SUPPLEMENTARY REGULATORY CAPITAL DISCLOSURE



April 30, 2017

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INTRODUCTION



Effective November 1, 2012, Canadian banks are subject to the revised capital adequacy requirements as published by the Basel Committee on Banking Supervision (BCBS) and commonly referred to as Basel III. Basel III builds on the "International Convergence of Capital Measurement and Capital Standards: A Revised Framework" (Basel II). Refer to page 2 "Basel III Implementation" for further details.

The Basel III Framework is comprised of three Pillars:

- Pillar 1 the actual methodologies that must be applied to calculate the minimum capital requirements.
- Pillar 2 the requirement that banks have internal processes to assess their capital adequacy in relation to their strategies, risk appetite and actual risk profile. Regulators are expected to review these internal capital adequacy assessments.
- Pillar 3 reflects the market disclosures required by banks to assist users of the information to better understand the risk profile.

This Appendix reflects the Pillar 3 market disclosures based on information gathered as part of the Pillar 1 process, and should assist users in understanding the changes to the risk-weighted assets and capital requirements.

Basel III classifies risk into three broad categories: credit risk, market risk and operational risk. Under Pillar 1 of the Basel III Framework, minimum capital for these three risks is calculated using one of the following approaches:

- Credit risk capital Internal Ratings Based Approach (Advanced or Foundation) or Standardized Approach.
- Operational risk capital Advanced Measurement Approach (AMA), Standardized Approach or Basic Indicator Approach.
- Market risk capital Internal models or Standardized Approach.

Credit Risk

The credit risk component consists of on- and off- balance sheet claims. The Basel III rules are not applied to traditional balance sheet categories but to categories of on- and off- balance sheet exposures which represent general classes of assets/exposures (Corporate, Sovereign, Bank, Retail and Equity) based on their different underlying risk characteristics.

Generally, while calculating capital requirements, exposure types such as Corporate, Sovereign, Bank, Retail and Equity are analyzed by the following credit risk exposure sub-types: Drawn, Undrawn, Repo-style Transactions, Over-the-counter (OTC) Derivatives, Exchange Traded Derivatives and Other Off-balance Sheet claims.

The Bank uses the Advanced Internal Ratings Based (AIRB) approach for credit risk in its material Canadian, US and European portfolios and for a significant portion of international corporate and commercial portfolios. The Bank uses internal estimates, based on historical experience, for probability of default (PD), loss given default (LGD) and exposure at default (EAD).

- Under the AIRB approach, credit risk risk-weighted assets (RWA) are calculated by multiplying the
 capital requirement (K) by EAD times 12.5, where K is a function of the PD, LGD, maturity and
 prescribed correlation factors. This results in the capital calculations being more sensitive to
 underlying risks.
- Risk weights for exposures which fall under the securitization framework are computed under the Internal Assessments Approach (IAA) or the Ratings-Based Approach (RBA). RBA risk weights depend on the external rating grades given by two of the external credit assessment institutions (ECAI): S&P, Moody's and DBRS.
- A multiplier of 1.25 is applied to the correlation parameter of all exposures to all unregulated Financial Institutions, and regulated Financial Institutions with assets of at least US\$100 billion.
- Exchange-traded derivatives which previously were excluded from the capital calculation under Basel II are risk-weighted under Basel III.
- An overall scaling factor of 6% is added to the credit risk RWA for all AIRB portfolios. For the remaining portfolios, the Standardized Approach is used to compute credit risk.
- The Standardized Approach applies regulator prescribed risk weight factors to credit exposures based on the external credit assessments (public ratings), where available, and also considers other additional factors (e.g. provision levels for defaulted exposures, loan-to-value for retail, eligible collateral, etc.).

Operational Risk

OSFI has approved Scotiabank's application to use the Advanced Measurement Approach (AMA) for Operational Risk, subject to a capital floor based on the Standardized Approach, in the first quarter of 2017. The Bank also utilizes the Standardized Approach for operational risk for units not covered under AMA. AMA utilizes risk drivers for capital movements (such as internal loss experience, business environment and internal control factors, external loss experience, and scenarios); while the Standardized Approach is based on a fixed percentage ranging from 12% to 18% of the average of the previous three years' gross income.

Market Risk

The Bank uses both internal models and standardized approaches to calculate market risk capital. Commencing Q1 2012, the Bank implemented additional market risk measures in accordance with Basel's Revisions of the Basel II market risk framework (July 2009). Additional measures include stressed Value-at-Risk, incremental risk charge and comprehensive risk measure.

IFRS

Effective Q1 2012, all amounts reflect the adoption of IFRS. Effective Q1 2014, all amounts reflect the adoption of new accounting standards, IFRS10 (Consolidated Financial Statements) and IAS19R (Employee Benefits).

This "Supplementary Regulatory Capital Disclosure" has been updated to reflect OSFI's Advisory, "Required Public Disclosure Requirements related to Basel III Pillar 3" (issued July 2, 2013), effective Q3 2013 for all D-SIBs. The main features template that sets out a summary of information on the terms and conditions of the main features of all capital instruments is posted on the Bank's website as follows: http://www.scotiabank.com/ca/en/0,,3066,00.htm

BASEL III IMPLEMENTATION



Canadian banks are subject to the revised capital adequacy requirements as published by the Basel Committee on Banking Supervision (BCBS) - commonly referred to as Basel III - effective November 1, 2012. Basel III builds on the "International Convergence of Capital Measurement and Capital Standards: A Revised Framework" (Basel II). The Office of the Superintendent of Financial Institutions (OSFI) has issued guidelines, reporting requirements and disclosure guidance which are consistent with the Basel III reforms (except for implementation dates described below).

As compared to previous standards, Basel III places a greater emphasis on common equity by introducing a new category of capital, Common Equity Tier 1 (CET1), which consists primarily of common shareholders equity net of regulatory adjustments. These regulatory adjustments include goodwill, intangible assets, deferred tax assets, pension assets and investments in financial institutions over certain thresholds. Overall, the Basel III rules increase the level of regulatory deductions relative to Basel II. Basel III also increases the level of risk-weighted assets for significant investments and deferred tax amounts due to temporary timing differences under defined thresholds, exposures to large or unregulated financial institutions meeting specific criteria, exposures to centralized counterparties and exposures that give rise to wrong way risk.

To enable banks to meet the new standards, Basel III contains transitional arrangements commencing January 1, 2013, through January 1, 2019. Transitional requirements result in a phase-in of new deductions to common equity over 5 years. Under the transitional rules, all CET1 deductions are multiplied by a factor during the transitional period, beginning with 0% in 2013, 20% in 2014, 40% in 2015, 60% in 2016, 80% in 2017 and 100% in 2018. The portion of the CET1 regulatory adjustments not deducted during the transitional period will continue to be subject to Basel II treatment. In addition, non-qualifying capital instruments will be phased-out over 10 years and the capital conservation buffer will be phased in over 4 years. As of January 2019, the banks will be required to meet new minimum requirements related to risk-weighted assets of: Common Equity Tier 1 ratio of 4.5% plus a capital conservation buffer of 2.5%, collectively 7%. Including the capital conservation buffer, the minimum Tier 1 ratio will be 8.5%, and the Total capital ratio will be 10.5%.

OSFI required Canadian deposit-taking institutions to fully implement the 2019 Basel III reforms in 2013, without the transitional phase-in provisions for capital deductions, and achieve a minimum 7% common equity target, by the first quarter of 2013 along with a minimum Tier 1 ratio of 7% and Total capital ratio of 10%. Since the first quarter of 2014, the minimum Tier 1 ratio rose to 8.5% and the Total capital ratio rose to 10.5%.

The BCBS issued the rules on the assessment methodology for global systemically important banks (G-SIBs) and their additional loss absorbency requirements. In their view, additional policy measures for G-SIBs are required due to negative externalities (i.e., adverse side effects) created by systemically important banks which are not fully addressed by current regulatory policies. The assessment methodology for G-SIBs is based on an indicator-based approach and comprises five broad categories: size, interconnectedness, lack of readily available substitutes, global (cross-jurisdictional) activity and complexity. Additional loss absorbency requirements may range from 1% to 3.5% Common Equity Tier 1 depending upon a bank's systemic importance and will be introduced in parallel with the Basel III capital conservation and countercyclical buffers from 2016 through to 2019. Scotiabank is not designated as a G-SIB.

Since similar externalities can apply at a domestic level, the BCBS extended the G-SIBs framework to domestic systemically important banks (D-SIBs) focusing on the impact that a distress or failure would have on a domestic economy. Given that the D-SIB framework complements the G-SIB framework, the Committee considers that it would be appropriate if banks identified as D-SIBs by their national authorities are required by those authorities to comply with the principles in line with phase-in arrangements for the G-SIB framework, i.e., January 2016. In a March 2013 advisory letter, OSFI designated the 6 largest banks in Canada as domestic systemically important banks (D-SIBs), increasing their minimum capital ratio requirements by 1% for the identified D-SIBs. This 1% surcharge is applicable to all minimum capital ratio requirements for CET1, Tier 1 and Total Capital, by no later than January 1, 2016, in line with the requirements for global systemically important banks.

As of January 2016, the Scotiabank and other Canadian D-SIB banks are also required to meet new D-SIB minimum requirements; a minimum Common Equity Tier 1 ratio of 8.0%, Tier 1 ratio of 9.5% and a Total capital ratio of 11.5%.

In December 2013, OSFI announced its decision to implement the phase-in (over 5 years) of the regulatory capital for Credit Valuation Adjustment (CVA) on Bilateral OTC Derivatives effective Q1 2014. In accordance with OSFI's requirements, this quarter a scalar for CVA risk-weighted assets (RWA) of 0.72, 0.77 and 0.81, respectively (0.64, 0.71 and 0.77, respectively in 2015 and 2016), is being applied to compute the CET1 capital ratio, Tier 1 capital ratio and Total capital ratio, respectively.

OSFI required Canadian deposit-taking institutions to implement the BCBS' countercyclical buffer requirements, starting Q1, 2017. The countercyclical buffer is only applicable to private sector credit exposures in jurisdictions with published buffer requirements. At present only three jurisdictions apply a countercyclical buffer and the Bank's exposures within these three jurisdictions are not material.

Risk-weighted assets are computed on an all-in Basel III basis unless otherwise indicated. All-in is defined 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.

As at January 31, 2013, all of the Bank's preferred shares, capital instruments and subordinated debentures did not meet these additional criteria and are subject to phase-out commencing January 2013. The Bank reserves the right to redeem, call or repurchase any capital instruments within the terms of each offering at any time in the future.

Commencing in 2015 and continuing in 2016, the Bank issued subordinated debentures and preferred shares which contain non-viability contingent capital (NVCC) provisions necessary for the preferred shares and debentures to qualify as Tier 1 or Tier 2 regulatory capital. Under the NVCC provisions, the preferred shares and debentures are convertible into a variable number of common shares upon: (i) the public announcement by OSFI that the Bank has ceased, or is about to cease, to be viable; or (ii) by a federal or provincial government of Canada that the Bank accepted or agreed to accept a capital injection.

In addition to risk-based capital requirements, the Basel III reforms introduced a simpler, non risk-based Leverage ratio requirement to act as a supplementary measure to its risk-based capital requirements. The Leverage ratio is defined as a ratio of Basel III Tier 1 capital to a leverage exposure measure which includes on-balance sheet assets and off-balance sheet commitments, derivatives and securities financing transactions, as defined within the requirements. As a member of the BCBS, OSFI has adopted the Basel III Leverage requirements as part of its domestic requirements for banks, bank holding companies, federally regulated trust and loan companies in Canada.

In October 2014, OSFI released its Leverage Requirements Guideline which outlines the application of the Basel III Leverage ratio in Canada and the replacement of the former Assets-to-Capital Multiple (ACM), effective Q1 2015. Institutions are expected to maintain a material operating buffer above the 3% minimum. The Bank meets OSFI's authorized leverage ratio. Commencing Q1 2015, disclosure in accordance with OSFI's September 2014 Public Disclosure Requirements related to Basel III Leverage ratio has been made in the Supplementary Regulatory Capital Disclosure on pages 27-29.

REGULATORY CAPITAL HIGHLIGHTS



	Basel III - IFRS									
(\$MM)	Q2	2017	Q1	2017	Q4	2016	Q3	2016	Q2	2016
	Transitional Approach	All-in Approach								
Common Equity Tier 1 capital	45,431	42,474	43,312	40,540	45,816	39,989	43,696	37,690	41,801	35,911
Tier 1 capital	48,357	47,048	46,415	45,247	47,668	45,066	45,041	42,264	43,425	40,759
Total capital	56,554	55,310	54,505	53,400	55,824	53,330	53,091	50,471	51,327	48,839
Risk-weighted Assets ⁽²⁾										
CET1 Capital Risk-weighted Assets	381,977	374,876	362,326	359,611	368,215	364,048	362,358	357,657	361,678	356,866
Tier 1 Capital Risk-weighted Assets	381,977	375,148	362,326	359,942	368,215	364,504	362,358	358,177	361,678	357,389
Total Capital Risk-weighted Assets	381,977	375,366	362,326	360,208	368,215	364,894	362,358	358,622	361,678	357,837
Capital Ratios (%)										
Common Equity Tier 1 (as a percentage of risk-weighted assets)	11.9	11.3	12.0	11.3	12.4	11.0	12.1	10.5	11.6	
Tier 1 (as a percentage of risk-weighted assets)	12.7	12.5	12.8	12.6	12.9	12.4	12.4		12.0	11.4
Total capital (as a percentage of risk-weighted assets)	14.8	14.7	15.0	14.8	15.2	14.6	14.7	14.1	14.2	13.6
Leverage:										
Leverage Exposures	1,063,119		1,006,799		1,013,346		1,016,572		1,007,540	1,005,103
Leverage Ratio (%)	4.5	4.4	4.6	4.5	4.7	4.5	4.4	4.2	4.3	4.1
OSFI Target: All-in Basis (%)										
Common Equity Tier 1 minimum ratio		8.0		8.0		8.0		8.0		8.0
Tier 1 capital all-in minimum ratio		9.5		9.5		9.5		9.5		9.5
Total capital all-in minimum ratio		11.5		11.5		11.5		11.5		11.5
Leverage all-in minimum ratio		3.0		3.0		3.0		3.0		3.0
Capital instruments subject to phase-out arrangements										
Current cap on Additional Tier 1 (AT1) instruments subject to phase-out arrangements (%)	50	50	50	50	60	60	60	60	60	60
Amount excluded from AT1 due to cap (excess over cap after redemptions and maturities)	-	-	32	32	-	-	-	-	69	69
Current cap on Tier 2 (T2) instruments subject to phase-out arrangements (%)	50	50	50	50	60	60	60	60	60	60
Amount excluded from T2 due to cap (excess over cap after redemptions and maturities)	-	-	-	-	-	-	-	-	-	-

^{(1) &#}x27;All-in' approach is defined 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.

⁽²⁾ As per OSFI guideline, effective Q1 2014, Credit Valuation Adjustment (CVA) RWA on derivatives was phased-in using Scalars. Commencing in Q1, 2017, the CVA risk-weighted assets have been calculated using scalars of 0.72, 0.77 and 0.81, to compute the CET1 capital ratio, Tier 1 capital ratio and Total capital ratio, respectively.

REGULATORY CAPITAL - DEFINITION OF CAPITAL COMPONENTS



(\$I	MM)	Cross- Reference ⁽¹⁾	All-in Q2 2017	All-in Q1 2017
	Common Equity Tier 1 Capital: Instruments and Res	serves		
1	Directly issued qualifying common share capital plus related stock surplus	u+y	15,740	15,764
2	Retained Earnings	V	36,234	35,653
3	Accumulated Other Comprehensive Income	w	3,141	1,589
5	Common share capital issued by subsidiaries and held by third parties (amount allowed in group CET1)	bb	625	597
6	Common Equity Tier 1 capital before regulatory adjustments		55,740	53,603
	Common Equity Tier 1 Capital: Regulatory Adjustn	nents		
8	Goodwill (net of related tax liability)	g	(7,969)	(7,789)
9	Intangibles other than mortgage-servicing rights (net of related tax liability)	h-q+i-r	(3,747)	(3,694)
10	Deferred tax assets that rely on future profitability excluding those arising from temporary differences (net of related tax liability)	k	(444)	(467)
11	Cash flow hedge reserve	Х	(87)	(146)
12	Shortfall of allowances to expected losses	ee	(13)	(158)
14	Gains and losses due to changes in own credit risk on fair value liabilities	р	(275)	(271)
15	Defined-benefit pension fund net assets (net of related tax liability)	l-s	(134)	(122)
16	Investments in own shares (if not already netted off paid-in capital on reported balance sheet)	а	(10)	(9)
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)	е	(506)	(403)
22	Amount exceeding the 15% threshold		(78)	-
23	of which: significant investments in the common stock of financials	f	(52)	-
25	of which: deferred tax assets arising from temporary differences	j	(26)	-
26	Other deductions from CET1 as determined by OSFI	0	(3)	(4)
28	Total regulatory adjustments to Common Equity Tier 1		(13,266)	(13,063)
29	Common Equity Tier 1 Capital (CET1)		42,474	40,540
	Additional Tier 1 Capital: Instruments			
30	Directly issued qualifying Additional Tier 1 instruments plus related stock surplus	Z	1,350	1,350
31	of which: classified as equity under applicable accounting standards		1,350	1,350
33	Directly issued capital instruments subject to phase-out from Additional Tier 1	aa (2)	3,069	3,267
34	Additional Tier 1 instruments (and CET1 instruments not included in row 5) issued by subsidiaries and held by third parties (amount allowed in group AT1)	СС	155	90
36	Additional Tier 1 capital before regulatory adjustments		4,574	4,707
	Additional Tier 1 Capital: Regulatory Adjustmen	ts		
39	Non-significant investments in the capital of banking, financial and insurance entities, net of eligible short positions (amount above 10% threshold)		-	-
40	Significant investments in the capital of banking, financial and insurance entities that are outside the scope of regulatory consolidation (net of eligible short positions)	b	-	-
41	Other deductions from Tier 1 capital as determined by OSFI		-	-
43	Total regulatory adjustments to Additional Tier 1 capital		-	-
44	Additional Tier 1 Capital (AT1)		4,574	4,707
45	Tier 1 Capital (T1=CET1 + AT1)		47,048	45,247
	Tier 2 Capital: Instruments and Provisions			
46	Directly issued qualifying Tier 2 instruments	m	3,711	3,620
47	Directly issued capital instruments subject to phase-out from Tier 2		3,910	3,887
48	Tier 2 instruments issued by subsidiaries and held by third parties (amount allowed in group Tier 2)	dd	90	112
50	Eligible Collective Allowance and Excess of allowance over expected loss	c+d	551	534

		Cross-	All-in	All-in
		Reference ⁽¹⁾	Q2 2017	Q1 2017
	Tier 2 Capital: Regulatory Adjustments			
	Total regulatory adjustments to Tier 2 capital		-	-
	Tier 2 Capital (T2)		8,262	8,153
	Total Capital (TC = T1 + T2)		55,310	53,400
60	Total Risk-weighted Assets		376,401	361,468
60a	Common Equity Tier 1 (CET1) Capital RWA		374,876	359,611
60b	Tier 1 Capital RWA		375,148	359,942
60c	Total Capital RWA		375,366	360,208
	Capital Ratios and Buffers			
61	Common Equity Tier 1 (as a percentage of risk-weighted assets)		11.3	11.3
62	Tier 1 (as a percentage of risk-weighted assets)		12.5	12.6
63	Total capital (as a percentage of risk-weighted assets)		14.7	14.8
	Institution specific buffer requirement (minimum CET1 requirement plus capital conservation		0.00/	0.00/
64 65	and countercyclical buffer requirements, expressed as a percentage of risk-weighted assets) of which: capital conservation buffer requirement		8.0% 2.5%	8.0% 2.5%
00	·		2.3 /6	2.576
66	of which: bank specific countercyclical buffer requirement		0.0%	0.0%
67	of which: G-SIB buffer requirement		0.0%	0.0%
68	Common Equity Tier 1 available to meet buffers (as a percentage of risk weighted assets)		11.3	11.3
-00	OSFI all-in target (minimum + capital conservation buffer + DSIB sure	charge (if applica		0.004
69 70	Common Equity Tier 1 All-in target ratio Tier 1 capital all-in target ratio		8.0% 9.5%	8.0% 9.5%
				11.5%
71	Total capital all-in target ratio		11.5%	11.5%
70	Amounts below the thresholds for the deduction (before ris	k-weighting)		4.000
72 73	Non-significant investments in the capital of other financial institutions Significant investments in the common stock of financial institutions		1,339 4,254	1,669 4,094
75			, .	
/5	Deferred tax assets arising from temporary differences (net of related tax liability) Applicable caps on the inclusion of allowances in T	ior 2	2,118	1,962
76	Allowances eligible for inclusion in Tier 2 in respect to exposures subject to standardized approach (prior to application of cap)	ici Z	551	534
77	Cap on inclusion of allowances in Tier 2 under standardized approach		1,445	1,331
78	Allowances eligible for inclusion in Tier 2 in respect to exposures subject to internal ratings-		_	_
, ,	based approach (prior to application of cap)			
79	Cap for inclusion of allowances in Tier 2 under internal ratings-based approach		1,272	1,231
	Capital instruments subject to phase-out arrangements (only applicable between	een Jan 1 2018 ar	nd Jan 1 2022)	
80	Current cap on CET1 instruments subject to phase-out arrangements		50%	50%
81	Amount excluded from CET1 due to cap (excess over cap after redemptions and maturities)		<u>-</u>	-
82	Current cap on AT1 instruments subject to phase-out arrangements		50%	50%
83	Amount excluded from AT1 due to cap (excess over cap after redemptions and maturities)		-	32
84	Current cap on T2 instruments subject to phase-out arrangements		50%	50%
85	Amount excluded from T2 due to cap (excess over cap after redemptions and maturities)		-	-

⁽¹⁾ Cross-referenced to the Consolidated Balance Sheet: Source of Definition of Capital Components on page 5 (refer to column: Under Regulatory Scope of Consolidation).
(2) Line 33 also includes \$1,400 of capital instruments issued by trusts not consolidated under accounting standard IFRS 10, effective Q1 2014.



	Cross Reference to Page 4 Definition of Capital Components	Consolidated Statement of Financial Position ⁽¹⁾	Under regulatory scope of consolidation (2)
(\$MM)		Q2 2017	Q2 2017
Assets			
Cash and deposits with financial institutions Precious metals		50,877 8,534	50,877 8,534
Trading Assets Securities		90,505	90,501
- Investment in own shares	a	· ·	10 90,491
- Other trading securities Loans		18,895	18,895
Other		2,431	2,431
		111,831	111,827
Financial assets designated at fair value through profit or loss		251	251
Securities purchased under resale agreements and securities borrowed		101,643	101,643
Derivative financial instruments		37,641	37,641
Investment securities		69,792	69,089
 Significant investments in Additional Tier 1 capital of other financial institutions reflected in regulatory capital 	b		
-Other securities ⁽³⁾			69,089
Loans Residential mortgages Personal and credit cards ⁽³⁾		228,313 101,291	228,150 100,081
Business and government (3)		171,242	171,007
Allowance for credit losses		500,846 4,591	499,238 4,591
- Collective Allowance reflected in Tier 2 capital - Shortfall of allowances to expected loss - Excess of allowances to expected loss	c ee d	4,351	551 (13)
- Allowances not reflected in regulatory capital			4,053
Other Customers' liability under acceptances Property and equipment		10,378 2,355	10,378 2,350
Investments in associates - Significant Investments in other financial institutions including		4,523	4,867
deconsolidated subsidiaries exceeding 10% regulatory thresholds - Significant Investments in other financial institutions including	е		506
deconsolidated subsidiaries exceeding 15% regulatory thresholds - Significant Investments in other financial institutions including	f		52
deconsolidated subsidiaries within regulatory thresholds			4,309
Goodwill & other intangible assets - Goodwill	g	12,285	12,781 7,473
- Imputed goodwill for significant investments	g		496
- Intangibles (excl. computer software)	h		2,993
- Computer software intangibles Deferred tax assets		1,933	1,819 1,932
 Deferred tax assets arising from temporary differences exceeding the regulatory threshold 	j	,,,,,,	26
 Deferred tax assets that rely on future profitability Deferred tax assets not deducted from regulatory capital 	k		444 1,462
Other assets		13,348	13,213
- Defined pension fund assets - Other assets	1		200 13,013
- Outer assets		44,822	45,521
Total assets		921,646	920,030

		T	
	Cross Reference to Page 4 Definition of Capital Components	Consolidated Statement of Financial Position ⁽¹⁾	Under regulatory scope of consolidation (2)
(\$MM)	Components	Q2 2017	Q2 2017
Liabilities		4-011	7=
Deposits Personal		202,004	202,004
Business and government		379,015	379,015
Financial institutions		47,190	47,190
		628,209	628,209
Financial instruments designated at fair value through profit or loss		2,545	2,545
Other			
Acceptances		10,378	10,378
Obligations related to securities sold short Derivative financial instruments		30,078 40,336	30,078 40,336
Obligations related to securities sold under repurchase agreements and securities lent		95,664	95,664
Subordinated debentures		7,621	7,621
Regulatory capital amortization of maturing debentures Subordinated debentures used for regulatory capital	1		
- of which: are included in Tier 2 capital	m		3,711
- of which: are subject to phase-out included in Tier 2 capital (50%)	m		3,910
- of which: are subject to phase-out not included in Tier 2 capital			
Other liabilities		47,016	45,400
- Liquidity reserves	0	,0.0	3
- Gains/losses due to changes in own credit risk including DVA on			
derivatives - Deferred tax liabilities	р		275 648
- Intangible assets (excl. computer software and mortgage servicing rights)	q		830
- Intangible assets - computer software	r q		235
- Defined benefit pension fund assets	s		66
- Other deferred tax liabilities			(483)
- Other liabilities		231,093	44,474 229,477
Total liabilities		861,847	860,231
Equity			
Common equity			
- Common shares	u	15,614	15,614
Retained earnings Accumulated other comprehensive income (loss)	v w	36,234 3,141	36,234 3,141
- Accumulated other comprehensive income (loss)	W	3,141	3,141
- Cash flow hedging reserve	x		87
- Other			3.054
***	1		2,23
- Other reserves	у	126	126
Total common equity Preferred shares		55,115 3,019	55,115 3,019
- of which: are qualifying Tier 1 capital	z	3,013	1,350
- of which: are subject to phase out and included in Tier 1 capital (50%)	aa		1,669
- of which: are subject to phase out and not included into Tier 1 capital Total equity attributable to equity holders of the bank		58,134	58,134
	1	30,134	30,134
Non-controlling interests		,	
Non-controlling interest in subsidiaries - portion allowed for inclusion into CET1	bb	1,665	1,665 625
- portion allowed for inclusion into Tier 1 capital	CC		155
- portion allowed for inclusion into Tier 2 capital	dd		90
- portion not allowed for regulatory capital		59,799	795 59,799
Total equity Total liabilities and equity	1	921,646	920,030
rotal nabilities and equity	<u>i</u>	921,046	920,030

⁽¹⁾ Consolidated Statement of Financial Position as reported in the 2017 Quarterly Report - Second Quarter results (page 35).

⁽²⁾ Legal Entities that are within the accounting scope of consolidation but excluded from the regulatory scope of consolidation represent the Bank's insurance subsidiaries whose principle activities include insurance, reinsurance, property and casualty insurance. Key subsidiaries are Scotia Insurance Barbados Ltd (assets: \$182MM, equity: \$130MM), Scotia Life Insurance Company (assets: \$88MM, equity: \$149MM), Scotia Life Trinidad and Tobago Ltd (assets: \$345MM, equity: \$149MM), Scotia Life Insurance Company (assets: \$80MM, equity: \$149MM), Scotia Life Insurance Company (assets: \$149MM), Scotia Li

⁽³⁾ Effective Q3 2016, securitized credit card exposures are excluded from the regulatory scope of consolidation under OSFI's Securitization Framework.



		Credit Risk Exposures							es	Total		
	Drav	vn		Other	Exposures		Market Risk	Market Risk Exposures				
As at April 30, 2017 (\$MM)	Non-retail	Retail	Securitization	Repo-style Transactions	OTC Derivatives	Equity	Also subject to Credit Risk		All Other ⁽¹⁾			
Cash and deposits with financial institutions	48,430	-	- Occurringation	-	-		-		2,447	50,877		
Precious metals	-0,-00	_		_	_	_		8,534	-,	8,534		
Trading assets:								0,004		0,004		
Securities	_	_	_	_	-	_	_	90,505	_	90,505		
Loans	11,154	_		_	_	_	11,154	7,741	_	18,895		
Other	-	-	-	-	_	-	-	2,431	-	2,431		
Financial assets designated at fair value through profit or loss	16	-	-	-	-	-	-	235	-	251		
Securities purchased under resale agreements and securities borrowed	-	-	-	101,643	-	-	-	-	-	101,643		
Derivative financial instruments	-	-	-	· -	37,641	-	33,792	-	-	37,641		
Investment securities	65,962	-	546	-	· •	2,333	· -	-	951	69,792		
Loans:												
Residential mortgages ⁽²⁾	100,862	127,288	-	-	_	-	-	-	163	228,313		
Personal and credit cards	-	97,780	2,401	-	-	-	-	-	1,110	101,291		
Business & government	160,844	2,681	7,699	-	-	-	-	-	18	171,242		
Allowances for credit losses ⁽³⁾	(804)	· -	,	_		_		_	(3,787)	(4,591)		
Customers' liability under acceptances	10,378	_	_	_	_	_	_	_	(0,. 0.)	10,378		
Property and equipment	-	-	-	-	_	-	-	-	2,355	2,355		
Investments in associates	_	-		-	_	_	-	-	4,523	4,523		
Goodwill and other intangible assets	-	-	-	-	-	-	-	-	12,285	12,285		
Other (including Deferred tax assets)	1,124	488	-	-	-	-	-	-	13,669	15,281		
Total	397,966	228,237	10,646	101,643	37,641	2,333	44,946	109,446	33,734	921,646		

	Credit Risk Exposures						Ot	Total		
	Draw	/n	Other Exposures		Market Risk Exposures					
As at January 31, 2017 (\$MM)	Non-retail	Retail	Securitization	Repo-style Transactions	OTC Derivatives	Equity	Also subject to Credit Risk		All Other ⁽¹⁾	
Cash and deposits with financial institutions	45,968	-	-	-	-	-	-	-	2,461	48,429
Precious metals	-	-	-	-	-	-	-	7,198	-	7,198
Trading assets:										
Securities	-	-	-	-	-	-	-	88,360	-	88,360
Loans	8,664	-	-	-	-	-	8,664	8,000	-	16,664
Other	-	-	-	-	-	-	-	1,494	-	1,494
Financial assets designated at fair value through profit or loss	15	-	-	-	-	-	-	221	-	236
Securities purchased under resale agreements and securities borrowed	-	-	-	97,327	-	-	-	-	-	97,327
Derivative financial instruments	-	-	-	-	34,963	-	31,782	-	-	34,963
Investment securities	69,056	-	541	-	-	2,386	-	-	738	72,721
Loans:										
Residential mortgages ⁽²⁾	103,538	120,395	-	-	-	-	-	-	152	224,085
Personal and credit cards	-	94,640	2,460	-	-	-	-	-	1,110	98,210
Business & government	149,754	2,582	7,221	-	-	-	-	-	9	159,566
Allowances for credit losses ⁽³⁾	(786)	-	-	-	-	-	-	-	(3,722)	(4,508)
Customers' liability under acceptances	11,185	-	-	-	-	-	-	-	-	11,185
Property and equipment	-	-	-	-	-	-	-	-	2,275	2,275
Investments in associates	-	-	-	-	-	-	-	-	4,262	4,262
Goodwill and other intangible assets	-	-	-	-	-	-	-	-	12,056	12,056
Other (including Deferred tax assets)	925	484	-	-	-	-	-	-	11,060	12,469
Total	388,319	218,101	10,222	97,327	34,963	2,386	40,446	105,273	30,401	886,992

⁽¹⁾ Includes the Bank's insurance subsidiaries' assets and all other assets which are not subject to credit and market risks.

⁽²⁾ Includes \$98.4 billion (Q1, 2017 - \$101.0 billion) in mortgages guaranteed by Canada Mortgage Housing Corporation (CMHC) and portions of privately insured mortgages. CMHC guarantees under the PD substitution are reclassified to sovereign.

⁽³⁾ Amounts for AIRB exposures are reported gross of allowances and amounts for Standardized exposures are reported net of allowances.

FLOW STATEMENT FOR REGULATORY CAPITAL



					Basel III	All-in				
	Q2 2017	Q1 2017	Q4 2016	Q3 2016	Q2 2016	Q1 2016	Q4 2015	Q3 2015	Q2 2015	Q1 2015
(\$MM)										
Common Equity Tier 1 (CET1) capital										
Opening amount	40,540	39,989	37,690	35,911	37,645	36,965	36,077	34,750	34,389	33,742
Net income attributable to equity holders of the Bank	1,997	1,948	1,939	1,897	1,523	1,758	1,783	1,795	1,757	1,679
Dividends paid to equity holders of the Bank	(947)	(934)	(924)	(904)	(899)	(871)	(870)	(851)	(853)	(832)
Shares issued	93	138	185	114	22	42	22	33	16	26
Shared repurchased/redeemed	(572)	(138)	-	-	(15)	(65)	(311)	(170)	(29)	(445)
Removal of own credit spread (net of tax)	(4)	40	5	(8)	143	(142)	(26)	(59)	37	(110)
Movements in other comprehensive income, excluding cash flow hedges	1,611	(534)	894	627	(2,835)	842	(330)	1,376	(1,180)	1,586
Currency translation differences	1,835	(1,151)	802	991	(2,826)	1,455	(276)	1,400	(1,450)	2,259
Available-for-sale investments	103	(49)	(49)	33	13	(177)	(306)	(87)	(33)	(43)
Employee Benefits	(338)	667	133	(386)	(25)	(443)	246	80	303	(643)
Other	11	(1)	8	(11)	3	7	6	(17)	-	13
Goodwill and other intangible assets (deduction, net of related tax liability)	(233)	106	(123)	(166)	(121)	(161)	(27)	(462)	157	(208)
Other, including regulatory adjustments and transitional arrangements	(11)	(75)	323	219	448	(723)	647	(335)	456	(1,049)
Deferred tax assets that rely on future probability	23	17	3	11	41	-	45	18	13	5
Threshold deductions	(181)	32	373	203	308	(655)	552	(288)	421	(1,044)
Other	147	(124)	(53)	5	99	(68)	50	(65)	22	(10)
Closing Amount	42,474	40,540	39,989	37,690	35,911	37,645	36,965	36,077	34,750	34,389
Other Additional Tier 1 capital										
Opening amount	4,707	5,077	4,574	4,848	4,338	4,401	4,397	4,327	4,328	4,331
New Additional Tier 1 eligible capital issues	-	-	500	-	500	350				
Redeemed capital	(230)	(345)	-	(345)	(345)	-	-	-	-	-
Other, capital including regulatory adjustments and transitional arrangements	97	(25)	3	71	355	(413)	4	70	(1)	(3)
Closing Amount	4,574	4,707	5,077	4,574	4,848	4,338	4,401	4,397	4,327	4,328
Total Tier 1 capital	47,048	45,247	45,066	42,264	40,759	41,983	41,366	40,474	39,077	38,717
Tier 2 capital										
Opening amount	8,153	8,264	8,207	8,080	8,430	6,864	6,837	6,786	5,637	5,519
New Tier 2 eligible capital issues	-	-	-	-	-	2,537	-	-	1,250	-
Redeemed capital	-	-	-	(16)	(19)	(1,000)	-	-	-	-
Amortization adjustments	-		-	-	-		-	-	-	-
Other, including regulatory adjustments and transitional adjustments	109	(111)	57	143	(331)	29	27	51	(101)	118
Closing Amount	8,262	8,153	8,264	8,207	8,080	8,430	6,864	6,837	6,786	5,637
Total regulatory capital	55,310	53,400	53,330	50,471	48,839	50,413	48,230	47,311	45,863	44,354

RISK-WEIGHTED ASSETS AND CAPITAL RATIOS



	Basel III - All-in										
(\$B)					IFRS						
	Q2 2017	Q1 2017	Q4 2016	Q3 2016	Q2 2016	Q1 2016	Q4 2015	Q3 2015	Q2 2015	Q1 2015	
RISK-WEIGHTED ASSETS:(1)											
On-Balance Sheet Assets											
Cash Resources	4.3	3.5	3.7	3.9	4.1	3.7	3.3	3.3	3.0	3.2	
Securities	10.2	9.4	9.6	10.7	10.3	11.2	9.5	10.3	11.4	12.4	
Residential Mortgages	27.9	25.7	25.0	23.2	22.5	25.9	25.0	24.9	22.2	21.9	
Loans - Personal Loans	51.9	50.5	52.0	49.5	49.0	48.7	46.2	45.2	43.4	43.9	
- Non-Personal Loans	121.0	114.6	118.8	118.6	120.4	125.1	117.4	111.7	104.8	106.9	
All Other	29.8	29.2	28.8	27.6	27.0	29.0	28.9	28.7	26.6	27.2	
	245.1	232.9	237.9	233.5	233.2	243.6	230.3	224.1	211.4	215.5	
Off-Balance Sheet Assets											
Indirect Credit Instruments	58.1	53.1	54.1	51.0	48.5	49.2	49.2	46.8	43.2	43.4	
Derivative Instruments	12.0	13.4	12.1	12.9	13.2	20.0	17.9	18.2	16.8	19.7	
	70.1	66.5	66.2	63.9	61.7	69.2	67.1	65.0	60.0	63.1	
Total Credit Risk before AIRB scaling factor	315.2	299.4	304.1	297.4	294.9	312.8	297.4	289.1	271.4	278.6	
AIRB Scaling factor ⁽²⁾	10.9	10.4	10.7	10.5	10.6	11.1	10.6	10.2	9.6	9.8	
Total Credit Risk after AIRB scaling factor	326.1	309.8	314.8	307.9	305.5	323.9	308.0	299.3	281.0	288.4	
Market Risk - Risk Assets Equivalent	9.2	10.6	10.6	11.7	13.9	14.1	14.4	13.5	13.5	13.1	
Operational Risk - Risk Assets Equivalent	39.6	39.2	38.6	38.1	37.5	36.5	35.6	35.2	34.2	33.7	
CET1 Risk-weighted Assets ⁽³⁾	374.9	359.6	364.0	357.7	356.9	374.5	358.0	348.0	328.7	335.2	
Tier 1 Risk-weighted Assets ⁽³⁾	375.1	359.9	364.5	358.2	357.4	375.4	358.8	348.8	329.4	336.1	
Total Risk-weighted Assets ⁽³⁾	375.4	360.2	364.9	358.6	357.8	376.1	359.5	349.5	330.1	336.9	
REGULATORY CAPITAL RATIOS (%):											
Common Equity Tier 1	11.3	11.3	11.0	10.5	10.1	10.1	10.3	10.4	10.6	10.3	
Tier 1	12.5	12.6	12.4	11.8	11.4	11.2	11.5	11.6	11.9	11.5	
Total	14.7	14.8	14.6	14.1	13.6	13.4	13.4	13.5	13.9	13.2	

⁽¹⁾ For purposes of this presentation only, Risk-weighted Assets (RWA) are shown by balance sheet categories. Details by Basel III exposure type are shown on pages 11-12 entitled, "Exposure at Default and Risk-Weighted Assets for Credit Risk Portfolios".

⁽²⁾ The Basel Framework requires an additional 6% scaling factor to AIRB credit risk portfolios (excluding exposures with a risk-weight of 1250%).

⁽³⁾ As per OSFI guideline, effective Q1 2014, Credit Valuation Adjustment RWA on derivatives was phased-in . Starting Q1, 2017 the CVA risk-weighted assets have been calculated using the scalars of 0.72, 0.77 and 0.81, to compute the CET1 capital ratio, Tier 1 capital ratio and Total capital ratio, respectively.



Credit Risk Risk-weighted Assets (RWA)	Q2 2	017	Q1 2017		
(\$MM)	Credit Risk ⁽¹⁾	Of which Counterparty Credit Risk	Credit Risk ⁽¹⁾	Of which Counterparty Credit Risk	
CET1 Credit risk-weighted assets as at beginning of Quarter	309,719	18,379	314,822	16,432	
Book size ⁽²⁾⁽³⁾	6,150	(1,247)	(243)	1,991	
Book quality ⁽⁴⁾	(960)	(620)	1,510	(120)	
Model updates ⁽⁵⁾	-	-	(589)	-	
Methodology and policy ⁽⁶⁾	-	-	1,062	521	
Acquisitions and disposals	-	-	-	-	
Foreign exchange movements	11,201	997	(6,843)	(445)	
Other	-	-	-	-	
CET1 Credit risk-weighted assets as at end of Quarter	326,110	17,509	309,719	18,379	
Tier 1 CVA scalar	272	272	331	331	
Tier 1 Credit risk-weighted assets as at end of Quarter	326,382	17,781	310,050	18,710	
Total CVA scalar	218	218	266	266	
Total Credit risk-weighted assets as at end of Quarter	326,600	17,999	310,316	18,976	

- (1) In accordance with OSFI's requirements, in 2017 scalars for CVA risk-weighted assets (RWA) of 0.72, 0.77 and 0.81 were used to compute the CET1 capital ratio, Tier 1 capital ratio and Total capital ratio, respectively.
- (2) Book size is defined as organic changes in book size and composition (including new business and maturing loans).
- (3) Book size for Counterparty Credit Risk for Q2 2017 includes a 6% scalar adjustment of \$755 million.
- (4) Book quality is defined as quality of book changes, including those caused by experience such as underlying customer behaviour or demographics, and changes through model calibrations/realignments.
- (5) Model updates are defined as model implementation, change in model scope or any change to address model enhancement.
- (6) Methodology and policy is defined as methodology changes to the calculations driven by regulatory policy changes, such as new regulation (e.g. Basel III).

Market Risk RWA (\$MM)	Q2 2017	Q1 2017
Market risk-weighted assets as at beginning of Quarter	10,643	10,571
Movement in risk levels ⁽¹⁾	(1,573	72
Model updates ⁽²⁾	82	
Methodology and policy ⁽³⁾		-
Acquisitions and disposals		-
Other	-	-
Market risk-weighted assets as at end of Quarter	9,152	10,643

- (1) Movement in risk levels are defined as changes in risk due to position changes and market movements. Foreign exchange movements are embedded within Movement in risk levels.
- (2) Model updates are defined as updates to the model to reflect recent experience and change in model scope.
- (3) Methodology and policy is defined as methodology changes to the calculations driven by regulatory policy changes (e.g. Basel III).

Operational Risk RWA (\$MM)	Q2 2017	Q1 2017
Operational risk-weighted assets as at beginning of Quarter	39,249	38,655
Acquisitions and disposals	-	-
Higher Revenue	365	594
Operational risk-weighted assets as at end of Quarter	39,614	39,249

RISK-WEIGHTED ASSETS ARISING FROM THE ACTIVITIES OF THE BANK'S BUSINESSES



			Q2 2017		
CET1 Risk-weighted Assets (RWA)	Canadian Banking	International Banking	Global Banking & Markets	Other	All Bank
CET1 RWA (\$B) Proportion of Bank	\$112.5 30%		\$111.4 30%	\$10.2 3%	\$374.9 101%
Comprised of: Credit risk	84%			96%	
Market risk Operational risk	- % 16%	-		7% -3%	2% 11%

			Q1 2017		
CET1 Risk-weighted Assets (RWA)	Canadian Banking	International Banking	Global Banking & Markets	Other	All Bank
CET1 RWA (\$B)	\$109.9	\$129.8	\$109.6	\$10.3	\$359.6
Proportion of Bank	31%	36%	30%	3%	100%
Comprised of:					
Credit risk	84%	87%	87%	93%	86%
Market risk	- %	2%	6%	7%	3%
Operational risk	16%	11%	7%	- %	11%

EXPOSURE AT DEFAULT AND RISK-WEIGHTED ASSETS FOR CREDIT RISK PORTFOLIOS



(\$MM)								Basel III - IF	RS								
				Q2 2	017			Q1 2	017	Q4 2	016	Q3 2	2016	Q2 2	016	Q1 2	016
		All	RB	Standa	rdized	To	tal	То		Tot	tal	To	otal	Tot	tal	Tot	:al
Exposure Type	Sub-type	EAD (1)	RWA ⁽²⁾⁽⁴⁾	EAD (1)	RWA ⁽²⁾	EAD (1)	RWA ⁽²⁾⁽⁴⁾	EAD (1)	RWA ⁽²⁾⁽⁴⁾	EAD (1)	RWA ⁽²⁾⁽⁴⁾	EAD (1)	RWA ⁽²⁾⁽⁴⁾	EAD (1)	RWA ⁽²⁾⁽⁴⁾	EAD (1)	RWA ⁽²⁾
Non-Retail																	
Corporate	Drawn	129,854	69,699	51,644	49,909	181,498	119,608	171,433	113,535	175,784	117,178	175,250	117,309	173,987	118,625	175,672	122,318
	Undrawn	76,421	32,692	6,545	6,423	82,966	39,115	74,738	34,789	73,711	34,499	70,614	32,197	67,024	30,648	71,934	32,458
	Other ⁽³⁾	40,290	13,260	3,049	2,967	43,339	16,227	38,657	16,060	39,943	16,356	40,458	16,043	42,964	15,968	45,648	16,314
	Total	246,565	115,651	61,238	59,299	307,803	174,950	284,828	164,384	289,438	168,033	286,322	165,549	283,975	165,241	293,254	171,090
Bank	Drawn	21,498	4,755	3,063	2,370	24,561	7,125	20,462	5,670	26,022	6,567	26,609	6,662	24,836	6,579	25,881	7,522
	Undrawn	3,787	628	108	104	3,895	732	1,953	345	1,982	368	1,894	271	1,847	315	1,784	260
	Other ⁽³⁾	10,935	1,500	139	139	11,074	1,639	9,118	1,328	13,175	2,567	12,313	1,749	10,497	1,539	12,430	2,069
	Total	36,220	6,883	3,310	2,613	39,530	9,496	31,533	7,343	41,179	9,502	40,816	8,682	37,180	8,433	40,095	9,851
Sovereign	Drawn	85,460	3,658	8,094	1,318	93,554	4,976	95,419	4,640	88,760	5,161	108,164	5,266	99,458	5,698	109,153	5,654
	Undrawn	936	118	27	16	963	134	898	103	1,052	119	841	98	872	129	816	46
	Other ⁽³⁾	766	7	3	3	769	10	1,018	13	497	12	547	3	371	4	508	8
	Total	87,162	3,783	8,124	1,337	95,286	5,120	97,335	4,756	90,309	5,292	109,552	5,367	100,701	5,831	110,477	5,708
Total Non-Retail	Drawn	236,812	78,112	62,801	53,597	299,613	131,709	287,314	123,845	290,566	128,906	310,023	129,237	298,281	130,902	310,706	135,494
	Undrawn Other ⁽³⁾	81,144	33,438 14,767	6,680	6,543 3,109	87,824 55,182	39,981 17,876	77,589	35,237	76,745 53,615	34,986	73,349 53,318	32,566 17,795	69,743 53,832	31,092 17,511	74,534	32,764
	Total	51,991 369.947	14,767	3,191 72.672	63,249	442,619	189.566	48,793 413.696	17,401 176.483	420.926	18,935 182.827	436,690	17,795	53,832 421.856	17,511	58,586 443,826	18,391 186,649
Poteil	I Otal	303,541	120,517	72,072	03,243	442,013	109,300	413,090	170,403	420,320	102,027	430,090	173,330	421,030	179,505	443,020	100,043
Retail	Drawn	192,728	12,512	33,445	15,345	226,173	27,857	221,928	25,739	220,917	25,028	217,538	23,207	214,633	22,467	217,345	25,942
Residential Mortgages	Undrawn	192,720	12,512	33,445	15,545	220,173	21,031	221,920	25,739	220,917	25,026	217,556	23,207	214,033	22,407	217,345	25,942
	Total	192,728	12,512	33,445	15,345	226,173	27,857	221,928	25,739	220,917	25,028	217,538	23,207	214,633	22,467	217,345	25,942
Secured Lines Of Credit	Drawn	19,642	3,079	_	-	19,642	3,079	19,099	3,056	19,233	4,497	19,200	4,412	18,918	4,390	18,550	4,310
Cocarda Emico di Croan	Undrawn	14,648	827	-	-	14,648	827	14,334	793	14,587	1,359	14,298	1,286	14,045	1,268	13,778	1,225
	Total	34,290	3,906	-	-	34,290	3,906	33,433	3,849	33,820	5,856	33,498	5,698	32,963	5,658	32,328	5,535
Qualifying Revolving Retail	Drawn	16,875	9,413	-	-	16,875	9,413	16,753	9,683	16,717	9,463	16,483	9,316	17,474	9,997	17,244	9,953
Exposures (QRRE)	Undrawn	26,309	3,102	-	-	26,309	3,102	25,916	3,085	21,108	2,656	20,519	2,564	20,100	2,549	19,693	2,481
	Total	43,184	12,515	-	-	43,184	12,515	42,669	12,768	37,825	12,119	37,002	11,880	37,574	12,546	36,937	12,434
Other Retail	Drawn	28,503	13,243	35,397	26,124	63,900	39,367	61,325	37,777	62,182	38,006	58,627	35,742	56,615	34,574	56,432	34,436
	Undrawn	1,042	233	-	-	1,042	233	1,009	225	799	203	691	165	674	159	669	158
	Total	29,545	13,476	35,397	26,124	64,942	39,600	62,334	38,002	62,981	38,209	59,318	35,907	57,289	34,733	57,101	34,594
Total Retail	Drawn	257,748	38,247	68,842	41,469	326,590	79,716	319,105	76,255	319,049	76,994	311,848	72,677	307,640	71,428	309,571	74,641
	Undrawn Total	41,999 299,747	4,162 42,409	68,842	41,469	41,999 368.589	4,162 83,878	41,259 360,364	4,103 80.358	36,494 355,543	4,218 81,212	35,508 347,356	4,015 76,692	34,819 342,459	3,976 75,404	34,140 343,711	3,864 78,505
Securitizations	I Otal	24,785	2,717	00,042	41,409	24,785	2,717	23,589	2,561	25,025	2,613	25,110	2,793	23,763	2,588	23,527	2,719
Trading Derivatives ⁽⁴⁾		24,765	7,547	_		24,765	7,547	24,842	8,295	23,421	6,599	23,633	6,758	23,144	6,924	31,216	9,042
Derivatives - credit valuation adjustment	ont(4)(5)	24,570	7,547		3,923	24,570	3,923	24,042	4,775	20,421	4,165	20,000	4,749	25,144	4,778	51,210	8,304
			<u>_</u>			_	-		-				-	-			
Total Credit Risk (Excluding Equition	es & Other Assets)	718,849	178,990	141,514	108,641	860,363	287,631	822,491	272,472	824,915	277,416	832,789	270,590	811,222	269,199	842,280	285,219
Equities		2,333	2,276	-	-	2,333	2,276	2,386	2,426	2,042	2,042	2,331	2,331	2,393	2,393	2,703	2,703
Other Assets		-	•	51,607	25,339	51,607	25,339	46,171	24,380	49,829	24,659	50,229	24,486	53,444	23,297	59,267	24,882
Total Credit Risk (Before Scaling Fa	actor)	721,182	181,266	193,121	133,980	914,303	315,246	871,048	299,278	876,786	304,117	885,349	297,407	867,059	294,889	904,250	312,804
Add-on for 6% Scaling Factor ⁽⁶⁾			10,864				10,864		10,441		10,705		10,513		10,576		11,095
Total Credit Risk		721,182	192,130	193,121	133,980	914,303	326,110	871,048	309,719	876,786	314,822	885,349	307,920	867,059	305,465	904,250	323,899

⁽¹⁾ Exposure at default, before credit risk mitigation for AIRB exposures, after related allowances for credit losses for Standardized exposures.
(2) CET1 Risk-weighted Assets.

⁽²⁾ Oct. 1 (1987) Program Assess.

(3) Includes lending instruments such as letters of credit and letters of guarantee; banking book derivatives and repostyle exposures, net of related collateral.

(4) As of Q2 2016, the bank implemented the Internal Modelling Method for determination of Counterparty Credit Risk and Credit Valuation Adjustment RWA.

⁽⁴⁾ As the QS 2014, and a substant injective the Test and Control variable in New York (14) and Control variable in New York (14) and Control variable in New York (15) and Control vari

EXPOSURE AT DEFAULT AND RISK-WEIGHTED ASSETS FOR CREDIT RISK PORTFOLIOS (CONTINUED)



		Basel III - IFRS															
(\$MM)		Q4 2	015	Q3 2	015	Q2 2	015	Q1 20	015	Q4 20	014	Q3 2	014	Q2 2	014	Q1 2	014
Exposure Type	Sub-type	EAD (1)	RWA ⁽²⁾														
Non-Retail																	
Corporate	Drawn	157,514	112,836	151,360	106,697	146,075	100,609	145,012	101,339	130,621	90,240	128,408	90,365	128,608	90,079	121,562	86,649
	Undrawn	58,915	29,035	56,306	27,606	51,361	24,589	53,974	24,963	47,082	22,314	44,855	21,274	41,619	19,554	42,968	20,444
	Other ⁽³⁾	40,425	15,476	43,981	16,093	37,643	14,254	35,068	12,327	31,678	11,496	31,704	11,246	26,552	10,126	30,930	11,540
	Total	256,854	157,347	251,647	150,396	235,079	139,452	234,054	138,629	209,381	124,050	204,967	122,885	196,779	119,759	195,460	118,633
Bank	Drawn	27,165	8,344	27,400	7,109	25,700	6,679	32,358	8,435	25,883	7,500	26,237	7,882	29,067	9,053	34,833	9,949
	Undrawn	11,386	3,726	11,741	3,793	11,406	3,672	12,222	3,914	10,954	3,356	11,552	3,559	10,620	3,279	11,879	3,507
	Other ⁽³⁾	14,906	3,253	12,351	2,188	10,190	1,830	9,535	1,753	8,195	1,486	7,929	1,394	8,228	1,370	7,904	1,304
	Total	53,457	15,323	51,492	13,090	47,296	12,181	54,115	14,102	45,032	12,342	45,718	12,835	47,915	13,702	54,616	14,760
Sovereign	Drawn	96,263	4,203	102,869	5,471	80,325	5,527	82,035	5,544	76,107	4,858	68,768	4,664	77,072	4,717	71,279	5,145
•	Undrawn	2,133	355	1,802	168	1,543	161	1,465	139	1,352	140	1,353	177	1,359	189	1,440	263
	Other ⁽³⁾	1,016	36	694	46	544	15	1,137	63	805	33	775	26	856	31	1,191	28
	Total	99,412	4,594	105,365	5,685	82,412	5,703	84,637	5,746	78,264	5,031	70,896	4,867	79,287	4,937	73,910	5,436
Total Non-retail	Drawn	280,942	125,383	281,629	119,277	252,100	112,815	259,405	115,318	232,611	102,598	223,413	102,911	234,747	103,849	227,674	101,743
	Undrawn	72,434	33,116	69,849	31,567	64,310	28,422	67,661	29,016	59,388	25,810	57,760	25,010	53,598	23,022	56,287	24,214
	Other ⁽³⁾	56,347	18,765	57,026	18,327	48,377	16,099	45,740	14,143	40,678	13,015	40,408	12,666	35,636	11,527	40,025	12,872
	Total	409,723	177,264	408,504	169,171	364,787	157,336	372,806	158,477	332,677	141,423	321,581	140,587	323,981	138,398	323,986	138,829
Retail																	
Residential Mortgages	Drawn	215,590	24,967	214,183	24,854	211,805	22,196	213,185	21,893	211,341	19,766	210,743	19,360	210,451	19,466	210,691	19,085
	Undrawn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	215,590	24,967	214,183	24,854	211,805	22,196	213,185	21,893	211,341	19,766	210,743	19,360	210,451	19,466	210,691	19,085
Secured Lines Of Credit	Drawn	18,804	4,197	18,992	4,207	19,047	4,293	18,952	4,435	19,115	4,487	18,590	4,409	18,459	4,509	18,220	4,552
	Undrawn	12,631	1,133	12,553	1,181	12,354	1,158	12,312	1,243	12,209	1,282	17,724	1,857	13,265	1,394	13,052	1,370
	Total	31,435	5,330	31,545	5,388	31,401	5,451	31,264	5,678	31,324	5,769	36,314	6,266	31,724	5,903	31,272	5,922
Qualifying Revolving	Drawn	16,910	10,031	16,602	9,662	16,426	9,556	16,257	9,564	16,011	9,356	15,953	7,622	15,653	7,153	15,412	7,171
	Undrawn	17,705	2,241	17,123	2,135	16,734	2,058	16,716	2,151	16,196	2,105	18,311	2,360	13,638	1,674	13,400	1,678
	Total	34,615	12,272	33,725	11,797	33,160	11,614	32,973	11,715	32,207	11,461	34,264	9,982	29,291	8,827	28,812	8,849
Other Retail	Drawn	53,313	32,002	51,959	31,308	48,315	29,555	48,656	29,929	47,080	28,848	45,380	27,624	42,989	26,216	41,754	25,405
	Undrawn	712	178	677	164	660	156	667	165	659	161	999	126	736	91	733	91
	Total	54,025	32,180	52,636	31,472	48,975	29,711	49,323	30,094	47,739	29,009	46,379	27,750	43,725	26,307	42,487	25,496
Total Retail	Drawn	304,617	71,197	301,736	70,031	295,593	65,600	297,050	65,821	293,547	62,457	290,666	59,015	287,552	57,344	286,077	56,213
	Undrawn Total	31,048 335.665	3,552 74,749	30,353 332.089	3,480 73,511	29,748 325,341	3,372 68,972	29,695 326.745	3,559 69,380	29,064 322,611	3,548 66,005	37,034 327.700	4,343 63,358	27,639 315,191	3,159 60,503	27,185 313,262	3,139 59,352
Securitizations	I Otal	21,000	2,759	20,926	3,705	20,083	3,711	21,166	4,086	19,982	4,621	18,163	4.947	19,406	5,527	19,900	7,273
Trading Derivatives		28,234	8,232	30,013	8,485	28,854	7,971	36,673	10,178	25,249	8,041	22,886	7,559	22,139	7,454	23,638	7,273
Derivatives - credit valuation ac	diustment ⁽⁴⁾	-	7,183	-	7,282		6,732	-	8,154		5,632	,	5,039	-	4,793		5,003
				=								****					
Total Credit risk (excl. Equitie	es & Other Assets)	794,622	270,187	791,532	262,154	739,065	244,722	757,390	250,275	700,519	225,722	690,330	221,490	680,717	216,675	680,786	217,74
Equities		2,985	2,985	3,427	3,427	3,636	3,636	4,132	4,132	4,269	4,269	4,451	4,451	4,002	4,002	4,019	4,019
Other Assets		50,873	24,265	52,878	23,551	54,146	23,056	59,475	24,208	52,288	23,065	52,377	23,550	52,771	22,224	57,028	22,930
		848,480	297,437	847,837	289,132	796,847	271,414	820,997	278,615	757,076	253,056	747,158	249,491	737,490	242,901	741,833	244,690
Add-on for 6% scaling factor ⁽⁵⁾			10,597		10,183		9,593		9,801		8,831		8,672		8,491		8,506
Total Credit Risk		848,480	308,034	847,837	299,315	796,847	281,007	820,997	288,416	757,076	261,887	747,158	258,163	737,490	251,392	741,833	253,196

⁽¹⁾ Exposure at default, before credit risk mitigation for AIRB exposures, after related allowances for credit losses for Standardized exposures.

⁽²⁾ CET1 Risk-weighted Assets.

⁽³⁾ Includes lending instruments such as letters of credit and letters of guarantee; banking book derivatives and repo-style exposures, net of related collateral.

⁽⁴⁾ As per OSFI guideline, effective Q1 2014, Credit Valuation Adjustment (CVA) RWA on derivatives was phased-in using scalars. Starting Q1, 2017 the CVA risk-weighted assets have been calculated using the scalars of 0.72, 0.77 and 0.81, to compute the CET1 capital ratio, Tier1 capital ratio and Total capital ratio, respectively.

⁽⁵⁾ The Basel Framework requires an additional 6% scaling factor to AIRB credit risk portfolios (excluding exposure with risk weight of 1250%).



Exposure at Default

					Basel II	I - IFRS				
(\$MM)			Q2 2017					Q1 2017		
		Non-Retail		Retail	Total		Non-Retail		Retail	Total
	Drawn	Undrawn	Other (3)	Retail	iotai	Drawn	Undrawn	Other (3)	Retail	IOtal
Canada	91,031	37,676	38,876	313,708	481,291	91,166	34,718	36,397	310,023	472,304
USA	79,104	30,717	41,436	-	151,257	77,323	25,857	38,015	-	141,195
Mexico	16,993	1,287	2,346	9,468	30,094	14,179	1,082	1,429	7,871	24,561
Peru	17,027	1,562	3,383	8,001	29,973	15,395	1,467	3,150	7,356	27,368
Chile	12,073	847	1,852	11,929	26,701	10,915	748	1,899	10,805	24,367
Colombia	5,045	244	289	5,821	11,399	4,782	125	179	5,511	10,597
Other International										
Europe	26,585	9,198	11,346	-	47,129	23,433	7,465	10,546	-	41,444
Caribbean	20,127	1,675	1,475	18,940	42,217	18,921	1,554	1,400	18,134	40,009
Latin America (other)	7,458	680	573	722	9,433	7,054	607	670	664	8,995
All Other	24,170	3,937	2,762	-	30,869	24,146	3,966	3,539	-	31,651
Total	299,613	87,823	104,338	368,589	860,363	287,314	77,589	97,224	360,364	822,491

			Basel III - IFRS		
	Q4 2016	Q3 2016	Q2 2016	Q1 2016	Q4 2015
Canada	468,923	462,242	448,512	449,077	435,953
USA	143,808	161,506	155,502	172,472	153,285
Mexico	26,873	24,431	24,467	25,255	23,808
Peru	28,328	26,338	26,101	28,798	27,007
Chile	23,510	22,995	21,271	22,180	19,777
Colombia	10,943	10,318	10,837	10,044	9,899
Other International					
Europe	41,525	44,132	43,796	44,444	40,048
Caribbean	41,168	40,010	38,794	42,343	39,831
Latin America (other)	8,908	9,151	9,598	10,245	8,962
All Other	30,929	31,666	32,344	37,422	36,052
Total	824,915	832,789	811,222	842,280	794,622

⁽¹⁾ Before credit risk mitigation, excluding AFS equity securities and other assets.

⁽²⁾ Geographic segmentation is based upon the location of the ultimate risk of the credit exposure.

⁽³⁾ Includes off-balance sheet lending instruments such as letters of credit and letters of guarantee, OTC derivatives, securitization and repo-style transactions net of related collateral.



NON-RETAIL AND RETAIL PORTFOLIO EXPOSURE AT DEFAULT

				Basel II	I - IFRS			
(\$MM)		Q2 :	2017			Q1 :	2017	
	Drawn	Undrawn	Other ⁽³⁾	Total	Drawn	Undrawn	Other (3)	Total
Non-Retail								
Less than 1 year	124,023	24,621	63,200	211,844	116,719	21,521	59,345	197,585
1 to 5 years	103,715	53,453	29,977	187,145	105,154	49,233	27,649	182,036
Over 5 Years	9,074	3,070	7,969	20,113	8,999	1,236	7,223	17,458
Total Non-Retail	236,812	81,144	101,146	419,102	230,872	71,990	94,217	397,079
Retail		_						
Less than 1 year	24,278	15,689		39,967	25,663	15,343		41,006
1 to 5 years	176,341	-		176,341	173,686	-		173,686
Over 5 Years	19,388	-		19,388	18,908	-		18,908
Revolving Credits ⁽⁴⁾	37,741	26,310		64,051	37,075	25,916		62,991
Total Retail	257,748	41,999		299,747	255,332	41,259		296,591
Total	494,560	123,143	101,146	718,849	486,204	113,249	94,217	693,670

		Basel	III - IFRS	
	Q4 2016	Q3 2016	Q2 2016	Q1 2016
Non-Retail				
Less than 1 year	195,369	221,088	210,853	223,167
1 to 5 years	188,751	179,413	175,155	188,042
Over 5 Years	18,880	20,236	19,395	19,199
Total Non-Retail	403,000	420,737	405,403	430,408
Retail				
Less than 1 year	44,215	44,934	44,915	46,929
1 to 5 years	167,999	163,994	162,707	162,064
Over 5 Years	20,243	21,247	19,639	18,896
Revolving Credits ⁽⁴⁾	58,285	57,408	57,609	56,604
Total Retail	290,742	287,583	284,870	284,493
Total	693,742	708,320	690,273	714,901

⁽¹⁾ Before credit risk mitigation, excluding AFS equity securities and other assets.

⁽²⁾ Remaining term to maturity of the credit exposure.

⁽³⁾ Off-balance sheet lending instruments such as letters of credit and letters of guarantee, securitization, derivatives and repo-style transactions net of related collateral.

⁽⁴⁾ Credit cards and lines of credit with unspecified maturity.

STANDARDIZED CREDIT RISK EXPOSURES BY RISK-WEIGHT



EXPOSURE AT DEFAULT⁽¹⁾

							Basel III	- IFRS							
(\$MM)				Q2 2017							Q1 2017				
Risk-weight		Non-R	etail			Retail			Non-R	etail			Retail		
Misk-weight	Corporate	Bank	Sovereign	Total	Res Mtgs	Other Retail	Total	Corporate	Bank	Sovereign	Total	Res Mtgs	Other Retail	Total	
0%	2,034	-	5,947	7,981	1,743	1,364	3,107	1,866	-	5,026	6,892	1,428	1,351	2,779	
20%	579	736	85	1,400	1,780	-	1,780	303	868	88	1,259	1,737	-	1,737	
35%	-	-	-	-	19,343	-	19,343	-	-	-	-	17,715	-	17,715	
50%	49	217	1,542	1,808	-	339	339	116	131	35	282	-	331	331	
75%	-	-	-	-	9,444	32,782	42,226	-	-	-	-	8,636	30,621	39,257	
100%	57,411	2,357	550	60,318	1,135	-	1,135	53,858	1,206	903	55,967	1,117	-	1,117	
150%+	1,165	-	-	1,165	-	912	912	648	-	-	648	-	837	837	
Total	61,238	3,310	8,124	72,672	33,445	35,397	68,842	56,791	2,205	6,052	65,048	30,633	33,140	63,773	

							Basel III -	IFRS						
	Q4 2	016	Q3 20	16	Q2 20	16	Q1 20	16	Q4 201	5	Q3 201	5	Q2 201	5
Risk-weight	Non-Retail	Retail	Non-Retail	Retail	Non-Retail	Retail	Non-Retail	Retail	Non-Retail	Retail	Non-Retail	Retail	Non-Retail	Retail
0%	7,801	2,507	7,117	2,078	6,375	1,886	6,921	1,895	6,115	1,689	6,123	1,248	5,630	1,080
20%	2,326	1,823	2,037	1,821	2,306	1,985	3,362	2,223	1,695	2,146	1,649	1,779	1,573	1,624
35%	-	17,025	-	16,295	-	15,819	-	16,733	-	16,004	-	16,198	-	17,697
50%	462	345	634	419	835	203	916	186	478	215	382	222	381	204
75%	-	41,048	-	36,866	-	35,648	-	36,021	-	32,321	-	31,942	-	26,166
100%	55,022	1,221	54,192	1,295	53,109	1,288	56,139	1,421	54,632	1,313	53,122	1,336	50,857	1,025
150%+	761	832	716	998	735	760	823	739	539	712	636	690	684	638
Total	66,372	64,801	64,696	59,772	63,360	57,589	68,161	59,218	63,459	54,400	61,912	53,415	59,125	48,434

⁽¹⁾ Net of specific allowances for credit losses, after credit risk mitigation.



NON-RETAIL AIRB PORTFOLIO - CREDIT QUALITY

(CRARA)						Q2 2017		Basel	III - IFRS				Q1 2017		
(\$MM)						Q2 2017							Q1 2017		
Category external ratings (1)	Internal grades	PD bands ⁽²⁾	Drawn Exposure at Default ⁽³⁾	Undrawn Exposure at Default ⁽³⁾	Other Exposure at Default ⁽³⁾	Total Exposure at Default ⁽³⁾	RWA	Weighted Average PD ⁽⁴⁾⁽⁷⁾	Weighted Average LGD ⁽⁵⁾⁽⁷⁾	Weighted Average RW ⁽⁶⁾⁽⁷⁾	Total Exposure at Default ⁽³⁾	RWA	Weighted Average PD ⁽⁴⁾⁽⁷⁾	Weighted Average LGD ⁽⁵⁾⁽⁷⁾	Weighted Average RW ⁽⁶⁾⁽⁷⁾
			\$	\$	\$	\$	\$	%	%	%	\$	\$	%	%	9
Investment Grade															
Corporate			71,534	57,674	38,636	167,844	47,949	0.13	41	29	149,355	43,755	0.13	41	29
	99	0.00% - 0.05%	381	474	675	1,530	128	0.03	44	8	1,392	136	0.03	44	10
AAA to AA+	98	0.00% - 0.05%	88	2,167	212	2,467	205	0.05	34	8	1,002	108	0.05	34	11
AA to A-	95	0.05% - 0.13%	7,730	6,100	7,255	21,085	3,421	0.06	40	16	17,902	3,308	0.06	39	18
AA to A-	90	0.06% - 0.15%	14,479	14,054	10,176	38,709	6,551	0.07	37	17	32,552	5,841	0.07	37	18
BBB+ to BBB	87	0.10% - 0.24%	14,417	11,313	8,199	33,929	8,505	0.10	40	25	32,027	7,979	0.10	40	25
BBB+ to BBB	85	0.14% - 0.34%	15,685	14,100	7,288	37,073	13,416	0.16	44	36	33,072	12,072	0.16	44	37
BBB-	83	0.20% - 0.47%	18,754	9,466	4,831	33,051	15,723	0.25	45	48	31,408	14,311	0.25	45	46
Bank			19,268	3,646	20,094	43,008	8,025	0.11	36	19	37,160	7,363	0.11	37	20
	99	0.00% - 0.05%	56	3	-	59	3	0.03	43	5	505	26	0.03	31	5
AAA to AA+	98	0.00% - 0.05%	1,208	747	139	2,094	292	0.05	30	14	2,578	341	0.05	30	13
AA to A-	95	0.05% - 0.13%	7,318	955	5,661	13,934	2,353	0.06	42	17	11,313	2,134	0.06	45	19
AA to A-	90	0.06% - 0.15%	5,142	1,027	7,604	13,773	1,924	0.08	33	14	11,672	1,773	0.09	34	15
BBB+ to BBB	87	0.10% - 0.24%	1,676	230	2,156	4,062	912	0.14	36	22	4,739	1,120	0.15	35	24
BBB+ to BBB	85	0.14% - 0.34%	2,327	365	2,125	4,817	1,388	0.23	33	29	3,248	1,073	0.27	35	33
BBB-	83	0.20% - 0.47%	1,541	319	2,409	4,269	1,153	0.25	32	27	3,105	896	0.25	32	29
Sovereign			79,365	896	5,443	85,704	2,747	0.04	16	3	89,306	2,877	0.04	16	3
	99	0.00% - 0.05%	53,262	140	3,270	56,672	-	-	15	-	59,887	-	-	15	
AAA to AA+	98	0.00% - 0.05%	2,454	39	701	3,194	202	0.05	15	6	4,192	272	0.05	14	6
AA to A-	95	0.05% - 0.13%	14,673	428	800	15,901	1,093	0.07	16	7	15,759	1,087	0.07	16	7
AA to A-	90	0.06% - 0.15%	1,029	74	171	1,274	70	0.09	18	5	843	60	0.08	17	7
BBB+ to BBB	87	0.10% - 0.24%	5,503	1	483	5,987	648	0.24	16	11	5,114	396	0.24	15	8
BBB+ to BBB	85	0.14% - 0.34%	1,823	187	18	2,028	516	0.34	25	25	2,931	849	0.34	28	29
BBB-	83	0.20% - 0.47%	621	27	-	648	218	0.47	30	34	580	213	0.47	33	37
Sub-Total			170,167	62,216	64,173	296,556	58,721	0.10	33	20	275,821	53,995	0.10	32	20
Non-Investment Grade															
<u>Corporate</u>			55,793	16,900	10,920	83,613	55,378	0.65	45	66	84,059	55,568	0.66	45	66
BB+	80	0.31% - 0.52%	23,220	8,902	3,240	35,362	20,240	0.36	47	57	34,026	19,433	0.36	46	57
BB	77	0.48% - 0.58%	15,558	3,494	1,483	20,535	13,341	0.51	45	65	20,839	13,637	0.51	46	65
BB-	75	0.58% - 0.74%	10,230	2,590	4,746	17,566	12,311	0.74	45	70	18,621	12,647	0.74	45	68
B+	73	0.74% - 1.42%	4,482	1,387	1,248	7,117	6,186	1.42	41	87	7,613	6,754	1.42	42	89
B to B-	70	1.42% - 2.72%	2,303	527	203	3,033	3,300	2.72	42	109	2,960	3,097	2.72	41	105
Bank			2,203	136	448	2,787	1,451	0.61	37	52	2,441	1,308	0.60	38	54
BB+	80	0.31% - 0.52%	758	14	218	990	482	0.48	40	49	973	498	0.49	41	51
BB	77	0.48% - 0.58%	1,206	61	167	1,434	718	0.58	35	50	1,216	613	0.58	37	50
BB-	75	0.58% - 0.74%	171	59	60	290	193	0.74	38	67	187	139	0.74	39	74
B+	73	0.74% - 1.42%	11	-	3	14	10	1.42	31	72	13	8	1.42	30	63
B to B-	70	1.42% - 2.72%	57	2	-	59	48	2.72	32	80	52	50	2.72	38	98
<u>Sovereign</u>			3,418	34	1	3,453	665	1.63	20	19	4,174	1,048	1.82	20	25
BB+	80	0.31% - 0.52%	619	3	-	622	104	0.52	17	17	592	91	0.52	17	15
BB	77	0.48% - 0.58%	914	1	1	916	142	0.58	12	15	951	160	0.58	13	17
BB-	75	0.58% - 0.74%	195	27	-	222	21	0.74	33	9	224	23	0.74	33	10
B+	73	0.74% - 1.42%	-	-	_	-		-	-	-		-		-	
B to B-	70	1.42% - 2.72%	1,690	3	-	1,693	398	2.72	24	24	2,407	774	2.72	23	32
Sub-Total			61,414	17,070	11,369	89.853	57.494	0.69	44	64	90.674	57,924	0.71	44	64

⁽¹⁾ The cross references of the Bank's internal borrower grades (IG) with equivalent rating categories utilized by external rating agencies are outlined on page 205 of the Bank's 2016 Annual Report.

⁽²⁾ PD ranges overlap across IG codes as the Bank utilizes two risk rating systems for its AIRB portfolios and each risk rating system has its own separate IG to PD mapping.

⁽³⁾ Amounts are before credit risk mitigation (excludes government guaranteed residential mortgages), and includes all non-retail exposures except securitization, equity and other assets.

⁽⁴⁾ PD - Probability of Default, see glossary for details.

⁽⁵⁾ LGD - Loss Given Default including certain conservative factors as per Basel accord, see glossary for details.

⁽⁶⁾ RW - risk weight.

⁽⁷⁾ Exposure at default (EAD) used as basis for estimated weightings, see glossary for details.

RISK ASSESSMENT OF CREDIT RISK EXPOSURES - NON-RETAIL AIRB PORTFOLIO (CONTINUED)



NON-RETAIL AIRB PORTFOLIO - CREDIT QUALITY

								В	asel III - IFRS						
(\$MM)						Q2 20°	17						Q1 2017		
Category external ratings ⁽¹⁾	Internal grades	PD bands ⁽²⁾	Drawn Exposure at Default ⁽³⁾	Undrawn Exposure at Default ⁽³⁾	Other Exposure at Default ⁽³⁾	Total Exposure at Default ⁽³⁾	RWA	Weighted Average PD ⁽⁴⁾⁽⁷⁾	Weighted Average LGD ⁽⁵⁾⁽⁷⁾	Weighted Average RW ⁽⁶⁾⁽⁷⁾	Total Exposure at Default ⁽³⁾	RWA	Weighted Average PD ⁽⁴⁾⁽⁷⁾	Weighted Average LGD ⁽⁵⁾⁽⁷⁾	Weighted Average RW ⁽⁶⁾⁽⁷⁾
Watch List (CCC+ to CC)			\$	\$	\$	\$	\$	%	%	%	\$	\$	%	%	%
Corporate	65 - 30	2.72% - 59.98%	2,697	1,246	539	4,482	8,729	22.34	40	195	4,766	9,233	22.07	40	194
Bank	65 - 30	2.72% - 59.98%	26	3	32	61	106	18.83	37	171	17	37	24.68	41	205
Sovereign	65 - 30	2.72% - 59.98%	1,074	1		1,075	615	9.99	22	57	167	123	15.83	38	73
Sub-Total			3,797	1,250	571	5,618	9,450	19.94	37	168	4,950	9,393	21.87	40	190
Default ⁽⁸⁾															
Corporate	27-21	100%	1,432	602	248	2,282	8,199	100.00	43	359	2,033	6,115	100.00	42	301
Bank	27-21	100%	2	-	-	2	-	100.00	39	0	2	-	100.00	39	0
Sovereign	27-21	100%	-	6	-	6	-	100.00	3	-	10	18	100.00	16	179
Sub-Total			1,434	608	248	2,290	8,199	100.00	43	358	2,045	6,133	100.00	42	300
Total		I	236,812	81,144	76,361	394,317	133,864	1.10	36	34	373,490	127,445	1.08	35	34

⁽¹⁾ The cross references of the Bank's internal borrower grades (IG) with equivalent rating categories utilized by external rating agencies are outlined on page 205 of the Bank's 2016 Annual Report.

NON-RETAIL AIRB PORTFOLIO - CREDIT COMMITMENTS

		Basel	III - IFRS	
(\$MM)	C	2 2017	Q1	2017
Exposure Type ⁽¹⁾	Notional Undrawn	Weighted Average EAD	Notional Undrawn	Weighted Average EAD
	\$	%	\$	%
Corporate	141,828	52	130,292	52
Bank	6,231	58	3,160	55
Sovereign	1,539	56	1,363	57
Total	149,598	53	134,815	52

⁽¹⁾ Excludes unconditionally cancellable commitments.

⁽²⁾ PD ranges overlap across IG codes as the Bank utilizes two risk rating systems for its AIRB portfolios and each risk rating system has its own separate IG to PD mapping.

⁽³⁾ Amounts are before credit risk mitigation (excludes government guaranteed residential mortgages), and includes all non-retail exposures except securitization, equity and other assets.

⁽⁴⁾ PD - Probability of Default, see glossary for details.

⁽⁵⁾ LGD - Loss Given Default including certain conservative factors as per Basel accord, see glossary for details.

⁽⁶⁾ RW - risk weight.

⁽⁷⁾ Exposure at default (EAD) used as basis for estimated weightings, see glossary for details.

⁽⁸⁾ EAD for defaulted exposures before related specific provisions and write-offs.



RETAIL AIRB PORTFOLIO EXPOSURES - CREDIT QUALITY (1)

(\$MM)						Basel III - IFRS				
	-					Q2 2017 Exposure	·	·		
Category of PD Grades	PD Range	EAD ⁽²⁾	Notional of undrawn commitments	Exposure weighted- average EAD ⁽³⁾	Exposure weighted- average PD	weighted- average	Exposure weighted- average RW	RWA	EL	EL adjusted average risk weight ⁽⁴⁾
		\$	\$	%	%	LGD ⁽⁷⁾	%	\$	\$	%
Residential Real Estate Secured ⁽⁵⁾			·					•		
Insured Drawn and Undrawn ⁽⁶⁾										
Exceptionally Low	0.01% to 0.04%	98,379	-	100.00	0.00	23	_	1	-	
Very Low	0.05% to 0.19%	1,897	2	99.93	0.05	21	3	57	-	3
Low	0.20% to 0.99%	2,894		105.93	0.35	20	12	352	2	13
Medium Low	1.00% to 2.99%	-	-	102.85	2.02	21	41	-	-	47
Medium	3.00% to 9.99%	-	-	102.71	4.96	22	72	-	-	85
High	10.00% to 19.99%	1	-	102.85	13.70	21	107	1	-	143
Extremely High	20.00% to 99.99%	-	-	-	-	-	-	-	-	-
Default	100%	19		100.00	100.00	71	-		14	887
Sub-total		103,190	2	100.16	0.03	23	0	411	16	1
Uninsured Undrawn										
Exceptionally Low	0.00% to 0.04%	-	-	-	-	-	-	-	-	-
Very Low	0.05% to 0.19%	14,046	36,108	19.45	0.08	22	4	606	2	5
Low	0.20% to 0.99%	468	1,036	22.60	0.62	29	26	123	1	29
Medium Low	1.00% to 2.99%	101	198	25.35	2.02	33	66	66	1	74
Medium	3.00% to 9.99%	21	42	24.34	4.96	24	79	16	-	94
High	10.00% to 19.99%	10	16	30.85	13.70	25	125	12	-	167
Extremely High	20.00% to 99.99%	2	1	108.10	38.06	26	141	3	-	266
Default	100%	44.640	27.404	100.00	- 0.40		-	- 000		-
Sub-total		14,648	37,401	19.62	0.13	23	6	826	4	6
Uninsured Drawn	0.000/ 1.00.40/								_	
Exceptionally Low	0.00% to 0.04%	3,933	-	100.00	0.05	27	4	142	1	4
Very Low	0.05% to 0.19%	45,679	-	100.00	0.07	20	4	1,770	7	4
Low	0.20% to 0.99%	52,321	-	100.00	0.52	22	17	8,994	62	19
Medium Low	1.00% to 2.99%	5,660	-	100.00	2.50	24	53	3,023	34	61
Medium High	3.00% to 9.99% 10.00% to 19.99%	739 376	-	100.00 100.00	6.21 13.74	22 22	80 111	588 416	10 11	96 148
Extremely High	20.00% to 19.99%	228	-	100.00	13.74 34.95	22	111	248	11	148
Default	20.00% to 99.99%	244		100.00	100.00	63	109	240	154	788
Sub-total	100%	109,180		100.00	0.80	22	14	15,181	295	17
Qualifying Revolving Retail Exposures (QRRE)		,					**	,		
Exceptionally Low	0.00% to 0.04%	11,692	16,489	34.31	0.05	77	2	282	4	3
Very Low	0.05% to 0.19%	8,207	10,843	36.50	0.17	68	7	534	10	8
Low	0.20% to 0.99%	11,288	8,235	52.73	0.49	78	16	1,841	42	21
Medium Low	1.00% to 2.99%	5,777	1,183	81.31	1.40	87	43	2,507	71	59
Medium	3.00% to 9.99%	5,306	943	84.73	5.57	86	109	5,789	256	169
High	10.00% to 19.99%	-		_	-			-		-
Extremely High	20.00% to 99.99%	731	15	101.23	35.62	82	214	1,562	211	575
Default	100%	183		100.00	100.00	88	-	-	161	1,105
Sub-total Sub-total		43,184	37,708	53.43	2.07	78	29	12,515	755	51
Other Retail										
Exceptionally Low	0.00% to 0.04%	577	772	35.43	0.05	74	10	59	-	11
Very Low	0.05% to 0.19%	6,772	3	99.95	0.10	50	13	852	3	13
Low	0.20% to 0.99%	14,381	546	96.26	0.51	56	39	5,633	41	43
Medium Low	1.00% to 2.99%	4,387	13	99.67	1.74	65	80	3,528	50	95
Medium	3.00% to 9.99%	2,299	-	99.98	5.39	63	94	2,165	78	136
High	10.00% to 19.99%	520	-	100.00	19.74	57	127	659	59	268
Extremely High	20.00% to 99.99%	386	-	100.00	41.54	57	150	580	92	450
Default	100%	223	-	100.00	100.00	92	-	-	205	1,147
Sub-total		29,545	1,334	96.86	2.59	57	46	13,476	528	68
Total Retail										
Exceptionally Low	0.01% to 0.04%	114,581	17,261	92.97	0.01	29	0	484	5	0
Very Low	0.05% to 0.19%	76,601	46,956	78.42	0.09	28	5	3,819	22	5
Low	0.20% to 0.99%	81,352	9,817	92.54	0.51	36	21	16,943	148	23
Medium Low	1.00% to 2.99%	15,925	1,394	92.66	1.89	58	57	9,124	156	69
Medium	3.00% to 9.99%	8,365	985	90.12	5.58	74	102	8,558	344	154
High	10.00% to 19.99%	907	16	99.26	17.18	42	120	1,088	70	217
Extremely High	20.00% to 99.99%	1,347	16	100.68	37.20	64	178	2,393	319	474
Default Total	100%	299,747	76,445	100.00 89.11	100.00 0.86	80 34	14	42,409	534 1,598	997 21

- (1) Represents retail exposures under the AIRB Approach which are domiciled in Canada.
- (2) Amounts are before allowance for credit losses and before credit risk mitigation.
- (3) EAD rate represents combined drawn and undrawn exposure for a facility.

 (4) EL adjusted average risk weight is calculated as (RWA + 12.5 X EL) / EAD.

 (5) Includes Canadian residential mortgages and home equity lines of credit.

 (6) The Bank uses the PD Substitution approach to reflect default insurance.

- (b) The Dalis See the P D Good and the P



RETAIL AIRB PORTFOLIO EXPOSURES - CREDIT QUALITY (1)

(\$MM)						Basel III - IFRS				
	<u> </u>					Q1 2017				
Category of PD Grades	PD Range	EAD ⁽²⁾	Notional of undrawn commitments	Exposure weighted- average EAD ⁽³⁾	Exposure weighted- average PD	Exposure weighted- average LGD ⁽⁷⁾	Exposure weighted- average RW	RWA	EL	EL adjusted average risk weight ⁽⁴⁾
	-	\$	\$	%	%	%	%	\$	\$	%
Residential Real Estate Secured ⁽⁵⁾										
Insured Drawn and Undrawn ⁽⁶⁾										
Exceptionally Low	0.01% to 0.04%	101,030	-	100.00	0.00	23	-	1	-	-
Very Low	0.05% to 0.19%	1,861	3	99.91	0.05	21	3	56	-	3
Low	0.20% to 0.99%	2,927	-	105.43	0.35	20	12	359	2	13
Medium Low	1.00% to 2.99%	-	-	102.01	2.02	23	46	-	-	52
Medium	3.00% to 9.99%	-	-	-	-	-	-	-	-	-
High	10.00% to 19.99%	1	-	102.85	13.70	21	107	1	-	143
Extremely High	20.00% to 99.99%	-	-	-	-	-	-	-	-	-
Default	100%	21		100.00	100.00	67			14	835
Sub-total		105,840	3	100.14	0.03	23	0	417	16	1
Uninsured Undrawn										
Exceptionally Low	0.00% to 0.04%					-	-	-	-	-
Very Low	0.05% to 0.19%	13,778	35,306	19.51	0.08	22	4	587	2	4
Low	0.20% to 0.99%	413	948	21.76	0.62	27	25	101	1	27
Medium Low Medium	1.00% to 2.99% 3.00% to 9.99%	110 20	211 42	25.97 23.70	2.02 4.96	34 24	66 80	73 16	1	75 95
	10.00% to 19.99%	10	16	23.70 29.96	13.70	24	80 123	12		95 164
High Extremely High	20.00% to 19.99%	3	1	129.75	39.26	27	146	4	-	282
Default	20.00% to 99.99%	3		100.00	39.26	21	140	-	-	202
Sub-total	10076	14,334	36,524	19.66	0.13	22	6	793	4	6
		,								
Uninsured Drawn Exceptionally Low	0.00% to 0.04%	4,117	-	100.00	0.05	27	4	148	1	4
Very Low	0.05% to 0.19%	43,462	-	100.00	0.07	20	4	1,671	7	4
Low	0.20% to 0.99%	50,098	_	100.00	0.53	21	17	8,443	58	18
Medium Low	1.00% to 2.99%	5,072	_	100.00	2.49	23	50	2,529	28	57
Medium	3.00% to 9.99%	799	-	100.00	6.27	22	78	624	11	95
High	10.00% to 19.99%	416	-	100.00	13.75	21	109	452	12	145
Extremely High	20.00% to 99.99%	334	-	100.00	34.99	20	111	370	24	199
Default	100%	256		100.00	100.00	61			155	758
Sub-total		104,554	-	100.00	0.87	21	14	14,237	296	17
Qualifying Revolving Retail Exposures (QRRE)										
Exceptionally Low	0.00% to 0.04%	11,336	16,040	34.26	0.05	77	2	275	4	3
Very Low	0.05% to 0.19%	8,125	10,732	36.54	0.17	68	7	530	10	8
Low	0.20% to 0.99%	11,033	8,105	52.55	0.49	79	16	1,792	41	21
Medium Low	1.00% to 2.99%	5,790	1,219	80.93	1.40	87	44	2,520	71	59
Medium	3.00% to 9.99%	5,347	933	84.94	5.63	86	110	5,889	261	171
High	10.00% to 19.99%					-				-
Extremely High Default	20.00% to 99.99%	825	18	100.93	36.96	82	214	1,762	248	590
Sub-total	100%	213 42,669	37,047	100.00 53.73	100.00 2.28	89 79	30	12,768	190 825	1,111 54
		12,000	0.,01.	00.70	2.20		•	.2,. 00	020	•
Other Retail Exceptionally Low	0.00% to 0.04%	568	771	35.11	0.05	74	10	58		11
Very Low	0.05% to 0.19%	6,585	2	99.95	0.10	50	13	828	3	13
Low	0.20% to 0.99%	13,844	516	96.29	0.51	56	39	5,434	40	43
Medium Low	1.00% to 2.99%	4,510	14	99.65	1.74	65	80	3,611	51	94
Medium	3.00% to 9.99%	2,454	1	99.98	5.38	63	94	2,318	83	137
High	10.00% to 19.99%	536	-	100.00	19.74	57	127	680	61	268
Extremely High	20.00% to 99.99%	457	-	100.00	41.92	57	150	685	110	453
Default	100%	240		100.00	100.00	92			220	1,145
Sub-total		29,194	1,304	96.91	2.83	57	47	13,614	568	71
Total Retail										
Exceptionally Low	0.01% to 0.04%	117,051	16,811	93.32	0.01	29	0	482	5	0
Very Low	0.05% to 0.19%	73,811	46,043	77.98	0.09	28	5	3,672	22	5
Low	0.20% to 0.99%	78,315	9,569	92.45	0.51	36	21	16,129	142	23
Medium Low	1.00% to 2.99%	15,482	1,444	92.24	1.86	59	56	8,733	151	69
Medium	3.00% to 9.99%	8,620	976	90.47	5.61	74	103	8,847	355	154
High	10.00% to 19.99%	963	16	99.29	17.09	41	119	1,145	73	214
Extremely High	20.00% to 99.99%	1,619	19	100.52	37.96	62	174	2,821	382	470
Default Total	100%	730 296,591	74,878	100.00 89.21	100.00 0.93	79 34	14	41,829	579 1,709	990 21

- (1) Represents retail exposures under the AIRB Approach which are domiciled in Canada.
- (2) Amounts are before allowance for credit losses and before credit risk mitigation.
- (3) EAD rate represents combined drawn and undrawn exposure for a facility.

 (4) EL adjusted average risk weight is calculated as (RWA + 12.5 X EL) / EAD.

 (5) Includes Canadian residential mortgages and home equity lines of credit.

 (6) The Bank uses the PD Substitution approach to reflect default insurance.
- (7) Effective November 1, 2016, new exposures secured by residential real estate located in Canada are subject to a downturn LGD (DLGD) floor equivalent to the sum of the segment's long-run default-weighted average LGD and an add-on. The Bank implemented DLGD floor in Q1, 2017.



					Basel III	- IFRS				
	Q2 20	17	Q1 20	17	Q4 20	16	Q3 20°	16	Q2 20°	16
Exposure Type	Actual Loss	Expected								
	Rate	Loss Rate								
	%	%	%	%	%	%	%	%	%	%
Non-Retail ⁽¹⁾										
Corporate	0.14	0.78	0.22	0.67	0.25	0.80	0.24	0.80	0.20	0.95
Sovereign	-	0.02	-	0.04	-	0.02	-	0.02	-	0.03
Bank	-	0.10	-	0.11	-	0.09	-	0.09	-	0.12
Retail ⁽²⁾										
Real Estate Secured	0.01	0.11	0.01	0.13	0.01	0.12	0.01	0.12	0.01	0.15
QRRE	2.62	4.23	2.36	4.29	2.21	4.37	2.55	4.37	2.46	4.49
Other Retail	0.62	1.86	0.59	1.86	0.60	1.72	0.59	1.72	0.65	1.78

⁽¹⁾ Non-retail actual loss rates represent the credit losses net of recoveries for the current and prior three quarters divided by the 5-point average of outstanding loan balances for the same four-quarter period beginning 12 months ago. Expected loss rates represent the expected losses that were predicted at the beginning of the four-quarter period divided by outstanding loan balances at the beginning of the four-quarter period.

⁽²⁾ Retail actual loss rates represent write-offs net of recoveries for the current and prior three quarters divided by the 5-point average of outstanding loan balances for the same four-quarter period beginning 12 months ago. Expected loss rates represent the expected losses that were predicted at the beginning of the four-quarter period divided by outstanding loan balances at the beginning of the four-quarter period.



			Q2 2	017 ⁽¹⁾					Q1	2017 ⁽¹⁾		
	Average estimated	Actual	Average estimated		Average estimated	(n)	Average estimated	Actual	Average estimated		Average estimated	(2)
	PD		LGD	Actual LGD		Actual CCF ⁽²⁾		default rate	LGD	Actual LGD	CCF ⁽²⁾	
	%	%	%	%	%	%	%	%	%	%	%	%
Non-Retail	0.88	0.57	51.30	23.02	51.28	17.58	0.87	0.64	41.29	25.34	49.92	17.79

⁽¹⁾ Reporting is on a one quarter lag basis. For reporting as of Q2/17, estimated parameters are based on portfolio averages at Q1/16 whereas actual parameters are based on averages of realized parameters during the subsequent four quarters (Q2/16 – Q1/17).

⁽²⁾ EAD back-testing is performed through Credit Conversion Factor (CCF) back-testing, as EAD is computed using the sum of the drawn exposure and the committed undrawn exposure multiplied by the estimated CCF.

		Four-	quarter period	ending Q2 2	017 ⁽¹⁾			Four	-quarter perio	od ending Q1 2	2017 ⁽¹⁾	
	Average	Actual	Average				Average	Actual	Average			
	estimated	default	estimated	Actual	Estimated	Actual	estimated	default	estimated	Actual	Estimated	
	PD ⁽²⁾⁽⁷⁾	rate ⁽²⁾⁽⁵⁾	LGD ⁽³⁾⁽⁷⁾	LGD ⁽³⁾⁽⁶⁾	EAD ⁽⁴⁾⁽⁷⁾	EAD ⁽⁴⁾⁽⁵⁾	$PD^{(2)(7)}$	rate ⁽²⁾⁽⁵⁾	LGD ⁽³⁾⁽⁷⁾	LGD ⁽³⁾⁽⁶⁾	EAD ⁽⁴⁾⁽⁷⁾ Ac	tual EAD ⁽⁴⁾⁽⁵⁾
(\$MM)	%	%	%	%	\$	\$	%	%	%	%	\$	\$
Residential real estate secured												
Residential mortgages												
Insured mortgages ⁽⁸⁾	0.82	0.73	-	-	-	-	1.03	0.73	-	-	-	-
Uninsured mortgages	0.45	0.42	18.19	10.53	-	-	0.61	0.42	19.37	11.52	-	-
Secured lines of credit	0.77	0.30	28.91	16.15	99	86	0.79	0.27	29.36	18.72	93	82
Qualifying revolving retail exposures	2.09	1.95	77.44	63.02	744	647	2.08	1.86	77.54	64.07	705	615
Other retail	2.16	1.35	58.41	46.08	6	6	2.01	1.34	58.55	46.64	6	6

⁽¹⁾ Estimates and Actual Values are recalculated to align with new models implemented during the period.

⁽²⁾ Account weighted aggregation.

⁽³⁾ Default weighted aggregation.

⁽⁴⁾ EAD is estimated for revolving products only.

⁽⁵⁾ Actual based on accounts not at default as at four quarters prior to reporting date.

⁽⁶⁾ Actual LGD calculated based on 24 month recovery period after default and therefore excludes any recoveries received after the 24 month period.

⁽⁷⁾ Estimates are based on the four quarters prior to the reporting date.

⁽⁸⁾ Actual and Estimated LGD for insured mortgages are not shown. Actual LGD includes the insurance benefit, whereas estimated LGD may not.

CREDIT RISK MITIGATION



EXPOSURE AT DEFAULT (1)

							Ва	sel III - IFRS							
(\$MM)		Q2 2017			Q1 2017			Q4 2016			Q3 2016			Q2 2016	
F	Financial Collateral	Guarantees / Derivativ		Financial Collateral	Guarantees / Derivativ		Financial Collateral	Guarantees Derivati		Financial Collateral	Guarantees Derivati		Financial Collateral	Guarantees Derivati	
Exposure type	Standardized Approach	Standardized Approach	AIRB Approach	Standardized Approach	Standardized Approach	AIRB Approach	Standardized Approach	Standardized Approach	AIRB Approach	Standardized Approach	Standardized Approach	AIRB Approach	Standardized Approach	Standardized Approach	AIRB Approach
Non-Retail															
Corporate	580	1,840	19,210	472	1,559	18,722	527	1,509	17,919	643	1,362	15,298	577	1,259	14,790
Bank	-	-	8,703	-	-	9,428	-	-	9,727	-	-	9,563	-	-	8,496
Sovereign	-	-	6,124	-	86	7,272	-	95	7,701	-	92	6,904	-	89	7,660
Total Non-Retail	580	1,840	34,037	472	1,645	35,422	527	1,604	35,347	643	1,454	31,765	577	1,348	30,946
Retail Residential Mortgages ⁽²⁾ Secured Lines of Credit	-	3,522	98,354	-	3,165	101,005	-	2,945	102,514	-	2,396	105,718	-	2,450	109,234
Qualifying Revolving Retail Exposures (QRRE)															
Other Retail	637	1,067	-	613	1,071	-	637	1,105	-	717	1,206	-	692	933	-
Total Retail	637	4,589	98,354	613	4,236	101,005	637	4,050	102,514	717	3,602	105,718	692	3,383	109,234
Total	1,217	6,429	132,391	1,085	5,881	136,427	1,164	5,654	137,861	1,360	5,056	137,483	1,269	4,731	140,180

⁽¹⁾ Includes drawn, undrawn and other off-balance sheet exposures (e.g., letters of credit and letters of guarantee) covered by eligible collateral and guarantees.

⁽²⁾ Primarily includes insured drawn Canadian residential mortgages (e.g. CMHC insured mortgages).



								Basel III -	IFRS							
(\$MM)		Q2 201	17			Q1 20	17			Q4 2	016			Q3 2	016	
Contract Types	Notional Amount	Credit Risk Amount	Credit Risk Equivalent Amount	Risk-weighted Amount ⁽³⁾	Notional Amount	Credit Risk Amount	Credit Risk Equivalent Amount	Risk-weighted Amount ⁽³⁾	Notional Amount	Credit Risk Amount	Credit Risk Equivalent Amount	Risk-weighted Amount ⁽³⁾	Notional Amount	Credit Risk Amount	Credit Risk Equivalent Amount	Risk-weighted Amount ⁽³⁾
Interest Rate Contracts:																
Futures and Forward Rate Agreements	476.404	17	251	14	332.808	35	204	25	422,104	9	100	17	517.818	7	93	19
Swaps	2,343,203	840	6,046	1,626	2,230,451	755	5,938	1,774	2,294,534	2,703	7,331	2,125	2,404,362	3,539	7,933	2,321
Options Purchased	40,690	44	161	77	47,480	5	103	51	50,830	6	107	52	58,697	-	106	59
Options Written	43,454	11	14	3	39,102	-	95	21	40,147	-	1	-	50,236	-	-	-
Total	2,903,751	912	6,472	1,720	2,649,841	795	6,340	1,871	2,807,615	2,718	7,539	2,194	3,031,113	3,546	8,132	2,399
Foreign Exchange Contracts:																
Futures and Forwards	461,815	3,529	5,124	1,375	444,052	2,642	5,051	1,303	485,153	2,057	5,458	1,342	484,425	2,177	6,917	1,564
Swaps	377,982	4,298	7,359	1,881	360,893	3,735	6,693	1,821	354,604	2,532	5,976	1,594	341,829	2,448	4,967	1,359
Options Purchased	26,363	565	554	226	21,701	446	507	233	16,616	322	532	129	20,451	18	560	134
Options Written	26,732	-	77	38	21,607	-	44	20	16,245	-	127	19	20,173	-	114	16
Total	892,892	8,392	13,114	3,520	848,253	6,823	12,295	3,377	872,618	4,911	12,093	3,084	866,878	4,643	12,558	3,073
Other Derivatives Contracts:																
Equity	100,502	431	4,966	1,740	105,035	12	5,043	1,670	87,908	871	5,308	1,677	77,185	792	4,539	1,556
Credit	42,705	90	1,205	196	43,928	11	1,975	496	49,058	32	2,032	340	46,779	6	2,080	388
Other	118,764	696	11,342	905	111,153	23	7,163	1,259	78,753	1,109	6,493	645	76,838	1,292	5,790	739
Total	261,971	1,217	17,513	2,841	260,116	46	14,181	3,425	215,719	2,012	13,833	2,662	200,802	2,090	12,409	2,683
Credit Valuation Adjustment ⁽²⁾⁽³⁾				3,923				4,769				4,165				4,749
Total Derivatives after Netting and Collateral	4,058,614	10,521	37,099	12,004	3,758,210	7,664	32,816	13,442	3,895,952	9,641	33,465	12,105	4,098,793	10,279	33,099	12,904

				Basel III - IF	RS			
	Q2 2016		Q1 2016		Q4 2015		Q3 2015	
Contract Types	Notional Amount	Risk-weighted Amount						
Interest Rate Contracts:								
Futures and Forward Rate Agreements	707,435	12	936,412	52	997,269	45	1,467,044	81
Swaps	2,442,636	1,913	2,850,581	2,083	2,815,412	1,871	3,195,869	1,606
Options Purchased	67,398	62	69,257	150	61,404	138	37,430	124
Options Written Total	59,001 3,276,470	1,987	62,841 3,919,091	2,285	61,655 3,935,740	2,054	38,674 4,739,017	1,811
lotai	3,270,470	1,507	3,919,091	2,203	3,933,740	2,034	4,739,017	1,011
Foreign Exchange Contracts:								
Futures and Forwards	477,938	1,949	543,686	2,055	458,256	1,865	457,246	2,204
Swaps	334,784	1,434	364,107	2,545	338,328	2,214	322,576	1,947
Options Purchased	9,244	129	5,766	126	5,633	98	5,353	93
Options Written	8,850	3	4,920	-	4,884	-	4,664	-
Total	830,816	3,515	918,479	4,726	807,101	4,177	789,839	4,244
Other Derivatives Contracts:								
Equity	63,384	1,618	64,934	2,201	62,549	2,049	70,993	2,202
Credit	49,220	505	60,447	611	63,933	608	62,297	806
Other	80,213	809	86,902	1,930	149,806	1,945	132,744	1,827
Total	192,817	2,932	212,283	4,742	276,288	4,602	266,034	4,835
Total Derivatives	4,300,103	8,434	5,049,853	11,753	5,019,129	10,833	5,794,890	10,890
Credit Valuation Adjustment ⁽²⁾		4,778		8,305		7,183		7,282
Risk-weighted Amount		13,212		20,058		18,016		18,172

⁽¹⁾ The impact of Master Netting Agreements and Collateral has been incorporated within the various contracts. As a result, risk-weighted amounts are reported net of impact of collateral and master netting arrangements.

⁽²⁾ As per OSFI guideline, Credit Valuation Adjustment RWA on derivatives was phased-in 2014. Starting Q1, 2017 the CVA risk-weighted assets have been calculated using the scalars of 0.72, 0.77 and 0.81, to compute the CET1 capital ratio, Tier 1 capital ratio and Total capital ratio, respectively.

⁽³⁾ As of Q2 2016, the bank implemented the Internal Modelling Method for determination of Counterparty Credit Risk and Credit Valuation Adjustment RWA.



										Basel III	- IFRS							
(\$MM)				Q2 2	:017			Q	1 2017			Q4 :	2016			Q3	2016	
	External			osure at Defau	t ⁽²⁾	Risk-	Expo	sure at Defau	lt ⁽²⁾	Risk-	Expo	sure at Defau	lt ⁽²⁾	Risk-	Expo	sure at Defau	lt ⁽²⁾	Risk-
Risk Category	Rating (S&P)	Risk-Weight %	On- Balance Sheet	Off- Balance Sheet	Total	Weighted Assets	On- Balance Sheet	Off- Balance Sheet	Total	Weighted Assets	On- Balance Sheet	Off- Balance Sheet	Total		On- Balance Sheet	Off- Balance Sheet	Total	Weighted Assets
Securitization																		
Investment Grade	AAA to A	7 - 25	10,423	14,132	24,555	2,225	9,999	13,363	23,362	2,074	10,176	14,602	24,778	2,081	10,183	14,600	24,783	2,090
arrodanioni Grado	A- to BBB- (3)	35 - 100	134	4	138	114	142	4	146	117	136	12	148	119	169	10	179	151
Non-Investment Grade	BB+ to BB- Below BB-	150 - 650 1250	13	-	13	57	-	-	-	-	-	-	-	-	3	-	3	8
			10,570	14,136	24,706	2,396	10,141	13,367	23,508	2,191	10,312	14,614	24,926	2,200	10,355	14,610	24,965	2,249
Resecuritization																		
Investment Grade	AAA to A	20 - 65	-	-	-	-	-	-	-	-	-	-	-	-	-	38	38	25
anvectment ended	A- to BBB-	100 - 350	62	2	64 -	128	61	-	61 -	122	79	-	79 -	158	69	-	69	151
Non-Investment Grade	BB+ to BB-	500 - 850	-	-	-	-	-	-	-	-	-	-	-	-	18	-	18	119
Non-investment Grade	Below BB-	1250	15	-	15	193	20	-	20	248	20	-	20	255	20	-	20	249
			77	2	79	321	81	-	81	370	99	-	99	413	107	38	145	544
Total			10,647	14,138	24,785	2,717	10,222	13,367	23,589	2,561	10,411	14,614	25,025	2,613	10,462	14,648	25,110	2,793

								Basel III -	- IFRS							
(\$MM)		Q2 2	017			Q	1 2017			Q4	2016			Q3	2016	
	Exp	osure at Defaul	t ⁽²⁾		Expo	sure at Defau	ult ⁽²⁾		Expo	sure at Defau	ılt ⁽²⁾		Expe	osure at Defa	ılt ⁽²⁾	
Underlying Asset	On- Balance Sheet	Off- Balance Sheet	Total	Exposures at Default (RW=1250%)	On- Balance Sheet	Off- Balance Sheet	Total	Exposures at Default (RW=1250%)	On- Balance Sheet	Off- Balance Sheet	Total	Exposures at Default (RW=1250%)	On- Balance Sheet	Off- Balance Sheet	Total	Exposures at Default (RW=1250%)
Residential Mortgages	-	1,275	1,275	-	468	1,275	1,743	-	510	1,275	1,785	-	461	1,275	1,736	-
Commercial Mortgages Credit cards/Consumer receivables	703	2,720	3,423	-	614	- 2,213	2,827	-	623	2,304	2,927	-	3 765	2,491	3 3,256	-
Auto loans/Leases Diversified asset-backed securities	5,461 125	6,355 38	11,816 163	- 15	4,180 54	6,440 61	10,620 115	20	4,295 136	6,889 34	11,184 170	20	4,242 169	6,824 14	11,066 183	20
Business Loans Trade receivables	3,604	- 3,714	- 7,318	-	- 4,176	12 3,342	12 7,518	-	3,963	22 4,070	22 8,033	-	4,093	32 3,850	32 7,943	-
Other	754	36	790	-	730	24	754	-	884	20	904	-	729	162	891	-
Total	10,647	14,138	24,785	15	10,222	13,367	23,589	20	10,411	14,614	25,025	20	10,462	14,648	25,110	20

⁽¹⁾ Capital charges related to trading book securitization exposures are based upon the Bank's internal market risk models including its comprehensive risk measure.

⁽²⁾ Includes banking book on-balance sheet investments in asset backed securities (ABS), collateralized loan obligations (CLOs), collateralized debt obligations (CDOs), and off-balance sheet liquidity lines and credit enhancements to Bank sponsored and non-bank sponsored ABCP conduits

⁽³⁾ Included in on-balance sheet exposures effective Q3 2016 are investment grade subordinated notes retained by the Bank, issued by Trillium Credit Card Trust II, and backed by bank originated credit card receivables. OSFI's Securitization Framework is applied.

RISK-WEIGHTED ASSETS FOR SECURITIZATION EXPOSURES - BANKING BOOK (1) (CONTINUED)



							Basel III - IFRS											
(\$MM)				Q2 2	016			Q1 2	016			Q4 2	2015			Q3	2015	
Risk Category	External Rating (S&P)	Risk-Weight %	Expo On- Balance Sheet	sure at Defau Off- Balance Sheet	lt ⁽²⁾ Total	Risk- Weighted Assets	Expo On- Balance Sheet	sure at Defau Off- Balance Sheet	lt ⁽²⁾ Total	Risk- Weighted Assets	On - Balance Sheet	osure at Defau Off - Balance Sheet	ılt ⁽²⁾ Total	Risk- Weighted Assets	On - Balance Sheet	osure at Defa Off - Balance Sheet	ult ⁽²⁾ Total	Risk- Weighted Assets
<u>Securitization</u>																		
Investment Grade	AAA to A	7 - 25	9,268	14,271	23,539	1,980	10,231	12,965	23,196	1,961	8,581	12,110	20,691	1,807	8,658	11,842	20,500	1,798
investment Grade	A- to BBB-	35 - 100	69	9	78	75	160	15	175	170	118	13	131	124	149	5	154	143
Non-Investment Grade	BB+ to BB- Below BB-	150 - 650 1250	3	-	3	8 -	3	-	3	8 -	3 28	-	3 28	8 350	3 101	-	3 101	8 1,266
Decembination			9,340	14,280	23,620	2,063	10,394	12,980	23,374	2,139	8,730	12,123	20,853	2,289	8,911	11,847	20,758	3,215
Resecuritization		00 05												0.5				
Investment Grade	AAA to A A- to BBB-	20 - 65 100 - 350	67	38	38 67	25 147	74	38	38 74	25 160	89	38	38 89	25 196	92	56 -	56 92	36 205
Non-Investment Grade	BB+ to BB-	500 - 850	18	-	18	115	20	-	20	128	-	-	-	-	-	-	-	-
Hom invocation orace	Below BB-	1250	19	-	19	238	21	-	21	267	20	-	20	249	20	-	20	249
			104	38	142	525	115	38	153	580	109	38	147	470	112	56	168	490
Total			9,444	14,318	23,762	2,588	10,509	13,018	23,527	2,719	8,839	12,161	21,000	2,759	9,023	11,903	20,926	3,705

		Basel III - IFRS														
(\$MM)	Q2 2016				Q1 2016				Q4 2015							
Underlying Asset	Expo On- Balance Sheet	osure at Defau Off- Balance Sheet	It ⁽²⁾ Total	Exposures at Default (RW=1250%)	Expo On- Balance Sheet	sure at Defau Off- Balance Sheet	lt ⁽²⁾ Total	Exposures at Default (RW=1250%)	Expo On- Balance Sheet	osure at Defaul Off- Balance Sheet	t ⁽²⁾ Total	Exposures at Default (RW=1250%)	Expo On- Balance Sheet	osure at Defaul Off- Balance Sheet	It ⁽²⁾ Total	Exposures at Default (RW=1250%)
Residential Mortgages	415	1.275	1.690	_	487	1,275	1.762	_	187	1,275	1,462	_	266	1.275	1.541	66
Commercial Mortgages	3	-	3	_	3	-	3	_	9	-	9	_	3	-	3	-
Credit cards/Consumer receivables	757	2,835	3,592	-	992	2,631	3,623	-	576	2,658	3,234	-	798	2,436	3,234	-
Auto loans/Leases	3,472	5,931	9,403	-	4,395	3,967	8,362	-	3,914	2,940	6,854	28	4,271	2,782	7,053	49
Diversified asset-backed securities	165	59	224	19	267	71	338	21	211	43	254	20	202	22	224	20
Business Loans	-	46	46	-	-	62	62	-	-	80	80	-	18	100	118	-
Trade receivables	3,633	4,101	7,734	-	3,604	4,934	8,538	-	3,083	5,116	8,199	-	2,614	5,229	7,843	-
Other	999	71	1,070	-	761	78	839	-	859	49	908	-	851	59	910	-
Total	9,444	14,318	23,762	19	10,509	13,018	23,527	21	8,839	12,161	21,000	48	9,023	11,903	20,926	135

⁽¹⁾ Capital charges related to trading book securitization exposures are based upon the Bank's internal market risk models including its comprehensive risk measure. Prior periods have been restated to conform with current presentation.

⁽²⁾ Includes banking book on-balance sheet investments in asset backed securities (ABS), collateralized loan obligations (CLOs), collateralized debt obligations (CDOs), and off-balance sheet liquidity lines and credit enhancements to bank sponsored and non-bank sponsored ABCP conduits.

TOTAL MARKET RISK-WEIGHTED ASSETS



(\$MM)	Q2 2017	Q1 2017	Q4 2016	Q3 2016	Q2 2016
All Bank VaR	1,390	1,498	1,306	1,439	1,792
All Bank stressed VaR	3,201	3,660	2,616	3,542	3,676
Incremental risk charge	3,557	4,361	5,086	5,301	6,714
Comprehensive risk measure ⁽¹⁾	602	708	963	838	1,017
Standardized approach	402	416	600	576	686
Market risk-weighted assets as at end of Quarter	9,152	10,643	10,571	11,696	13,885

⁽¹⁾ The Q2 2017 related capital charge for total comprehensive risk measure including securitization exposures is \$48MM (Q1 2017: \$57MM) broken down as follows: Market Simulation \$14MM (Q1 2017: \$16MM), Default & Migration Risk \$34MM (Q1 2017: \$41MM).

SUMMARY COMPARISON OF ACCOUNTING BASIS vs LEVERAGE RATIO EXPOSURE MEASURE - TRANSITIONAL BASIS



(\$MM)	ltem	Q2 2017	Q1 2017
1	Total consolidated assets as per published financial statements	921,646	886,992
2	Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation	(473)	(442)
3	Adjustment for fiduciary assets recognized on the balance sheet pursuant to the operative accounting framework but excluded from the leverage ratio exposure measure	-	-
4	Adjustments for derivative financial instruments	9,227	8,084
5	Adjustment for securities financing transactions (i.e., repo assets and similar secured lending)	12,849	2,477
6	Adjustment for off balance-sheet items (i.e., credit equivalent amounts of off-balance sheet exposures)	131,681	121,437
7	Other adjustments	(11,811)	(11,749)
8	Leverage Ratio Exposure (transitional basis)	1,063,119	1,006,799

LEVERAGE RATIO FRAMEWORK



(\$MM)	Item ⁽¹⁾	Q2 2017	Q1 2017
	On-balance sheet exposures		
1	On-balance sheet items (excluding derivatives, SFTs and grandfathered securitization exposures but including collateral)	781,890	754,260
2	(Asset amounts deducted in determining Basel III transitional Tier 1 capital)	(11,811)	(11,749)
3	Total on-balance sheet exposures (excluding derivatives and SFTs) (sum of lines 1 and 2)	770,079	742,511
	Derivative exposures		
4	Replacement cost associated with all derivative transactions (i.e. net of eligible cash variation margin)	8,740	7,327
5	Add-on amounts for PFE associated with all derivative transactions	37,727	33,781
6	Gross up for derivatives collateral provided where deducted from the balance sheet assets pursuant to the operative accounting framework	-	-
7	(Deductions of receivables assets for cash variation margin provided in derivative transactions)	(3,592)	(2,037)
8	(Exempted CCP-leg of client cleared trade exposures)	-	-
9	Adjusted effective notional amount of written credit derivatives	11,753	12,398
10	(Adjusted effective notional offsets and add-on deductions for written credit derivatives)	(7,760)	(8,422)
11	Total derivative exposures (sum of lines 4 to 10)	46,868	43,047
	Securities financing transaction exposures		
12	Gross SFT assets recognized for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions	116,373	103,682
13	(Netted amounts of cash payables and cash receivables of gross SFT assets)	(14,731)	(6,355)
14	Counterparty credit risk (CCR) exposure for SFT assets	12,849	2,477
15	Agent transaction exposures	-	-
16	Total securities financing transaction exposures (sum of lines 12 to 15)	114,491	99,804
	Other off-balance sheet exposures		
17	Off-balance sheet exposure at gross notional amount	402,041	375,841
18	(Adjustments for conversion to credit equivalent amounts)	(270,360)	(254,404)
19	Off-balance sheet items (sum of lines 17 and 18)	131,681	121,437
	Capital and Total Exposures - Transitional Basis		
20	Tier 1 capital	48,357	46,415
21	Total Exposures (sum of lines 3, 11, 16 and 19)	1,063,119	1,006,799
	Leverage Ratios - Transitional Basis		
22	Basel III leverage ratio	4.5%	4.6%
	All-in basis (Required by OSFI)		
23	Tier 1 capital – All-in basis	47,048	45,247
24	(Regulatory adjustments)	(12,991)	(12,791)
25	Total Exposures (sum of lines 21 and 24, less the amount reported in line 2) – All-in basis	1,061,939	1,005,757
26	Leverage ratio – All-in basis	4.4%	4.5%

⁽¹⁾ On-balance sheet items excludes securities purchased under resale agreements and securities borrowed (\$101,643MM), derivative financial instruments (\$37,641MM), assets outside the regulatory scope of consolidation (\$473MM).

LEVERAGE RATIO FRAMEWORK - DESCRIPTION OF LINE ITEMS



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Row Number	Explanation
1	On-balance sheet assets (excluding derivatives, Securities Financing Transactions (SFTs) and grandfathered securitization exposures but including collateral) according to paragraphs 14 and 17 to 20 of the Leverage Requirements Guideline.
2	Deductions from Basel III Tier 1 capital determined by paragraphs 4, 15 and 16 of the Leverage Requirements Guideline and excluded from the leverage ratio exposure measure, reported as negative amounts. (1)
3	Sum of lines 1 and 2.
4	Replacement cost (RC) associated with all derivative transactions, (including exposure resulting from transactions described in paragraph 42 of the Leverage Requirements Guideline), net of cash variation margin received and with, where applicable, bilateral netting according to paragraphs 22 to 35 and 40 of the Leverage Requirements Guideline.
5	Add-on amount for all derivatives exposure according to paragraphs 22 to 35 of the Leverage Requirements Guideline.
6	Grossed-up amount for collateral provided according to paragraph 38 of the Leverage Requirements Guideline.
7	Deductions of receivables assets from cash variation margin provided in derivative transactions according to paragraph 40 of the Leverage Requirements Guideline, reported as negative amounts.
8	Exempted trade exposures associated with the CCP-leg of derivative transactions resulting from client cleared transactions according to paragraph 41 of the Leverage Requirements Guideline, reported as negative amounts.
9	Adjusted effective notional amount (i.e. the effective notional amount reduced by any negative change in fair value) for written credit derivatives according to paragraphs 45 to 47 of the Leverage Requirements Guideline.
10	Adjusted effective notional offsets of written credit derivatives according to paragraphs 45 to 47 of the Leverage Requirements Guideline and deducted add-on amounts relating to written credit derivatives according to paragraph 48 of the Leverage Requirements Guideline, reported as negative amounts.
11	Sum of lines 4 to 10.
12	Gross SFT assets recognized for accounting purposes with no recognition of any netting other than novation with QCCPs as set out in footnote 30 of the Leverage Requirements Guideline, removing certain securities received as determined by paragraph 50 (i) of the Leverage Requirements Guideline and adjusting for any sales accounting transactions as determined by paragraph 53 of the Leverage Requirements Guideline.
13	Cash payables and cash receivables of Gross SFT assets netted according to paragraph 50 (i) of the Leverage Requirements Guideline, reported as negative amounts.
14	Measure of counterparty credit risk for SFTs as determined by paragraph 50 (ii) of the Leverage Requirements Guideline.
15	Agent transaction exposure amount determined according to paragraphs 54 to 56 of the Leverage Requirements Guideline.
16	Sum of lines 12 to 15.
17	Total off-balance sheet exposure amounts on a gross notional basis, before any adjustment for credit conversion factors according to paragraphs 57 to 65 of the Leverage Requirements Guideline.
18	Reduction in gross amount of off-balance sheet exposures due to the application of credit conversion factors in paragraphs 57 to 65 of the Leverage Requirements Guideline.
19	Sum of lines 17 and 18.
20	Tier 1 capital as determined by paragraph 10 of the Leverage Requirements Guideline. (1)
21	Sum of lines 3, 11, 16 and 19.
22	Basel III leverage ratio according to paragraph 5 of the Leverage Requirements Guideline. (1) (Line 20/21)
23	Tier 1 capital measured on an all-in basis as specified in Chapter 2 of OSFI's Capital Adequacy Requirements Guideline.
24	Regulatory adjustments to Tier 1 capital measured on an all-in basis as specified in Chapter 2 of OSFI's Capital Adequacy Requirements Guideline, reported as negative amounts.
25	Sum of lines 21 and 24, less the amount reported in line 2.
26	Leverage ratio measured on all-in basis; the ratio of the Tier 1 capital amount reported in line 23 to the Total Exposure amount reported in line 25.
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⁽¹⁾ Measured on transitional basis.



Credit Risk Parameters	
Exposure at Default (EAD)	Generally represents the expected gross exposures at default and includes outstanding amounts for on-balance sheet exposures and loan equivalent amounts for off-balance sheet exposures.
Probability of Default (PD)	Measures the likelihood that a borrower will default within a 1-year time horizon, expressed as a percentage.
Loss Given Default (LGD)	Measures the severity of loss on a facility in the event of a borrower's default, expressed as a percentage of exposure at default.
Exposure Types	
Non-retail	
Corporate	Debt obligation of a corporation, partnership, or proprietorship.
Bank	Debt obligation of a bank or bank equivalent (including certain public sector entities (PSEs) treated as Bank equivalent exposures).
Sovereign	Debt obligation of a sovereign, central bank, certain Multi Development Banks (MDBs) and certain PSEs treated as Sovereign.
Securitization	On-balance sheet investments in asset backed securities (ABS), mortgage backed securities (MBS), collateralized loan obligations (CLOs) and collateralized debt obligations (CDOs). Off-balance sheet liquidity lines including credit enhancements to Bank's sponsored ABCP conduits and liquidity lines to non-bank sponsored ABCP conduits.
Retail	
Real Estate Secured	
Residential Mortgages	Loans to individuals against residential property (four units or less).
Secured Lines Of Credit	Revolving personal lines of credit secured by first charge on residential real estate.
Qualifying Revolving Retail Exposures (QRRE)	Credit cards and unsecured line of credit for individuals.
Other Retail	All other personal loans.
Exposure Sub-types	
Drawn	Outstanding amounts for loans, leases, acceptances, deposits with banks and available-for-sale debt securities.
Undrawn	Unutilized portion of an authorized credit line.
Repo-Style Transactions	Reverse repurchase agreements (reverse repos) and repurchase agreements (repos), securities lending and borrowing.
Over-the Counter (OTC) Derivatives	Over-the-counter derivatives contracts.
Exchange-traded derivatives (ETD)	Derivative contracts (e.g. futures contracts and options) that are transacted on an organized futures exchange. These include Futures contracts (both Long and Short positions), Purchased Options and Written Options.
Other Off- Balance Sheet	Direct credit substitutes such as standby letters of credits and guarantees, trade letters of credits, and performance letters of credits and guarantees.
Qualifying central counterparty (QCCP)	A qualifying central counterparty (QCCP) is licensed as a central counterparty and is also considered as "qualifying" when it is compliant with CPSS-IOSCO standards and is able to assist clearing member banks in properly capitalizing for CCP exposures by either undertaking the calculations and/or making available sufficient information to its clearing members, or others, to enable the completion of capital calculations.
Non-qualifying central counterparties (NQCCP)	Defined as those central counterparties which are not compliant with CPSS-IOSCO standards as outlined under qualifying CCP's. The exposures to NQCCP will follow standardized treatment under the Basel accord.
Other	
Asset Value Correlation Multiplier (AVC)	Basel III has increased the risk-weights on exposures to certain Financial Institutions (FIs) relative to the non-financial corporate sector by introducing an Asset Value Correlation multiplier (AVC). The correlation factor in the risk-weight formula is multiplied by this AVC factor of 1.25 for all exposures to regulated FIs whose total assets are greater than or equal to US \$100 billion and all exposures to unregulated FIs.
Specific Wrong-Way Risk (WWR)	Specific Wrong-Way Risk arises when the exposure to a particular counterparty is positively correlated with the probability of default of the counterparty due to the nature of the transactions with the counterparty.
Credit Valuation Adjustment (CVA)	Credit Valuation Adjustment (CVA) is the difference between the risk free value of a portfolio and the true value of that portfolio, accounting for the possible default of a counterparty. CVA adjustment aims to identify the impact of Counterparty Risk.
Advanced Measurement Approaches (AMA)	Under the AMA, the regulatory capital requirement for Operational Risk will equal the risk measure generated by the bank's internal operational risk measurement system using the quantitative and qualitative criteria. AMA utilizes risk drivers for capital movements (such as internal loss experience, business environment and internal control factors, external loss experience, and scenarios).