit default swap contracts - protection sold	3		3	3					-	-	- 40		- 10
	130	-	130	78	7	4	4	7	8	9	12	14	18
Equity derivatives	4.050	74	4.400	0.047	470	540	445	070	000	000	054	05.4	005
Over-the-counter	1,058	74	1,132	2,017	479	540	445	379	300	306	254	254	235
Exchange-traded	1,104		1,104	2,363	75	70	44	49	45	45	32	36	14
	2,162	74	2,236	4,380	554	610	489	428	345	351	286	290	249
Precious metal derivatives					45						_		_
Over-the-counter	58		58	32	15	20	28	17	15	10	6	6	7
Exchange-traded	112	-	112	17	1	1	1			. 5	3	8	2
	170	-	170	49	16	21	29	17	15	15	9	14	9
Other commodity derivatives	4 004		4 00 4	4 000								2.4.0	
Over-the-counter	1,004		1,004	1,830	730	1,054	991	1,025	888	743	524	616	682
Exchange-traded	72	-	72	834	33	38	37	39	43	64	68	77	30
	1,076	-	1,076	2,664	763	1,092	1,028	1,064	931	807	592	693	712
Non-trade exposure related to central counterparties					145	153	155	286	225	443	437	347	440
CET1 CVA charge				-	3,264	3,655	3,247	2,977	3,021	2,998	2,880	2,685	2,625
Total derivatives before netting	23,214	3,156	26,370	20,106	7,323	8,088	7,310	7,407	7,218	7,278	7,032	6,461	6,594
Less: effect of netting ²	·	•	(17,465)			•	•			*	•		
Total derivatives			8,905	20,106	7,323	8,088	7,310	7,407	7,218	7,278	7,032	6,461	6,594

¹ Sum of current replacement cost and potential future exposure, adjusted for the master netting agreements and the impact of collateral amounting to \$3,457 million (Q2/17: \$4,965 million). The collateral comprises cash of \$2,716 million (Q2/17: \$3,956 million) and government securities of \$742 million (Q2/17: \$1,009 million).



² 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) 1

(\$ millions)							Q3/17						Q2/17		
ντοι						Exposure	Exposure	Exposure	Exposure			Exposure	Exposure	Exposure	Exposure
					Notional of	weighted-	weighted-	weighted-	weighted-		Notional of	weighted-	weighted-	weighted-	weighted-
		Standard	Moody's Investors	EAD	undrawn commitments	average EAD %	average PD %	average LGD %	average risk	EAD	undrawn	average EAD %	average PD %	average LGD %	average risk
CIBC rating		& Poor's	Service	EAD	communents	EAD %	FU %	LGD %	weight % RWA	EAD	commitments	EAD %	PD %	LGD %	weight % RWA
Corporate	PD bands	equivalent	equivalent												
Investment grade															
10	0.03%-0.03%	AAA	Aaa	2,015	16	69	0.02	15	3 57	1,934	16	72	0.02	18	3 61
21	0.03%-0.03%	AA+	Aa1	875	257	63	0.03	24	3 23	478	276	64	0.03	19	4 19
24	0.04%-0.05%	AA	Aa2	4,605	604	67	0.04	12	3 126	6,050	872	65	0.04	10	2 134
27	0.05%-0.06%	AA-	Aa3	5,452	642	64	0.05	12	4 189	8,967	726	65	0.05	12	3 306
31	0.07%-0.09%	A+	A1	5,280	1,474	64	0.08	34	18 954	5,239	1,621	65	0.08	31	17 871
34	0.09%-0.12%	A	A2	7,045	3,047	65	0.10	35	23 1,629	7,040	3,215	65	0.10	34	23 1,645
37	0.13%-0.16%	A-	A3	10,223	6,233	65	0.13	40	32 3,319	10,142	5,857	66	0.13	41	34 3,421
41 44	0.15%-0.22%	BBB+	Baa1 Baa2	20,821 14,416	11,693 7,842	66 66	0.17 0.24	43 42	38 7,890 44 6,336	19,197	10,065	66 66	0.17 0.24	42	38 7,294 45 6,919
47	0.19%-0.30% 0.31%-0.38%	BBB BBB-	Baa3	17,518	8,644	68	0.33	37	48 8,445	15,518 16,528	8,019 7,983	68	0.24	37	45 6,919 48 7,960
41	0.31%-0.36%	DDD-	Dado	88,250	40,452	66	0.18	36	33 28,968	91,093	38,650	66	0.33	34	31 28,630
Non-investment gra	ade			00,230	70,732	- 00	0.10	30	33 20,300	91,093	30,030	00	0.17	34	31 20,030
51	0.39%-0.61%	BB+	Ba1	14,401	7,588	45	0.51	35	55 7,850	15,735	9,129	53	0.47	34	48 7,603
54	0.62%-1.09%	BB	Ba2	14,804	6,854	50	0.70	33	54 8,054	13,892	6,662	55	0.70	33	56 7,756
57	1.10%-1.92%	BB-	Ba3	10,780	4,542	51	1.28	33	68 7,341	10,802	4,654	56	1.28	34	68 7,390
61	1.93%-3.69%	B+	B1	7,403	3,078	52	2.07	30	68 4,998	7,792	3,245	56	2.06	31	69 5,408
64	3.70%-7.27%	В	B2	4,166	1,294	56	3.99	32	85 3,523	4,407	1,553	57	4.09	32	85 3,732
67	7.28%-12.11%	B-	B3	1,038	224	50	8.62	33	122 1,265	1,214	279	54	8.72	33	118 1,432
				52,592	23,580	49	1.38	33	63 33,031	53,842	25,522	55	1.40	33	62 33,321
Watch list															
70	12.12%-20.67%	CCC+	Caa1	778	280	48	17.91	38	188 1,465	680	340	53	18.05	43	208 1,413
75	12.12%-20.67%	CCC to CCC-	Caa2 to Caa3	56	1	55	16.72	82	378 211	76	9	50	16.72	59	277 210
80	20.68%-99.99%	CC to C	Ca	329	112	44	35.44	29	148 487	664	297	52	34.63	33	173 1,149
Defect				1,163	393	47	22.81	38	186 2,163	1,420	646	52	25.73	39	195 2,772
Default 90	100.00%	D	С	411	36	48	100.00	36	228 959	456	55	50	100.00	30	209 953
50	100.00 %			411	36	48	100.00	36	228 959	456	55	50	100.00	30	209 953
				142,416	64,461	60	1.10	35	46 65,121	146,811	64,873	62	1.18	34	45 65,676
Sovereign					,					,	2.,0.0			•	
Investment grade															
00	0.01%-0.015%	AAA	Aaa	32,367	189	64	0.01	5	1 204	32,041	189	65	0.01	3	- 143
10	0.016%-0.025%	AAA	Aaa	14,342	2,949	63	0.02	13	3 416	10,713	2,298	64	0.02	13	3 283
21	0.016%-0.025%	AA+	Aa1	1,343	772	63	0.02	18	3 34	3,081	1,503	63	0.02	11	2 64
24	0.016%-0.025%	AA	Aa2	2,238	586	65	0.02	38	6 143	1,957	375	67	0.02	38	7 137
27	0.026%-0.035%	AA-	Aa3	1,493	1,580	66	0.03	17	5 70	1,434	1,425	66	0.03	17	5 73
31	0.036%-0.05%	A+	A1	1,059	983	66	0.04	21	7 72	966	806	68	0.04	22	6 61
34	0.06%-0.065%	A	A2	938	835	66	0.05	19	7 69	868	811	67	0.05	17	7 65
37 41	0.066%-0.08%	A- BBB+	A3	489 523	502	66	0.08	17	10 50 12 62	688	671	66	0.08	14	9 59 13 46
41	0.09%-0.16%	BBB BBB	Baa1 Baa2	142	249 58	66 69	0.14 0.24	19 45	40 57	348 159	115 55	70 69	0.14 0.24	21 44	40 63
47	0.16%-0.26% 0.27%-0.42%	BBB-	Baa3	60	40	69	0.24	53	54 32	59	43	68	0.24	44	45 26
47	0.27%-0.42%	DDD-	Dado	54,994	8,743	65	0.02	10	2 1,209	52,314	8,291	65	0.02	8	2 1,020
Non-investment gra	ade			04,004	0,140		V.V.		2 1,200	02,014	0,201		0.02		2 1,020
51	0.43%-0.61%	BB+	Ba1	559	179	36	0.53	10	12 65	581	237	50	0.53	12	15 87
54	0.62%-1.09%	BB	Ba2	38	13	52	0.73	43	74 28	37	19	57	0.73	45	80 30
57	1.10%-1.92%	BB-	Ba3	8	3	58	1.40	44	97 8	10	2	64	1.40	33	66 6
61	1.93%-3.99%	B+	B1	12	2	68	2.45	14	31 4	12	2	68	2.45	18	44 5
64	4.00%-7.27%	В	B2	18	1	69	6.00	30	100 19	8	1	67	6.00	30	94 8
67	7.28%-12.11%	B-	B3	2	-	-	9.57	74	353 6	1	-	-	9.57	77	372 5
				637	198	38	0.77	13	20 130	649	261	51	0.68	14	22 141
Watch list			_												
70	12.12%-20.67%	CCC+	Caa1	ļ <u>-</u>	······································			-							
75	12.12%-20.67%	CCC to CCC-	Caa2 to Caa3	2	3	69	16.72	25	118 2	2	3	67	16.72	25	118 2
80	20.68%-99.99%	CC to C	Ca	-	- 3	-	16.72	-		-	-	-	- 40.70	-	
Default				2	3	69	16.72	25	118 2	2	3	67	16.72	25	118 2
Default 90	100.00%	D	С	_	_	_	_	_		_	_	_	-	_	
30	100.00 /6	<u>D</u>								<u> </u>	-				
				55,633	8,944	64	0.03	10	2 1,341	52,965	8,555	65	0.03	8	2 1,163
For footnotes, see page	- 40			55,055	0,077	V-7	0.03	10	2 1,071	02,000	0,000	00	0.00	U	2 1,103

For footnotes, see page 16.



CREDIT QUALITY OF AIRB EXPOSURE - BUSINESS AND GOVERNMENT PORTFOLIOS (RISK RATING METHOD) (continued)

(\$ millions)							Q3/17			Q2/17							
		Standard	Moody's Investors	EAD	Notional of undrawn commitments	Exposure weighted- average EAD %	Exposure weighted- average PD %	Exposure weighted- average LGD %	Exposure weighted- average risk weight %	RWA	FAD	Notional of undrawn commitments	Exposure weighted- average EAD %	Exposure weighted- average PD %	Exposure weighted- average LGD %	Exposure weighted- average risk weight %	
CIBC rating		& Poor's	Service	LAD	Commitments	LAD //	15 /0	200 /0	Weight 70	111171	LAD	COMMINICATION	L/10 /0	1 1 70	200 /0	Weight 70	
Banks Investment grade	PD bands	equivalent	equivalent														
10	0.03%-0.03%	AAA	Aaa	2,242	<u>-</u>	-	0.02	21	5	115	1,784	<u>-</u>		0.02	22	6_	98
21	0.03%-0.03%	AA+	Aa1	44	82	-	0.03	26	7	3	104	88	-	0.02	9	3	3
24	0.04%-0.05%	AA	Aa2	34,617	<u>-</u>	-	0.04	7	1	398	35,615	<u>-</u>	-	0.04	7	11	463
27	0.05%-0.06%	AA-	Aa3	5,568	<u> </u>		0.05	15	6	330	6,128	<u>-</u>		0.05	17	6	377
31	0.07%-0.09%	A+	A1	12,682	49	65	0.08	25	9	1,144	14,440	50	65	0.08	24	9	
34	0.09%-0.12%	Α	A2	13,967	67	64	0.10	6	3	462	13,966	74	65	0.10	7	4	495
37	0.13%-0.16%	A-	A3	6,692	431	63	0.13	15	8	557	7,934	477	64	0.13	15	8	672
41	0.17%-0.22%	BBB+	Baa1	5,149	115	68	0.17	15	11	569	4,226	90	66	0.17	15	11	480
44	0.23%-0.30%	BBB	Baa2	932	516	64	0.24	11	10	93	1,617	815	64	0.24	10	10	165
47	0.31%-0.42%	BBB-	Baa3	387	302	63	0.34	13	14	55	548	104	64	0.34	19	20	112
				82,280	1,562	61	0.08	12	5	3,726	86,362	1,698	61	0.08	12	5	4,138
Non-investment of								_				_					
51	0.43%-0.61%	BB+	Ba1	119	76	46	0.53	9	22	26	85	3	64	0.53	31	45	38
54	0.62%-1.09%	BB	Ba2	316	-	-	0.73	12	19	59	452	-	-	0.73	12	19	84
57	1.10%-1.92%	BB-	Ba3	49	4	32	1.40	32	80	39	36			1.40	20	46	16
61	1.93%-3.99%	B+	B1	309	1	68	2.45	8	19	60	334	3	60	2.45	10	26	88
64	4.00%-7.27%	В	B2	303	·	· · · · · · · · · · · · · · · · · · ·	6.00	16	59	179	484	-	-	6.00	16	60	289
67	7.28%-12.11%	В-	B3		-						-	-					
144 4 1 12 4				1,096	81	46	2.85	13	33	363	1,391	6	61	2.98	14	37	515
Watch list 70	12.12%-20.67%	CCC+	Caa1	10	<u>-</u>	-	16.72	16	82	8	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
75	12.12%-20.67%		Caa2 to Caa3	-	-	-	<u>-</u>	<u>-</u>	<u>-</u>	-	-	-	-	-	<u>-</u>	<u>-</u>	-
80	20.68%-99.99%	CC to C	Ca	-	-	-	-	-	-	•	-	-	-	-	-	-	-
Default				10	-	-	16.72	15	80	8	-	-	-	-	-	-	-
90	100.00%	D	С		-	-	-			-	4	-	-	100.00	40	501	18
				-	-	-	-	-	-	-	4	-	-	100.00	40	501	18
				83,386	1,643	60	0.11	12	5	4,097	87,757	1,704	61	0.13	12	5	4,671
Commonsial months	ana (Clattina anna	h		281,435	75,048	60	0.59	23	25	70,570	287,532	75,132	62	0.65	23	25	71,510
Commercial mortga Strong	ages (Slotting appr	oacnj	i	943	108	52			70	660	1,024	10	60			70	717
Good				98	4	50			90	88	1,024	-				91	96
Satisfactory				43	15	60			114	49	52	17	71			115	60
Weak				1	-	-			200	2	10					260	26
Default				<u>1</u>	····· <u>·</u>						7	-	<u>-</u>			200	
Delault				1.089	127	53			73	799	1,199	27	67			75	899
Total business	s and government			282,524	75,175	60				71,369	288,731	75,159	62				72,409
i otal busines	s and government			202,524	/5,1/5	60			25	71,309	200,731	75,159	62			25	72,409

For footnotes, see page 16.



CREDIT QUALITY OF AIRB EXPOSURE - BUSINESS AND GOVERNMENT PORTFOLIOS (RISK RATING METHOD) 1

(\$ millions)						(Q1/17						Q4/16		
,						Exposure	Exposure	Exposure	Exposure			Exposure	Exposure	Exposure	Exposure
					Notional of	weighted-	weighted-	weighted-	weighted-		Notional of	weighted-	weighted-	weighted-	weighted-
		Standard	Moody's Investors	EAD	undrawn commitments	average EAD %	average PD %	average LGD %	average risk weight % RWA	EAD	undrawn commitments	average EAD %	average PD %	average LGD %	average risk weight % RWA
CIBC rating		& Poor's	Service	LAD	communents	LAD /0	10 /0	LOD /t	weight /0 KWA	LAD	Communicates	LAD /c	1 D /0	LOD //	weight /0 KWA
Corporate Investment grade	PD bands	equivalent	equivalent												
10	0.03%-0.03%	AAA	Aaa	1,892	2	76	0.02	18	4 72	2,092	47	71	0.02	16	4 83
21	0.03%-0.03%	AA+	Aa1	470	264	64	0.03	18	4 19	486	272	64	0.03	20	5 27
24	0.04%-0.05%	AA	Aa2	5,806	965	65	0.04	11	2 142	6,717	764	65	0.04	7	2 104
27	0.05%-0.06%	AA-	Aa3	8,740	634	65	0.05	13	3 282	10,783	1,095	64	0.05	13	4 381
31	0.07%-0.09%	A+	A1	4,227	1,425	65	0.08	34	19 791	3,943	1,564	65	0.08	34	20 781
34	0.09%-0.12%	A	A2	5,938	2,530	66	0.10	38	25 1,498	5,966	2,563	66	0.10	38	25 1,473
37	0.13%-0.16%	A-	A3	11,313	6,918	65	0.13	38	32 3,583	11,001	6,011	65	0.13	40	33 3,578
41	0.17%-0.22%	BBB+	Baa1	18,326	9,965	66	0.17	43	40 7,269	19,020	10,077	66	0.17	43	41 7,781
44	0.23%-0.30%	BBB	Baa2	13,884	6,578	67	0.25	43	46 6,318	12,830	5,820	67	0.25	43	46 5,929
47	0.31%-0.42%	BBB-	Baa3	15,798	8,526	67	0.34	39	50 7,948	16,196	8,689	67	0.34	40	52 8,471
Non-investment gra	ade			86,394	37,807	66	0.17	35	32 27,922	89,034	36,902	66	0.17	34	32 28,608
51	0.43%-0.61%	BB+	Ba1	13,244	6,232	54	0.53	36	56 7,410	13,072	5,885	54	0.53	36	56 7,325
54	0.62%-1.09%	BB	Ba2	13,893	6,467	55	0.74	33	57 7,925	13,883	6,981	54	0.74	33	58 8,089
57	1.10%-1.92%	BB-	Ba3	10,449	4,527	56	1.34	34	69 7,230	10,187	4,496	56	1.34	34	71 7,219
61	1.93%-3.99%	B+	B1	7,374	3,145	56	2.23	32	72 5,312	6,899	2,634	57	2.19	32	72 4,956
64	4.00%-7.27%	B	B2	4,260	1,317	58	4.44	34	93 3,980	4,158	1,158	58	4.40	34	94 3,923
67	7.28%-12.11%	B-	B3	1,068	252	56	9.10	33	120 1,279	1,131	270	56	9.18	33	123 1,389
\A/-4-b E-4				50,288	21,940	55	1.52	34	66 33,136	49,330	21,424	55	1.51	34	67 32,901
Watch list 70	12.12%-20.67%	CCC+	Caa1	849	392	52	18.42	36	174 1,482	981	536	52	18.26	32	159 1,562
75	12.12%-20.67%	CCC to CCC-	Caa2 to Caa3	96	19	36	17.03	43	208 199	59	6	43	17.03	37	178 104
80	20.68%-99.99%	CC to C	Ca	784	521	53	33.49	26	138 1,083	929	480	52	33.14	24	126 1,169
	20.0070 00.0070			1,729	932	52	25.18	32	160 2,764	1,969	1,022	52	25.25	28	144 2,835
Default				.,						1,000	.,				,,,,,
90	100.00%	D	С	561	6	55	100.00	29	211 1,186	803	25	56	100.00	28	193 1,546
				561	6	55	100.00	29	211 1,186	803	25	56	100.00	28	193 1,546
Sovereign Investment grade				138,972	60,685	62	1.37	34	47 65,008	141,136	59,373	62	1.56	34	47 65,890
00	0.01%-0.015%	AAA	Aaa	29,701	189	65	0.01	5	1 236	29,710	187	65	0.01	5	1 249
10	0.016%-0.025%	AAA	Aaa	11,033	1,336	64	0.02	15	3 334	12,993	1,379	64	0.02	14	3 401
21	0.016%-0.025%	AA+	Aa1	2,777	1,475	63	0.02	12	2 61	3,895	1,481	63	0.02	11	2 84
24	0.016%-0.025%	AA	Aa2	2,089	374	67	0.02	39	7 149	1,978	413	67	0.02	39	7 146
27	0.026%-0.035%	AA-	Aa3	1,443	1,213	68	0.03	19	5 70	1,283	1,183	67	0.03	17	5 63
31	0.036%-0.05%	A+	A1	945	798	68	0.04	24	8 71	1,008	795	68	0.04	23	7 74
34	0.06%-0.065%	A	A2	867	753	67	0.05	16	7 61	938	698	66	0.05	16	7 62
37	0.066%-0.08%	A-	A3	354	325	67	0.09	17	11 39	332	313	67	0.09	16	11 37
41	0.09%-0.16%	BBB+	Baa1	670	445	67	0.15	16	11 72	613	435	66	0.15	15	11 66
44	0.16%-0.26%	BBB	Baa2	139	62	70	0.25	45	43 59	116	35	71	0.25	49	45 52
47	0.27%-0.42%	BBB-	Baa3	93	45	69	0.35	42	51 48	150	60	73	0.35	41	50 75
Non-investment gra	ade			50,111	7,015	66	0.02	11	2 1,200	53,016	6,979	66	0.02	10	2 1,309
51	0.43%-0.61%	BB+	Ba1	70	35	53	0.55	46	59 41	38	29	56	0.55	51	77 29
54	0.62%-1.09%	BB	Ba2	502	207	39	0.76	8	12 59	714	179	36	0.76	4	6 41
57	1.10%-1.92%	BB-	Ba3	13	4	64	1.45	31	62 8	14	4	66	1.45	21	45 6
61	1.93%-3.99%	B+	B1	9	11	65	2.54	12	32 3	4	·····		2.54	22	58 2
64	4.00%-7.27%	B	B2	10	· · · · · · · · · · · · · · · · · · ·	-	6.23	39	133 13	6	-	-	6.23	32	116 7
67	7.28%-12.11%	B-	B3	2			9.77	75	362 6	2			9.77	80	389 6
144 4 L P 4				606	247	41	0.89	13	22 130	778	212	39	0.83	7	12 91
Watch list 70	12.12%-20.67%	CCC+	Caa1	-	-	-	-	-		2	-	-	17.03	94	482 11
75	12.12%-20.67%	CCC to CCC-	Caa2 to Caa3	2	3	67	17.03	25	119 2	2	3	67	17.03	25	119 2
80	20.68%-99.99%	CC to C	Ca	-	-		-			-				-	
				2	3	67	17.03	25	119 2	4	3	67	17.03	65	325 13
Default	400.0001	5	_												
90	100.00%	D	C	-	-	-	-	-		-	-	-	-	-	
				50,719	7,265	65	0.03	11	3 1,332	53,798	7,194	65	0.03	10	3 1,413
For footnotes, see pag	ie 16								·	•					



CREDIT QUALITY OF AIRB EXPOSURE - BUSINESS AND GOVERNMENT PORTFOLIOS (RISK RATING METHOD) (continued)

(Φ ΠΙΙΙΙΙΟΠS)							Q1/17							Q4/10			
CIDO servisos		Standard	Moody's Investors	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 %	
CIBC rating Banks Investment grade	PD bands	& Poor's equivalent	Service equivalent														
10	0.03%-0.03%	AAA	Aaa	1,809	_	_	0.02	22	5	94	2,002	_	_	0.02	19	5	95
21	0.03%-0.03%	AA+	Aa1	34	82	-	0.03	35	11	94	42	82		0.03	22	8	3
24	0.04%-0.05%	AA	Aa2	33,466	-		0.04	7	1	420	33,810	-	-	0.04	7	1	431
27	0.05%-0.06%	AA-	Aa3	5,504	-		0.05	15	6	328	4,833			0.05	21	8	372
31	0.07%-0.09%	A+	A1	12,612	50	65	0.08	23	9	1,096	12,122	50	65	0.08	20	8	957
34	0.09%-0.12%	Α	A2	13,749	70	65	0.10	8	4	558	13,543	72	65	0.10	7	4	524
37	0.13%-0.16%	A-	A3	7,382	497	64	0.13	15	8	622	7,619	497	64	0.13	14	8	602
41	0.17%-0.22%	BBB+	Baa1	4,248	280	64	0.17	15	12	529	5,334	232	65	0.17	12	10	532
44	0.23%-0.30%	BBB	Baa2	1,057	624	64	0.25	12	10	106	1,193	624	64	0.25	12	10	118
47	0.31%-0.42%	BBB-	Baa3	1,095	104	64	0.35	15	19	203	1,195	12	97	0.35	14	17	202
				80,956	1,707	61	0.08	12	5	3,960	81,693	1,569	61	0.08	11	5	3,836
Non-investment gr																	
51	0.43%-0.61%	BB+	Ba1	300	75	54	0.55	22	31	94	383	81	54	0.55	26	34	129
54	0.62%-1.09%	BB	Ba2	350	1	63	0.76	5	9	31	651	1	59	0.76	14	22	141
57	1.10%-1.92%	BB-	Ba3	19	-	-	1.45	25	50	9	89	-	-	1.45	28	61	54
61	1.93%-3.99%	B+	B1	402	6	51	2.54	11	28	114	172	8	53	2.54	14	38	66
64	4.00%-7.27%	В	B2	580	-	-	6.23	18	68	394	403	-	-	6.23	14	50	201
67	7.28%-12.11%	В-	B3	-	-	-	-	-	-	-	-	-			-	-	-
Watch list				1,651	82	54	3.09	14	39	642	1,698	90	54	2.23	17	35	591
	12.12%-20.67%	CCC+	Caa1	1	_	_	17.03	23	119	1	1	_	_	17.03	23	109	1
	12.12%-20.67%		Caa2 to Caa3		-	-	-			<u>-</u>		-	-	-	- -		· <u>-</u>
	20.68%-99.99%	CC to C	Ca		-	-		-	-	<u>-</u>			-				·
	20.0070 00.0070			1	-	-	17.03	18	90	1	1	-	-	17.03	15	70	1
Default 90	100.00%	D	С	_	_	_	_	_	_	_	_	_	_	_	_	_	_
	100.0070			_	-	-	-	-	_	-	_	-	-	-	_	_	
				82.608	1.789	61	0.14	12	6	4,603	83,392	1.659	61	0.12	11	5	4,428
				272,299	69,739	62	0.75	23		70,947	278,326	68,226	62	0.83	23	26	71,731
Commercial mortgag	ges (Slotting appr	roach)			·					· ·		·					
Strong	- ,	•		1,229	9	56			70	861	1,467	5	60			70	1,027
Good				105		-			90	95	127	-	-			90	114
Satisfactory				58	18	67			116	67	86	24	71			114	98
Weak				6					267	16	8	······	-			250	20
Default				7					-		7	-	-				-
				1,405	27	63			74	1,039	1,695	29	69	-	-	74	1,259
T	and government			273,704	69.766	62				71,986	280,021	68.255	62				72,990

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



(\$ millions)						Q3/17				
		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 %
Canadian residential mortgages and HELOCs	PD bands									
Insured Drawn and Undrawn ³						_				
Exceptionally low	0.01% - 0.10%	89,986			0.01	5	1	836	1	1
	0.11% - 0.20%	368	·		0.18	22	21	76		21
Very low	0.21% - 0.35%	715		-	0.25	19	21	148	-	21
	0.36% - 0.50%	1	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	0.47	16	24	·		25
Low	0.51% - 1.00%	77	-	•	0.53	21	33	26	-	35
	<u></u>	91,147	•	•	0.01	5	1	1,086	1	1
Uninsured Undrawn ⁴							_		_	
Exceptionally low	0.01% - 0.10%	12,999	43,718	30	0.04	31	<u>3</u>	440	2	4
	0.11% - 0.20%	6,052	6,884	88	0.14	24	7	453	2	8
Very low	0.21% - 0.35%	400	1,196	33	0.34	35	21	84		22
	0.36% - 0.50%	-		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		-	
Low	0.51% - 1.00%	311	1,032	30	0.53	31	26	79	1	28
	1.01% - 2.00%	165	507	32	1.16	35	48	79	1	53
Medium	2.01% - 5.00%	30	77	39	4.36	38	115	34		135
	5.01% - 10.00%	·	·			· · · · · · · · · · · · · · · · · · ·				
High	10.01% - 99.99%	11	30	36	26.84	38	218	23	1	344
Default	100.00%	-		-	-	-	•	-	-	-
		19,968	53,444	37	0.11	29	6	1,192	7	6
Uninsured Drawn ⁴										
Exceptionally low	0.01% - 0.10%	67,817	n/a	n/a	0.06	20	3	2,097	8	3
	0.11% - 0.20%	14,079	n/a	n/a	0.18	23	9	1,205	6	9
Very low	0.21% - 0.35%	21,237	n/a	n/a	0.31	18	10	2,202	12	11
	0.36% - 0.50%	300	n/a	n/a	0.44	21	15	44	-	16
Low	0.51% - 1.00%	6,299	n/a	n/a	0.77	24	25	1,571	12	27
	1.01% - 2.00%	14,595	n/a	n/a	1.26	18	26	3,781	33	29
Medium	2.01% - 5.00%	3,149	n/a	n/a	3.68	21	59	1,848	24	68
	5.01% - 10.00%	34	n/a	n/a	7.35	19	73	25	-	90
High	10.01% - 99.99%	422	n/a	n/a	32.93	22	121	511	30	209
Default	100.00%	224	n/a	n/a	100.00	24	40	90	64	396
		128,156	n/a	n/a	0.66	20	10	13,374	189	12
Qualifying revolving credit										
Exceptionally low	0.01% - 0.10%	28,879	34,945	75	0.04	91	3	741	11	3
	0.11% - 0.20%	8,187	9,184	68	0.14	86	7	561	10	8
Very low	0.21% - 0.35%	5,672	5,272	76	0.27	83	11	638	13	14
	0.36% - 0.50%	3,811	3,935	58	0.41	88	17	643	14	21
Low	0.51% - 1.00%	5,465	4,414	59	0.77	83	26	1,425	35	34
	1.01% - 2.00%	7,020	3,957	66	1.42	89	44	3,084	88	60
Medium	2.01% - 5.00%	6,496	2,936	64	3.06	86	75	4,859	172	108
	5.01% - 10.00%	1,600	371	69	7.21	82	125	1,999	95	199
High	10.01% - 99.99%	1,445	550	89	27.49	86	201	2,901	342	497
Default	100.00%	41	·		100.00	83	195	80	32	1,161
		68,616	65,564	71	1.38	88	25	16,931	812	39
Other retail			*		-					
Exceptionally low	0.01% - 0.10%	3,068	1,505	67	0.08	36	7	210	1	7
	0.11% - 0.20%	173	152	69	0.12	85	24	41		25
Very low	0.21% - 0.35%	1,157	623	48	0.29	79	41	476	3	44
	0.36% - 0.50%	243	239	47	0.42	84	54	132	1	59
Low	0.51% - 1.00%	1,180	476	49	0.67	74	63	739	6	69
	1.01% - 2.00%	3,057	147	57	1.40	84	96	2,933	36	110
Medium	2.01% - 5.00%	2,424	114	61	3.08	66	92	2,237	52	119
	5.01% - 10.00%	513	80	66	7.11	82	127	653	30	201
High	10.01% - 99.99%	773	301	61	44.47	41	83	643	87	226
Default	100.00%	53	······································	······································	100.00	79	435	232	30	1,137
	.33.0070	12,641	3,637	59	4.48	65	66	8,296	246	90
	<u> </u>	320,528	122,645	56	0.75	33	13	40,879	1,255	18

For footnotes, see page 20.



(\$ millions)						Q2/17				
		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 % 2
Canadian residential mortgages and HELOCs	PD bands	EAD	Communients	EAD %	PD %	LGD %	risk weight 76	KWA	105562	risk weight %
Insured Drawn and Undrawn ³	. 5 5445									
Exceptionally low	0.01% - 0.10%	93,376	-	-	0.01	5	1	868	1	1
	0.11% - 0.20%	399	-	-	0.18	22	21	84	-	22
Very low	0.21% - 0.35%	722	-	-	0.25	20	21	154	-	22
***************************************	0.36% - 0.50%	1	-		0.46	18	26	-		27
Low	0.36% - 0.50%	80	-	-	0.53	21	34	27	-	35
		94,578	-	-	0.01	5	1	1,133	1	1
Uninsured Undrawn ⁴	0.040/ 0.400/	10.010	40.550		2.24			407		
Exceptionally low	0.01% - 0.10%	12,642	42,558	30	0.04	32	3	437	2	4
M-m-la	0.11% - 0.20%	6,045	6,852	88	0.14	24	8	454	2	8
Very low	0.21% - 0.35%	378	1,130	34	0.34	36	21	80	-	23
Law	0.36% - 0.50% 0.51% - 1.00%	292	972	30	0.53	- 31	26	- 75	-	28
Low								75 75	 1	
Modium	1.01% - 2.00%	151	456 67	33	1.17	36	50			55 135
Medium	2.01% - 5.00% 5.01% - 10.00%	27	67	41	4.29	38	114	31	-	135
High	10.01% - 10.00%	8	21	36	26.55	36	211	16	1	332
Default		o	ZI		∠0.55	- 30			<u>-</u>	332
Default	100.00%	19,543	52,056	38	0.11	29	- 6	1,168	- 6	- 6
Uninsured Drawn ⁴	-	19,545	52,056	30	0.11	29	0	1,100	0	U
Exceptionally low	0.01% - 0.10%	61,781	n/a	n/a	0.06	21	3	2,007	8	3
LACEPHONEILY IOW	0.11% - 0.20%	14,101	n/a	n/a	0.18	23	9	1,237	6	9
Very low	0.21% - 0.35%	18,402	n/a	n/a	0.32	19	11	1,999	11	12
voly low	0.36% - 0.50%	312	n/a	n/a	0.43	22	15	48	-	16
Low	0.51% - 1.00%	6,775	n/a	n/a	0.78	24	25	1,675	12	27
LOW	1.01% - 2.00%	12,071	n/a	n/a	1.26	18	26	3,131	27	29
Medium	2.01% - 5.00%	3,176	n/a	n/a	3.59	22	60	1,902	25	70
medium	5.01% - 10.00%	27	n/a	n/a	7.53	19	75	20		92
High	10.01% - 99.99%	341	n/a	n/a	33.08	22	120	408	24	207
Default	100.00%	226	n/a	n/a	100.00	24	42	96	63	392
		117,212	n/a	n/a	0.67	21	11	12,523	176	13
Qualifying revolving credit		,	11/4	170	0.07			12,020		
Exceptionally low	0.01% - 0.10%	29,342	35,559	76	0.04	89	3	734	11	3
	0.11% - 0.20%	8,400	6,277	67	0.15	84	7	601	11	9
Very low	0.21% - 0.35%	3,034	488	83	0.24	84	10	315	6	13
	0.36% - 0.50%	6,675	3,240	62	0.40	86	16	1,073	23	20
Low	0.51% - 1.00%	2,818	350	56	0.80	84	27	767	19	36
	1.01% - 2.00%	9,812	2,837	65	1.46	87	44	4,341	125	60
Medium	2.01% - 5.00%	6,031	5,294	64	3.59	87	83	5,029	188	122
	5.01% - 10.00%	1,184	2,344	76	8.44	82	138	1,638	82	225
High	10.01% - 99.99%	1,166	9,312	78	31.15	87	211	2,460	318	551
Default	100.00%	41	-	-	100.00	84	224	92	31	1,176
		68,503	65,701	71	1.38	87	25	17,050	814	40
Other retail										
Exceptionally low	0.01% - 0.10%	2,949	1,527	66	0.08	36	7	200	1	7
***************************************	0.11% - 0.20%	167	129	67	0.13	84	26	43		27
Very low	0.21% - 0.35%	1,027	580	47	0.29	79	41	425	2	44
	0.36% - 0.50%	440	216	47	0.40	76	48	212	1	52
Low	0.51% - 1.00%	913	570	53	0.69	76	65	590	5	71
	1.01% - 2.00%	3,088	159	55	1.40	84	97	2,992	36	112
Medium	2.01% - 5.00%	2,388	156	71	3.21	67	93	2,226	54	121
	5.01% - 10.00%	486	65	57	7.59	83	131	635	31	209
High	10.01% - 99.99%	727	184	59	44.74	40	83	605	83	227
Default	100.00%	54	-	-	100.00	82	467	253	29	1,131
		12,239	3,586	59	4.49	65	67	8,181	242	92
		312,075	121,343	57	0.74	33	13	40,055	1,239	18

For footnotes, see page 20.



Notional of weighted- we	Exposure weighted-weighted-average average PD % LGD % 0.01 5 0.18 22 0.26 20 0.47 16 0.54 21 0.01 5 0.04 32 0.14 24 0.30 35 0.53 31 1.16 35 4.30 36 26.87 38	Exposure weighted-average risk weight % 1	861 81 152 29 1,123 428 341 104	Expected	Expected losses adjusted average risk weight % 2 1 21 23 24 36 1
PP bands	weighted-average PD % LGD % 0.01 5 0.18 22 0.26 20 0.47 16 0.54 21 0.01 5 0.04 32 0.14 24 0.30 35 0.53 31 1.16 35 4.30 36	average risk weight % 1 21 22 24 34 1 3 7 19 - 26 48	861 81 152 - 29 1,123 428 341 104	1	average risk weight % ² 1 21 23 24 36 1
PD bands	average PD % average LGD % 0.01 5 0.18 22 0.26 20 0.47 16 0.54 21 0.01 5 0.04 32 0.14 24 0.30 35 - - 0.53 31 1.16 35 4.30 36 - - - -	average risk weight % 1 21 22 24 34 1 3 7 19 - 26 48	861 81 152 - 29 1,123 428 341 104	1	average risk weight % ² 1 21 23 24 36 1
PD bands	0.01 5 0.18 22 0.26 20 0.47 16 0.54 21 0.01 5 0.04 32 0.14 24 0.30 35 0.53 31 1.16 35 4.30 36	1 21 22 24 34 1 1 3 7 7 19 - 26 48	861 81 152 - 29 1,123 428 341 104	1 1 2	1 21 23 24 36 1
Insured Drawn and Undrawn Exceptionally low 0.01% - 0.10% 93,279 - - -	0.18 22 0.26 20 0.47 16 0.54 21 0.01 5 0.04 32 0.14 24 0.30 35 	21 22 24 34 1 1 3 7 19 - 26 48	81 152 - 29 1,123 428 341 104	- - 1 1 2	21 23 24 36 1
Exceptionally low	0.18 22 0.26 20 0.47 16 0.54 21 0.01 5 0.04 32 0.14 24 0.30 35 	21 22 24 34 1 1 3 7 19 - 26 48	81 152 - 29 1,123 428 341 104	- - 1 1 2	21 23 24 36 1
Ner	0.18 22 0.26 20 0.47 16 0.54 21 0.01 5 0.04 32 0.14 24 0.30 35 	21 22 24 34 1 1 3 7 19 - 26 48	81 152 - 29 1,123 428 341 104	- - 1 1 2	21 23 24 36 1
Very low 0.21% - 0.35% 694 - - Low 0.56% - 0.50% 1 - - Uninsured Undrawn 4	0.26 20 0.47 16 0.54 21 0.01 5 0.04 32 0.14 24 0.30 35 	22 24 34 1 1 3 7 19 26 48	152 29 1,123 428 341 104	1 1 2	23 24 36 1
Company	0.47 16 0.54 21 0.01 5 0.04 32 0.14 24 0.30 35 0.53 31 1.16 35 4.30 36	24 34 1 3 7 19 - 26 48	29 1,123 428 341 104	1 1 2	24 36 1
Low	0.54 21 0.01 5 0.04 32 0.14 24 0.30 35 	34 1 3 7 19 - 26 48	1,123 428 341 104	1 1 2	36 1 4
Secretionally low 0.01% - 0.10% 12,299 41,427 30 0.11% - 0.20% 4,615 5,110 90 0.11% - 0.20% 4,615 5,110 90 0.11% - 0.20% 546 1,614 34 34 34 34 34 34 34	0.01 5 0.04 32 0.14 24 0.30 35 0.53 31 1.16 35 4.30 36	1 3 7 19 - 26 48	1,123 428 341 104	1 1 2	1 4
Uninsured Undrawn ⁴ Exceptionally low 0.01% - 0.10% 12,299 41,427 30 Very low 0.21% - 0.35% 4,615 5,110 90 Very low 0.21% - 0.35% 546 1,614 34 Low 0.51% - 1.00% 280 930 30 Low 0.51% - 1.00% 280 930 30 Medium 2.01% - 2.00% 145 445 33 Medium 2.01% - 5.00% 31 76 41 High 10.01% - 99.99% 10 28 36 Default 10.00% - - - - - Winsured Drawn ⁴ 17,926 49,630 36 -	0.04 32 0.14 24 0.30 35 	3 7 19 26 48	428 341 104	2	
Exceptionally low 0.01% - 0.10% 12,299 41,427 30 Very low 0.11% - 0.20% 4,615 5,110 90 Very low 0.21% - 0.35% 546 1,614 34 Low 0.36% - 0.50% - <	0.14 24 0.30 35 	7 19 - 26 48	341 104 -	2	
Nery low 1,11% - 0,20% 4,615 5,110 90	0.14 24 0.30 35 	7 19 - 26 48	341 104 -	2	
Very low 0.21% - 0.35% 546 1,614 34 Low 0.36% - 0.50% - - - Low 0.51% - 1.00% 280 930 30 Medium 1.01% - 2.00% 145 445 33 Medium 2.01% - 5.00% 31 76 41 High 10.01% - 99.99% 10 28 36 Default 100.00% - - - - - Uninsured Drawn ⁴ 17,926 49,630 36 -	0.30 35 	19 - 26 48	104 -		8
Default Defa	0.53 31 1.16 35 4.30 36	- 26 48			
Low 0.51% - 1.00% 280 930 30 Medium 1.01% - 2.00% 145 445 33 Medium 2.01% - 5.00% 31 76 41 5.01% - 10.00% - - - - High 10.01% - 99.99% 10 28 36 Default 100.00% - - - - Uninsured Drawn 4 17,926 49,630 36 Exceptionally low 0.01% - 0.10% 58,568 n/a n/a Exceptionally low 0.01% - 0.20% 12,392 n/a n/a Very low 0.21% - 0.25% 18,954 n/a n/a Low 0.36% - 0.50% 284 n/a n/a Low 0.51% - 1.00% 6,333 n/a n/a	1.16 35 4.30 36	48	73	<u>1</u>	20
1.01% - 2.00%	1.16 35 4.30 36	48		-	28
Medium 2.01% - 5.00% 31 76 41 Food of the properties of the prope	4.30 36		70	<u>-</u> 1	54
Solidary			34		131
High 10.01% - 99.99% 10 28 36 Default 100.00% -	26.87 38		34	-	131
Default	ZU.07 38	218	21	<u>-</u> 1	344
Uninsured Drawn ⁴ 17,926 49,630 36 Exceptionally low 0.01% - 0.10% 58,568 n/a n/a Very low 0.11% - 0.20% 12,392 n/a n/a Very low 0.21% - 0.35% 18,954 n/a n/a 0.36% - 0.50% 284 n/a n/a Low 0.51% - 1.00% 6,333 n/a n/a		218	ZI		344
Uninsured Drawn 4 Exceptionally low 0.01% - 0.10% 58,568 n/a n/a Very low 0.11% - 0.20% 12,392 n/a n/a Very low 0.21% - 0.35% 18,954 n/a n/a 0.36% - 0.50% 284 n/a n/a Low 0.51% - 1.00% 6,333 n/a n/a	0.11 30	- 6	1,071	- 6	- 6
Exceptionally low 0.01% - 0.10% 58,568 n/a n/a 0.11% - 0.20% 12,392 n/a n/a Very low 0.21% - 0.35% 18,954 n/a n/a 0.36% - 0.50% 284 n/a n/a Low 0.51% - 1.00% 6,333 n/a n/a	0.11 30	р	1,071		
0.11% - 0.20% 12,392 n/a n/a Very low 0.21% - 0.35% 18,954 n/a n/a 0.36% - 0.50% 284 n/a n/a Low 0.51% - 1.00% 6,333 n/a n/a	0.06 21	3	1,913	7	3
Very low 0.21% - 0.35% 18,954 n/a n/a 0.36% - 0.50% 284 n/a n/a Low 0.51% - 1.00% 6,333 n/a n/a	0.18 21	<u>3</u> 8	1,013	5	9
	0.31 20	11	2,080	12	12
Low 0.51% - 1.00% 6,333 n/a n/a	0.43 22	15	43		16
	0.78 22	24	1,529	11	26
1.01% - 2.00% 12,210 IVA IVA	1.25 18	26	3,219	28	29
Medium 2.01% - 5.00% 2,970 n/a n/a	3.60 21		1,767	23	69
5.01% - 10.00% 24 n/a n/a	7.52 20	78	19		96
High 10.01% - 99.99% 334 n/a n/a	34.26 22	122	408	24	214
	100.00 25	43	94	62	398
Delauti 100.00 % 2.19 11/2 11/2 11/2 11/2 11/2 11/2 11/2 11	0.68 20	11	12,085	172	13
Qualifying revolving credit	0.00 20		12,000	172	
Exceptionally low 0.01% - 0.10% 30,362 36,396 78	0.04 91	2	688	10	3
0.11% - 0.20%	0.14 88	7	817	14	9
Very low 0.21% - 0.35% 2,434 2,766 74	0.29 86	13	308	6	16
0.36% - 0.50% 4,182 3,876 62	0.38 83	15	623	13	19
Low 0.51% - 1.00% 4,262 3,788 63	0.62 90	23	1,000	23	30
1.01% - 2.00% 8,257 3,679 71	1.46 87	44	3,661	105	60
Medium 2.01% - 5.00% 5,251 1,211 76	3.54 88	83	4,373	162	122
5.01% - 10.00% 2,414 616 89	6.88 89	131	3,155	146	207
High 10.01% - 99.99% 1,295 408 81	31.05 89	209	2,709	355	552
	100.00 84	212	98	36	1,177
69,993 65,466 74	1.43 89	25	17,432	870	40
Other retail State of the state		· · · · · · · · · · · · · · · · · · ·			
Exceptionally low 0.01% - 0.10% 2,888 1,521 65	0.08 35	7	190	1	7
0.11% - 0.20% 178 163 69	0.13 84	26	46		27
Very low 0.21% - 0.35% 963 574 45	0.29 80	42	405	2	45
0.36% - 0.50% 406 306 53	0.40 77	48	196	1	52
Low 0.51% - 1.00% 860 372 48	0.69 76	65	555	4	71
1.01% - 2.00% 2,965 193 57	1.39 84	97	2,867	35	111
Medium 2.01% - 5.00% 2,394 86 56	3.22 68	95	2,265	55	123
5.01% - 10.00% 484 82 67	7.53 83	130	628	30	208
High 10.01% - 99.99% 677 257 61	43.60 41	86	583	81	235
	100.00 82	409	230	33	1,150
11,871 3,554 59	4.37 65	67			
306.530 118.650 58			7,965	242	92

For footnotes, see page 20.



(\$ millions)						Q4/16				
(*				Exposure	Exposure	Exposure	Exposure			Expected losses
			Notional of	weighted-	weighted-	weighted-	weighted-			adjusted
		EAD	undrawn	average	average	average	average	DIA/A	Expected	average
Canadian residential mortgages and HELOCs	PD bands	EAD	commitments	EAD %	PD %	LGD %	risk weight %	RWA	losses	risk weight % 2
Insured Drawn and Undrawn ³	PD ballus									
Exceptionally low	0.01% - 0.10%	96,275	-	_	0.01	5	1	887	1	1
	0.11% - 0.20%	397		·	0.18	22	21	83		21
Very low	0.21% - 0.35%	701	-	-	0.26	20	22	155	-	23
	0.36% - 0.50%	1	-	-	0.46	16	24	-	-	24
Low	0.51% - 1.00%	82	-	-	0.54	22	35	28	-	36
		97,456	-	-	0.01	5	1	1,153	1	1
Uninsured Undrawn ⁴										
Exceptionally low	0.01% - 0.10%	11,914	40,153	30	0.04	32	3	411	1	4
	0.11% - 0.20%	5,485	5,970	92	0.14	24	7	403	2	8
Very low	0.21% - 0.35%	525	1,531	34	0.30	35	19	97	1	20
	0.36% - 0.50%	-	-	-			- 			-
Low	0.51% - 1.00%	275	913	30	0.53	31	25	70		27
NA dive	1.01% - 2.00%	140	431	32	1.16	35	48	67	1	53
Medium	2.01% - 5.00%	26	61	42	4.25	38	115	30	-	135
High	5.01% - 10.00% 10.01% - 99.99%	- 11	31	34	26.97	37	211	22	- - 1	334
Default	10.01% - 99.99%		31	34	20.97	31	- 211		<u>-</u>	334
Delault	100.00%	18,376	49,090	37	0.11	29	6	1,100	6	6
Uninsured Drawn ⁴		10,370	49,090	31	0.11	29	0	1,100	0	0
Exceptionally low	0.01% - 0.10%	55,276	n/a	n/a	0.06	21	3	1,822	7	3
Exceptionally low	0.11% - 0.20%	11,154	n/a	n/a	0.18	22	8	883	<u>-</u>	8
Very low	0.21% - 0.35%	17,677	n/a	n/a	0.31	20	11	1,956	11	12
	0.36% - 0.50%	282	n/a	n/a	0.42	22	15	42	-	16
Low	0.51% - 1.00%	5,709	n/a	n/a	0.77	22	23	1,330	10	25
***************************************	1.01% - 2.00%	10,627	n/a	n/a	1.26	18	26	2,758	24	29
Medium	2.01% - 5.00%	2,833	n/a	n/a	3.61	22	59	1,678	22	69
	5.01% - 10.00%	30	n/a	n/a	7.49	20	78	24	-	96
High	10.01% - 99.99%	343	n/a	n/a	32.52	23	129	441	26	223
Default	100.00%	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
Qualifying revolving credit										
Exceptionally low	0.01% - 0.10%	29,612	35,662	77	0.04	91	2	670	9	3
	0.11% - 0.20%	11,386	12,623	69	0.14	88	7	809	14	9
Very low	0.21% - 0.35%	2,349	2,691	73	0.29	86	13	297	6	16
	0.36% - 0.50%	4,213	3,890	62	0.38	83	15	629	13	19
Low	0.51% - 1.00%	4,218	3,785	63 70	0.62	90 87	23	989	23	30
Madium	1.01% - 2.00%	8,191	3,662	75	1.46 3.54	88	44 83	3,636 4,365	105 162	60
Medium	2.01% - 5.00% 5.01% - 10.00%	5,237 2,459	1,205 617		6.86	89	131	3,218	149	122 207
High	10.01% - 10.00%	1,347	439	79	29.92	89	209	2,809	355	538
Default	100.00%	1,347	439	79	100.00	83	205	2,809	34	1,167
Delauit	100.0078	69,056	64,574	73	1.44	89	25	17,512	870	41
Other retail		03,030	04,574	13	1.77	- 03	23	17,512	0/0	71
Exceptionally low	0.01% - 0.10%	1,350	1,547	64	0.07	68	13	170	1	13
	0.11% - 0.20%	165	147	70	0.13	84	26	42		27
Very low	0.21% - 0.35%	951	561	45	0.30	81	42	403	2	45
	0.36% - 0.50%	394	281	55	0.40	77	49	191	1	52
Low	0.51% - 1.00%	855	361	48	0.69	76	65	555	4	71
	1.01% - 2.00%	4,883	187	57	1.32	50	57	2,792	34	66
Medium	2.01% - 5.00%	1,929	80	57	3.37	83	117	2,251	54	152
	5.01% - 10.00%	477	74	65	7.54	83	130	619	30	208
High	10.01% - 99.99%	672	251	60	44.03	41	85	572	79	232
Default	100.00%	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
4 Committee Committee and desired and the Committee and										

¹ 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.

n/a Not applicable.



are under Airks approach and exclude international portfolios which are under the standardized approach. Amounts are before allowance for credit losses and after credit Calculated as (RWA + 12.5 x expected losses) / EAD based on unrounded figures.

³ 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.

⁴ Comprises both residential mortgages and HELOCs.

AIRB CREDIT RISK EXPOSURE - LOSS EXPERIENCE

	Q3/17	•	Q2/17	,	Q1/17	7	Q4/16	
	Expected loss rate %1	Actual loss rate % ¹	Expected loss rate % ¹	Actual loss rate % 1	Expected loss rate % ¹	Actual loss rate % 1	Expected loss rate % ¹	Actual loss rate % ¹
Business and government portfolios		1222 12	1410 70	1410 70	1410 /0	1410 /0	1010 70	1410 70
Corporate	0.62	0.06	0.62	0.11	0.67	0.24	0.57	0.29
Sovereign	0.01	-	0.02	-	0.01	-	0.01	-
Banks	0.17	-	0.15	-	0.12	-	0.13	-
Retail portfolios								
Real estate secured personal lending	0.08	0.01	0.08	0.01	0.08	0.01	0.07	0.01
Qualifying revolving retail	4.02	2.96	4.01	3.05	3.97	3.05	3.68	2.97
Other retail	2.44	0.99	2.46	1.02	2.41	1.06	2.38	1.07

	Q3/16		Q2/16	3	Q1/16	3	Q4/15	
	Expected	Actual	Expected	Actual	Expected	Actual	Expected	Actual
	loss	loss	loss	loss	loss	loss	loss	loss
	rate % 1	rate % 1	rate % 1	rate %	rate % 1	rate % 1	rate % 1	rate % 1
Business and government portfolios								
Corporate	0.56	0.31	0.53	0.25	0.52	0.13	0.54	0.11
Sovereign	0.01	-	0.01	-	0.01	-	0.01	-
Banks	0.12	-	0.11	-	0.13	-	0.12	-
Retail portfolios								
Real estate secured personal lending	0.07	0.01	0.06	0.01	0.06	0.01	0.06	0.01
Qualifying revolving retail	3.66	2.86	3.42	2.77	3.67	2.75	3.61	2.72
Other retail	2.21	1.04	2.13	1.03	2.20	1.09	2.51	1.09

¹ 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

			Q3/1	17					Q2/1	7		
	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 %
Business and government portfolios 1												
Corporate	3.03	0.55	43.99	33.32	77.11	58.85	3.00	0.55	52.59	31.61	77.02	58.25
Sovereign	0.69	0.08	n/a	n/a	72.81	67.45	0.67	0.08	n/a	n/a	71.61	67.45
Banks	1.53		n/a	n/a	79.37	n/a	1.67		n/a	n/a	85.50	n/a
Retail portfolios ² Real estate secured personal lending Uninsured residential mortgages and personal loans	0.60	0.46	20.16	6.33	n/a	n/a	0.63	0.43	20.12	9.31	n/a	n/a
Insured residential mortgages	0.60	0.57	n/a	n/a	n/a	n/a	0.62	0.57	n/a	n/a	n/a	n/a
Home equity line of credit	0.20	0.18	37.55	14.92	96.06	91.47	0.21	0.18	38.57	19.49	95.69	91.66
Qualifying revolving retail	1.30	1.14	88.35	87.81	100.95	100.13	1.27	1.12	88.52	87.85	99.95	95.59
Other retail	2.46	1.91	85.28	75.44	97.44	92.97	2.50	1.89	85.17	80.71	96.96	92.06
			Q1/1	17					Q4/1	6		
	Average	Actual	Average				Average	Actual	Average			
	estimated	default	estimated	Actual	Estimated	Actual	estimated	default	estimated	Actual	Estimated	Actual
	PD %	rate %	LGD %	LGD %	EAD %	EAD %	PD %	rate %	LGD %	LGD %	EAD %	EAD %
Business and government portfolios 1												
Corporate	3.08	0.67	60.12	38.14	76.28	68.31	3.10	0.66	65.84	42.88	76.31	71.15
Sovereign	0.74	0.17	n/a	n/a	71.50	67.45	0.66	0.17	n/a	n/a	70.71	67.45
Banks	1.40		n/a	n/a	86.15	n/a	1.39	-	n/a	n/a	87.08	n/a
Retail portfolios ² Real estate secured personal lending												

19.50

39.20

89.55

84.60

n/a

9.27

12.31

88.47

74.34

n/a

n/a

n/a

91.69

100.08

97.14

n/a

n/a

85.76

97.00

96.24

0.61

0.62

0.20

1.35

2.58

0.40

0.55

0.17

1.13

1.86

20.95

37.17

90.19

85.60

n/a

12.60

16.38

87.80

79.36

n/a

n/a

n/a

97.32

101.41

98.58

n/a

n/a

93.52

97.11

95.31

0.65

0.63

0.21

1.30

2.59

0.42

0.57

0.18

1.14

1.88



Uninsured residential mortgages and personal loans

Insured residential mortgages

Home equity line of credit

Qualifying revolving retail

Other retail

¹ 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.

² 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 1

(\$ millions)			Q3/17				Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
			Q0/17	Other off-			Q2/11	QI/II	Q-/10	Q3/10	Q2/10	Q 1/ 10	Q-7/10	Q3/13
		Undrawn	Repo-style	balance	отс									
	Drawn		transactions	sheet	derivatives	Total				Tot	tal			
Commercial mortgages	1,021	67	-	-	-	1,088	1,200	1,406	1,694	2,126	2,617	7,746	8,066	8,128
Financial institutions	37,892	3,901	10,045	69,138	10,366	131,342	135,655	131,665	134,727	126,294	120,458	120,593	127,879	133,913
Retail and wholesale	4,188	2,675	-	256	216	7,335	7,285	7,187	6,967	7,001	7,016	6,769	6,806	6,466
Business services	6,853	2,162	28	571	125	9,739	9,046	8,860	8,682	8,308	8,183	7,659	7,312	7,365
Manufacturing - capital goods	2,116	2,008	-	432	122	4,678	4,817	4,616	4,651	4,783	4,763	5,218	4,528	4,338
Manufacturing - consumer goods	3,006	1,609	-	225	46	4,886	4,875	4,566	4,546	4,705	4,621	4,403	4,065	4,144
Real estate and construction	28,816	6,853	-	995	147	36,811	36,964	34,817	34,549	33,616	30,896	25,445	24,074	23,327
Agriculture	5,215	1,546	-	21	44	6,826	6,886	6,692	6,582	6,749	6,590	6,526	6,278	6,063
Oil and gas	7,248	7,681	-	943	1,458	17,330	17,431	16,762	17,655	17,185	16,497	18,653	17,276	17,384
Mining	1,425	2,679	-	733	108	4,945	4,934	4,782	5,104	4,800	4,725	5,276	4,816	4,718
Forest products	450	443	-	136	11	1,040	1,096	1,091	1,072	1,196	1,207	1,221	1,283	1,301
Hardware and software	680	524	-	28	54	1,286	1,213	1,125	1,108	1,198	1,346	1,179	1,112	1,147
Telecommunications and cable	752	1,426	-	417	204	2,799	2,324	2,058	2,040	2,138	2,126	2,321	2,241	2,169
Broadcasting, publishing, and printing	383	137	-	-	5	525	636	872	889	899	884	730	681	691
Transportation	3,626	1,878	-	437	708	6,649	6,277	5,891	5,867	5,731	5,254	5,175	4,999	4,906
Utilities	4,146	5,092	-	1,837	646	11,721	12,991	11,670	11,197	11,435	11,725	11,848	10,943	10,467
Education, health, and social services	2,608	880	27	86	111	3,712	3,946	3,699	3,624	3,699	3,573	3,443	2,971	2,832
Governments	22,365	3,785	783	302	2,577	29,812	31,155	25,945	29,067	28,080	26,096	28,933	24,970	24,664
	132,790	45,346	10,883	76,557	16,948	282,524	288,731	273,704	280,021	269,943	258,577	263,138	260,300	264,023

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



EXPOSURE AT DEFAULT UNDER THE STANDARDIZED APPROACH

(\$ millions)			Ri	sk-weight ca	itegory			
	0%	20%	35%	50%	75%	100%	150%	Total
Q3/17								
Corporate	-	-	-	_	-	26,666	121	26,787
Sovereign	6,020	4,304	-	128	-	576	33	11,061
Banks	-	1,744	-	115	-	237	-	2,096
Real estate secured personal lending	-	-	-	-	3,041	13	234	3,288
Other retail	-	-	-	-	1,044	11	55	1,110
	6,020	6,048	-	243	4,085	27,503	443	44,342
Q2/17	3,890	1,854	-	491	3,259	4,511	353	14,358
Q1/17	3,828	1,757	-	366	3,068	4,207	349	13,575
Q4/16	3,673	1,910	-	509	3,133	4,480	417	14,122
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



EXPOSURE COVERED BY GUARANTEES AND CREDIT DERIVATIVES 1

(\$ millions)		Q3/17			Q2/17			Q1/17			Q4/16	
	Provider	of guarantees	s/ credit		of guarantees, derivatives	credit	Provider	of guarantees derivatives	s/ credit	Provide	r of guarantees derivatives	s/ credit
	Corporate	Sovereign	Bank	Corporate	Sovereign	Bank	Corporate	Sovereign	Bank	Corporate	Sovereign	Bank
Corporate	8,628	950	3,154	9,000	2,385	3,949	8,985	988	4,142	8,433	1,078	5,328
Sovereign	17	8,389	-	18	9,026	-	111	9,243	-	113	10,091	-
Banks	-	2,051	32,550	-	1,633	33,312	-	1,675	31,469	-	1,810	32,633
Real estate secured personal lending	2,339	88,810	-	2,352	92,225	-	2,210	92,235	-	2,215	95,242	-
Other retail	-	11	-	-	12	-	-	13	-	-	14	-
	10,984	100,211	35,704	11,370	105,281	37,261	11,306	104,154	35,611	10,761	108,235	37,961

		Q3/16			Q2/16			Q1/16			Q4/15	
		of guarantees derivatives	/ credit	Provider	of guarantees, derivatives	credit/	Provider	of guarantees derivatives	/ credit	Provider	of guarantees, derivatives	/ credit
	Corporate	Sovereign	Bank	Corporate	Sovereign	Bank	Corporate	Sovereign	Bank	Corporate	Sovereign	Bank
Corporate	7,833	1,071	3,810	7,253	1,142	3,043	7,265	1,382	1,629	7,523	1,238	4,685
Sovereign	114	6,226	-	18	8,556	-	-	7,655	-	-	4,383	_
Banks	-	5,086	31,589	-	1,861	30,672	-	2,234	30,649	-	3,211	32,189
Real estate secured personal lending	2,210	97,656	-	2,199	100,408	-	2,056	101,158	-	1,884	102,154	_
Other retail	-	16	-	-	17	-	-	19	-	-	22	_
	10,157	110,055	35,399	9,470	111,984	33,715	9,321	112,448	32,278	9,407	111,008	36,874

EXPOSURE SECURITIZED AS ORIGINATOR ²

(\$ millions)	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
	Total								
Commercial mortgages									
Securitized	-	7	63	156	194	209	223	225	228
Sold	-	7	63	156	194	209	223	225	228

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



² There were no impaired and other past due loans or net write-offs for periods shown.

BANK SPONSORED MULTI-SELLER CONDUITS EXPOSURE

(\$ millions)	Q3/1	Q 2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
				Asset a	mount				
Canadian residential mortgages	665	502	589	546	593	-	-	<u>-</u>	-
Auto and fleet leases	1,106	1,178	1,248	1,070	1,147	1,223	1,292	930	987
Auto loans	1,200	809	911	1,054	577	677	778	884	485
Franchise loans	489	477	449	468	470	461	409	391	398
Credit cards	720	720	875	875	725	710	710	710	710
Equipment leases/loans	1,215	1,118	1,257	1,364	1,218	1,186	1,198	950	988
Dealer floorplan	155	55	55	55	55	55	55	115	145
	5,550	4,859	5,384	5,432	4,785	4,312	4,442	3,980	3,713
Impaired and other past due loans ¹	17	20	19	18	17	18	18	16	16

TOTAL SECURITIZATION EXPOSURES (IRB APPROACH)

(\$ millions)			Q3/17			Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	Q3/15
		Undrawn	144 to 124		Of which								
	Investments and loans	liquidity and credit facilities	Written credit derivatives	Total exposure	resecuritization exposure ²				Total Ex	posure			
Non-Trading				•	•								
Third party securitized assets ³				0.050		7.574	7.000	7.004	7.040	0.404	0.050	E 504	5 004
CIBC sponsored conduits and structured vehicles	262	8,397	-	8,659	-	7,571	7,896	7,921	7,348	6,424	6,352	5,561	5,631
Third party structured vehicles	3,224	1,434	33	4,691	57	4,975	5,105	10,942	11,400	11,153	12,516	10,315	10,306
Trading ⁴	156	-	-	156	-	109	146	125	155	159	277	247	345
Total EAD	3,642	9,831	33	13,506	57	12,655	13,147	18,988	18,903	17,736	19,145	16,123	16,282

¹ 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.



² Resecuritization exposure comprises \$24 million (Q2/17: \$79 million) of investments and loans, nil (Q2/17: nil) of undrawn credit facilities and \$33 million (Q2/17: \$38 million) of written credit derivatives.

³ 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.

⁴ Comprises asset-backed securities.

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

(\$ millions)			Q3,	17					Q2	2/17		
	EA	.D 1	RV	/A	Capital	charge	EA	D 1	R\	WA	Capital	charge
	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization
Trading		•		•		•					•	
Ratings based approach												
AAA to BBB-	156	-	22	-	2	-	109	-	14	-	1	-
Unrated exposure	-		-		-		-		-			
Total trading	156		22		2		109	-	14	-	1	_
											·	
Non-trading Ratings based approach												
AAA to BBB-	3,298	19	236	8	19	1	2,950	74	213	30	17	2
									213			
BB+ to BB-	-		-	-				-		<u>-</u>		-
Rated below BB-	12		156	<u> </u>	12		14	<u> </u>	171		14	
	3,310	19	392	8	31	1	2,964	74	384	30	31	2
Internal assessment approach AAA to BBB-	6,957	-	487	-	40	-	6,771	-	474	-	38	-
BB+ to BB-	-	-	-	-	-	-	-	-	-	-	-	-
	6,957	-	487	-	40		6,771	-	474	-	38	-
Supervisory formula approach	3,026		281	128	22	10	2,694	38	300	152	24	12
Unrated exposure ²							-		_		-	
Deduction from capital Tier 1 and 2												
Rated below BB-	-	-		-	-	-	-	-	-	-	-	-
Unrated exposure	-	-	-	-		-	-		-	-	-	-
							-	-		-		-
Total non-trading	13,293	52	1,160	136	93	11	12,429	112	1,158	182	93	14
Total exposure	13,449		1,182	136	95		12,538	112	1,172		94	14
- Total exposure	10,440		1,102	100			12,000	112	1,172	102	01	
(\$ millions)			Q1	17					0/	1/16		
(\$\psi \text{Tillions})	EA	D 1	RV		Capital	chargo	EA	D 1		WA	Capital	chargo
	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization		Resecuritization	Securitization	Resecuritization
Trading	Securitization	Resecuniization	Securitzation	Nesecunization	Securitization	Resecunization	Securitization	Resecunization	Securitization	Nesecunization	Securitization	Nesecunization
Ratings based approach AAA to BBB-	146		14									
Unrated exposure					1	_	125	_	12	_	1	_
Total trading					1		125	<u> </u>	12		11	
Total trading	146		-	-	1	-	-	- -	-	-		
	146			-	1 _1			- - -		-		
Non-trading Ratings based approach	146		-		1	-	-		-	-		
	3,136	-	-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u>-</u>	-		-	-		-
Ratings based approach AAA to BBB-		102	- 14	-	1	3	125	-	12	-	1	- 19
Ratings based approach	3,136	102	- 14 235	- 41	19	3	125 3,662	373	- 12 272	238	1 22	- 19 -
Ratings based approach AAA to BBB- BB+ to BB-	3,136 - - 13	102	- 14 235 - 163	41	19 	3	3,662 	373	272 - 168	238	1 1 22 13	- 19 -
Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach	3,136 13 3,149	102 102	235 - 163 398	41 41	19 19 13 32	3	3,662 - 13 3,675	373	272 - 168 440	238	22 	- 19 - - 19
Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB-	3,136 - - 13	- 102 - 102	- 14 235 - 163	- 41 - 41	19 13 32 40	3	3,662 	373	272 - 168	238	1 22 - 13 35 42	19 - - 19
Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach	3,136 - 13 3,149 7,110	102	235 163 398 498	41	19 	3	3,662 3,662 13 3,675 7,192	373	272 272 168 440 523	238 	1 1 22 13 35 42	19 - 19
Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB- BB+ to BB-	3,136 13 3,149 7,110	102	235 163 398 498 -	41 41	19 - 13 32 40	3	3,662 3,675 7,192 7,192	373	272 272 168 440 523	238	1 1 22 13 35 42	19
Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB- BB+ to BB- Supervisory formula approach	3,136 	102 102	235 - 163 398 498 - 498 343	41 - 41	19 - 13 32 40 - 40 28	3 3 3	3,662 	373 - 373 - - - - - 44	272 272 - 168 440 523 523 811	238 - 238 - 238 - - - - - 206	1 22 1 35 42 42 65	- 19 - 19 - - - 16
Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB- BB+ to BB-	3,136 13 3,149 7,110	102 102	235 163 398 498 -	41 - 41	19 - 13 32 40	3 3 3	3,662 3,675 7,192 7,192	373	272 272 168 440 523	238 - 238 - 238 - - - - - 206	1 1 22 13 35 42	19 19
Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB- BB+ to BB- Supervisory formula approach Unrated exposure 2 Deduction from capital Tier 1 and 2 Rated below BB-	3,136 	102 102	235 - 163 398 498 - 498 343	41 - 41	19 - 13 32 40 - 40 28	3 3 3	3,662 	373 - 373 - - - - - 44	272 272 - 168 440 523 523 811	238 - 238 - 238 - - - - - 206	1 22 1 35 42 42 65	19 19
Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB- BB+ to BB- Supervisory formula approach Unrated exposure ² Deduction from capital Tier 1 and 2	3,136 	- 102 102 	235 - 163 398 498 - 498 343	41 - 41	19 - 13 32 40 - 40 28	3 3 3 	3,662 	373 - 373 - - - - - 44	272 272 - 168 440 523 523 811	238 - 238 - 238 - 206	1 22 1 35 42 42 65	19 19 -
Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB- BB+ to BB- Supervisory formula approach Unrated exposure 2 Deduction from capital Tier 1 and 2 Rated below BB-	3,136 13 3,149 7,110 - 7,110 2,595	102	235 - 163 398 498 - 498 343	41 41 - - - 118	19 13 32 40 - 40 28	3 3 3	3,662 	373 373 373 - - - 44	272 272 168 440 523 811	238 238 238 - 206	1 1 22 13 35 42 42 65	- - - 19 - - - 16 -
AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB- BB+ to BB- Supervisory formula approach Unrated exposure 2 Deduction from capital Tier 1 and 2 Rated below BB-	3,136 - 13 3,149 7,110 - 7,110 2,595 -	102 102 103 37	235 163 398 498 343	41 41 - - 118	19 19 13 32 40 28	3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3,662 3,662 13 3,675 7,192 7,192 7,323	373 373 	272 272 168 440 523 - 523 811	238 238 238 206	1 1 22 13 35 42 - 42 65	

For footnotes, see next page.



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

(\$ millions)			Q3/	16					Q2	2/16		
,	EAD	D 1	RW	/A	Capital cl	narge	E.A	ND 1	R\	WA	Capital	charge
	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization	Securitization	Resecuritization
Trading		<u>l</u>		l .				l l		L.		
Ratings based approach												
AAA to BBB-	155	-	15	<u>-</u>	1	<u>-</u>	159	<u>-</u>	12	-	1	-
Unrated exposure	-	-	-		-	-	-	-	-		-	-
Total trading	155	-	15	-	1	-	159	-	12	-	1	-
Non-trading												
Ratings based approach		540	205	0.47	2.4	0.5	4.05-7			0.40		
AAA to BBB-	4,118		305		24	25	4,057	628	293			
BB+ to BB-	-	-		- -	-	-		-	-	-	-	
Rated below BB-	13		163		13	-	13	<u> </u>	157		13	
	4,131	540	468	317	37	25	4,070	628	450	346	36	28
Internal assessment approach												
AAA to BBB-	6,375	-	446		36		5,501	-	385		30	
BB+ to BB-	-	<u> </u>	-	-	-	-		-	-		-	
	6,375		446		36	-	5,501		385		30	
Supervisory formula approach	7,410		868		70	15	7,086	44	663		53	
Unrated exposure ²	-	-	-	-	-	-	-	1	-	8	-	1
Deduction from capital Tier 1 and 2 Rated below BB-		_	_	_	_	_	_		_		_	_
Unrated exposure	· · · · · · · · · · · · · · · · · · ·	-	· · · · · · · · · · · · · · · · · · ·		-			-	-		-	
Offialed exposure	-		<u> </u>				-	<u>-</u>	-			
Total non-trading	17,916	586	1,782		143	40	16,657	673	1,498		119	
Total exposure	18.071	586	1,782	508	143	40	16,816	673	1,510		120	
Total exposure	10,071	300	1,737	300	144	40	10,010	073	1,510	403	120	39
(\$ millions)			Q1/	/16			1		0/	1/15		
(4												
	FAI	D 1	RW	/A	Capital d	arge	F.A	√D ¹			Canital	charge
	EAI Securitization		RW Securitization		Capital cl Securitization		Securitization EA		R\	WA		charge Resecuritization
Trading	EAI Securitization	Resecuritization	RW Securitization	/A Resecuritization		narge Resecuritization	Securitization	Resecuritization			Capital Securitization	charge Resecuritization
Ratings based approach									R\	WA		
				Resecuritization					R\	WA Resecuritization		Resecuritization
Ratings based approach	Securitization		Securitization	Resecuritization	Securitization	Resecuritization	Securitization		R\ Securitization	WA Resecuritization	Securitization 2	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure	Securitization	Resecuritization -	Securitization 22	Resecuritization	Securitization 2	Resecuritization -	Securitization	Resecuritization -	R\Securitization	WA Resecuritization	Securitization 2	Resecuritization
Ratings based approach AAA to BBB-	Securitization 277	Resecuritization -	Securitization 22	Resecuritization	Securitization 2	Resecuritization	Securitization 247	Resecuritization	Securitization 20	WA Resecuritization	Securitization 2	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading	Securitization 277	Resecuritization -	Securitization 22	Resecuritization	Securitization 2	Resecuritization	Securitization 247	Resecuritization	Securitization 20	WA Resecuritization	Securitization 2	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach	Securitization 277 - 277	Resecuritization	Securitization 22 22 24	Resecuritization	Securitization 2	Resecuritization	Securitization 247 247	Resecuritization	Securitization 20 4 24	WA Resecuritization	Securitization 2 - 2	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB-	Securitization 277	Resecuritization -	Securitization 22	Resecuritization	Securitization 2	Resecuritization	Securitization 247	Resecuritization	Securitization 20	WA Resecuritization	Securitization 2	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB- BB+ to BB-	Securitization 277	Resecuritization	Securitization 22 2 2 24 321 -	Resecuritization	Securitization 2 2 2 2 2 26	Resecuritization	247 247 247	Resecuritization	Securitization 20 4 24	WA Resecuritization	Securitization 2 2 2 2 2	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB-	Securitization 277 277 4,441	Resecuritization	22 2 24 321 - 175	Resecuritization	2 26 - 14	Resecuritization	247 247 4,015	Resecuritization	20 4 24 292 -	WA Resecuritization	2 23	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB- BB+ to BB- Rated below BB-	Securitization 277	Resecuritization	Securitization 22 2 2 24 321 -	Resecuritization	Securitization 2 2 2 2 2 26	Resecuritization	247 247 247	Resecuritization	Securitization 20 4 24	WA Resecuritization	Securitization 2 2 2 2 2	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach	Securitization 277	715	Securitization 22 2 24 321 175 496	Resecuritization	2 26 14 40	Resecuritization	247 247 4,015 13 4,028	Resecuritization	20 4 24 292 	WA Resecuritization	2 - 2 23 - 13 36	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB-	Securitization 277	Resecuritization	Securitization 22 24 321	Resecuritization	2 26 14 40 30	Resecuritization	247 247 4,015 13 4,028	Resecuritization	20 4 24 292 163 455	WA Resecuritization	2 2 2 3 - 13 36 27	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach	277 277 4,441	Resecuritization	22 2 24 321	Resecuritization	2 2 2 2 4 40 30 -	Resecuritization	247 247 4,015 13 4,028	Resecuritization	20 4 24 292 - 163 455	WA Resecuritization	23 23 13 36 27 -	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB-	Securitization 277	Resecuritization	22 24 321 - 175 496 377 -	Resecuritization	2 26 14 40 30	Resecuritization	247 247 4,015 13 4,028	Resecuritization	20 4 24 292 163 455	WA Resecuritization	23 23 13 36 27 -	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB- BB+ to BB- BB+ to BB- BB+ to BB-	\$\text{Securitization}\$ 277 277 4,441	Resecuritization	Securitization	Resecuritization	2 2 2 2 1 4 4 4 0 3 3 3 3 3	Resecuritization	247 247 4,015	Resecuritization	20 4 24 292 - 163 455 335	WA Resecuritization 391	23 23 13 36 27 27	Resecuritization
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB- BB+ to BB- Internal assessment approach AAA to BBB- BB+ to BB- Supervisory formula approach	\$\text{Securitization}\$ 277 277 277 4,441	715 	Securitization 22 24 321	Resecuritization	2 26 - 14 40 30 - 30 57	31	247 247 4,015	747	20 4 24 24 292 - 163 455 335 497	WA Resecuritization	23 23 13 36 27 - 27 40	31
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB- BB+ to BB- BB+ to BB- BB+ to BB-	\$\text{Securitization}\$ 277 277 4,441	Resecuritization	Securitization	Resecuritization	2 2 2 2 1 4 4 4 0 3 3 3 3 3	Resecuritization	247 247 4,015	747	20 4 24 292 - 163 455 335	WA Resecuritization	23 23 13 36 27 - 27 40	31
Ratings based approach AAA to BBB- Unrated exposure Total trading Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB- BB+ to BB- Supervisory formula approach Unrated exposure 2 Deduction from capital Tier 1 and 2 Rated below BB-	\$\text{Securitization}\$ 277 277 277 4,441	715	Securitization 22 24 321 175 496 377 - 377 717	Resecuritization	2 2 2 2 2 2 3 3 3 5 7 -	31 10 10 1	247 247 4,015 13 4,028 4,785 5,969	747	20 4 24 24 292 - 163 455 335 497	WA Resecuritization	23 23 36 27 27 40	31 31 26 1 1
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB- BB+ to BB- Supervisory formula approach Unrated exposure ² Deduction from capital Tier 1 and 2	\$\text{Securitization}\$ 277 277 277 4,441	Resecuritization	Securitization 22 24 321	382 - 382 - 127 9	Securitization	31 10 10 1	247 247 4,015	747 666 1	20 4 24 292 163 455 335 - 335	WA Resecuritization	23 23 13 36 27 27 40	31 26 1
Ratings based approach AAA to BBB- Unrated exposure Total trading Non-trading Ratings based approach AAA to BBB- BB+ to BB- Internal assessment approach AAA to BBB- BB+ to BB- Supervisory formula approach Unrated exposure 2 Deduction from capital Tier 1 and 2 Rated below BB- Unrated exposure	Securitization 277 277 4,441 14 4,455 5,390 7,977 -	715	Securitization 22 24 321 175 496 377 - 377	382	Securitization	31 10 10 1	247 247 4,015	747	20 4 24 292 - 163 335 - 335 - - -	WA Resecuritization	23 23 36 27 27 40	31
Ratings based approach AAA to BBB- Unrated exposure Total trading Ratings based approach AAA to BBB- BB+ to BB- Rated below BB- Internal assessment approach AAA to BBB- BB+ to BB- Supervisory formula approach Unrated exposure 2 Deduction from capital Tier 1 and 2 Rated below BB-	\$\text{Securitization}\$ 277 277 277 4,441	Resecuritization	Securitization 22 24 321	Resecuritization	Securitization	31 10 10 1	247 247 4,015	747 666 1	20 4 24 292 163 455 335 - 335	WA Resecuritization	23 23 13 36 27 27 40	31 31

Net of financial collateral of \$5 million (Q2/17: \$5 million) for resecuritization exposures.



² Pertains to unrated exposures not subject to supervisory formula approach.

BASEL - GLOSSARY

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. On an all-in basis, before any capital floor requirement, there are three different levels of RWAs for the calculation of the CET1, Tier 1, and Total capital ratios arising from the option CIBC has chosen for the phase-in of the CVA capital charge.

Corporate exposures

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

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

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 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).

Leverage ratio

Defined as Tier 1 capital divided by Leverage Exposure.

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, nonqualifying 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 tranched 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.

