

Supplementary Financial Information



Q4 2017

For the period ended October 31, 2017

(UNAUDITED)

For further information, please contact:

Dave Mun	SVP, Performance Management & Investor Relations	(416) 974-4924	dave.mun@rbc.com
Asim Imran	Senior Director, Investor Relations	(416) 955-7804	asim.imran@rbc.com
Jennifer Nugent	Senior Director, Investor Relations	(416) 974-0973	jennifer.nugent@rbc.com

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Notes to Users

The Consolidated Financial Statements are prepared in compliance with International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board (IASB), International Accounting Standard (IAS) 34, *Interim Financial Reporting* unless otherwise noted. Unless otherwise stated, monetary amounts are stated in Canadian dollars. This document is not audited and should be read in conjunction with our 2017 Annual Report. Certain comparative amounts have been amended to conform to the current period's presentation.

Capital Disclosure Requirements related to Basel III Pillar 3

Capital main features disclosure provides a qualitative disclosure and sets out summary information on the terms and conditions of the main features of all capital instruments. We have also included the full terms and conditions for each of our capital instruments on our Investor Relations website at <http://www.rbc.com/investorrelations/quarterly-financial-statements.html>.

EDTF Disclosures

The Financial Stability Board's Enhanced Disclosure Task Force (EDTF) issued a report titled "*Enhancing the Risk Disclosures of Banks*" in October 2012. The following index lists the disclosure related to these recommendations contained in this document.

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For a full index of where to find all EDTF related disclosures, see p. 116 of our 2017 Annual Report.

FINANCIAL HIGHLIGHTS (Millions of Canadian dollars, except otherwise noted) ¹	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
SELECTED INCOME STATEMENT INFORMATION											
Net interest income	4,361	4,257	4,198	4,324	4,187	4,123	4,025	4,196	3,800	17,140	16,531
Non-interest income	6,162	5,831	6,214	5,322	5,177	6,229	5,597	5,261	4,313	23,529	22,264
Total revenue	10,523	10,088	10,412	9,646	9,364	10,352	9,622	9,457	8,113	40,669	38,795
Provision for credit losses (PCL)	234	320	302	294	358	318	460	410	275	1,150	1,546
Insurance policyholder benefits, claims and acquisition expense	1,137	643	1,090	183	397	1,210	988	829	292	3,053	3,424
Non-interest expense (NIE)	5,611	5,537	5,331	5,315	5,297	5,188	4,983	5,058	4,741	21,794	20,526
Net income	2,837	2,796	2,809	3,027	2,543	2,895	2,573	2,447	2,593	11,469	10,458
Less: Non-controlling interest	(8)	(13)	(8)	(12)	(10)	(9)	(13)	(21)	(24)	(41)	(53)
Preferred dividends	(72)	(76)	(77)	(75)	(75)	(85)	(74)	(60)	(54)	(300)	(294)
Net income available to common shareholders	2,757	2,707	2,724	2,940	2,458	2,801	2,486	2,366	2,515	11,128	10,111
Add: Dilutive impact of exchangeable shares	4	4	3	4	4	4	3	4	4	15	15
Net income available to common shareholders including dilutive impact of exchangeable shares	2,761	2,711	2,727	2,944	2,462	2,805	2,489	2,370	2,519	11,143	10,126
PROFITABILITY MEASURES											
Earnings per share (EPS) - basic	\$1.89	\$1.86	\$1.86	\$1.98	\$1.66	\$1.88	\$1.67	\$1.59	\$1.74	\$7.59	\$6.80
- diluted	\$1.88	\$1.85	\$1.85	\$1.97	\$1.65	\$1.88	\$1.66	\$1.58	\$1.74	\$7.56	\$6.78
Common shares outstanding (000s) ²											
- average (basic)	1,457,855	1,457,854	1,468,015	1,484,262	1,483,869	1,485,915	1,487,346	1,486,560	1,443,992	1,466,988	1,485,876
- average (diluted)	1,464,916	1,465,035	1,475,562	1,492,350	1,491,872	1,494,126	1,495,609	1,495,035	1,450,405	1,474,421	1,494,137
Return on common equity (ROE) ³	16.6 %	16.3 %	17.2 %	18.0 %	15.5 %	18.0 %	16.2 %	15.3 %	17.9 %	17.0 %	16.3 %
Return on assets	0.94 %	0.93 %	0.98 %	1.02 %	0.86 %	0.97 %	0.90 %	0.83 %	0.94 %	0.97 %	0.89 %
Return on RWA ⁴	2.37 %	2.43 %	2.45 %	2.71 %	2.26 %	2.60 %	2.41 %	2.12 %	2.50 %	2.49 %	2.34 %
Efficiency ratio	53.3 %	54.9 %	51.2 %	55.1 %	56.6 %	50.1 %	51.8 %	53.5 %	58.4 %	53.6 %	52.9 %
Adjusted efficiency ratio ⁵	54.8 %	53.7 %	53.1 %	53.6 %	55.5 %	54.5 %	53.0 %	53.7 %	55.3 %	53.8 %	54.2 %
KEY RATIOS											
Diluted EPS growth ⁶	13.9 %	(1.6) %	11.4 %	24.7 %	(5.2) %	13.3 %	(1.2) %	(4.2) %	10.8 %	11.5 %	0.7 %
Revenue growth ⁶	12.4 %	(2.6) %	8.2 %	2.0 %	15.4 %	16.0 %	7.8 %	(2.9) %	(4.3) %	4.8 %	8.7 %
Adjusted revenue growth ^{5,6}	7.4 %	8.3 %	6.9 %	5.3 %	11.2 %	6.2 %	3.1 %	5.1 %	1.7 %	7.0 %	6.3 %
NIE growth ⁶	5.9 %	6.7 %	7.0 %	5.1 %	11.7 %	9.6 %	3.2 %	7.3 %	6.9 %	6.2 %	7.9 %
Adjusted NIE growth ^{5,6}	5.9 %	6.7 %	7.0 %	5.1 %	11.7 %	9.6 %	3.2 %	7.3 %	6.9 %	6.2 %	7.9 %
Operating leverage	6.5 %	(9.3) %	1.2 %	(3.1) %	3.7 %	6.4 %	4.6 %	(10.2) %	(11.2) %	(1.4) %	0.8 %
Adjusted operating leverage ⁵	1.5 %	1.6 %	(0.1) %	0.2 %	(0.5) %	(3.4) %	(0.1) %	(2.2) %	(5.2) %	0.8 %	(1.6) %
PCL on impaired loans as a % of Average net loans and acceptances	0.17 %	0.23 %	0.23 %	0.22 %	0.27 %	0.24 %	0.32 %	0.31 %	0.23 %	0.21 %	0.28 %
Net interest margin (on average earning assets)	1.72 %	1.69 %	1.73 %	1.73 %	1.70 %	1.69 %	1.70 %	1.71 %	1.67 %	1.72 %	1.70 %
Net interest margin (total average assets)	1.45 %	1.42 %	1.46 %	1.45 %	1.42 %	1.38 %	1.40 %	1.42 %	1.38 %	1.44 %	1.41 %
Net interest margin (total average assets) excluding Trading Assets, Trading NII and Insurance Assets	2.02 %	1.99 %	2.01 %	2.02 %	2.04 %	2.03 %	2.02 %	2.04 %	2.00 %	2.01 %	2.03 %
Non-interest income as a % of total revenue	58.6 %	57.8 %	59.7 %	55.2 %	55.3 %	60.2 %	58.2 %	55.6 %	53.2 %	57.9 %	57.4 %
Effective tax rate	19.9 %	22.1 %	23.9 %	21.5 %	23.2 %	20.4 %	19.4 %	22.6 %	7.6 %	21.8 %	21.4 %
Effective tax rate (teb)	24.7 %	24.3 %	25.8 %	23.8 %	25.8 %	25.8 %	24.2 %	26.1 %	14.1 %	24.6 %	25.5 %
CAPITAL MEASURES - CONSOLIDATED											
Common Equity Tier 1 capital ratio (CET1) ⁴	10.9 %	10.9 %	10.6 %	11.0 %	10.8 %	10.5 %	10.3 %	9.9 %	10.6 %	10.9 %	10.8 %
Tier 1 capital ratio ⁴	12.3 %	12.4 %	12.0 %	12.6 %	12.3 %	12.1 %	11.9 %	11.3 %	12.2 %	12.3 %	12.3 %
Total capital ratio ⁴	14.2 %	14.4 %	14.1 %	14.7 %	14.4 %	14.2 %	14.0 %	13.4 %	14.0 %	14.2 %	14.4 %
Total capital risk-weighted assets (\$ billions) ⁴	474.5	458.1	471.2	443.9	449.7	445.1	437.1	462.4	414.0	474.5	449.7
Leverage ratio - all-in basis	4.4 %	4.4 %	4.3 %	4.4 %	4.4 %	4.2 %	4.2 %	4.0 %	4.3 %	4.4 %	4.4 %
Leverage ratio exposure - all-in basis (\$ billions)	1,315.5	1,286.6	1,311.7	1,260.0	1,265.1	1,270.4	1,228.3	1,288.5	1,170.2	1,315.5	1,265.1

¹ Effective Q4/17, service fees and other costs incurred in association with certain commissions and fees earned are presented on a gross basis in non-interest expense. Comparative amounts have been reclassified to conform with this presentation.

² Average common shares outstanding includes the impact of treasury shares held.

³ This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 50.

⁴ Different scalars are applied to the Credit valuation adjustment (CVA) included in the risk weighted asset calculation applicable to each of the three tiers of capital. This phase-in approach of CVA ends in Q4/18. During this phase-in period, RWA for Common Equity Tier 1 (CET1), Tier 1 capital and Total capital ratios will be subject to different annual CVA percentages. 2015 and 2016 CVA scalars are 64%, 71% and 77%. For 2017 the CVA scalars are 72%, 77% and 81%.

⁵ These measures have been adjusted to exclude the change in fair value backing out policyholder liabilities and the following specified items (pre-tax): Gain on sale of U.S. operations of Moneris Solutions (Q1/17 - \$212 million), Gain on sale of RBC General Insurance (Q3/16 - \$287 million), Cumulative translation adjustment release (Q2/15 - \$108 million). These are non-GAAP measures. Refer to page 50 for further details.

⁶ Growth rates are calculated based on earnings in the same period a year ago.

FINANCIAL HIGHLIGHTS <i>continued</i> (Millions of Canadian dollars, except otherwise noted)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
ADJUSTED BASIS MEASURES ¹											
Net income available to common shareholders	2,757	2,707	2,724	2,940	2,458	2,801	2,486	2,366	2,515	11,128	10,111
Adjustments											
Add: After-tax effect of amortization of other intangibles ²	49	50	51	56	53	51	52	56	26	206	212
Cumulative translation adjustment release	-	-	-	-	-	-	-	-	-	-	-
City National transaction and integration costs	9	7	5	6	9	12	13	23	23	27	57
Gain on sale of RBC General Insurance	-	-	-	-	-	(235)	-	-	-	-	(235)
Gain on sale of U.S. operations of Moneris Solutions Corporation	-	-	-	(212)	-	-	-	-	-	(212)	-
	2,815	2,764	2,780	2,790	2,520	2,629	2,551	2,445	2,564	11,149	10,145
Add: Dilutive impact of exchangeable shares	4	4	3	4	4	4	3	4	4	15	15
Net income available to common shareholders including dilutive impact of exchangeable shares	2,819	2,768	2,783	2,794	2,524	2,633	2,554	2,449	2,568	11,164	10,160
Adjusted EPS	\$1.93	\$1.90	\$1.89	\$1.88	\$1.70	\$1.77	\$1.72	\$1.64	\$1.78	\$7.60	\$6.83
Adjusted diluted EPS	\$1.92	\$1.89	\$1.89	\$1.87	\$1.69	\$1.76	\$1.71	\$1.64	\$1.77	\$7.57	\$6.80
Adjusted ROE	16.9%	16.7%	17.6%	17.1%	15.9%	16.9%	16.6%	15.8%	18.2%	17.1%	16.3%
ECONOMIC PROFIT											
Net income	2,837	2,796	2,809	3,027	2,543	2,895	2,573	2,447	2,593	11,469	10,458
Non-controlling interests	(8)	(13)	(8)	(12)	(10)	(9)	(13)	(21)	(24)	(41)	(53)
After-tax effect of amortization of other intangibles	49	50	51	56	53	51	52	56	26	206	212
Goodwill and other intangibles impairment	-	-	-	-	-	-	-	-	-	-	-
Capital charge	(1,485)	(1,484)	(1,420)	(1,460)	(1,503)	(1,484)	(1,455)	(1,451)	(1,319)	(5,849)	(5,893)
Economic profit ³	1,393	1,349	1,432	1,611	1,083	1,453	1,157	1,031	1,276	5,785	4,724
ADDITIONAL SHARE INFORMATION											
Common shares outstanding (000s) - end of period	1,452,898	1,457,934	1,457,291	1,475,540	1,485,394	1,485,085	1,488,219	1,486,631	1,443,423	1,452,898	1,485,394
Treasury shares held											
- preferred (000s)	6	3	(24)	13	31	(18)	5	(17)	(63)	6	31
- common (000s)	(363)	1,091	(227)	(515)	(1,159)	(1,473)	(1,324)	1,193	532	(363)	(1,159)
Stock options outstanding (000s) ⁴	9,315	9,932	10,612	11,382	11,388	12,595	13,176	14,797	8,182	9,315	11,388
Stock options exercisable (000s)	4,337	4,952	5,595	6,209	6,909	8,085	8,718	10,188	5,231	4,337	6,909
Dividends declared per common share	\$0.91	\$0.87	\$0.87	\$0.83	\$0.83	\$0.81	\$0.81	\$0.79	\$0.79	\$3.48	\$3.24
Dividend yield	3.6%	3.7%	3.6%	3.8%	4.0%	4.1%	4.5%	4.4%	4.3%	3.8%	4.3%
Dividend payout ratio	48%	47%	47%	42%	50%	43%	49%	50%	45%	46%	48%
Common dividends	1,324	1,269	1,271	1,232	1,234	1,202	1,206	1,175	1,141	5,096	4,817
Preferred dividends	72	76	77	75	75	85	74	60	54	300	294
Book value per share	\$46.41	\$44.93	\$45.20	\$43.97	\$43.32	\$42.15	\$40.91	\$42.42	\$39.51	\$46.41	\$43.32
Common share price (RY on TSX)											
- High	\$102.15	\$96.20	\$99.90	\$94.90	\$84.70	\$80.97	\$78.93	\$77.67	\$77.60	\$102.15	\$84.70
- Low	\$90.13	\$90.73	\$93.11	\$81.82	\$78.24	\$74.64	\$64.52	\$64.95	\$68.05	\$81.82	\$64.52
- Close, end of period	\$100.87	\$93.01	\$93.47	\$93.56	\$83.80	\$79.59	\$77.92	\$72.55	\$74.77	\$100.87	\$83.80
Market capitalization (TSX)	146,554	135,602	136,213	138,052	124,476	118,198	115,962	107,855	107,925	146,554	124,476
Market price to book value	2.17	2.07	2.07	2.13	1.93	1.89	1.90	1.71	1.89	2.17	1.93

¹ Adjusted measures are non-GAAP measures. For further information, refer to the Key performance and non-GAAP measures section on page 50.

² Q2/15 includes \$4 million related to the impairment of other intangibles.

³ This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 50.

⁴ Effective Q1/16, includes share-based compensation awards from our acquisition of City National.

FINANCIAL HIGHLIGHTS <i>continued</i> (Millions of Canadian dollars, except otherwise noted)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
SELECTED BALANCE SHEET INFORMATION											
Average loans and acceptances	554,400	547,700	540,500	535,600	531,900	527,600	524,200	525,200	481,400	544,600	527,200
Total assets	1,212,853	1,201,047	1,202,919	1,161,766	1,180,258	1,198,875	1,150,357	1,200,352	1,074,208	1,212,853	1,180,258
Average assets	1,195,600	1,188,800	1,181,000	1,180,800	1,175,400	1,184,300	1,166,500	1,179,300	1,096,100	1,186,600	1,176,400
Average earning assets	1,007,500	1,000,200	997,700	990,500	981,900	973,400	960,900	976,300	900,700	999,000	973,200
Deposits	789,635	778,618	785,583	757,512	757,589	754,415	741,454	769,568	697,227	789,635	757,589
Common equity	67,416	65,561	65,858	64,853	64,304	62,541	60,825	63,111	57,048	67,416	64,304
Average common equity	65,900	65,750	64,800	64,650	63,100	61,800	62,400	61,450	55,800	65,300	62,200
OTHER INFORMATION											
Number of employees (full-time equivalent) ¹											
Canada	55,420	56,147	55,283	55,214	55,213	56,396	56,030	55,872	55,905	55,420	55,213
US	12,505	12,611	11,947	11,896	11,824	11,861	11,509	11,494	7,769	12,505	11,824
Other	10,285	10,376	10,428	10,704	10,788	10,956	11,005	11,218	11,340	10,285	10,788
Total	78,210	79,134	77,658	77,814	77,825	79,213	78,544	78,584	75,014	78,210	77,825
Number of banking branches											
Canada	1,235	1,246	1,256	1,265	1,268	1,271	1,274	1,276	1,275	1,235	1,268
US	73	72	72	73	73	73	75	75	-	73	73
Other	68	70	73	77	78	78	78	79	80	68	78
Total	1,376	1,388	1,401	1,415	1,419	1,422	1,427	1,430	1,355	1,376	1,419
Number of automated teller machines (ATMs)	4,630	4,758	4,893	4,902	4,905	4,901	4,898	4,900	4,816	4,630	4,905
Active digital (Online and Mobile) users (000's) ²	6,226	6,088	6,021	5,908	5,806	5,694	5,607	5,524	5,442	6,226	5,806
Active mobile users (000's) ¹	3,298	3,135	2,981	2,886	2,772	2,617	2,463	2,379	2,267	3,298	2,772
MARKET RISK MEASURES - Structural Interest Rate Sensitivities											
Before-tax impact of 1% increase in rates on:											
Net interest income risk ³	451	379	471	414	420	449	421	427	289	451	420
Economic value of equity	(1,215)	(1,325)	(1,208)	(1,304)	(1,377)	(1,187)	(1,192)	(1,286)	(1,072)	(1,215)	(1,377)
Before-tax impact of 1% decrease in rates on:											
Net interest income risk ³	(604)	(546)	(577)	(553)	(465)	(450)	(450)	(457)	(370)	(604)	(465)
Economic value of equity	638	753	655	860	644	496	571	593	829	638	644

¹ Amounts have been revised from those previously presented.

² This figure represents the 90-Day Active customers in Canadian Banking only.

³ Amounts represent the 12-month Net interest exposure to an instantaneous and sustained shift in interest rates.

STATEMENTS OF INCOME (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Net interest income											
Interest income	7,146	6,808	6,491	6,459	6,211	6,184	6,001	6,056	5,715	26,904	24,452
Interest expense	2,785	2,551	2,293	2,135	2,024	2,061	1,976	1,860	1,915	9,764	7,921
Total	4,361	4,257	4,198	4,324	4,187	4,123	4,025	4,196	3,800	17,140	16,531
Non-interest income											
Accounts	329	328	324	325	329	323	317	315	304	1,306	1,284
Other payment services	116	122	113	113	118	120	118	116	100	464	472
Service charges	445	450	437	438	447	443	435	431	404	1,770	1,756
Insurance premiums, investment and fee income	1,612	1,009	1,448	497	824	1,534	1,351	1,159	717	4,566	4,868
Trading revenue	146	216	181	263	119	311	181	90	(203)	806	701
Investment management and custodial fees	1,228	1,227	1,189	1,159	1,133	1,083	1,059	1,083	971	4,803	4,358
Mutual fund revenue	848	857	820	814	813	795	763	788	796	3,339	3,159
Securities brokerage commissions	327	330	360	399	350	352	360	367	352	1,416	1,429
Underwriting and other advisory fees	498	537	590	468	509	524	469	374	350	2,093	1,876
Foreign exchange revenue, other than trading	230	281	236	227	217	189	376	182	222	974	964
Card service revenue	211	245	241	236	220	227	226	216	193	933	889
Credit fees	364	355	358	356	384	285	307	263	308	1,433	1,239
Net gain (loss) on available-for-sale securities	47	44	54	27	2	7	15	52	34	172	76
Share of profit (loss) in joint ventures and associates	10	33	41	251	44	44	41	47	40	335	176
Other	196	247	259	187	115	435	14	209	129	889	773
Total	6,162	5,831	6,214	5,322	5,177	6,229	5,597	5,261	4,313	23,529	22,264
Total revenue	10,523	10,088	10,412	9,646	9,364	10,352	9,622	9,457	8,113	40,669	38,795
Provision for credit losses	234	320	302	294	358	318	460	410	275	1,150	1,546
Insurance policyholder benefits, claims and acquisition expense	1,137	643	1,090	183	397	1,210	988	829	292	3,053	3,424
Non-interest expense	5,611	5,537	5,331	5,315	5,297	5,188	4,983	5,058	4,741	21,794	20,526
Income before income taxes	3,541	3,588	3,689	3,854	3,312	3,636	3,191	3,160	2,805	14,672	13,299
Income taxes	704	792	880	827	769	741	618	713	212	3,203	2,841
Net income	2,837	2,796	2,809	3,027	2,543	2,895	2,573	2,447	2,593	11,469	10,458
Net income (loss) attributable to:											
Shareholders	2,829	2,783	2,801	3,015	2,533	2,886	2,560	2,426	2,569	11,428	10,405
Non-controlling interests (NCI)	8	13	8	12	10	9	13	21	24	41	53
Net income	2,837	2,796	2,809	3,027	2,543	2,895	2,573	2,447	2,593	11,469	10,458
Net income	2,837	2,796	2,809	3,027	2,543	2,895	2,573	2,447	2,593	11,469	10,458
Non-controlling interests	(8)	(13)	(8)	(12)	(10)	(9)	(13)	(21)	(24)	(41)	(53)
Preferred dividends	(72)	(76)	(77)	(75)	(75)	(85)	(74)	(60)	(54)	(300)	(294)
Net income available to common shareholders	2,757	2,707	2,724	2,940	2,458	2,801	2,486	2,366	2,515	11,128	10,111

REVENUE FROM TRADING ACTIVITIES (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Total trading revenue											
Net interest income	526	544	631	669	571	570	597	638	640	2,370	2,376
Non-interest income	146	216	181	263	119	311	181	90	(203)	806	701
Total	672	760	812	932	690	881	778	728	437	3,176	3,077
Trading revenue by product											
Interest rate and credit	366	416	431	583	449	585	430	366	162	1,796	1,830
Equities	207	236	239	213	123	165	189	207	174	895	684
Foreign exchange and commodities	99	108	142	136	118	131	159	155	101	485	563
Total	672	760	812	932	690	881	778	728	437	3,176	3,077
Trading revenue (teb) by product											
Interest rate and credit	366	416	431	583	449	585	430	366	162	1,796	1,830
Equities	279	311	325	306	210	262	336	358	387	1,221	1,166
Foreign exchange and commodities	99	108	142	136	119	131	159	155	100	485	564
Total (teb)	744	835	898	1,025	778	978	925	879	649	3,502	3,560
Trading revenue (teb) by product - Capital Markets											
Interest rate and credit	297	353	332	484	332	465	349	327	181	1,466	1,473
Equities	280	323	330	318	223	262	339	381	390	1,251	1,205
Foreign exchange and commodities	70	77	104	80	74	87	124	117	77	331	402
Total (teb)	647	753	766	882	629	814	812	825	648	3,048	3,080
Trading revenue (teb) - Investor & Treasury Services	40	41	79	89	105	90	58	48	(26)	249	301

NON-INTEREST EXPENSE (Millions of Canadian dollars) ¹	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Human resources											
Salaries	1,487	1,559	1,449	1,441	1,466	1,462	1,445	1,492	1,348	5,936	5,865
Variable compensation	1,323	1,342	1,277	1,261	1,204	1,173	1,089	1,117	995	5,203	4,583
Benefits and retention compensation	415	444	465	468	378	402	430	464	355	1,792	1,674
Stock-based compensation ²	74	88	98	139	30	86	93	46	24	399	255
Total Human resources	3,299	3,433	3,289	3,309	3,078	3,123	3,057	3,119	2,722	13,330	12,377
Equipment											
Depreciation	69	63	60	61	66	47	64	64	58	253	241
Computer rental and maintenance	300	293	277	291	306	294	289	287	282	1,161	1,176
Office equipment rental and maintenance	4	5	7	4	6	5	5	5	2	20	21
Total Equipment	373	361	344	356	378	346	358	356	342	1,434	1,438
Occupancy											
Premises rent	179	168	175	200	181	154	163	163	151	722	661
Premises repairs and maintenance	107	100	106	66	103	115	114	109	111	379	441
Depreciation	82	78	86	101	87	85	72	88	81	347	332
Property taxes	34	37	37	32	35	33	33	33	25	140	134
Total Occupancy	402	383	404	399	406	387	382	393	368	1,588	1,568
Communications											
Telecommunications	41	40	42	42	43	45	42	42	43	165	172
Postage and courier	52	51	58	56	50	50	57	49	43	217	206
Marketing and public relations	183	135	119	101	167	122	107	94	147	538	490
Stationery and printing	23	24	22	22	18	23	18	18	20	91	77
Total Communications	299	250	241	221	278	240	224	203	253	1,011	945
Professional fees	368	326	265	255	312	279	247	240	307	1,214	1,078
Amortization of other intangibles											
Computer software	184	181	174	167	179	173	152	153	150	706	657
Other	73	74	77	85	78	77	77	81	30	309	313
Total Amortization of other intangibles	257	255	251	252	257	250	229	234	180	1,015	970
Other											
Business and capital taxes	77	22	13	22	91	30	23	31	76	134	175
Travel and relocation	48	52	47	44	55	51	46	51	54	191	203
Employee training	16	15	13	11	19	13	11	11	16	55	54
Donations	42	18	18	16	23	22	18	19	25	94	82
Outsourced item processing	39	44	45	46	39	45	48	46	43	174	178
Impairment of other intangibles	-	2	-	-	-	-	3	-	1	2	3
Impairment of investments in joint ventures and associates	2	-	1	1	(23)	5	4	6	(17)	4	(8)
Other	389	376	400	383	384	397	333	349	371	1,548	1,463
Total Other	613	529	537	523	588	563	486	513	569	2,202	2,150
Total non-interest expense	5,611	5,537	5,331	5,315	5,297	5,188	4,983	5,058	4,741	21,794	20,526

¹ Effective Q4/17, service fees and other costs incurred in association with certain commissions and fees earned are presented on a gross basis in non-interest expense. Comparative amounts have been reclassified to conform with this presentation.

² Stock-based compensation includes the cost of stock options, performance deferred shares, deferred compensation plans and the impact of related economic hedges.

PERSONAL & COMMERCIAL BANKING (Millions of Canadian dollars, except percentage amounts) ¹	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Income Statement											
Net interest income	2,820	2,721	2,597	2,649	2,640	2,598	2,527	2,572	2,569	10,787	10,337
Non-interest income	1,199	1,249	1,201	1,427	1,189	1,182	1,151	1,153	1,121	5,076	4,675
Total revenue	4,019	3,970	3,798	4,076	3,829	3,780	3,678	3,725	3,690	15,863	15,012
Provision for credit losses (PCL)	270	273	262	249	288	271	279	284	240	1,054	1,122
Non-interest expense	1,872	1,826	1,709	1,769	1,825	1,732	1,658	1,718	1,758	7,176	6,933
Income taxes	473	472	467	466	441	455	444	433	422	1,878	1,773
Net income	1,404	1,399	1,360	1,592	1,275	1,322	1,297	1,290	1,270	5,755	5,184
Total revenue by business											
Personal Financial Services	2,145	2,111	2,014	2,061	2,042	2,018	1,952	1,974	1,997	8,331	7,986
Business Financial Services	875	850	812	820	811	814	773	792	774	3,357	3,190
Cards and Payment Solutions	746	768	732	943	724	712	699	698	679	3,189	2,833
Canadian Banking	3,766	3,729	3,558	3,824	3,577	3,544	3,424	3,464	3,450	14,877	14,009
Caribbean & U.S. Banking	253	241	240	252	252	236	254	261	240	986	1,003
Total	4,019	3,970	3,798	4,076	3,829	3,780	3,678	3,725	3,690	15,863	15,012
Financial ratios											
Return on equity (ROE) ²	26.7 %	26.6 %	28.0 %	32.1 %	27.1 %	28.0 %	27.8 %	26.9 %	29.1 %	28.3 %	27.5 %
Net interest margin (average earning assets)	2.71 %	2.66 %	2.67 %	2.66 %	2.69 %	2.68 %	2.69 %	2.68 %	2.70 %	2.68 %	2.68 %
Efficiency ratio	46.6 %	46.0 %	45.0 %	43.4 %	47.7 %	45.8 %	45.1 %	46.1 %	47.6 %	45.2 %	46.2 %
Operating leverage	2.4 %	(0.4)%	0.2 %	6.4 %	0.0 %	0.5 %	4.7 %	0.2 %	0.8 %	2.2 %	1.3 %
Average balances											
Total assets	430,100	423,700	417,300	413,100	409,000	405,000	400,400	400,800	395,100	421,100	403,800
Total earning assets	412,200	405,700	398,900	395,500	391,000	386,000	382,200	382,300	377,300	403,100	385,400
Loans and acceptances	412,000	405,200	398,200	394,600	390,000	384,700	380,600	380,300	375,400	402,500	383,900
Deposits	352,100	346,400	342,400	336,700	329,700	321,300	314,600	314,600	307,000	344,400	320,100
Attributed capital	20,500	20,500	19,550	19,350	18,350	18,400	18,600	18,750	17,050	20,000	18,550
Risk capital	15,950	15,850	14,850	14,650	13,600	13,700	13,800	13,850	12,150	15,300	13,750
Credit quality											
Gross impaired loans / Related loans and acceptances	0.36 %	0.37 %	0.39 %	0.39 %	0.42 %	0.43 %	0.45 %	0.48 %	0.48 %	0.36 %	0.43 %
PCL on impaired loans / Average net loans and acceptances	0.26 %	0.27 %	0.27 %	0.25 %	0.29 %	0.28 %	0.30 %	0.30 %	0.25 %	0.26 %	0.29 %
Net write-offs / Average net loans and acceptances	0.24 %	0.25 %	0.27 %	0.25 %	0.28 %	0.30 %	0.29 %	0.26 %	0.29 %	0.25 %	0.28 %
Business information											
Assets under administration ³	264,800	252,500	258,100	245,000	239,600	235,300	228,000	222,000	223,500	264,800	239,600
Assets under management	4,600	4,400	4,800	4,500	4,600	4,400	4,400	4,700	4,800	4,600	4,600
Number of employees (full-time equivalent) ⁴	34,773	35,093	34,764	35,078	35,362	36,245	36,179	36,276	36,424	34,773	35,362
Other earnings measures											
Net income	1,404	1,399	1,360	1,592	1,275	1,322	1,297	1,290	1,270	5,755	5,184
Non-controlling interests	1	(4)	1	(3)	(1)	(1)	(4)	(2)	(2)	(5)	(8)
Add: After-tax effect of amortization of other intangibles	2	3	3	3	3	4	2	3	3	11	12
Adjusted net income	1,407	1,398	1,364	1,592	1,277	1,325	1,295	1,291	1,271	5,761	5,188
Less: Capital charge	462	463	429	437	438	442	433	443	404	1,791	1,756
Economic profit ⁵	945	935	935	1,155	839	883	862	848	867	3,970	3,432

¹ Effective Q4/17, service fees and other costs incurred in association with certain commissions and fees earned are presented on a gross basis in non-interest expense. Comparative amounts have been reclassified to conform with this presentation.

² This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 50.

³ AUA represents period-end spot balances and includes securitized residential mortgages and credit card loans as at October 31, 2017 of \$18.4 billion and \$8.4 billion, respectively (July 31, 2017 - \$18.4 billion and \$8.2 billion; October 31, 2016 - \$18.6 billion and \$9.6 billion).

⁴ Amounts have been revised from those previously presented.

⁵ This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 50.

CANADIAN BANKING (Millions of Canadian dollars, except percentage amounts) ¹	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Income Statement											
Net interest income	2,644	2,561	2,435	2,488	2,471	2,442	2,367	2,403	2,407	10,128	9,683
Non-interest income	1,122	1,168	1,123	1,336	1,106	1,102	1,057	1,061	1,043	4,749	4,326
Total revenue	3,766	3,729	3,558	3,824	3,577	3,544	3,424	3,464	3,450	14,877	14,009
Provision for credit losses (PCL)	251	259	256	250	276	265	273	266	228	1,016	1,080
Non-interest expense	1,685	1,651	1,527	1,560	1,623	1,548	1,478	1,537	1,570	6,423	6,186
Income taxes	470	470	459	468	432	447	432	430	425	1,867	1,741
Net income	1,360	1,349	1,316	1,546	1,246	1,284	1,241	1,231	1,227	5,571	5,002
Total revenue by business											
Personal Financial Services	2,145	2,111	2,014	2,061	2,042	2,018	1,952	1,974	1,997	8,331	7,986
Business Financial Services	875	850	812	820	811	814	773	792	774	3,357	3,190
Cards and Payment Solutions	746	768	732	943	724	712	699	698	679	3,189	2,833
Total	3,766	3,729	3,558	3,824	3,577	3,544	3,424	3,464	3,450	14,877	14,009
Financial ratios											
Return on equity (ROE) ²	30.7 %	30.6 %	32.9 %	37.8 %	32.5 %	33.4 %	32.9 %	31.8 %	35.2 %	32.9 %	32.6 %
Net interest margin (average earning assets)	2.65 %	2.61 %	2.62 %	2.61 %	2.63 %	2.63 %	2.64 %	2.62 %	2.65 %	2.62 %	2.63 %
Efficiency ratio	44.7 %	44.3 %	42.9 %	40.8 %	45.4 %	43.7 %	43.2 %	44.4 %	45.5 %	43.2 %	44.2 %
Operating leverage	1.5 %	(1.5)%	0.6 %	8.9 %	0.3 %	1.2 %	3.4 %	0.0 %	(1.7)%	2.4 %	1.2 %
Average balances											
Total assets	408,200	401,200	393,900	390,400	386,500	382,300	377,800	377,300	373,000	398,500	381,000
Total earning assets	395,500	388,600	381,400	378,400	374,300	368,900	364,900	364,300	360,200	386,000	368,100
Loans and acceptances	403,100	396,100	388,800	385,300	380,900	375,600	371,300	370,500	366,100	393,400	374,600
Residential mortgages	235,200	229,600	225,600	224,100	220,600	216,400	213,900	212,400	208,400	228,600	215,800
Personal ³	80,600	81,000	80,200	80,300	81,000	81,400	81,300	82,400	83,600	80,500	81,500
Credit cards	17,400	17,100	16,400	16,700	16,400	16,100	15,500	15,800	15,500	17,000	16,000
Small business	4,400	4,400	3,800	3,800	3,900	3,900	3,900	3,900	4,000	4,100	3,900
Total retail	337,600	332,100	326,000	324,900	321,900	317,800	314,600	314,500	311,500	330,200	317,200
Wholesale	65,500	64,000	62,800	60,400	59,000	57,800	56,700	56,000	54,600	63,200	57,400
Personal deposits	188,800	185,200	182,900	181,200	178,300	177,100	175,600	173,100	169,700	184,600	176,000
Business deposits	145,500	143,000	140,400	137,200	133,100	125,600	120,600	122,400	119,100	141,500	125,400
Attributed capital	17,350	17,200	16,150	16,000	15,000	15,050	15,150	15,250	13,700	16,700	15,100
Risk capital	14,500	14,400	13,300	13,150	12,150	12,150	12,250	12,350	10,800	13,850	12,250
Credit quality											
Gross impaired loans / Related loans and acceptances	0.24 %	0.25 %	0.25 %	0.26 %	0.27 %	0.28 %	0.28 %	0.27 %	0.29 %	0.24 %	0.27 %
PCL on impaired loans / Average net loans and acceptances	0.25 %	0.26 %	0.27 %	0.26 %	0.29 %	0.28 %	0.30 %	0.29 %	0.25 %	0.26 %	0.29 %
Net write-offs / Average net loans and acceptances	0.23 %	0.24 %	0.26 %	0.25 %	0.27 %	0.27 %	0.28 %	0.26 %	0.26 %	0.25 %	0.27 %
Business information											
Assets under administration ⁴	256,400	244,400	249,200	236,700	231,400	227,400	218,800	211,900	213,700	256,400	231,400
Number of employees (full-time equivalent) ⁵	31,902	32,200	31,859	32,044	32,297	33,199	33,047	33,072	33,232	31,902	32,297
Other earnings measures											
Net income	1,360	1,349	1,316	1,546	1,246	1,284	1,241	1,231	1,227	5,571	5,002
Add: After-tax effect of amortization of other intangibles	2	4	2	3	2	3	3	3	3	11	11
Adjusted net income	1,362	1,353	1,318	1,549	1,248	1,287	1,244	1,234	1,230	5,582	5,013
Less: Capital charge	390	390	353	362	358	361	352	360	324	1,495	1,431
Economic profit ⁶	972	963	965	1,187	890	926	892	874	906	4,087	3,582

¹ Effective Q4/17, service fees and other costs incurred in association with certain commissions and fees earned are presented on a gross basis in non-interest expense. Comparative amounts have been reclassified to conform with this presentation.

² This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 50.

³ As at Q4/17, average personal secured loans was \$59.8 billion and average personal unsecured loans was \$20.8 billion. The loans are secured by securities, residential real estate, automotive assets and government guarantees.

⁴ AUA represents period-end spot balances and includes securitized residential mortgages and credit card loans as at October 31, 2017 of \$18.4 billion and \$8.4 billion, respectively (July 31, 2017 - \$18.4 billion and \$8.2 billion; October 31, 2016 - \$18.6 billion and \$9.6 billion).

⁵ Amounts have been revised from those previously presented.

⁶ This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 50.

WEALTH MANAGEMENT (Millions of Canadian dollars, except percentage amounts) ¹	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Income Statement											
Net interest income	583	578	546	541	524	496	466	469	118	2,248	1,955
Fee-based revenue	1,485	1,484	1,425	1,405	1,385	1,328	1,284	1,326	1,241	5,799	5,323
Transaction and other revenue	457	449	468	492	442	427	428	405	359	1,866	1,702
U.S. Wealth accumulation plan gains/(losses) ²	37	36	42	47	(10)	36	54	(57)	(12)	162	23
Total revenue	2,562	2,547	2,481	2,485	2,341	2,287	2,232	2,143	1,706	10,075	9,003
Provision for credit losses (PCL)	-	6	15	13	22	14	7	5	1	34	48
Non-interest expense	1,868	1,877	1,853	1,868	1,797	1,734	1,680	1,781	1,377	7,466	6,992
U.S. Wealth accumulation plan (gains)/losses ²	33	32	39	41	(7)	35	42	(47)	(7)	145	23
Income taxes	170	146	143	133	133	116	117	101	80	592	467
Net income	491	486	431	430	396	388	386	303	255	1,838	1,473
Total revenue by business											
Canadian Wealth Management	717	693	692	713	663	620	614	609	596	2,815	2,506
U.S. Wealth Management (including City National)	1,252	1,251	1,205	1,183	1,094	1,076	1,050	953	511	4,891	4,173
Global Asset Management	508	507	486	493	482	484	460	468	476	1,994	1,894
International Wealth Management	85	96	98	96	102	107	108	113	123	375	430
Total	2,562	2,547	2,481	2,485	2,341	2,287	2,232	2,143	1,706	10,075	9,003
Financial ratios											
Return on equity (ROE) ³	14.2%	13.9%	12.4%	12.2%	11.6%	11.4%	11.6%	8.9%	17.0%	13.2%	10.9%
Net interest margin (average earning assets)	3.13%	3.14%	2.99%	2.82%	2.82%	2.87%	2.88%	2.79%	2.46%	3.02%	2.84%
Pre-tax margin	25.8%	24.8%	23.1%	22.7%	22.6%	22.0%	22.5%	18.9%	19.6%	24.1%	21.5%
Average balances											
Total assets	86,800	86,400	89,000	90,100	87,900	83,000	80,000	81,700	28,200	88,100	83,200
Total earning assets	73,900	73,100	74,800	76,200	73,800	68,800	65,700	66,900	19,000	74,500	68,800
Loans and acceptances	51,600	51,500	52,000	50,800	50,200	49,100	47,900	49,500	17,300	51,500	49,200
Retail loans	21,800	21,600	21,700	21,300	20,900	20,400	20,000	21,000	10,400	21,600	20,600
Wholesale loans	29,800	29,900	30,300	29,500	29,300	28,700	27,900	28,500	6,900	29,900	28,600
Deposits	90,900	91,800	94,800	95,100	91,300	85,200	82,200	83,100	37,300	93,100	85,400
Attributed capital	13,300	13,450	13,700	13,400	13,000	12,900	13,000	13,000	5,850	13,450	12,950
Risk capital	6,000	5,900	5,950	5,700	5,150	4,900	4,850	4,450	1,700	5,900	4,850
Credit quality											
Gross impaired loans / Related loans and acceptances	1.04%	1.17%	1.36%	1.20%	1.41%	1.44%	1.54%	1.69%	1.03%	1.04%	1.44%
Gross impaired loans on acquired credit impaired loans / Related loans and acceptances	0.48%	0.52%	0.64%	0.68%	0.83%	1.04%	1.11%	1.29%	-	0.48%	0.85%
PCL on impaired loans / Average net loans and acceptances	0.00%	0.04%	0.12%	0.10%	0.17%	0.11%	0.06%	0.04%	0.02%	0.07%	0.10%
Net write-offs / Average net loans and acceptances	0.08%	(0.02)%	0.01%	0.04%	0.07%	0.00%	(0.01)%	0.00%	0.14%	0.03%	0.02%
Business information											
Assets under administration											
Canadian Wealth Management	359,600	343,600	349,800	336,500	326,600	318,100	303,200	296,600	297,400	359,600	326,600
U.S. Wealth Management (including City National)	442,700	412,300	427,100	395,000	394,200	389,600	362,600	389,500	356,800	442,700	394,200
Global Asset Management	6,600	6,400	6,500	6,200	6,200	6,300	5,900	5,900	5,800	6,600	6,200
International Wealth Management ⁴	120,300	111,600	147,800	141,300	148,300	136,200	139,200	160,600	163,700	120,300	148,300
Total	929,200	873,900	931,200	879,000	875,300	850,200	810,900	852,600	823,700	929,200	875,300
Assets under management											
Canadian Wealth Management	90,400	85,300	84,200	79,500	76,000	71,500	67,200	66,200	62,800	90,400	76,000
U.S. Wealth Management (including City National)	119,100	108,100	113,100	101,000	103,000	100,100	91,000	96,500	37,400	119,100	103,000
Global Asset Management ⁵	415,200	393,100	401,800	389,200	392,600	388,600	372,300	383,000	381,700	415,200	392,600
International Wealth Management	9,400	9,200	9,600	8,900	9,100	9,500	9,200	10,300	10,900	9,400	9,100
Total	634,100	595,700	608,700	578,600	580,700	569,700	539,700	556,000	492,800	634,100	580,700
Number of employees (full-time equivalent)	16,962	16,958	16,611	16,536	16,385	16,229	16,001	15,952	12,325	16,962	16,385
Other earnings measures											
Net income	491	486	431	430	396	388	386	303	255	1,838	1,473
Non-controlling interests	-	-	-	-	-	-	-	-	3	-	-
Add: After-tax effect of amortization of other intangibles ⁶	42	44	44	49	44	45	45	49	17	179	183
Adjusted net income	533	530	475	479	440	433	431	352	275	2,017	1,656
Less: Capital charge	299	304	300	303	309	310	302	308	139	1,206	1,229
Economic profit ⁷	234	226	175	176	131	123	129	44	136	811	427
(Millions of U.S. dollars)											
U.S. Wealth Management (including City National)											
Revenue	992	963	899	890	828	826	807	694	388	3,744	3,155
Assets under administration	343,200	330,500	312,900	303,500	293,900	298,500	288,900	278,100	272,900	343,200	293,900

¹ Effective Q4/17, service fees and other costs incurred in association with certain commissions and fees earned are presented on a gross basis in non-interest expense. Comparative amounts have been reclassified to conform with this presentation.

² Gains (losses) on investments in mutual funds used as economic hedges are included in revenue and related variability is included in market-linked compensation expense in our U.S. Wealth Accumulation Plan.

³ This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 50.

⁴ Amounts have been revised from those previously presented.

⁵ Excludes assets held by clients of Phillips, Hager & North Investment Management Ltd. for which we earn either a nominal or no management fee. In Q4/17, \$nil balances of these assets were excluded.

⁶ Q2/15 includes \$4 million related to the impairment of other intangibles.

⁷ This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 50.

INSURANCE (Millions of Canadian dollars, except percentage amounts)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Income Statement											
Net earned premiums ¹	1,166	1,081	879	749	698	764	837	876	933	3,875	3,175
Investment income ²	399	(120)	527	(353)	(51)	921	390	162	(343)	453	1,422
Fee income	47	48	42	101	176	133	124	121	127	238	554
Total revenue	1,612	1,009	1,448	497	823	1,818	1,351	1,159	717	4,566	5,151
Insurance policyholder benefits, claims and acquisition expense (PBCAE)	1,137	643	1,090	183	397	1,210	988	829	292	3,053	3,424
Provision for credit losses (PCL)	-	-	-	-	1	-	-	-	-	-	1
Non-interest expense	157	147	140	140	154	151	157	160	158	584	622
Income taxes	53	58	52	40	43	93	29	39	42	203	204
Net income	265	161	166	134	228	364	177	131	225	726	900
Total revenue by business											
Canadian Insurance	1,098	473	978	20	295	1,437	894	747	295	2,569	3,373
International Insurance	514	536	470	477	528	381	457	412	422	1,997	1,778
Total	1,612	1,009	1,448	497	823	1,818	1,351	1,159	717	4,566	5,151
Financial ratios											
Return on equity (ROE) ³	52.3%	37.0%	41.5%	33.7%	54.3%	75.7%	44.3%	32.4%	53.4%	41.8%	52.8%
Average balances											
Total assets	14,700	14,700	13,900	14,000	14,200	14,500	14,500	14,400	14,000	14,300	14,400
Attributed capital	2,000	1,700	1,600	1,550	1,650	1,900	1,600	1,600	1,650	1,700	1,700
Risk capital	1,800	1,550	1,450	1,400	1,500	1,750	1,450	1,450	1,500	1,550	1,550
Additional information											
Premiums and deposits ^{1,4}	1,302	1,233	1,008	1,003	1,065	1,131	1,184	1,214	1,309	4,546	4,594
Canadian Insurance	794	718	511	473	508	596	661	659	775	2,496	2,424
International Insurance	508	515	497	530	557	535	523	555	534	2,050	2,170
Fair value changes on investments backing policyholder liabilities ⁵	279	(225)	369	(481)	(172)	543	225	37	(462)	(58)	633
PBCAE											
Insurance policyholder benefits and claims	1,063	573	1,021	130	349	1,158	933	768	237	2,787	3,208
Insurance policyholder acquisition expense	74	70	69	53	48	52	55	61	55	266	216
Insurance claims and policy benefit liabilities	9,676	9,331	9,262	8,785	9,164	9,305	8,644	8,319	9,110	9,676	9,164
Embedded value	7,320	6,925	6,820	6,761	6,886	6,757	6,894	6,865	6,952	7,320	6,886
Business information											
Assets under management	1,200	1,100	1,100	1,000	1,000	900	800	800	800	1,200	1,000
Number of employees (full-time equivalent)	2,691	2,716	2,663	2,676	2,657	2,734	3,186	3,167	3,163	2,691	2,657
Other earnings measures											
Net income	265	161	166	134	228	364	177	131	225	726	900
Non-controlling interests	-	-	-	-	-	-	-	-	-	-	-
Add: After-tax effect of amortization of other intangibles	-	-	-	-	-	-	-	-	-	-	-
Adjusted net income	265	161	166	134	228	364	177	131	225	726	900
Less: Capital charge	45	39	35	35	39	46	38	37	40	154	160
Economic profit ⁶	220	122	131	99	189	318	139	94	185	572	740

¹ Premiums and deposits equals net earned premiums excluding the cost of premiums to other institutions for reinsurance coverage, plus segregated fund deposits.

² Investment income can experience volatility arising from fluctuation in the fair value through profit or loss (FVTPL) assets. The investments which support actuarial liabilities are predominantly fixed income assets designated as at FVTPL and consequently changes in fair values of these assets are recorded in Insurance premiums, investment and fee income in the consolidated statements of income. Changes in fair values of these assets are largely offset by changes in the fair value of the actuarial liabilities, the impact of which is reflected in insurance policyholder benefits and claims.

³ This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 50.

⁴ Premiums and deposits include premiums on risk-based insurance and annuity products, and individual and group segregated fund deposits, consistent with insurance industry practices.

⁵ The revenue impact of the change in fair value on investments backing policyholder liabilities is reflected in Insurance premiums, investment and fee income and largely offset in PBCAE.

⁶ This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 50.

INVESTOR & TREASURY SERVICES (Millions of Canadian dollars, except percentage amounts)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Income Statement											
Net interest income	128	141	173	237	214	195	190	226	220	679	825
Non-interest income ¹	474	453	435	394	390	382	350	324	228	1,756	1,446
Total revenue	602	594	608	631	604	577	540	550	448	2,435	2,271
Provision for credit losses (PCL)	-	-	-	-	(3)	-	-	-	-	-	(3)
Non-interest expense	397	364	355	350	379	368	352	361	342	1,466	1,460
Income taxes	49	52	60	67	54	52	49	46	18	228	201
Net income	156	178	193	214	174	157	139	143	88	741	613
Financial ratios											
Return on equity (ROE) ²	19.2%	21.9%	24.6%	25.1%	21.0%	18.2%	16.5%	15.9%	10.9%	22.7%	17.9%
Average balances											
Total assets	138,400	138,700	133,100	141,800	142,400	143,200	144,800	139,700	135,400	138,100	142,500
Trading securities	34,700	37,200	38,000	43,100	46,400	46,400	47,100	51,500	52,000	38,300	47,800
Loans and acceptances	2,300	2,200	2,000	1,900	1,700	1,800	1,700	1,800	1,800	2,100	1,700
Deposits	142,600	132,000	127,900	128,500	124,400	123,200	138,100	151,700	149,500	132,800	134,300
Client deposits	56,600	55,600	52,900	52,500	50,900	53,000	53,900	53,600	56,500	54,400	52,800
Wholesale funding deposits	86,000	76,400	75,000	76,000	73,500	70,200	84,200	98,100	93,000	78,400	81,500
Attributed capital	3,150	3,150	3,150	3,300	3,200	3,350	3,350	3,450	3,100	3,200	3,350
Risk capital	2,650	2,650	2,650	2,850	2,750	2,850	2,850	2,950	2,600	2,700	2,850
Business information											
Assets under administration	4,266,600	4,251,300	4,111,400	3,797,000	3,929,400	3,724,300	3,617,700	3,807,300	3,620,300	4,266,600	3,929,400
Number of employees (full-time equivalent)	4,771	4,783	4,751	4,781	4,776	4,958	4,926	4,914	4,774	4,771	4,776
Other earnings measures											
Net income (loss)	156	178	193	214	174	157	139	143	88	741	613
Non-controlling interests	-	-	(1)	-	-	(1)	-	-	-	(1)	(1)
Add: After-tax effect of amortization of other intangibles and goodwill impairment	4	3	4	4	4	5	4	3	5	15	16
Adjusted net income	160	181	196	218	178	161	143	146	93	755	628
Less: Capital charge	72	70	69	75	77	80	77	82	73	286	316
Economic profit (loss) ³	88	111	127	143	101	81	66	64	20	469	312

¹ In Q3/15, the reporting period for Investor Services was aligned to that of RBC, which resulted in an additional month of earnings. The net impact of the additional month was recorded in revenue (\$42 million before-tax, \$28 million after-tax).

² This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 50.

³ This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 50.

CAPITAL MARKETS (Millions of Canadian dollars, except percentage amounts)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Income Statement											
Net interest income (teb)	851	845	922	947	857	892	993	1,062	1,098	3,565	3,804
Non-interest income (teb) ¹	1,103	1,195	1,195	1,124	1,036	1,195	997	918	639	4,617	4,146
Total revenue (teb)	1,954	2,040	2,117	2,071	1,893	2,087	1,990	1,980	1,737	8,182	7,950
Provision for credit losses (PCL)	(38)	44	24	32	51	33	123	120	36	62	327
Non-interest expense	1,222	1,199	1,173	1,125	1,151	1,160	1,080	1,075	1,072	4,719	4,466
Income taxes	186	186	252	252	209	259	204	215	74	876	887
Net income	584	611	668	662	482	635	583	570	555	2,525	2,270
Total revenue by business											
Corporate and Investment Banking	1,049	995	1,020	936	976	956	892	870	847	4,000	3,694
Global Markets	976	1,134	1,162	1,194	978	1,148	1,125	1,110	935	4,466	4,361
Other	(71)	(89)	(65)	(59)	(61)	(17)	(27)	-	(45)	(284)	(105)
Total	1,954	2,040	2,117	2,071	1,893	2,087	1,990	1,980	1,737	8,182	7,950
Financial ratios											
Return on equity (ROE) ²	12.4 %	11.9 %	14.2 %	13.3 %	10.4 %	14.2 %	12.1 %	12.3 %	12.3 %	12.9 %	12.2 %
Total compensation to revenue ³	37.0 %	38.0 %	35.4 %	35.6 %	36.1 %	34.6 %	34.3 %	34.9 %	33.3 %	36.6 %	34.9 %
Average balances											
Total assets	490,600	494,000	499,600	493,600	496,700	514,500	502,600	518,800	500,200	494,400	508,200
Trading securities	86,500	86,800	95,000	98,900	105,300	104,600	100,700	108,900	111,900	91,800	104,900
Loans and acceptances	83,000	83,100	83,600	83,800	85,500	87,400	89,600	89,700	85,900	83,400	88,100
Deposits	62,800	59,500	59,900	58,700	59,200	61,600	62,200	63,100	63,200	60,200	61,500
Attributed capital	18,050	19,550	18,700	19,100	17,600	17,200	18,850	17,900	17,350	18,850	17,900
Risk capital	16,600	18,200	17,650	18,000	16,500	16,100	17,800	16,800	16,250	17,600	16,800
Credit quality											
Gross impaired loans / Related loans and acceptances	0.63 %	0.94 %	1.18 %	1.66 %	1.78 %	1.53 %	1.38 %	0.52 %	0.34 %	0.63 %	1.73 %
PCL on impaired loans / Average net loans and acceptances	(0.18)%	0.21 %	0.12 %	0.15 %	0.24 %	0.15 %	0.56 %	0.53 %	0.17 %	0.07 %	0.37 %
Net write-offs / Average net loans and acceptances	0.23 %	0.06 %	0.12 %	(0.08)%	0.01 %	0.50 %	0.00 %	0.16 %	0.12 %	0.09 %	0.17 %
Business information											
Assets under administration	12,700	12,300	13,800	13,600	14,600	13,900	13,400	16,100	15,600	12,700	14,600
Number of employees (full-time equivalent)	3,970	4,188	3,758	3,817	3,883	4,132	3,824	3,948	3,996	3,970	3,883
Other earnings measures											
Net income	584	611	668	662	482	635	583	570	555	2,525	2,270
Non-controlling interests	-	-	-	-	-	-	-	-	-	-	-
Add: After-tax effect of amortization of other intangibles	-	-	-	-	(1)	1	-	-	(1)	-	-
Adjusted net income	584	611	668	662	481	636	583	570	554	2,525	2,270
Less: Capital charge	407	441	410	432	419	412	441	422	410	1,690	1,694
Economic profit (loss) ⁴	177	170	258	230	62	224	142	148	144	835	576

¹ Non-interest income is adjusted for teb commencing Q2/16.

² This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 50.

³ Total compensation to revenue ratio is calculated as total human resources non-interest expense / total revenue (teb) for Front Office personnel and for functional support teams (Technology, Operations, and Functions). Total human resources non-interest expense includes salary, benefits, stock based compensation, severance, retention costs, and variable compensation.

⁴ This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 50.

CORPORATE SUPPORT (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Income Statement											
Net interest income (teb)	(21)	(28)	(40)	(50)	(48)	(58)	(151)	(133)	(205)	(139)	(390)
Non-interest income (teb) ¹	(205)	(44)	-	(64)	(78)	(139)	(18)	33	20	(313)	(202)
Total revenue (teb)	(226)	(72)	(40)	(114)	(126)	(197)	(169)	(100)	(185)	(452)	(592)
Provision for (recovery of) credit losses (PCL)	2	(3)	1	-	(1)	-	51	1	(2)	-	51
Non-interest expense	62	92	62	22	(2)	8	14	10	41	238	30
Income taxes	(227)	(122)	(94)	(131)	(111)	(234)	(225)	(121)	(424)	(574)	(691)
Net income (loss)	(63)	(39)	(9)	(5)	(12)	29	(9)	10	200	(116)	18
Additional information											
teb adjustment	(225)	(107)	(97)	(119)	(115)	(267)	(203)	(151)	(213)	(548)	(736)
Average balances											
Total assets	35,000	31,300	28,100	28,200	25,200	24,100	24,200	23,900	23,200	30,600	24,300
Attributed capital	8,900	7,400	8,100	7,950	9,300	8,050	7,000	6,750	10,800	8,100	7,750
Other earnings measures											
Net income (loss)	(63)	(39)	(9)	(5)	(12)	29	(9)	10	200	(116)	18
Non-controlling interests	(9)	(9)	(8)	(9)	(9)	(7)	(9)	(19)	(25)	(35)	(44)
Add: After-tax effect of amortization of other intangibles	1	-	-	-	3	(4)	1	1	2	1	1
Adjusted net (loss) income	(71)	(48)	(17)	(14)	(18)	18	(17)	(8)	177	(150)	(25)
Less: Capital charge	200	167	177	178	221	194	164	159	253	722	738
Economic profit (loss) ²	(271)	(215)	(194)	(192)	(239)	(176)	(181)	(167)	(76)	(872)	(763)

¹ Non-interest income is adjusted for teb commencing Q2/16.

² This is a non-GAAP measure. For further information, refer to the Key performance and non-GAAP measures section on page 50.

BALANCE SHEETS (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Period-end balances											
ASSETS											
Cash and due from banks	28,407	24,302	30,518	25,363	14,929	19,501	14,845	17,050	12,452	28,407	14,929
Interest-bearing deposits with banks	32,662	36,098	25,875	22,380	27,851	22,008	29,229	24,636	22,690	32,662	27,851
Securities											
Trading	127,657	128,740	132,370	142,192	151,292	157,446	151,952	161,442	158,703	127,657	151,292
Available-for-sale	90,722	85,430	87,035	82,635	84,801	76,552	72,419	72,269	56,805	90,722	84,801
	218,379	214,170	219,405	224,827	236,093	233,998	224,371	233,711	215,508	218,379	236,093
Assets purchased under reverse repurchase agreements and securities borrowed	220,977	208,669	216,931	197,285	186,302	200,430	184,825	196,295	174,723	220,977	186,302
Loans											
Retail	385,170	379,869	374,168	370,161	369,470	364,476	359,863	360,763	348,183	385,170	369,470
Wholesale	159,606	156,401	160,352	154,088	154,369	153,521	150,602	157,592	126,069	159,606	154,369
	544,776	536,270	534,520	524,249	523,839	517,997	510,465	518,355	474,252	544,776	523,839
Allowance for loan losses	(2,159)	(2,236)	(2,258)	(2,239)	(2,235)	(2,177)	(2,271)	(2,169)	(2,029)	(2,159)	(2,235)
	542,617	534,034	532,262	522,010	521,604	515,820	508,194	516,186	472,223	542,617	521,604
Segregated fund net assets	1,216	1,077	1,096	1,021	981	933	882	839	830	1,216	981
Other											
Customers' liability under acceptances	16,459	15,246	14,499	13,959	12,843	13,152	13,844	12,882	13,453	16,459	12,843
Derivatives	95,023	105,833	100,763	97,419	118,944	130,462	115,298	132,560	105,626	95,023	118,944
Premises and equipment, net	2,670	2,646	2,754	2,746	2,836	2,872	2,970	3,084	2,728	2,670	2,836
Goodwill	10,977	10,733	11,352	10,967	11,156	11,254	11,200	12,016	9,289	10,977	11,156
Other intangibles	4,507	4,421	4,640	4,537	4,648	4,605	4,526	4,872	2,814	4,507	4,648
Other assets	38,959	43,818	42,824	39,252	42,071	43,840	40,173	46,221	41,872	38,959	42,071
Total Assets	1,212,853	1,201,047	1,202,919	1,161,766	1,180,258	1,198,875	1,150,357	1,200,352	1,074,208	1,212,853	1,180,258
LIABILITIES AND EQUITY											
Deposits											
Personal	260,213	254,559	259,319	253,106	250,550	250,128	243,882	239,190	220,566	260,213	250,550
Business and government	505,665	501,282	498,231	481,577	488,007	480,896	479,821	510,231	455,578	505,665	488,007
Bank	23,757	22,777	28,033	22,829	19,032	23,391	17,751	20,147	21,083	23,757	19,032
	789,635	778,618	785,583	757,512	757,589	754,415	741,454	769,568	697,227	789,635	757,589
Segregated fund net liabilities	1,216	1,077	1,096	1,021	981	933	882	839	830	1,216	981
Other											
Acceptances	16,459	15,246	14,499	13,959	12,843	13,152	13,844	12,882	13,453	16,459	12,843
Obligations related to securities sold short	30,008	40,512	37,331	37,969	50,369	46,679	47,121	51,931	47,658	30,008	50,369
Obligations related to assets sold under repurchase agreements and securities loaned	143,084	121,980	127,955	123,474	103,441	118,283	96,574	99,310	83,288	143,084	103,441
Derivatives	92,127	104,203	99,031	95,646	116,550	128,533	116,479	132,023	107,860	92,127	116,550
Insurance claims and policy benefit liabilities	9,676	9,331	9,262	8,785	9,164	9,305	8,644	8,319	9,110	9,676	9,164
Other liabilities	46,955	48,019	45,348	41,762	47,947	47,974	47,669	45,738	43,476	46,955	47,947
Subordinated debentures	9,265	9,200	9,646	9,487	9,762	9,765	9,564	9,854	7,362	9,265	9,762
	1,138,425	1,128,186	1,129,751	1,089,615	1,108,646	1,129,039	1,082,231	1,130,464	1,010,264	1,138,425	1,108,646
Equity attributable to shareholders											
Preferred shares	6,413	6,713	6,712	6,713	6,713	6,712	6,713	6,204	5,098	6,413	6,713
Common shares	17,703	17,871	17,707	17,865	17,859	17,775	17,796	17,862	14,611	17,703	17,859
Retained earnings	45,359	44,479	42,538	42,996	41,519	40,424	39,590	38,856	37,811	45,359	41,519
Other components of equity	4,354	3,211	5,613	3,992	4,926	4,342	3,439	6,393	4,626	4,354	4,926
	73,829	72,274	72,570	71,566	71,017	69,253	67,538	69,315	62,146	73,829	71,017
Non-controlling interests	599	587	598	585	595	583	588	573	1,798	599	595
	74,428	72,861	73,168	72,151	71,612	69,836	68,126	69,888	63,944	74,428	71,612
Total Liabilities and Equity	1,212,853	1,201,047	1,202,919	1,161,766	1,180,258	1,198,875	1,150,357	1,200,352	1,074,208	1,212,853	1,180,258

SELECTED AVERAGE BALANCE SHEET ITEMS ¹ (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Securities	217,300	217,500	225,300	234,700	239,300	234,200	225,300	240,200	233,600	223,700	234,800
Assets purchased under reverse repurchase agreements and securities borrowed	208,600	208,800	209,500	197,200	190,300	191,300	191,800	191,500	173,000	206,000	191,200
Total loans ²	538,600	532,800	526,400	522,200	519,100	514,200	510,700	511,900	468,400	530,000	514,000
Retail ²	382,500	376,700	371,900	370,800	367,300	363,200	359,500	360,700	346,400	375,500	362,700
Wholesale ²	158,300	158,300	156,700	153,700	153,900	153,300	153,400	153,300	124,000	156,800	153,500
Customers' liability under acceptances	15,800	14,900	14,100	13,400	12,800	13,400	13,500	13,300	13,000	14,600	13,200
Average earning assets	1,007,500	1,000,200	997,700	990,500	981,900	973,400	960,900	976,300	900,700	999,000	973,200
Derivatives	97,700	99,000	94,900	107,600	113,400	129,900	122,900	120,400	118,600	99,900	121,600
Total assets	1,195,600	1,188,800	1,181,000	1,180,800	1,175,400	1,184,300	1,166,500	1,179,300	1,096,100	1,186,600	1,176,400
Deposits	781,900	770,000	766,800	762,400	751,500	743,000	743,700	760,200	698,500	770,300	749,600
Common equity	65,900	65,750	64,800	64,650	63,100	61,800	62,400	61,450	55,800	65,300	62,200
Total equity	73,100	73,100	72,100	71,900	70,400	69,100	69,500	68,700	62,600	72,600	69,400

ASSETS UNDER ADMINISTRATION AND MANAGEMENT ³ (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Assets under administration											
Institutional	4,411,000	4,387,700	4,258,600	3,937,200	4,077,300	3,859,800	3,757,200	3,957,000	3,776,100	4,411,000	4,077,300
Personal	907,100	854,000	882,000	833,100	819,500	804,700	759,900	788,800	754,300	907,100	819,500
Retail mutual funds	155,200	148,300	173,900	164,300	162,100	159,200	152,900	152,200	152,700	155,200	162,100
Total assets under administration	5,473,300	5,390,000	5,314,500	4,934,600	5,058,900	4,823,700	4,670,000	4,898,000	4,683,100	5,473,300	5,058,900
Assets under management											
Institutional	216,000	204,100	212,800	210,800	218,000	201,600	194,800	212,400	193,500	216,000	218,000
Personal	216,200	200,900	201,200	184,900	182,900	175,800	162,900	163,800	132,100	216,200	182,900
Retail mutual funds	207,700	196,200	200,600	188,400	185,400	197,600	187,200	185,300	172,800	207,700	185,400
Total assets under management	639,900	601,200	614,600	584,100	586,300	575,000	544,900	561,500	498,400	639,900	586,300

STATEMENTS OF COMPREHENSIVE INCOME (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Net income	2,837	2,796	2,809	3,027	2,543	2,895	2,573	2,447	2,593	11,469	10,458
Other comprehensive income (loss), net of taxes											
Items that will be reclassified subsequently to income:											
Net change in unrealized gains (losses) on available-for-sale securities											
Net unrealized gains (losses) on available-for-sale securities	68	67	128	(129)	(92)	96	50	19	(176)	134	73
Reclassification of net losses (gains) on available-for-sale securities to income	(20)	(27)	(37)	(12)	-	5	(18)	(35)	(12)	(96)	(48)
	48	40	91	(141)	(92)	101	32	(16)	(188)	38	25
Foreign currency translation adjustments											
Unrealized foreign currency translation gains (losses)	1,702	(4,405)	2,595	(1,462)	979	1,301	(5,152)	3,019	(97)	(1,570)	147
Net foreign currency translation gains (losses) from hedging activities	(638)	1,538	(1,005)	543	(305)	(426)	2,016	(1,172)	57	438	113
Reclassification of losses (gains) on foreign currency translation to income	-	-	-	(10)	-	-	-	-	(42)	(10)	-
Reclassification of losses (gains) on net investment hedging activities to income	-	-	-	-	-	-	-	-	42	-	-
	1,064	(2,867)	1,590	(929)	674	875	(3,136)	1,847	(40)	(1,142)	260
Net change in cash flow hedges											
Net gains (losses) on derivatives designated as cash flow hedges	27	585	(86)	96	(56)	(120)	230	(89)	41	622	(35)
Reclassification of losses (gains) on derivatives designated as cash flow hedges to income	7	(167)	31	37	60	50	(88)	30	54	(92)	52
	34	418	(55)	133	4	(70)	142	(59)	95	530	17
Items that will not be reclassified subsequently to income:											
Remeasurements of employee benefit plans	(42)	510	(275)	597	25	(432)	(216)	(454)	456	790	(1,077)
Net fair value change due to credit risk on financial liabilities designated as at fair value through profit or loss	(58)	(20)	(212)	(33)	(90)	(87)	(265)	120	189	(323)	(322)
	(100)	490	(487)	564	(65)	(519)	(481)	(334)	645	467	(1,399)
Total other comprehensive income (loss), net of taxes	1,046	(1,919)	1,139	(373)	521	387	(3,443)	1,438	512	(107)	(1,097)
Total comprehensive income (loss)	3,883	877	3,948	2,654	3,064	3,282	(870)	3,885	3,105	11,362	9,361
Total comprehensive income (loss) attributable to:											
Shareholders	3,872	871	3,935	2,645	3,052	3,270	(875)	3,859	3,080	11,323	9,306
Non-controlling interests	11	6	13	9	12	12	5	26	25	39	55
	3,883	877	3,948	2,654	3,064	3,282	(870)	3,885	3,105	11,362	9,361

¹ Calculated using methods intended to approximate the average of the daily balances for the period, as applicable.

² Average total loans are reported net of allowance for loan losses. Average retail and wholesale balances are reported on a gross basis (before deducting allowance for loan losses).

³ To be read in conjunction with the Segment pages.

STATEMENTS OF CHANGES IN EQUITY (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Preferred shares											
Balance at beginning of period	6,713	6,713	6,713	6,713	6,713	6,713	6,205	5,100	4,950	6,713	5,100
Issued	-	-	-	-	-	-	750	1,105	150	-	1,855
Redeemed	(300)	-	-	-	-	-	-	-	-	(300)	-
Purchased for cancellation	-	-	-	-	-	-	(242)	-	-	-	(242)
Balance at end of period	6,413	6,713	6,713	6,713	6,713	6,713	6,713	6,205	5,100	6,413	6,713
Common shares											
Balance at beginning of period	17,759	17,717	17,898	17,939	17,876	17,883	17,774	14,573	14,561	17,939	14,573
Issued	39	42	50	96	74	38	109	3,201	12	227	3,422
Purchased for cancellation	(68)	-	(231)	(137)	(11)	(45)	-	-	-	(436)	(56)
Balance at end of period	17,730	17,759	17,717	17,898	17,939	17,876	17,883	17,774	14,573	17,730	17,939
Treasury shares - preferred											
Balance at beginning of period	-	(1)	-	-	(1)	-	(1)	(2)	-	-	(2)
Sales	48	38	23	21	28	40	64	40	20	130	172
Purchases	(48)	(37)	(24)	(21)	(27)	(41)	(63)	(39)	(22)	(130)	(170)
Balance at end of period	-	-	(1)	-	-	(1)	-	(1)	(2)	-	-
Treasury shares - common											
Balance at beginning of period	112	(10)	(33)	(80)	(101)	(87)	88	38	37	(80)	38
Sales	1,000	1,099	1,124	1,191	1,056	1,503	1,425	989	935	4,414	4,973
Purchases	(1,139)	(977)	(1,101)	(1,144)	(1,035)	(1,517)	(1,600)	(939)	(934)	(4,361)	(5,091)
Balance at end of period	(27)	112	(10)	(33)	(80)	(101)	(87)	88	38	(27)	(80)
Retained earnings											
Balance at beginning of period	44,479	42,538	42,996	41,519	40,424	39,590	38,856	37,811	35,795	41,519	37,811
Net income attributable to shareholders	2,829	2,783	2,801	3,015	2,533	2,886	2,560	2,426	2,569	11,428	10,405
Other comprehensive income	(100)	490	(487)	564	(65)	(519)	(481)	(334)	645	467	(1,399)
Preferred share dividends	(72)	(76)	(77)	(75)	(75)	(85)	(74)	(60)	(54)	(300)	(294)
Common share dividends	(1,324)	(1,269)	(1,271)	(1,232)	(1,232)	(1,202)	(1,206)	(1,175)	(1,141)	(5,096)	(4,817)
Premium paid on common shares purchased for cancellation	(454)	-	(1,406)	(814)	(59)	(247)	-	-	-	(2,674)	(306)
Premium paid on preferred shares purchased for cancellation	-	-	-	-	-	-	(22)	-	-	-	(22)
Share-based compensation awards	(9)	(6)	(13)	(12)	(12)	(10)	(26)	(6)	(1)	(40)	(54)
Issuance costs	-	-	(1)	-	-	-	(9)	(7)	(3)	(1)	(16)
Other	10	19	(4)	31	7	11	(8)	201	1	56	211
Balance at end of period	45,359	44,479	42,538	42,996	41,519	40,424	39,590	38,856	37,811	45,359	41,519
Other components of equity											
Unrealized gains and losses on available-for-sale securities	378	330	290	199	340	432	331	299	315	378	340
Unrealized foreign currency translation gains and losses, net of hedging activities	3,545	2,484	5,344	3,759	4,685	4,013	3,141	6,269	4,427	3,545	4,685
Gains and losses on derivatives designated as cash flow hedges	431	397	(21)	34	(99)	(103)	(33)	(175)	(116)	431	(99)
Balance at end of period	4,354	3,211	5,613	3,992	4,926	4,342	3,439	6,393	4,626	4,354	4,926
Total retained earnings and other components of equity	49,713	47,690	48,151	46,988	46,445	44,766	43,029	45,249	42,437	49,713	46,445
	73,829	72,274	72,570	71,566	71,017	69,253	67,538	69,315	62,146	73,829	71,017
Non-controlling interests											
Balance at beginning of period	587	598	585	595	583	588	573	1,798	1,795	595	1,798
Dividends	-	(17)	-	(17)	-	(17)	-	(46)	-	(34)	(63)
Net income attributable to Non-controlling interests	8	13	8	12	10	9	13	21	24	41	53
Foreign currency translation adjustments	3	(7)	5	(3)	2	3	(8)	5	1	(2)	2
Redemption of trust capital securities	-	-	-	-	-	-	-	(1,200)	-	-	(1,200)
Other	1	-	-	(2)	-	-	10	(5)	(22)	(1)	5
Balance at end of period	599	587	598	585	595	583	588	573	1,798	599	595
Total equity	74,428	72,861	73,168	72,151	71,612	69,836	68,126	69,888	63,944	74,428	71,612

SECURITIZATION OF OUR FINANCIAL ASSETS (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Credit card loans ¹											
Opening balance	8,589	10,314	8,978	10,420	10,094	11,379	10,839	8,314	9,048	10,420	8,314
Securitized	711	-	3,003	-	987	-	1,084	2,525	-	3,714	4,596
Reversal of prior securitizations	(524)	(1,725)	(1,667)	(1,442)	(661)	(1,285)	(544)	-	(734)	(5,358)	(2,490)
Closing balance	8,776	8,589	10,314	8,978	10,420	10,094	11,379	10,839	8,314	8,776	10,420
Commercial mortgages ¹											
Opening balance	967	1,060	1,180	1,297	1,115	852	977	1,080	1,268	1,297	1,080
Securitized	407	-	-	-	278	401	-	-	-	407	679
Amortization	(8)	(93)	(120)	(117)	(96)	(138)	(125)	(103)	(188)	(338)	(462)
Closing balance	1,366	967	1,060	1,180	1,297	1,115	852	977	1,080	1,366	1,297
Bond participation certificates - sold											
Opening balance	58	68	75	81	94	99	140	138	326	81	138
Sold	-	-	-	-	-	-	-	-	-	-	-
Other ²	(9)	(10)	(7)	(6)	(13)	(5)	(41)	2	(188)	(32)	(57)
Closing balance	49	58	68	75	81	94	99	140	138	49	81
Total exposures securitized	10,191	9,614	11,442	10,233	11,798	11,303	12,330	11,956	9,532	10,191	11,798

¹ Amounts include assets that we have securitized but continue to service.

² Other primarily relates to foreign exchange translation gains and losses. For bond participation certificates, maturity of bonds is also included in this category.

SECURITIZATION SUBJECT TO EARLY AMORTIZATION SELLER'S INTEREST (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15
Our financial assets ¹									
Credit cards									
Total drawn	2,838	3,187	1,440	2,680	1,853	1,959	1,361	1,523	1,563
Capital charges drawn	119	132	61	115	80	84	60	67	67
Capital charges undrawn	113	126	84	159	106	111	79	87	93
Credit card loans securitized									
Past due ²	71	67	78	81	75	79	84	81	61
Net write-offs	45	52	56	51	56	63	64	51	40

OFF-BALANCE SHEET ARRANGEMENTS OUTSTANDING SECURITIZED ASSETS (Millions of Canadian dollars, except percentage amounts)	Q4/17			Q3/17			Q2/17			Q1/17		
	Securitized exposures ³	Annualized average net loss rate ^{4,5}	Average coverage multiple of average net losses ^{4,5}	Securitized exposures ³	Annualized average net loss rate ^{4,5}	Average coverage multiple of average net losses ^{4,5}	Securitized exposures ³	Annualized average net loss rate ^{4,5}	Average coverage multiple of average net losses ^{4,5}	Securitized exposures ³	Annualized average net loss rate ^{4,5}	Average coverage multiple of average net losses ^{4,5}
Asset-backed securities	371	-	-	359	-	-	394	0.00%	-	379	0.00%	-
Auto loans and leases	16,783	0.37%	74	16,794	0.33%	81	17,189	0.34%	81	15,531	0.30%	95
Consumer loans ⁵	1,634	2.54%	14	1,676	2.46%	13	1,927	2.32%	12	1,997	1.78%	15
Credit cards	5,745	4.43%	12	7,071	3.99%	12	8,018	3.77%	13	7,762	3.72%	13
Dealer floor plan receivables	2,064	0.23%	>100	2,071	0.21%	>100	2,176	0.24%	>100	2,117	0.16%	>100
Equipment receivables	1,809	0.41%	59	1,749	0.44%	51	1,915	0.60%	41	1,825	0.48%	44
Fleet finance receivables	1,294	0.04%	>100	1,276	0.06%	>100	1,456	0.03%	>100	1,418	0.04%	>100
Insurance premiums	336	0.12%	>100	163	0.21%	>100	163	0.21%	>100	163	0.36%	63
Residential mortgages	1,377	-	-	1,377	-	-	1,122	-	-	1,122	-	-
Student loans	2,253	1.00%	88	2,454	0.90%	>100	2,990	0.86%	>100	2,920	0.83%	>100
Trade receivables	3,042	0.29%	80	2,687	0.12%	>100	2,940	0.29%	83	2,921	0.09%	>100
Transportation finance	1,914	-	-	1,959	-	-	2,314	-	-	1,505	-	-
Total off-balance sheet arrangements outstanding securitized assets	38,622			39,636			42,604			39,660		

¹ Amounts reported are based on regulatory securitization reporting requirements as it includes our credit card loans. It excludes our Canadian residential mortgages under the National Housing Act MBS (NHA MBS) program, which also encompasses our Canadian social housing mortgages. These amounts differ from, and are not directly comparable to amounts reported in our 2017 Annual Report due to the differences between IFRS accounting and regulatory consolidation.

² Amounts represent credit card loans securitized greater than 90 days past due.

³ Comprised of multi-seller asset-backed commercial paper conduit programs. The outstanding securitized assets reflect our maximum exposure to loss for liquidity and credit facilities only, and excludes derivative transactions with RBC. Of the outstanding securitized assets, 100% of these are internally rated as investment grade.

⁴ Average annual net loss rates reflect impaired/past due assets. In our conduit programs, our risk of loss is significantly reduced due to the presence of first loss credit protection provided by the sellers of the financial assets. This protection provides an average coverage multiple as disclosed above, representing the number of times the credit enhancement provided by others, would cover losses. Refer to our 2017 Annual Report for a detailed discussion on credit protection and other factors, including additional credit enhancements which reduce our risk of loss.

⁵ Amounts are reported on a two-month lag.

SECURITIZATION AND RESECURITIZATION EXPOSURES RETAINED OR PURCHASED ^{1, 2, 3} (Millions of Canadian dollars)	Q4/17		Q3/17		Q2/17		Q1/17	
	Banking book	Trading book	Banking book	Trading book	Banking book	Trading book	Banking book	Trading book
Securitization exposures retained or purchased								
Asset-backed securities	4,873	830	4,396	471	4,379	352	3,719	504
Auto loans and leases	17,610	293	17,155	295	18,325	253	16,722	153
Commercial mortgages	99	2,986	229	1,041	-	745	-	826
Consumer loans	3,386	-	3,388	-	3,221	-	3,597	-
Credit cards	9,750	98	10,858	95	12,010	61	12,593	117
Dealer floor plan receivables	2,067	-	2,076	-	2,183	-	2,119	-
Equipment receivables	2,311	22	2,150	11	2,314	7	2,225	4
Residential mortgages	5,054	1,350	4,779	1,400	4,452	1,487	4,289	1,693
Student loans	5,911	18	6,092	3	7,237	11	7,569	3
Trade receivables	2,780	-	2,432	-	2,668	-	2,717	-
Other	4,572	310	3,923	231	4,744	281	3,718	155
Total securitization and resecuritization exposures retained or purchased	58,413	5,907	57,478	3,547	61,533	3,197	59,268	3,455

SECURITIZATION AND RESECURITIZATION EXPOSURES RETAINED OR PURCHASED ^{1, 2, 3, 4} (Millions of Canadian dollars)	Q4/17						Q4/17			
	Banking book			Internal assessment approach			Trading book			
	Standardized approach		Rating based approach		Total		Standardized approach			
	Exposure	Capital charges	Exposure	Capital charges	Exposure	Capital charges	Exposure	Capital charges		
≤ 10%	-	-	6,153	35	34,074	202	40,227	237	4,252	24
> 10% ≤ 20%	5,295	80	1,699	22	7,215	73	14,209	175	1,522	23
> 20% ≤ 50%	342	10	267	9	496	16	1,105	35	12	-
> 50% ≤ 100%	28	2	-	-	1,636	85	1,664	87	65	5
> 100% ≤ 650%	1,164	98	-	-	-	-	1,164	98	46	23
> 650% < 1250%	-	-	-	-	-	-	-	-	-	-
1250%	-	-	44	44	-	-	44	44	10	10
Total securitization and resecuritization exposures retained or purchased	6,829	190	8,163	110	43,421	376	58,413	676	5,907	85

SECURITIZATION AND RESECURITIZATION EXPOSURES RETAINED OR PURCHASED ^{1, 2, 3, 4} (Millions of Canadian dollars)	Q3/17		Q3/17		Q2/17		Q2/17		Q1/17		Q1/17	
	Banking book		Trading book		Banking book		Trading book		Banking book		Trading book	
	Exposure	Capital charges	Exposure	Capital charges	Exposure	Capital charges	Exposure	Capital charges	Exposure	Capital charges	Exposure	Capital charges
≤ 10%	40,070	237	2,529	14	42,018	248	2,497	14	39,932	235	2,922	16
> 10% ≤ 20%	13,501	166	882	13	15,470	189	549	8	15,547	188	412	6
> 20% ≤ 50%	1,077	34	37	1	808	26	11	-	460	15	19	1
> 50% ≤ 100%	1,651	87	25	2	1,870	98	24	2	2,025	106	35	3
> 100% ≤ 650%	1,126	97	54	23	1,301	111	90	41	1,240	108	44	17
> 650% < 1250%	-	-	-	-	-	-	-	-	-	-	-	-
1250%	53	53	20	20	66	66	26	26	64	64	22	22
Total securitization and resecuritization exposures retained or purchased	57,478	674	3,547	73	61,533	738	3,197	91	59,268	716	3,454	65

RESECURITIZATION EXPOSURES RETAINED OR PURCHASED ^{1, 2, 3} (Millions of Canadian dollars)	Q4/17		Q3/17		Q2/17		Q1/17	
	Banking book	Trading book	Banking book	Trading book	Banking book	Trading book	Banking book	Trading book
AAA to AA-	496	-	468	-	446	-	227	-
A+ to A-	1,636	-	1,596	-	1,721	-	1,871	-
BBB+ to BB	-	-	-	-	-	-	-	-
BB- and below	-	-	-	-	-	-	-	-
Unrated	-	-	-	-	-	-	-	-
Total resecuritization exposures retained or purchased	2,132	-	2,064	-	2,167	-	2,098	-

¹ The amounts reported are based on the regulatory securitization reporting requirements. It includes our credit card loans. It excludes our Canadian residential mortgages under the NHA MBS program which also encompass our Canadian social housing mortgages. These amounts differ from, and are not directly comparable to amounts reported in our 2017 Annual Report due to the differences between IFRS accounting and regulatory consolidation. For Q4/17, \$5 million of Canadian social housing mortgages have been excluded.

² Amounts reflect regulatory exposure values.

³ Securitization exposures include securities, liquidity facilities, protection provided to securitization positions, other commitments and credit enhancements.

⁴ Capital charges for Standardized approach deductions are net of ACL and partial write-offs. Capital charges for Rating based approach and internal assessment approach are gross of ACL and partial write-offs.

BASEL III REGULATORY CAPITAL AND RATIOS (ALL-IN BASIS) *continued*
(Millions of Canadian dollars, except percentage and otherwise noted)

Capital ratios

61	Common Equity Tier 1 (as a percentage of risk-weighted assets)
62	Tier 1 (as a percentage of risk-weighted assets)
63	Total capital (as a percentage of risk-weighted assets)
64	Buffer requirement (minimum CET1 requirement plus capital conservation buffer plus G-SIB buffer requirement plus D-SIB buffer requirement expressed as a percentage of risk-weighted assets)
65	of which: capital conservation buffer requirement
66	Buffer requirements ⁽¹⁾
67	of which: G-SIB buffer requirement
67a	of which: D-SIB buffer requirement
68	Common Equity Tier 1 available to meet buffers (as a percentage of risk-weighted assets)

OSFI all-in target (minimum + capital conservation buffer + D-SIB surcharge (if applicable))

69	Common Equity Tier 1 all-in target ratio
70	Tier 1 capital all-in target ratio
71	Total capital all-in target ratio

Amounts below the thresholds for deduction (before risk-weighting)

72	Non-significant investments in the capital of other financials
73	Significant investments in the common stock of financials
74	Mortgage servicing rights (net of related tax liability)
75	Deferred tax assets arising from temporary differences (net of related tax liability)

Applicable caps on the inclusion of allowances in Tier 2

76	Allowances eligible for inclusion in Tier 2 in respect of exposures subject to standardized approach (prior to application of cap)
77	Cap on inclusion of allowances in Tier 2 under standardized approach
78	Allowances eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings-based approach (prior to application of cap)
79	Cap on inclusion of allowances in Tier 2 under internal ratings-based approach

Capital instruments subject to phase-out arrangements (only applicable between 1 Jan 2013 and 1 Jan 2022)

80	Current cap on CET1 instruments subject to phase out arrangements
81	Amounts excluded from CET1 due to cap (excess over cap after redemptions and maturities)
82	Current cap on AT1 instruments subject to phase out arrangements
83	Amounts excluded from AT1 due to cap (excess over cap after redemptions and maturities)
84	Current cap on T2 instruments subject to phase out arrangements
85	Amounts excluded from T2 due to cap (excess over cap after redemptions and maturities)

Q4/17 Q3/17 Q2/17 Q1/17 Q4/16

10.9%	10.9%	10.6%	11.0%	10.8%
12.3%	12.4%	12.0%	12.6%	12.3%
14.2%	14.4%	14.1%	14.7%	14.4%
8.0%	8.0%	8.0%	8.0%	8.0%
2.5%	2.5%	2.5%	2.5%	2.5%
n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	n.a.
1.0%	1.0%	1.0%	1.0%	1.0%
10.9%	10.9%	10.6%	11.0%	10.8%
8.0%	8.0%	8.0%	8.0%	8.0%
9.5%	9.5%	9.5%	9.5%	9.5%
11.5%	11.5%	11.5%	11.5%	11.5%
3,555	966	1,251	1,360	1,674
3,627	3,484	3,347	3,381	3,386
-	-	-	-	-
2,711	2,694	2,896	2,596	2,920
287	280	281	294	294
287	280	281	294	294
1,577	1,582	1,608	1,573	1,581
1,577	1,582	1,608	1,573	1,581
-	-	-	-	-
-	-	-	-	-
3,696	3,696	3,696	3,696	4,435
-	-	-	-	-
4,595	4,595	4,595	4,595	5,514
-	-	-	-	-

BASEL III REGULATORY CAPITAL AND RATIOS (TRANSITIONAL BASIS) ²
(Millions of Canadian dollars, except percentage and otherwise noted)

29	Common Equity Tier 1 capital (CET1)
45	Tier 1 capital (T1 = CET1 + AT1)
59	Total capital (TC = T1 + T2)
60	Total risk-weighted assets
61	Common Equity Tier 1 (as a percentage of risk-weighted assets)
62	Tier 1 (as a percentage of risk-weighted assets)
63	Total capital (as a percentage of risk-weighted assets)

Q4/17 Q3/17 Q2/17 Q1/17 Q4/16

54,738	52,768	52,923	52,095	54,709
59,205	57,550	57,586	56,839	57,045
68,275	66,534	66,984	66,116	66,437
483,086	461,765	474,964	448,964	462,582
11.3%	11.4%	11.1%	11.6%	11.8%
12.3%	12.5%	12.1%	12.7%	12.3%
14.1%	14.4%	14.1%	14.7%	14.4%

¹ Effective November 1, 2016, the capital conservation buffer includes a countercyclical capital buffer as prescribed by OSFI and has no material impact.

² The transitional RWA does not reflect the CVA phase-in adjustments as implemented under the All-in Basis.

REGULATORY CAPITAL BALANCE SHEET
(Millions of Canadian dollars)

**Cross Reference to
Basel III Regulatory Capital
Components Page 21**
Q4/17
**Balance sheet as in
Report to Shareholders**
**Under regulatory
scope of consolidation**

Assets			
Cash and due from banks		28,407	28,404
Interest-bearing deposits with banks		32,662	32,662
Securities		218,379	208,746
<i>Non-significant investments in capital of other financial institutions not exceeding regulatory thresholds</i>			3,555
<i>Other securities</i>			205,191
Assets purchased under reverse repurchase agreements and securities borrowed		220,977	220,977
Loans			
Retail		385,170	384,924
Wholesale		159,606	158,045
Allowance for loan losses		(2,159)	(2,159)
<i>Collective allowance reflected in Tier 2 regulatory capital</i>	s		(287)
<i>Shortfall of allowances to expected loss</i>	i		(1,245)
<i>Allowances not reflected in regulatory capital</i>			(627)
Segregated fund net assets		542,617	540,810
Other		1,216	-
Customers' liability under acceptances		16,459	16,459
Derivatives		95,023	95,111
Premises and equipment, net		2,670	2,668
Goodwill	e	10,977	10,976
<i>Goodwill related to insurance and joint ventures</i>	e'		7
Other intangibles	f	4,507	4,447
<i>Other intangibles related to insurance and joint ventures</i>	f'		60
Other		38,959	40,034
<i>Significant investments in other financial institutions and insurance subsidiaries</i>			3,627
<i>of which: exceeding regulatory thresholds</i>	l		-
<i>of which: not exceeding regulatory thresholds</i>			3,627
<i>Defined -benefit pension fund net assets</i>	k		59
<i>Deferred tax assets</i>			1,684
<i>of which: deferred tax assets excluding those arising from temporary differences</i>	g		19
<i>of which: deferred tax assets arising from temporary differences exceeding regulatory thresholds</i>	m		-
<i>of which: deferred tax liabilities related to permitted tax netting</i>			(1,051)
<i>of which: deferred tax assets - other temporary differences</i>			2,716
Other assets			34,664
Total assets		1,212,853	1,201,294

REGULATORY CAPITAL BALANCE SHEET *continued*
(Millions of Canadian dollars)

Liabilities
Deposits
Personal
Business and government
Bank
Segregated fund net liabilities
Other
Acceptances
Obligations related to securities sold short
Obligations related to assets sold under repurchase agreements and securities loaned
Derivatives
Insurance claims and policy benefit liabilities
Other liabilities
Gains and losses due to changes in own credit risk on fair value liabilities
Deferred tax liabilities
of which: related to goodwill
of which: related to intangibles
of which: related to pensions
of which: relates to permitted tax netting
of which: other deferred tax liabilities
Other Liabilities
Subordinated debentures
Regulatory capital amortization of maturing debentures
Subordinated debentures not allowed for regulatory capital
Subordinated debentures used for regulatory capital:
of which: are qualifying
of which: are subject to phase out directly issued capital:
of which: are subject to phase out issued by subsidiaries and held by 3rd party
Total liabilities
Equity attributable to shareholders
Common shares
of which are treasury shares - common
Retained earnings
of which relates to contributed surplus
of which relates to retained earning for capital purposes
of which relates to insurance and joint ventures
Other components of equity
Gains and losses on derivatives designated as cash flow hedges
Unrealized foreign currency translation gains and losses, net of hedging activities
Other reserves allowed for regulatory capital
of which relates to Insurance
Preferred shares
of which: are qualifying
of which: are subject to phase out
of which portion are not allowed for regulatory capital
of which: are qualifying treasury shares
of which: are subject to phase out treasury shares
Non-controlling interests
of which: are qualifying
portion allowed for inclusion into CET1
portion allowed for inclusion into Tier 1 capital
portion allowed for inclusion into Tier 2 capital
of which: are subject to phase out
of which: portion not allowed for regulatory capital
Total equity
Total liabilities and equity

	Cross Reference to Basel III Regulatory Capital Components Page 21	Q4/17	
		Balance sheet as in Report to Shareholders	Under regulatory scope of consolidation
		260,213	260,213
		505,665	505,931
		23,757	23,757
		789,635	789,901
		1,216	-
		16,459	16,459
		30,008	30,008
		143,084	143,084
		92,127	92,127
		9,676	-
		46,955	46,000
	j		(245)
	t		97
	v		-
	u		1,142
	w		-
			6
			(1,051)
			46,148
	q	9,265	9,265
			-
	q'		360
			8,905
	q''		6,346
	q'''		2,550
	q''''		9
		1,138,425	1,126,844
		73,829	73,851
	a	17,703	17,703
	a''		(27)
		45,359	45,376
	a'		316
	b		45,060
	b'		(17)
	c	4,354	4,359
	h		431
			3,546
			377
	c'		(5)
	n	6,413	6,413
	n'		3,825
	n''		2,450
	n'''		138
	n''''		-
	n'''''		-
	x	599	599
	d		13
	o		3
	r		12
	x'		511
			60
		74,428	74,450
		1,212,853	1,201,294
	Equity		Assets
		5	-
		-	-
		7	35
		2,012	13,936
		54	94
		51	-
		1,162	785
		3,291	14,850

Insurance subsidiaries ¹	Principal activities
Assured Assistance Inc.	Service provider for insurance claims
RBC General Insurance Company	Property and casualty insurance company
RBC Insurance Services Inc.	Service provider for insurance companies listed and the bank (creditor)
RBC Life Insurance Company	Life and health insurance company
RBC Insurance Company of Canada	Property and casualty insurance company
RBC Insurance Holdings Inc.	Holding company
Royal Bank of Canada Insurance Company Limited	Life, annuity, trade credit, title and property reinsurance company provides coverage to international clients

¹ The list of legal entities that are included within the accounting scope of consolidation but excluded from the regulatory scope of consolidation.

FLOW STATEMENT OF THE MOVEMENTS IN REGULATORY CAPITAL ¹

(Millions of Canadian dollars)

Common Tier 1 (CET1) capital
Opening amount

New capital issues	
Redeemed capital	
Gross dividends (deduction)	
Shares issued in lieu of dividends (add back)	
Profit for the year (attributable to shareholders of parent company)	
Removal of own credit spread (net of tax)	
Movement in other comprehensive income	
<i>Currency translation differences (unrealized foreign currency translation gains/(losses)), net of hedging activities</i>	
<i>Available-for-sale investments (unrealized gains (losses) on AFS securities)</i>	
<i>Other</i>	
Goodwill and other intangible assets (deduction, net of related tax liability)	
Other, including regulatory adjustments and transitional arrangements	
<i>Deferred tax assets that rely on future profitability (excluding those arising from temporary differences)</i>	
<i>Defined benefit pension fund assets (net of related tax liability)</i>	
<i>Investment in common equity of deconsolidated subsidiaries & other significant investments</i>	
<i>Prudential valuation adjustments</i>	
<i>Other ²</i>	

Closing amount
Other 'non-core' Tier 1 (Additional Tier 1) capital
Opening amount

New non-core Tier 1 (additional Tier 1) eligible capital issues	
Redeemed capital	
Other, including regulatory adjustments and transitional arrangements ^{3,4}	

Closing amount
Total Tier 1 capital
Tier 2 capital
Opening amount

New Tier 2 eligible capital issues	
Redeemed capital	
Amortization adjustments	
Other, including regulatory adjustments and transitional arrangements ⁵	

Closing amount
Total regulatory capital

	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16
Common Tier 1 (CET1) capital	49,608	49,598	48,880	48,181	46,425
Opening amount	39	42	50	96	74
New capital issues	(68)	-	(231)	(137)	(11)
Redeemed capital	(1,396)	(1,345)	(1,348)	(1,307)	(1,309)
Gross dividends (deduction)	-	-	-	-	-
Shares issued in lieu of dividends (add back)	2,829	2,783	2,801	3,015	2,533
Profit for the year (attributable to shareholders of parent company)	79	38	231	(7)	91
Removal of own credit spread (net of tax)					
Movement in other comprehensive income	1,143	(2,402)	1,621	(934)	584
<i>Currency translation differences (unrealized foreign currency translation gains/(losses)), net of hedging activities</i>	1,061	(2,860)	1,585	(926)	672
<i>Available-for-sale investments (unrealized gains (losses) on AFS securities)</i>	48	40	91	(141)	(92)
<i>Other</i>	34	418	(55)	133	4
Goodwill and other intangible assets (deduction, net of related tax liability)	(290)	777	(458)	268	(54)
Other, including regulatory adjustments and transitional arrangements	(372)	117	(1,948)	(295)	(152)
<i>Deferred tax assets that rely on future profitability (excluding those arising from temporary differences)</i>	2	7	(3)	7	3
<i>Defined benefit pension fund assets (net of related tax liability)</i>	(3)	(15)	7	(19)	(9)
<i>Investment in common equity of deconsolidated subsidiaries & other significant investments</i>	-	-	-	-	-
<i>Prudential valuation adjustments</i>	-	-	-	-	-
<i>Other ²</i>	(371)	125	(1,952)	(283)	(146)
Closing amount	51,572	49,608	49,598	48,880	48,181
Other 'non-core' Tier 1 (Additional Tier 1) capital	7,079	7,088	7,079	7,089	7,080
Opening amount	-	-	-	-	-
New non-core Tier 1 (additional Tier 1) eligible capital issues	-	-	-	-	-
Redeemed capital	(290)	(9)	9	(10)	9
Other, including regulatory adjustments and transitional arrangements ^{3,4}					
Closing amount	6,789	7,079	7,088	7,079	7,089
Total Tier 1 capital	58,361	56,687	56,686	55,959	55,270
Tier 2 capital	9,133	9,549	9,418	9,680	9,700
Opening amount	-	-	-	-	-
New Tier 2 eligible capital issues	-	-	-	-	-
Redeemed capital	-	-	-	-	-
Amortization adjustments	-	-	-	-	-
Other, including regulatory adjustments and transitional arrangements ⁵	62	(416)	131	(262)	(20)
Closing amount	9,195	9,133	9,549	9,418	9,680
Total regulatory capital	67,556	65,820	66,235	65,377	64,950

¹ Reflects required EDTF format.

² Includes changes in shortfall in allowance, treasury shares, issue costs and other, share-based compensation awards, threshold deduction allocated to loss carry back, de-recognition of cash flow hedge reserves, transitional adjustment and common equity issued by consolidated subsidiaries to third parties.

³ Includes changes to capital issued by consolidated bank subsidiaries to third parties and non-qualifying capital instruments.

⁴ Includes \$300MM of non-qualifying preferred shares redeemed in Q4/17.

⁵ Includes changes to non-qualifying capital issued by consolidated bank subsidiaries to third parties, non-qualifying capital instruments and eligible collective allowance.

TOTAL CAPITAL RISK-WEIGHTED ASSETS ¹ (Millions of Canadian dollars, except percentage and per share amounts)	Q4/17						Q4/17	Risk-weighted assets All-in Basis			
	Risk-weighted assets All-in Basis						Capital requirements				
	Exposure ²	Average of risk weights ³	Standardized approach	Advanced approach	Other	Total ⁴	Total ⁴	Q3/17 Total ⁴	Q2/17 Total ⁴	Q1/17 Total ⁴	Q4/16 Total ⁴
Credit risk ⁵											
Lending-related and other											
Residential mortgages	\$243,462	7%	\$5,823	\$12,374	-	18,197	1,456	17,504	16,016	17,549	17,364
Other retail (Personal, Credit cards and Small business treated as retail)	239,041	22%	7,638	46,111	-	53,749	4,300	54,415	54,687	52,249	52,164
Business (Corporate, Commercial, Medium-sized enterprises and Non-bank financial institutions)	313,550	60%	41,187	145,976	-	187,163	14,973	185,567	192,616	180,522	186,285
Sovereign (Government)	135,450	9%	2,930	8,805	-	11,735	939	11,335	12,241	10,447	9,776
Bank	135,527	8%	2,802	8,465	-	11,267	901	10,748	10,896	10,257	11,801
Total lending-related and other	1,067,030	26%	60,380	221,731	-	282,111	22,569	279,569	286,456	271,024	277,390
Trading-related											
Repo-style transactions	475,832	2%	66	8,379	75	8,520	682	8,070	9,093	7,892	7,924
Derivatives -including CVA - CET1 phase-in adjustment ⁶	86,999	33%	603	15,977	11,808	28,388	2,271	29,309	30,043	28,375	29,796
Total trading-related	562,831	7%	669	24,356	11,883	36,908	2,953	37,379	39,136	36,267	37,720
Total lending-related and other and trading-related	1,629,861	20%	61,049	246,087	11,883	319,019	25,522	316,948	325,592	307,291	315,110
Bank book equities ^{7, 8}	3,096	113%	-	3,485	-	3,485	279	3,391	3,710	3,601	2,362
Securitization exposures ⁹	58,418	14%	2,386	6,076	-	8,462	677	8,414	9,249	8,972	9,591
Regulatory scaling factor ⁹	n.a.	n.a.	n.a.	15,306	-	15,306	1,224	15,274	15,739	14,672	15,028
Other assets ¹⁰	51,139	56%	n.a.	n.a.	28,836	28,836	2,307	27,144	29,317	26,083	25,384
Total credit risk ¹⁰	1,742,514	22%	63,435	270,954	40,719	375,108	30,009	371,171	383,607	360,619	367,475
Market risk ^{11, 12}											
Interest rate			2,562	4,348	-	6,910	553	6,125	7,386	6,827	4,484
Equity			1,461	1,371	-	2,832	227	3,970	3,674	3,240	3,005
Foreign exchange			671	64	-	735	59	914	1,182	873	931
Commodities			232	13	-	245	19	321	239	139	321
Specific risk			5,117	2,076	-	7,193	575	7,535	7,021	5,643	5,730
Incremental risk charge ^{13, 14}			-	9,703	-	9,703	776	8,572	8,927	8,373	9,488
Total market risk			10,043	17,575	-	27,618	2,209	27,437	28,429	25,095	23,964
Operational risk ¹⁵			4,470	54,733	n.a.	59,203	4,736	58,131	57,682	56,794	55,997
Regulatory floor adjustment					12,549	12,549	1,004				
CET1 capital risk-weighted assets	1,742,514		77,948	343,262	53,268	474,478	37,958	456,739	469,718	442,508	447,436
Additional CVA adjustment, prescribed by OSFI, for Tier 1 Capital ⁶					784	784	63	776	810	796	1,226
Regulatory floor adjustment					(784)	(784)	(63)				
Tier 1 capital risk-weighted assets	1,742,514		77,948	343,262	53,268	474,478	37,958	457,515	470,528	443,304	448,662
Additional CVA adjustment, prescribed by OSFI, for Total Capital ⁶					627	627	50	621	648	636	1,050
Regulatory floor adjustment					(627)	(627)	(50)				
Total capital risk-weighted assets (RWA)	1,742,514		77,948	343,262	53,268	474,478	37,958	458,136	471,176	443,940	449,712
RWA CVA PHASE-IN CALCULATION ⁶											
	CVA (A)	OSFI Scalars (B)	Total RWA before CVA phase-in (C)	CVA Phase -in Adjustments (D)=A*(100%-B)	RWA Net CVA phase-in (E)=C-D	Regulatory Floor Adjustment	RWA including Regulatory Floor Adjustment, net CVA				
Common equity tier 1 (CET1) capital RWA	15,674	72%	466,318	4,389	461,929	12,549	474,478				
Tier 1 capital RWA	15,674	77%	466,318	3,605	462,713	11,765	474,478				
Total capital RWA	15,674	81%	466,318	2,978	463,340	11,138	474,478				

¹ Calculated using guidelines issued by OSFI under the Basel III All-in framework.

² Total exposure represents exposure at default which is the expected gross exposure upon the default of an obligor. This amount excludes any allowance against impaired loans or partial write-offs and does not reflect the impact of credit risk mitigation.

³ Represents the average of counterparty risk weights within a particular category.

⁴ The minimum capital requirements for each category can be calculated by multiplying the total RWA by 8%.

⁵ For credit risk, a majority of our portfolios use the Internal Ratings Based (IRB) Approach and the remainder use the Standardized Approach.

⁶ As per OSFI guidelines, the CVA regulatory capital charge applied to derivatives has a three tier capital approach with different scalars for each tier. For 2016 the scalars percentages were 64%, 71% and 77% applied to CET1, Tier 1 and Total capital respectively. 2017 scalars are shown above.

⁷ CAR (Capital Adequacy Requirement) guidelines define banking book equities based on the economic substance of the transaction rather than the legal form or accounting treatment associated with the financial instrument. As such, differences exist in the identification of equity securities held in the banking book and those reported in the financial statements. Banking book equities are financial instruments held for investment purposes and are not part of our trading book, consisting of publicly-traded and private equities, partnership units, venture capital and derivative instruments tied to equity interests.

⁸ As at Q4/17, the amount of publicly-traded equity exposures was \$1,161 million and private equity exposures amounted to \$1,935 million. Total exposure represents exposure at default, which is the expected gross exposure upon the default of an obligor.

⁹ Effective Q1/17, the Basel Committee on Banking Supervision issued new requirements for Equity Investments in Funds (BCBS 266). The Simple Risk Weight method under the Market-based Approach is being used to calculate RWA for Direct Equity exposures (\$2,005 million). On the other hand, the calculation of RWA for Equity Investments in Funds (\$1,091 million) uses the Mandate-based and Fall-Back Approaches.

⁸ The amount of available-for-sale securities held in the banking book that were "grandfathered" under CAR (Capital Adequacy Requirement) guidelines, and thus subject to a 100% risk-weighting until the end of 2017, was \$74 million for Q4/17.

⁹ The scaling factor represents a calibration adjustment of 6% as prescribed by OSFI under the Basel III framework and is applied to RWA amounts for credit risk assessed under the IRB Approach.

¹⁰ For credit risk, portfolios using the Standardized and IRB Approaches represents 16% and 73%, respectively, of RWA. The remaining 11% represents Balance Sheet assets not included in Standardized or IRB Approaches.

¹¹ For market risk RWA measurement, we use an internal models approach where we have obtained regulatory approval, and a standardized approach for products yet to be approved.

¹² Regulatory capital for our correlation trading portfolios is determined through the standardized approach as prescribed by OSFI. Therefore, we do not have a Comprehensive Risk Charge for these portfolios. Our securitization and resecuritization positions in our trading book also have capital requirements under the standardized approach. The changes in value due to market and credit risk in the securitization and resecuritization in the trading book are managed through the daily mark-to-market process. Furthermore, we employ market risk measures such as sensitivities to changes in option-adjusted spreads and underlying asset prices as well as VaR and stress testing measures.

¹³ The incremental risk charge (IRC) was \$686 million as at Q3/17. The average was \$676 million, high was \$769 million and low was \$513 million for Q3/17. The IRC is measured over a one-year horizon at a 99.9% confidence level. We utilize a technique known as the Monte Carlo simulation process to generate a statistically relevant number of loss scenarios due to ratings migration and default in order to establish the losses at that confidence level. We also make certain assumptions about position liquidity (the length of time to close out a position) within the model that range from a floor of three months to maximum of one year. The determination of liquidity is based on issuer type and credit rating. Credit rating migration and default probabilities are based on historical data.

¹⁴ The models are subject to the same internal independent vetting and validation procedures used for all regulatory capital models. Important assumptions are re-reviewed at least annually. Due to the long time horizon and high confidence level of the risk measure, we do not perform back-testing as we do for the VaR measure.

¹⁵ On May 10, 2016 OSFI approved RBC's application to use the Advanced Measurement Approach for Operational Risk, subject to a capital floor.

MARKET RISK - RISK-WEIGHTED ASSETS BY APPROACH (ALL-IN BASIS) (Millions of Canadian dollars, except percentage and otherwise noted)	Q4/17		Q3/17		Q2/17		Q1/17		Q4/16	
	Risk-weighted assets	Capital requirements	Risk-weighted assets	Capital requirements	Risk-weighted assets	Capital requirements	Risk-weighted assets	Capital requirements	Risk-weighted assets	Capital requirements
Internal models-based approach										
VaR	1,837	147	2,414	193	2,845	227	2,958	236	2,044	164
Stressed VaR	6,035	483	6,568	525	6,746	540	5,295	424	4,067	325
Incremental risk charge	9,703	776	8,572	686	8,927	714	8,373	670	9,488	759
Comprehensive risk measure	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-
	17,575	1,406	17,554	1,404	18,518	1,481	16,626	1,330	15,599	1,248
Standardized approach	10,043	803	9,883	791	9,911	793	8,469	678	8,365	669
Total Market Risk RWA	27,618	2,209	27,437	2,195	28,429	2,274	25,095	2,008	23,964	1,917

TOTAL CAPITAL RISK-WEIGHTED ASSETS BY BUSINESS SEGMENTS (ALL-IN BASIS) (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16
Personal and Commercial Banking							
Canadian Banking	154,983	155,476	150,754	141,612	138,358	136,650	135,322
Caribbean & U.S. Banking	12,572	12,557	14,341	13,446	13,235	15,864	16,194
Wealth Management	68,431	65,832	69,264	66,232	65,019	62,593	58,679
Insurance	8,584	8,248	7,835	7,953	8,012	7,700	8,233
Investor & Treasury Services	28,891	29,075	29,953	29,325	30,498	32,360	30,085
Capital Markets	181,942	181,216	193,084	181,764	189,294	185,404	181,979
Corporate Support	19,075	5,732	5,945	3,608	5,296	4,543	6,656
Total capital risk-weighted assets	474,478	458,136	471,176	443,940	449,712	445,114	437,148

MOVEMENT OF TOTAL CAPITAL RISK-WEIGHTED ASSETS (RWA) BY RISK TYPE (ALL-IN BASIS) (Millions of Canadian dollars, except percentage and otherwise noted)	Q4/17			Q3/17			Q2/17			Q1/17		
	Non-counterparty credit risk	Counterparty credit risk	Total	Non-counterparty credit risk	Counterparty credit risk	Total	Non-counterparty credit risk	Counterparty credit risk	Total	Non-counterparty credit risk	Counterparty credit risk	Total
Credit risk RWA												
Opening balance of credit risk RWA	333,790	38,778	372,568	344,470	40,595	385,065	324,352	37,699	362,051	329,755	39,996	369,751
Portfolio size ¹	3,589	(839)	2,750	4,176	158	4,334	3,250	1,667	4,917	(1,120)	(2,177)	(3,297)
Portfolio credit quality ²	(3,178)	20	(3,158)	(336)	18	(318)	(438)	(97)	(535)	420	(63)	357
Model updates ³	-	-	-	-	-	-	-	-	-	(476)	-	(476)
Methodology and policy ⁴	-	-	-	-	-	-	10,973	1	10,974	1,054	637	1,691
Acquisitions and dispositions	-	-	-	-	-	-	-	-	-	-	-	(753)
Foreign exchange movements	3,714	767	4,481	(15,663)	(1,980)	(17,643)	7,943	1,380	9,323	(4,350)	(872)	(5,222)
Other	285	(407)	(122)	1,143	(13)	1,130	(1,610)	(55)	(1,665)	(931)	178	(753)
Closing balance of credit risk RWA	338,200	38,319	376,519	333,790	38,778	372,568	344,470	40,595	385,065	324,352	37,699	362,051
Market risk RWA												
Opening balance of market risk RWA	n.a.	n.a.	27,437	n.a.	n.a.	28,429	n.a.	n.a.	25,095	n.a.	n.a.	23,964
Movement in risk levels ⁵	n.a.	n.a.	570	n.a.	n.a.	118	n.a.	n.a.	1,261	n.a.	n.a.	1,982
Model updates ³	n.a.	n.a.	(241)	n.a.	n.a.	7	n.a.	n.a.	68	n.a.	n.a.	(309)
Methodology and policy ⁴	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-
Acquisitions and dispositions	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-
Foreign exchange movements	n.a.	n.a.	(148)	n.a.	n.a.	(1,117)	n.a.	n.a.	2,005	n.a.	n.a.	(542)
Other	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-
Closing balance of market risk RWA	n.a.	n.a.	27,618	n.a.	n.a.	27,437	n.a.	n.a.	28,429	n.a.	n.a.	25,095
Operational risk RWA												
Opening balance of operational risk RWA	n.a.	n.a.	58,131	n.a.	n.a.	57,682	n.a.	n.a.	56,794	n.a.	n.a.	55,997
Revenue generation	n.a.	n.a.	1,072	n.a.	n.a.	449	n.a.	n.a.	888	n.a.	n.a.	797
Closing balance of operational risk RWA	n.a.	n.a.	59,203	n.a.	n.a.	58,131	n.a.	n.a.	57,682	n.a.	n.a.	56,794
Regulatory floor adjustment	n.a.	n.a.	11,138	n.a.	n.a.	-	n.a.	n.a.	-	n.a.	n.a.	-
Total capital RWA	338,200	38,319	474,478	333,790	38,778	458,136	344,470	40,595	471,176	324,352	37,699	443,940

ATTRIBUTED CAPITAL (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Attributed capital											
Credit risk	21,500	22,250	21,000	21,050	20,500	20,550	20,600	20,450	17,650	21,450	20,550
Market risk (trading and non-trading)	3,750	3,100	3,100	3,150	3,000	3,200	3,050	3,550	3,800	3,250	3,200
Operational risk	5,150	5,150	5,300	5,100	5,000	5,100	4,900	4,750	4,300	5,200	4,900
Business and fixed assets risk	3,250	3,200	3,250	3,150	3,100	3,200	3,100	3,100	2,700	3,200	3,100
Insurance risk	700	650	650	600	600	650	650	650	550	650	650
Goodwill and intangibles	15,250	15,500	15,800	15,700	15,750	15,900	16,100	16,650	12,150	15,550	16,100
Regulatory capital allocation ⁶	10,450	11,450	10,800	11,050	8,800	8,200	10,000	8,500	6,500	10,950	8,900
Attributed capital	60,050	61,300	59,900	59,800	56,750	56,800	58,400	57,650	47,650	60,250	57,400
Under/(over) attribution of capital ^{6,7}	5,850	4,450	4,900	4,850	6,350	5,000	4,000	3,800	8,150	5,050	4,800
Total average common equity	65,900	65,750	64,800	64,650	63,100	61,800	62,400	61,450	55,800	65,300	62,200

¹ Organic changes in portfolio size and composition (including new business and maturing loans).

² Quality of book changes caused by experience such as underlying customer behaviour or demographics and credit migration.

³ Updates to the model to reflect recent experience, model implementation, change in model scope or any change to address model malfunctions including changes through model calibrations/realignments.

⁴ Methodology changes to the calculations driven by regulatory policy changes.

⁵ Change in risk due to position changes and market movements.

⁶ Our capital allocation methodology is annually revised to anticipate and incorporate any changes in the regulatory (Basel and/or OSFI) environment that affects our capital requirement.

⁷ Under/(over) attribution of capital is reported in Corporate Support.

LEVERAGE RATIO
Summary comparison of accounting assets vs. leverage ratio exposure measure - transitional basis
(Millions of Canadian dollars)

Q4/17 Q3/17 Q2/17 Q1/17 Q4/16

1 Total consolidated assets as per published financial statements
2 Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation
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
5 Adjustment for securities financing transactions (SFT) (i.e. repo assets and similar secured lending)
6 Adjustments for off-balance sheet items (i.e., credit equivalent amounts of off-balance sheet exposures)
7 Other adjustments
8 Leverage Ratio Exposure - (transitional basis)

1,212,853	1,201,047	1,202,919	1,161,766	1,180,258
(11,648)	(11,207)	(11,101)	(10,461)	(10,937)
-	-	-	-	-
(20,372)	(33,274)	(19,642)	(22,859)	(33,400)
4,512	6,659	7,456	6,547	5,561
162,199	157,093	168,022	158,956	160,424
(30,761)	(32,530)	(35,111)	(33,077)	(35,166)
1,316,783	1,287,788	1,312,543	1,260,872	1,266,740

Additional information
Leverage ratio exposure - transitional basis
Additional asset amounts deducted in determining Basel III all-in Tier 1 capital
Leverage Ratio Exposure - all-in basis

1,316,783	1,287,788	1,312,543	1,260,872	1,266,740
(1,244)	(1,225)	(840)	(870)	(1,605)
1,315,539	1,286,563	1,311,703	1,260,002	1,265,135

LEVERAGE RATIO COMMON DISCLOSURE TEMPLATE¹

(Millions of Canadian dollars, except percentages)

	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16
On-balance sheet exposures					
1 On-balance sheet items (excluding derivatives, SFTs and grandfathered securitization exposures, but including collateral)	882,407	872,640	871,504	854,027	861,505
2 (Asset amounts deducted in determining Basel III transitional Tier 1 capital)	(14,858)	(14,794)	(15,562)	(15,013)	(14,435)
3 Total on-balance sheet exposure (excluding derivatives and SFTs) (sum of lines 1 and 2)	867,549	857,846	855,942	839,014	847,070
Derivatives exposures					
4 Replacement cost associated with all derivatives transactions (i.e., net of eligible cash variation margin)	17,414	18,059	22,193	22,137	28,944
5 Add-on amounts for PFE associated with all derivatives transactions	56,599	53,964	58,674	51,628	55,863
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 derivatives transactions)	(13,431)	(15,251)	(17,058)	(15,578)	(18,250)
8 (Exempted CCP-leg of client-cleared trade exposures)	-	-	-	-	-
9 Adjusted effective notional amount of written credit derivatives	638	536	253	795	737
10 (Adjusted effective notional offsets and add-on deductions for written credit derivatives)	-	-	-	-	-
11 Total derivative exposures (sum of lines 4 to 10)	61,220	57,308	64,062	58,982	67,294
Securities financing transaction exposures					
12 Gross SFT assets recognized for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions	241,707	235,901	236,527	222,661	200,681
13 (Netted amounts of cash payables and cash receivables of gross SFT assets)	(24,022)	(27,019)	(19,467)	(25,288)	(14,290)
14 Counterparty credit risk (CCR) exposure for SFTs	8,132	6,659	7,456	6,547	5,561
15 Agent transaction exposures	-	-	-	-	-
16 Total securities financing transaction exposures (sum of lines 12 to 15)	225,817	215,541	224,516	203,920	191,952
Other off-balance sheet exposures					
17 Off-balance sheet exposures at gross notional amount	497,169	481,161	508,070	492,394	486,449
18 (Adjustments for conversion to credit equivalent amounts)	(334,970)	(324,068)	(340,048)	(333,438)	(326,025)
19 Off-balance sheet items (sum of lines 17 and 18)	162,199	157,093	168,022	158,956	160,424
Capital and Total Exposures - Transitional Basis					
20 Tier 1 capital	59,205	57,550	57,586	56,839	57,045
21 Total Exposures (sum of lines 3,11,16 and 19)	1,316,783	1,287,788	1,312,543	1,260,872	1,266,740
Leverage ratio - Transitional Basis					
22 Basel III leverage ratio	4.5%	4.5%	4.4%	4.5%	4.5%
All-in basis (Required by OSFI)					
23 Tier 1 capital - All-in basis	58,361	56,687	56,686	55,959	55,270
24 (Regulatory adjustments)	(16,102)	(16,019)	(16,401)	(15,883)	(16,040)
25 Total Exposures (sum of lines 21 and 24, less the amount reported in line 2) - All-in basis	1,315,539	1,286,563	1,311,704	1,260,002	1,265,135
26 Leverage ratio - All-in basis	4.4%	4.4%	4.3%	4.4%	4.4%

¹ Based on OSFI's Leverage Requirements Guidelines issued October 2014.

LOANS AND ACCEPTANCES (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
By portfolio and sector											
Retail											
Residential mortgages	270,348	264,583	259,973	257,324	254,998	250,126	246,029	245,628	233,975	270,348	254,998
Personal	92,294	93,087	92,950	92,106	93,466	93,850	93,679	95,273	94,346	92,294	93,466
Credit cards	18,035	17,789	17,417	16,942	17,128	16,629	16,269	15,963	15,859	18,035	17,128
Small business	4,493	4,410	3,828	3,789	3,878	3,871	3,886	3,899	4,003	4,493	3,878
	385,170	379,869	374,168	370,161	369,470	364,476	359,863	360,763	348,183	385,170	369,470
Wholesale											
Business											
Agriculture	7,380	7,141	6,921	6,886	6,515	6,469	6,399	6,480	6,057	7,380	6,515
Automotive	8,248	8,316	8,456	7,939	7,279	6,730	7,318	7,208	6,614	8,248	7,279
Consumer goods	11,387	10,955	10,530	10,083	10,052	9,043	8,994	8,576	7,146	11,387	10,052
Energy											
Oil and gas	6,743	6,722	5,977	6,176	6,259	7,057	7,991	8,384	7,691	6,743	6,259
Utilities	5,614	5,532	6,003	6,083	7,680	8,179	6,863	6,711	5,162	5,614	7,680
Financing products	6,556	6,952	8,163	7,732	8,840	9,912	10,582	12,011	10,093	6,556	8,840
Forest products	911	1,014	1,101	1,113	1,099	1,195	1,233	1,169	1,169	911	1,099
Health services	6,998	6,507	7,392	7,637	7,763	8,205	7,111	7,478	6,023	6,998	7,763
Holding and investments	8,803	8,585	8,533	7,825	7,195	7,329	7,508	7,451	6,935	8,803	7,195
Industrial products	5,581	5,731	5,598	5,875	5,508	5,172	5,142	5,502	4,725	5,581	5,508
Mining and metals	1,113	1,168	1,404	1,343	1,455	1,424	1,514	1,729	1,402	1,113	1,455
Non-bank financial services	10,744	10,428	10,169	8,792	8,408	9,423	9,315	9,625	6,428	10,744	8,408
Other services	14,757	14,639	15,557	12,705	11,582	10,778	10,954	11,012	8,834	14,757	11,582
Real estate and related ¹	46,197	43,583	42,987	42,817	40,419	40,163	39,196	40,048	33,802	46,197	40,419
Technology and media	8,890	9,019	9,606	10,193	11,019	10,164	9,521	9,294	6,599	8,890	11,019
Transportation and environment	5,950	5,486	6,981	5,712	6,060	6,071	6,288	6,614	5,907	5,950	6,060
Other	4,570	4,041	4,411	6,154	7,568	7,267	6,035	7,835	3,248	4,570	7,568
Sovereign	11,362	11,543	10,766	11,084	10,581	9,788	10,561	11,235	9,887	11,362	10,581
Bank	4,261	4,285	4,296	1,898	1,930	2,304	1,921	2,112	1,800	4,261	1,930
	176,065	171,647	174,851	168,047	167,212	166,673	164,446	170,474	139,522	176,065	167,212
Total loans and acceptances	561,235	551,516	549,019	538,208	536,682	531,149	524,309	531,237	487,705	561,235	536,682
Allowance for loan losses	(2,159)	(2,236)	(2,258)	(2,239)	(2,235)	(2,177)	(2,271)	(2,169)	(2,029)	(2,159)	(2,235)
Total loans and acceptances, net of allowance for loan losses	559,076	549,280	546,761	535,969	534,447	528,972	522,038	529,068	485,676	559,076	534,447
Loans and acceptances by geography ² and portfolio											
Canada											
Residential mortgages	255,799	250,998	245,601	244,003	241,800	237,864	234,545	233,125	229,987	255,799	241,800
Personal	82,022	82,861	81,833	81,288	82,205	82,683	82,624	82,898	84,637	82,022	82,205
Credit cards	17,491	17,287	16,838	16,394	16,601	16,153	15,787	15,431	15,516	17,491	16,601
Small business	4,493	4,410	3,828	3,789	3,878	3,871	3,886	3,899	4,003	4,493	3,878
Retail	359,805	355,556	348,100	345,474	344,484	340,571	336,842	335,353	334,143	359,805	344,484
Business	88,453	83,532	79,471	77,749	76,266	74,216	73,856	72,218	71,246	88,453	76,266
Sovereign	9,379	9,632	8,549	9,098	8,586	7,654	7,823	8,055	8,508	9,379	8,586
Bank	1,326	1,255	989	867	1,278	619	618	695	530	1,326	1,278
Wholesale	99,158	94,419	89,009	87,714	86,130	82,489	82,297	80,968	80,284	99,158	86,130
United States											
Retail	18,100	17,311	18,376	17,342	17,134	16,003	15,041	16,462	5,484	18,100	17,134
Wholesale	55,037	55,101	62,311	57,724	59,349	59,830	58,190	62,950	34,702	55,037	59,349
	73,137	72,412	80,687	75,066	76,483	75,833	73,231	79,412	40,186	73,137	76,483
Other International											
Retail	7,265	7,002	7,692	7,345	7,852	7,902	7,980	8,948	8,556	7,265	7,852
Wholesale	21,870	22,127	23,531	22,609	21,733	24,354	23,959	26,556	24,536	21,870	21,733
	29,135	29,129	31,223	29,954	29,585	32,256	31,939	35,504	33,092	29,135	29,585
Total											
Retail	385,170	379,869	374,168	370,161	369,470	364,476	359,863	360,763	348,183	385,170	369,470
Wholesale	176,065	171,647	174,851	168,047	167,212	166,673	164,446	170,474	139,522	176,065	167,212
Total loans and acceptances	561,235	551,516	549,019	538,208	536,682	531,149	524,309	531,237	487,705	561,235	536,682

¹ Wholesale - Real estate and related loans and acceptances in Q4/17 is comprised of amounts based in Canada of \$29.0 billion, United States of \$12.5 billion and Other International of \$4.7 billion.

² Geographic information is based on residence of borrower.

GROSS IMPAIRED LOANS (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Gross impaired loans by portfolio and sector											
Retail											
Residential mortgages	634	621	723	688	709	672	643	660	646	634	709
Personal	276	285	280	297	304	300	315	313	299	276	304
Small business	38	38	40	41	46	45	45	42	45	38	46
	948	944	1,043	1,026	1,059	1,017	1,003	1,015	990	948	1,059
Wholesale											
Business											
Agriculture	28	24	35	35	43	56	42	45	41	28	43
Automotive	29	20	25	43	43	41	46	10	11	29	43
Consumer goods	105	100	108	127	165	118	115	96	130	105	165
Energy											
Oil and gas	315	482	625	983	1,264	1,136	1,039	310	156	315	1,264
Utilities	10	11	55	57	78	65	51	91	57	10	78
Financing products	107	104	113	107	111	108	104	112	109	107	111
Forest products	7	10	16	18	21	31	15	30	28	7	21
Health services	21	21	13	17	21	15	19	18	17	21	21
Holding and investments	27	88	102	17	72	76	163	185	185	27	72
Industrial products	34	32	41	44	43	34	37	36	45	34	43
Mining and metals	3	4	8	10	15	17	17	16	17	3	15
Non-bank financial services	32	36	5	5	3	1	1	2	1	32	3
Other services	157	185	185	187	109	99	94	71	69	157	109
Real estate and related ¹	345	417	372	363	241	245	271	294	297	345	241
Technology and media	82	83	100	100	93	28	31	33	34	82	93
Transportation and environment	23	25	27	26	45	46	48	55	53	23	45
Other	47	42	45	46	57	73	74	63	43	47	57
Sovereign	-	-	-	-	-	-	-	-	-	-	-
Bank	-	-	-	-	2	2	2	2	2	-	2
	1,372	1,684	1,875	2,185	2,426	2,191	2,169	1,469	1,295	1,372	2,426
Acquired credit-impaired loans	256	268	331	348	418	508	531	636	-	256	418
Total gross impaired loans	2,576	2,896	3,249	3,559	3,903	3,716	3,703	3,120	2,285	2,576	3,903
Individually assessed	1,382	1,717	1,945	2,283	2,566	2,409	2,394	1,822	993	1,382	2,566
Collectively assessed	1,194	1,179	1,304	1,276	1,337	1,307	1,309	1,298	1,292	1,194	1,337
Total gross impaired loans	2,576	2,896	3,249	3,559	3,903	3,716	3,703	3,120	2,285	2,576	3,903
Gross impaired loans by geography² and portfolio											
Canada											
Residential mortgages	323	324	362	372	368	366	360	350	356	323	368
Personal	198	201	209	226	228	233	246	232	223	198	228
Small business	38	38	40	41	46	45	45	42	45	38	46
Retail	559	563	611	639	642	644	651	624	624	559	642
Business	426	467	405	427	522	502	591	604	512	426	522
Sovereign	-	-	-	-	-	-	-	-	-	-	-
Bank	-	-	-	-	-	-	-	-	-	-	-
Wholesale	426	467	405	427	522	502	591	604	512	426	522
Total - Canada	985	1,030	1,016	1,066	1,164	1,146	1,242	1,228	1,136	985	1,164
United States³											
Retail	59	61	76	50	56	43	42	22	10	59	56
Wholesale	736	978	1,243	1,653	1,736	1,746	1,568	876	204	736	1,736
	795	1,039	1,319	1,703	1,792	1,789	1,610	898	214	795	1,792
Other International											
Retail	345	335	373	355	380	348	330	392	356	345	380
Wholesale	451	492	541	435	567	433	521	602	579	451	567
	796	827	914	790	947	781	851	994	935	796	947
Total											
Retail	963	959	1,060	1,044	1,078	1,035	1,023	1,038	990	963	1,078
Wholesale	1,613	1,937	2,189	2,515	2,825	2,681	2,680	2,082	1,295	1,613	2,825
Total gross impaired loans	2,576	2,896	3,249	3,559	3,903	3,716	3,703	3,120	2,285	2,576	3,903

¹ Wholesale - Real estate and related gross impaired loans in Q4/17 is comprised of amounts based in Canada of \$187 million, United States of \$68 million and Other International of \$90 million.

² Geographic information is based on residence of borrower.

³ Includes acquired credit-impaired loans related to the acquisition of City National.

GROSS IMPAIRED LOANS <i>continued</i> (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Impaired loan book movements (Change in gross impaired loans)											
Impaired loans beginning balance											
Retail	959	1,060	1,044	1,078	1,035	1,023	1,038	990	1,032	1,078	990
Wholesale	1,937	2,189	2,515	2,825	2,681	2,680	2,082	1,295	1,347	2,825	1,295
	2,896	3,249	3,559	3,903	3,716	3,703	3,120	2,285	2,379	3,903	2,285
Classified as impaired during the period (New impaired) ¹											
Retail	322	278	314	305	345	314	350	275	243	1,219	1,284
Wholesale	203	216	287	344	572	520	1,028	269	123	1,050	2,389
	525	494	601	649	917	834	1,378	544	366	2,269	3,673
Transferred to not impaired during the period (Return to performing status) ¹											
Retail	-	-	-	(3)	-	-	-	-	-	(3)	-
Wholesale	(176)	(41)	(409)	(138)	(183)	(50)	(95)	(4)	(21)	(764)	(332)
	(176)	(41)	(409)	(141)	(183)	(50)	(95)	(4)	(21)	(767)	(332)
Net repayments											
Retail	(29)	(44)	(19)	(19)	(9)	(15)	(6)	(13)	(4)	(111)	(43)
Wholesale	(284)	(181)	(201)	(415)	(266)	(333)	(142)	(162)	(60)	(1,081)	(903)
	(313)	(225)	(220)	(434)	(275)	(348)	(148)	(175)	(64)	(1,192)	(946)
Amounts written off											
Retail	(302)	(297)	(299)	(301)	(303)	(308)	(309)	(282)	(273)	(1,199)	(1,202)
Wholesale	(82)	(54)	(55)	(35)	(51)	(169)	(36)	(65)	(101)	(226)	(321)
	(384)	(351)	(354)	(336)	(354)	(477)	(345)	(347)	(374)	(1,425)	(1,523)
Recoveries of loans and advances previously written off											
Retail	-	-	-	-	-	-	-	-	-	-	-
Wholesale	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-
Disposal of loans (sold) ¹											
Retail	-	-	-	-	-	-	-	-	-	-	-
Wholesale	(22)	(10)	(33)	(2)	-	(61)	(6)	-	-	(67)	(67)
	(22)	(10)	(33)	(2)	-	(61)	(6)	-	-	(67)	(67)
Exchange and other movements ¹											
Retail	13	(38)	20	(16)	10	21	(50)	68	(8)	(21)	49
Wholesale	37	(182)	85	(64)	72	94	(151)	749	7	(124)	764
	50	(220)	105	(80)	82	115	(201)	817	(1)	(145)	813
Balance at end of period											
Retail	963	959	1,060	1,044	1,078	1,035	1,023	1,038	990	963	1,078
Wholesale	1,613	1,937	2,189	2,515	2,825	2,681	2,680	2,082	1,295	1,613	2,825
	2,576	2,896	3,249	3,559	3,903	3,716	3,703	3,120	2,285	2,576	3,903

Net impaired loans by geography ² and portfolio											
Canada											
Residential mortgages	292	294	330	339	333	337	331	320	329	292	333
Personal	107	106	114	123	123	131	141	126	127	107	123
Small business	19	20	22	21	26	25	23	23	26	19	26
Retail	418	420	466	483	482	493	495	469	482	418	482
Business	302	339	284	308	403	375	377	404	401	302	403
Sovereign	-	-	-	-	-	-	-	-	-	-	-
Bank	-	-	-	-	-	-	-	-	-	-	-
Wholesale	302	339	284	308	403	375	377	404	401	302	403
United States ³											
Retail	58	60	75	49	54	42	41	21	9	58	54
Wholesale	586	740	1,034	1,458	1,559	1,569	1,419	826	157	586	1,559
	644	800	1,109	1,507	1,613	1,611	1,460	847	166	644	1,613
Other International											
Retail	177	172	193	186	200	180	165	199	187	177	200
Wholesale	298	347	368	260	396	304	356	415	395	298	396
	475	519	561	446	596	484	521	614	582	475	596
Total											
Retail	653	652	734	718	736	715	701	689	678	653	736
Wholesale	1,186	1,426	1,686	2,026	2,358	2,248	2,152	1,645	953	1,186	2,358
Total net impaired loans	1,839	2,078	2,420	2,744	3,094	2,963	2,853	2,334	1,631	1,839	3,094

¹ Certain GIL movements for Canadian Banking retail and wholesale portfolios are generally allocated to New Impaired, as Return to performing status, Net repayments, Sold, and Exchange and other movements amounts are not reasonably determinable. Certain GIL movements for Caribbean Banking retail and wholesale portfolios are generally allocated to Net repayments and New Impaired, as Return to performing status, Sold, and Exchange and other movements amounts are not reasonably determinable. For Q1/16, Exchange and other movements includes \$680 million of acquired credit impaired loans from City National at the acquisition date.

² Geographic information is based on residence of borrower, net of allowance for impaired loans.

³ Includes acquired credit-impaired loans related to the acquisition of City National.

GROSS IMPAIRED LOANS <i>continued</i> (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Net write-offs by geography¹ and portfolio											
Canada											
Residential mortgages	8	7	7	6	4	7	5	5	8	28	21
Personal	105	99	106	108	111	110	115	103	98	418	439
Credit cards	102	108	109	107	106	114	112	104	91	426	436
Small business	8	6	9	6	8	9	6	7	6	29	30
Retail	223	220	231	227	229	240	238	219	203	901	926
Business	17	22	17	3	33	103	19	21	69	59	176
Sovereign	-	-	-	-	-	-	-	-	-	-	-
Bank	-	-	-	-	-	-	-	-	-	-	-
Wholesale	17	22	17	3	33	103	19	21	69	59	176
United States²											
Retail	1	-	1	1	-	(1)	1	-	1	3	-
Wholesale	52	11	26	7	9	24	(1)	39	5	96	71
	53	11	27	8	9	23	-	39	6	99	71
Other International											
Retail	11	6	7	7	9	7	6	6	9	31	28
Wholesale	6	1	5	(7)	1	31	5	(1)	18	5	36
	17	7	12	-	10	38	11	5	27	36	64
Total											
Retail	235	226	239	235	238	246	245	225	213	935	954
Wholesale	75	34	48	3	43	158	23	59	92	160	283
Total net write-offs	310	260	287	238	281	404	268	284	305	1,095	1,237

¹ Geographic information is based on residence of borrower.

² Includes acquired credit-impaired loans related to the acquisition of City National.

PROVISION FOR CREDIT LOSSES (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Provision for credit losses on impaired loans by portfolio and sector											
Retail											
Residential mortgages	20	10	20	6	28	11	10	28	11	56	77
Personal	102	101	97	109	118	110	112	118	96	409	458
Credit cards	107	108	110	110	107	116	115	104	94	435	442
Small business	10	7	8	7	9	8	9	8	7	32	34
	239	226	235	232	262	245	246	258	208	932	1,011
Wholesale											
Business											
Agriculture	(2)	1	-	3	2	3	4	1	-	2	10
Automotive	6	1	-	7	3	-	9	1	-	14	13
Consumer goods	8	2	3	(2)	6	9	-	5	12	11	20
Energy											
Oil and gas	(18)	(2)	32	(39)	69	30	115	106	23	(27)	320
Utilities	-	5	-	-	(1)	4	(5)	18	-	5	16
Financing products	-	(18)	(1)	-	1	(1)	1	-	1	(19)	1
Forest products	1	-	2	1	1	1	2	-	7	4	4
Health services	2	4	2	2	2	2	-	-	-	10	4
Holding and investments	-	(1)	1	1	4	(4)	(1)	1	2	1	-
Industrial products	5	5	3	3	2	6	2	2	2	16	12
Mining and metals	-	-	(4)	-	1	4	1	1	6	(4)	7
Non-bank financial services	(1)	3	-	-	-	-	-	-	6	2	-
Other services	6	3	8	3	(13)	2	6	-	1	20	(5)
Real estate and related ¹	(12)	58	3	66	6	3	17	10	(3)	115	36
Technology and media	(3)	7	3	6	6	1	1	-	4	13	8
Transportation and environment	-	-	1	1	(3)	(2)	3	(2)	1	-	(4)
Other	3	25	13	12	13	9	7	7	5	53	36
Sovereign	-	-	-	-	-	-	-	-	-	-	-
Bank	-	-	-	-	(3)	-	-	-	-	-	(3)
	(5)	93	66	62	96	67	162	150	67	216	475
Acquired credit-impaired loans	-	1	1	-	-	6	2	2	-	2	10
Total provision for credit losses on impaired loans	234	320	302	294	358	318	410	410	275	1,150	1,496
Total provision for credit losses for loans not yet identified as impaired	-	-	-	-	-	-	50	-	-	-	50
Total provision for credit losses	234	320	302	294	358	318	460	410	275	1,150	1,546
Individually assessed	(30)	62	28	26	55	38	136	122	46	86	351
Collectively assessed	264	258	274	268	303	280	324	288	229	1,064	1,195
Total provision for credit losses	234	320	302	294	358	318	460	410	275	1,150	1,546
Provision for credit losses on impaired loans by geography ² and portfolio											
Canada											
Residential mortgages	11	7	9	6	16	7	8	11	8	33	42
Personal	103	101	100	109	116	110	117	116	102	413	459
Credit cards	102	107	109	108	105	114	113	103	93	426	435
Small business	10	7	8	7	9	8	9	8	7	32	34
Retail	226	222	226	230	246	239	247	238	210	904	970
Business	19	37	28	11	31	20	45	117	35	95	213
Sovereign	-	-	-	-	-	-	-	-	-	-	-
Bank	-	-	-	-	-	-	-	-	-	-	-
Wholesale	19	37	28	11	31	20	45	117	35	95	213
Total Canada	245	259	254	241	277	259	292	355	245	999	1,183
United States ³											
Retail	2	-	1	-	-	1	-	-	-	3	1
Wholesale	(34)	67	42	42	20	57	112	38	19	117	227
	(32)	67	43	42	20	58	112	38	19	120	228
Other International											
Retail	11	4	8	2	17	5	(1)	20	(2)	25	41
Wholesale	10	(10)	(3)	9	44	(4)	7	(3)	13	6	44
	21	(6)	5	11	61	1	6	17	11	31	85
Total											
Retail	239	226	235	232	263	245	246	258	208	932	1,012
Wholesale	(5)	94	67	62	95	73	164	152	67	218	484
	234	320	302	294	358	318	410	410	275	1,150	1,496

¹ Wholesale - Real estate and related provision for credit losses in Q4/17 are comprised of losses based in Canada of \$2 million, United States of \$(18) million, and Other International of \$4 million.

² Geographic information is based on residence of borrower.

³ Includes acquired credit-impaired loans related to the acquisition of City National.

ALLOWANCE FOR CREDIT LOSSES (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Allowance for credit losses on impaired loans by portfolio and sector											
Retail											
Residential mortgages	169	161	175	163	177	165	161	180	159	169	177
Personal	121	127	132	142	144	135	139	150	134	121	144
Small business	19	18	18	20	20	20	22	19	19	19	20
	309	306	325	325	341	320	322	349	312	309	341
Wholesale											
Business											
Agriculture	3	5	5	6	6	8	6	5	6	3	6
Automotive	11	6	6	22	14	13	13	5	5	11	14
Consumer goods	14	18	20	25	31	30	30	27	26	14	31
Energy											
Oil and gas	97	128	154	137	176	118	198	94	25	97	176
Utilities	-	-	3	4	5	6	3	28	10	-	5
Financing products	22	22	43	42	44	42	41	45	42	22	44
Forest products	3	2	6	4	5	4	3	16	16	3	5
Health services	9	8	6	6	6	6	6	6	6	9	6
Holding and investments	7	8	10	9	9	7	39	45	43	7	9
Industrial products	17	14	12	10	12	13	12	12	14	17	12
Mining and metals	4	4	4	8	9	9	5	5	5	4	9
Non-bank financial services	2	4	1	1	-	-	-	-	-	2	-
Other services	21	19	24	22	21	40	39	24	25	21	21
Real estate and related ¹	117	155	115	116	59	63	70	68	66	117	59
Technology and media	26	34	26	23	24	12	12	11	12	26	24
Transportation and environment	8	10	11	11	11	13	18	17	17	8	11
Other	64	72	55	42	33	39	27	25	22	64	33
Sovereign	-	-	-	-	-	-	-	-	-	-	-
Bank	-	-	-	-	-	2	2	2	2	-	-
	425	509	501	488	465	425	524	435	342	425	465
Acquired credit-impaired loans	3	3	3	2	3	8	4	2	-	3	3
Total	737	818	829	815	809	753	850	786	654	737	809
Allowance for loans not yet identified as impaired											
Retail											
Residential mortgages	128	93	98	95	96	93	81	86	83	128	96
Personal	391	377	386	384	385	386	395	398	396	391	385
Credit cards	379	386	386	387	386	385	386	386	386	379	386
Small business	37	40	45	45	45	45	45	45	45	37	45
	935	896	915	911	912	909	907	915	910	935	912
Wholesale	487	522	514	513	514	515	514	468	465	487	514
Off-balance sheet and other items	91	91	91	91	91	91	91	91	91	91	91
Total	1,513	1,509	1,520	1,515	1,517	1,515	1,512	1,474	1,466	1,513	1,517
Total allowance for credit losses	2,250	2,327	2,349	2,330	2,326	2,268	2,362	2,260	2,120	2,250	2,326
Individually assessed - Impaired	304	383	377	377	365	322	430	340	252	304	365
Collectively assessed - Impaired	433	435	452	438	444	431	420	446	402	433	444
Collectively assessed - Not yet identified as impaired	1,513	1,509	1,520	1,515	1,517	1,515	1,512	1,474	1,466	1,513	1,517
Total allowance for credit losses	2,250	2,327	2,349	2,330	2,326	2,268	2,362	2,260	2,120	2,250	2,326

¹ Wholesale - Real estate and related allowance for credit losses in Q4/17 is comprised of allowances based in Canada of \$36 million, United States of \$52 million and Other International of \$29 million.

ALLOWANCE FOR CREDIT LOSSES <i>continued</i> (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Allowance for credit losses on impaired loans by geography¹ and portfolio											
Canada											
Residential mortgages	31	30	32	33	35	29	29	30	27	31	35
Personal	91	95	95	103	105	102	105	106	96	91	105
Small business	19	18	18	20	20	20	22	19	19	19	20
Retail	141	143	145	156	160	151	156	155	142	141	160
Business	124	128	121	119	119	127	214	200	111	124	119
Sovereign	-	-	-	-	-	-	-	-	-	-	-
Bank	-	-	-	-	-	-	-	-	-	-	-
Wholesale	124	128	121	119	119	127	214	200	111	124	119
Canada - Total	265	271	266	275	279	278	370	355	253	265	279
United States²											
Retail	1	1	1	1	2	1	1	1	1	1	2
Wholesale	150	238	209	195	177	177	149	50	47	150	177
United States - Total	151	239	210	196	179	178	150	51	48	151	179
Other International											
Retail	168	163	180	169	180	168	165	193	169	168	180
Wholesale	153	145	173	175	171	129	165	187	184	153	171
Other International - Total	321	308	353	344	351	297	330	380	353	321	351
Total allowance for impaired loans	737	818	829	815	809	753	850	786	654	737	809
Total allowance for loans not yet identified as impaired	1,513	1,509	1,520	1,515	1,517	1,515	1,512	1,474	1,466	1,513	1,517
Total allowance for credit losses	2,250	2,327	2,349	2,330	2,326	2,268	2,362	2,260	2,120	2,250	2,326
Allowance for credit losses by type											
Allowance for loan losses	2,159	2,236	2,258	2,239	2,235	2,177	2,271	2,169	2,029	2,159	2,235
Allowance for off-balance sheet items	91	91	91	91	91	91	91	91	91	91	91
Total	2,250	2,327	2,349	2,330	2,326	2,268	2,362	2,260	2,120	2,250	2,326
Impairment allowance - movements (Allowance for credit losses continuity)											
Allowance for impaired loans²											
Balance at beginning of period	818	829	815	809	753	850	786	654	702	809	654
Amounts written off	(384)	(351)	(354)	(336)	(354)	(477)	(345)	(347)	(374)	(1,425)	(1,523)
Recoveries of amounts written off in previous periods	74	91	67	98	73	73	77	63	69	330	286
Charge to income statement (Provision for credit losses) ³	234	320	302	294	358	318	410	410	275	1,150	1,496
Disposal of loans ³	-	-	-	-	-	-	-	-	-	-	-
Exchange and other movements ⁴	(5)	(71)	(1)	(50)	(21)	(11)	(78)	6	(18)	(127)	(104)
Balance at the end of the period	737	818	829	815	809	753	850	786	654	737	809
Allowance for loans not yet identified as impaired											
Balance at beginning of period	1,509	1,520	1,515	1,517	1,515	1,512	1,474	1,466	1,467	1,517	1,466
Amounts written off	-	-	-	-	-	-	-	-	-	-	-
Recoveries of amounts written off in previous periods	-	-	-	-	-	-	-	-	-	-	-
Charge to income statement (Provision for credit losses) ³	-	-	-	-	-	-	50	-	-	-	50
Disposal of loans ³	-	-	-	-	-	-	-	-	-	-	-
Exchange and other movements ⁴	4	(11)	5	(2)	2	3	(12)	8	(1)	(4)	1
Balance at end of the period	1,513	1,509	1,520	1,515	1,517	1,515	1,512	1,474	1,466	1,513	1,517
Impairment allowance (Allowance for credit losses)	2,250	2,327	2,349	2,330	2,326	2,268	2,362	2,260	2,120	2,250	2,326

¹ Geographic information is based on residence of borrower.

² Includes acquired credit-impaired loans related to the acquisition of City National.

³ PCL related to the sale of impaired loans is now presented in Disposal of loans.

⁴ Exchange and other movements include primarily foreign exchange translations on non-Canadian dollar denominated ACL.

CREDIT QUALITY RATIOS	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Diversification ratios											
Portfolio as a % of Total loans and acceptances											
Retail	69%	69%	68%	69%	69%	69%	69%	68%	71%	69%	69%
Wholesale	31%	31%	32%	31%	31%	31%	31%	32%	29%	31%	31%
Canada	82%	82%	79%	80%	80%	80%	80%	78%	85%	82%	80%
United States	13%	13%	15%	14%	14%	14%	14%	15%	8%	13%	14%
Other International	5%	5%	6%	6%	6%	6%	6%	7%	7%	5%	6%
Condition ratios											
Gross Impaired Loans (GILs) as a % of Related loans and acceptances											
Retail	0.46%	0.53%	0.59%	0.66%	0.73%	0.70%	0.71%	0.59%	0.47%	0.46%	0.73%
Wholesale	0.25%	0.25%	0.28%	0.28%	0.29%	0.28%	0.28%	0.29%	0.28%	0.25%	0.29%
Canada	0.92%	1.13%	1.25%	1.50%	1.69%	1.61%	1.63%	1.22%	0.93%	0.92%	1.69%
United States	0.21%	0.23%	0.23%	0.25%	0.27%	0.27%	0.30%	0.29%	0.27%	0.21%	0.27%
Other International	1.09%	1.43%	1.63%	2.27%	2.34%	2.36%	2.20%	1.13%	0.53%	1.09%	2.34%
Net Impaired Loans as a % of Related loans and acceptances	2.73%	2.84%	2.93%	2.64%	3.20%	2.42%	2.66%	2.80%	2.83%	2.73%	3.20%
Net Impaired Loans as a % of Related loans and acceptances											
Retail	0.33%	0.38%	0.44%	0.51%	0.58%	0.56%	0.54%	0.44%	0.33%	0.33%	0.58%
Wholesale	0.17%	0.17%	0.20%	0.19%	0.20%	0.20%	0.19%	0.19%	0.19%	0.17%	0.20%
Canada	0.67%	0.83%	0.96%	1.21%	1.41%	1.35%	1.31%	0.96%	0.68%	0.67%	1.41%
United States	0.16%	0.17%	0.17%	0.18%	0.21%	0.21%	0.21%	0.21%	0.21%	0.16%	0.21%
Other International	0.88%	1.11%	1.37%	2.01%	2.11%	2.12%	1.99%	1.07%	0.41%	0.88%	2.11%
PCL as a % of Average net loans and acceptances	1.63%	1.78%	1.80%	1.49%	2.02%	1.50%	1.63%	1.73%	1.76%	1.63%	2.02%
PCL on impaired loans as a % of Related average net loans and acceptances											
Retail	0.17%	0.23%	0.23%	0.22%	0.27%	0.24%	0.36%	0.31%	0.23%	0.21%	0.29%
Wholesale	0.17%	0.23%	0.23%	0.22%	0.27%	0.24%	0.32%	0.31%	0.23%	0.21%	0.28%
Canada	0.25%	0.24%	0.26%	0.25%	0.29%	0.27%	0.28%	0.29%	0.24%	0.24%	0.28%
United States	(0.01%)	0.22%	0.16%	0.15%	0.23%	0.18%	0.40%	0.37%	0.20%	0.13%	0.29%
Other International	0.22%	0.23%	0.24%	0.22%	0.26%	0.24%	0.29%	0.33%	0.24%	0.22%	0.28%
PCL on impaired loans as a % of Related average net loans and acceptances	(0.18%)	0.35%	0.23%	0.22%	0.11%	0.31%	0.60%	0.24%	0.19%	0.16%	0.32%
Other International	0.30%	(0.08%)	0.08%	0.14%	0.79%	0.03%	0.08%	0.18%	0.13%	0.11%	0.26%
Coverage ratios											
ACL as a % of Total loans and acceptances											
ACL against impaired loans as a % of Total loans and acceptances	0.40%	0.42%	0.43%	0.43%	0.43%	0.43%	0.45%	0.43%	0.43%	0.40%	0.43%
Retail	0.13%	0.15%	0.15%	0.15%	0.15%	0.14%	0.16%	0.15%	0.13%	0.13%	0.15%
Wholesale	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.06%	0.07%	0.06%	0.06%	0.06%
ACL against impaired loans as a % of GIL	0.08%	0.09%	0.09%	0.09%	0.09%	0.08%	0.10%	0.08%	0.07%	0.08%	0.09%
Retail	28.61%	28.24%	25.52%	22.90%	20.72%	20.28%	22.95%	25.20%	28.64%	28.61%	20.72%
Wholesale	32.16%	31.98%	30.78%	31.20%	31.69%	30.93%	31.45%	33.63%	31.54%	32.16%	31.69%
Total net write-offs as a % of Related average net loans and acceptances	26.49%	26.39%	22.98%	19.45%	16.53%	16.16%	19.71%	21.00%	26.42%	26.49%	16.53%
Retail	0.23%	0.19%	0.22%	0.18%	0.21%	0.30%	0.21%	0.22%	0.25%	0.20%	0.23%
Wholesale	0.25%	0.24%	0.26%	0.25%	0.26%	0.27%	0.28%	0.25%	0.24%	0.25%	0.26%
Canada	0.17%	0.08%	0.12%	0.01%	0.10%	0.38%	0.06%	0.14%	0.27%	0.09%	0.17%
United States	0.21%	0.22%	0.24%	0.21%	0.24%	0.32%	0.25%	0.22%	0.26%	0.21%	0.26%
Other International	0.30%	0.06%	0.14%	0.04%	0.05%	0.13%	0.00%	0.24%	0.06%	0.13%	0.10%
Other International	0.23%	0.11%	0.15%	0.01%	0.13%	0.47%	0.14%	0.06%	0.33%	0.12%	0.20%

GROSS CREDIT RISK EXPOSURE BY GEOGRAPHY AND PORTFOLIO ¹ (Millions of Canadian dollars)	Lending-related and other		Trading-related		Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	
	Loans and acceptances				Total	Total	Total	Total	Total	Total	Total	Total	Total	
	Outstanding	Undrawn commitments	Other ²	Repo-style transactions ³	Derivatives ^{4,5}									
Credit risk exposure by geography ⁶ and portfolio														
Canada														
Residential mortgages	255,799	813	202	-	-	256,814	252,245	246,753	244,851	242,961	239,256	234,726	233,322	230,161
Personal	82,022	87,256	155	-	-	169,435	169,844	166,561	164,650	164,224	164,817	163,072	162,164	163,183
Credit cards	17,491	20,799	-	-	-	38,290	38,580	40,253	43,781	40,294	39,537	36,609	36,357	39,572
Small business	4,493	6,872	6	-	-	11,371	11,318	11,029	10,167	10,071	9,908	9,584	9,464	9,382
Retail	359,805	115,742	363	-	-	475,910	470,987	464,586	463,459	457,550	453,518	444,891	442,307	442,298
Business	88,452	35,612	16,514	38,410	16,562	195,550	177,617	181,712	173,493	177,271	173,743	163,078	176,441	168,763
Sovereign	9,379	4,636	17,822	18,006	3,057	52,900	47,679	55,096	57,597	55,876	57,009	58,634	58,703	52,025
Bank	1,327	259	66,041	11,863	4,399	83,889	90,541	81,778	76,807	76,941	75,329	71,641	63,842	58,594
Wholesale	99,158	40,507	100,377	68,279	24,018	332,339	315,837	318,586	307,897	310,088	306,081	293,353	298,986	279,382
Total Canada	458,963	156,249	100,740	68,279	24,018	808,249	786,824	783,172	771,356	767,638	759,599	738,244	741,293	721,680
United States														
Residential mortgages	11,449	1	36	-	-	11,486	10,644	11,171	10,312	10,094	9,107	8,394	8,997	773
Personal	6,357	607	18	-	-	6,982	6,999	7,553	7,202	7,270	6,956	6,891	7,499	4,907
Credit cards	294	940	-	-	-	1,234	1,123	1,284	1,044	1,002	931	882	1,068	718
Small business	-	6	-	-	-	6	6	-	-	-	-	-	-	-
Retail	18,100	1,554	54	-	-	19,708	18,772	20,008	18,558	18,366	16,994	16,167	17,564	6,398
Business	51,605	59,415	16,483	213,757	10,054	351,314	332,035	364,127	329,855	318,136	322,370	284,884	310,655	245,883
Sovereign	934	2,863	50,736	7,222	902	62,657	58,997	50,483	35,109	42,463	42,761	39,673	33,015	20,983
Bank	2,498	607	12,509	37,904	3,377	56,895	55,482	59,920	73,530	70,754	68,698	69,056	72,410	70,912
Wholesale	55,037	62,885	79,728	258,883	14,333	470,866	446,514	474,530	438,494	431,363	433,829	393,613	416,080	337,778
Total United States	73,137	64,439	79,782	258,883	14,333	490,574	465,286	494,538	457,052	449,729	450,823	409,780	433,644	344,176
Other International														
Residential mortgages	3,100	4	31	-	-	3,135	2,974	3,231	3,119	3,220	3,187	3,094	3,542	3,247
Personal	3,915	255	3	-	-	4,173	4,070	4,459	4,226	4,644	4,750	4,884	5,402	5,295
Credit cards	250	87	-	-	-	337	328	408	407	403	387	380	411	396
Small business	-	10	-	-	-	10	10	-	-	-	1	-	-	-
Retail	7,265	356	34	-	-	7,655	7,382	8,098	7,752	8,267	8,325	8,358	9,355	8,938
Business	20,385	18,892	7,762	82,091	22,292	151,422	143,658	150,290	147,082	131,225	137,498	130,764	133,529	127,523
Sovereign	1,049	3,907	42,023	10,000	10,397	67,376	69,786	77,701	64,671	59,257	57,015	52,352	52,994	40,939
Bank	436	557	54,094	56,579	15,959	127,625	121,246	123,847	113,680	105,278	97,630	90,163	98,999	89,007
Wholesale	21,870	23,356	103,879	148,670	48,648	346,423	334,690	351,838	325,433	295,760	292,143	273,279	285,522	257,469
Total Other International	29,135	23,712	103,913	148,670	48,648	354,078	342,072	359,936	333,185	304,027	300,468	281,637	294,877	266,407
Total exposure	561,235	244,400	284,435	475,832	86,999	1,652,901	1,594,182	1,637,646	1,561,593	1,521,394	1,510,890	1,429,661	1,469,814	1,332,263

¹ Gross credit risk exposure is before allowance for loan losses. Exposure under Basel III asset classes of qualifying revolving retail and other retail are largely included within Personal and Credit cards, while home equity lines of credit are included in Personal.

² Includes contingent liabilities such as letters of credit and guarantees, available-for-sale debt securities, deposits with financial institutions and other assets.

³ Includes repurchase and reverse repurchase agreements and securities lending and borrowing transactions.

⁴ For derivative related credit risk, we utilize the OSFI prescribed Current Exposure Method. Wrong-way risk, which arises when the exposure to a counterparty is positively correlated to the probability of default of that counterparty, is considered in our determination of exposure.

⁵ Credit equivalent amount after factoring in master netting agreements.

⁶ Geographic profile is primarily based on country of residence of the borrower.

RECONCILIATION OF GROSS CREDIT RISK EXPOSURE TO BALANCE SHEET (Millions of Canadian dollars)	Q4/17							
	Lending-related and other			Trading-related		Amount included in credit risk	Amount not included in credit risk	Total assets per balance sheet
	Loans and acceptances			Repo-style transactions	Derivatives			
	Outstanding	Undrawn commitments	Other					
On-balance sheet assets								
Cash and due from banks	-	-	26,876	-	-	26,876	1,531	28,407
Interest-bearing deposits with banks	-	-	32,662	-	-	32,662	-	32,662
Securities								
Trading	-	-	-	-	-	-	127,657	127,657
Available-for-sale	-	-	90,722	-	-	90,722	-	90,722
Assets purchased under reverse repurchase agreements and securities borrowed	-	-	-	220,977	-	220,977	-	220,977
Loans								
Retail	385,170	-	-	-	-	385,170	-	385,170
Wholesale	159,606	-	-	-	-	159,606	-	159,606
Allowance for loan losses	-	-	-	-	-	-	(2,159)	(2,159)
Customers' liability under acceptances	16,459	-	-	-	-	16,459	-	16,459
Derivatives	-	-	-	-	95,023	95,023	-	95,023
Other ¹	-	-	8,364	-	-	8,364	49,965	58,329
Total balance sheet assets	561,235	-	158,624	220,977	95,023	1,035,859	176,994	1,212,853
Undrawn commitments	-	244,400	-	-	-	244,400		
Repo-style transactions ²	-	-	-	213,916	-	213,916		
Netting and other valuation adjustments ³	-	-	-	40,939	(8,024)	32,915		
Other ⁴	-	-	125,811	-	-	125,811		
Total credit risk exposure	561,235	244,400	284,435	475,832	86,999	1,652,901		

¹ Represents other on-balance sheet assets such as goodwill, other intangibles, receivables, premises and equipment.

² Collateral on Obligations related to assets sold under repurchase agreements and securities loaned, and off-balance sheet securities borrowing and lending.

³ Impact of netting agreements and other valuation adjustments on derivatives and repo-style transactions.

⁴ Represents commitments related to securities lending indemnifications, financial guarantees and letters of credit.

EXPOSURE COVERED BY CREDIT RISK MITIGATION (Millions of Canadian dollars)	Q4/17				Q3/17				Q2/17				Q1/17			
	Standardized		IRB ²		Standardized		IRB ²		Standardized		IRB ²		Standardized		IRB ²	
	Eligible financial collateral ¹	Guarantees/credit derivatives	Guarantees/credit derivatives	Total	Eligible financial collateral ¹	Guarantees/credit derivatives	Guarantees/credit derivatives	Total	Eligible financial collateral ¹	Guarantees/credit derivatives	Guarantees/credit derivatives	Total	Eligible financial collateral ¹	Guarantees/credit derivatives	Guarantees/credit derivatives	Total
Retail																
Residential mortgages	-	14,702	86,998	101,700	-	14,362	89,780	104,142	-	13,540	91,067	104,607	-	14,489	85,119	99,608
Personal	-	4,878	969	5,847	-	4,735	1,018	5,753	-	4,656	1,076	5,732	-	4,660	1,050	5,710
Small business	-	-	388	388	-	-	364	364	-	-	343	343	-	-	291	291
	-	19,580	88,355	107,935	-	19,097	91,162	110,259	-	18,196	92,486	110,682	-	19,149	86,460	105,609
Wholesale																
Business	11,832	-	3,352	15,184	10,397	-	3,417	13,814	8,414	-	3,258	11,672	7,123	-	3,396	10,519
Sovereign	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11,832	-	3,352	15,184	10,397	-	3,417	13,814	8,414	-	3,258	11,672	7,123	-	3,396	10,519
Total exposure covered by credit risk mitigation	11,832	19,580	91,707	123,119	10,397	19,097	94,579	124,073	8,414	18,196	95,744	122,354	7,123	19,149	89,856	116,128

CREDIT EXPOSURE BY RESIDUAL CONTRACTUAL MATURITY (Millions of Canadian dollars)	Q4/17				Q3/17				Q2/17				Q1/17			
	Residual contractual maturity term				Residual contractual maturity term				Residual contractual maturity term				Residual contractual maturity term			
	Within 1 year	1 to 5 years	Over 5 years	Total	Within 1 year	1 to 5 years	Over 5 years	Total	Within 1 year	1 to 5 years	Over 5 years	Total	Within 1 year	1 to 5 years	Over 5 years	Total
Lending-related and other																
Outstanding loans and acceptances	246,894	288,238	26,103	561,235	243,378	280,748	27,390	551,516	250,084	273,827	25,108	549,019	222,167	277,982	38,059	538,208
Undrawn commitments	165,137	75,992	3,271	244,400	161,798	73,550	2,328	237,676	167,742	77,319	3,163	248,224	162,399	75,949	1,981	240,329
Other ³	212,727	43,722	27,986	284,435	203,079	41,165	27,415	271,659	207,164	46,451	23,766	277,381	184,628	45,612	28,110	258,350
	624,758	407,952	57,360	1,090,070	608,255	395,463	57,133	1,060,851	624,990	397,597	52,037	1,074,624	569,194	399,543	68,150	1,036,887
Trading-related																
Repo-style transactions ⁴	456,754	19,078	-	475,832	420,707	25,182	-	445,889	449,577	19,873	-	469,450	421,755	18,437	-	440,192
Derivatives ⁵	28,005	29,035	29,959	86,999	26,894	29,561	30,987	87,442	31,696	29,359	32,517	93,572	26,957	27,827	29,730	84,514
	484,759	48,113	29,959	562,831	447,601	54,743	30,987	533,331	481,273	49,232	32,517	563,022	448,712	46,264	29,730	524,706
Total exposure⁶	1,109,517	456,065	87,319	1,652,901	1,055,856	450,206	88,120	1,594,182	1,106,263	446,829	84,554	1,637,646	1,017,906	445,807	97,880	1,561,593

¹ Eligible financial collateral includes cash and deposits, as well as qualifying debt securities, equities and mutual funds.

² Under the IRB Approach, disclosure on eligible financial collateral is not required as the benefit the collateral provides has been taken into account in the Loss Given Default (LGD) estimates in our internal LGD risk rating system.

³ Includes contingent liabilities such as letters of credit and guarantees, available-for-sale debt securities, deposits with financial institutions and other assets.

⁴ Includes repurchase and reverse repurchase agreements and securities lending and borrowing transactions.

⁵ Credit equivalent amount after factoring in master netting agreements.

⁶ Represents exposure at default, which is the expected gross exposure upon the default of an obligor. This amount is before allowance for loan losses and does not reflect the impact of credit risk mitigation.

CREDIT EXPOSURE OF PORTFOLIOS UNDER THE STANDARDIZED APPROACH BY RISK WEIGHT (Millions of Canadian dollars, except percentage amounts)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15
	Gross exposure ¹								
Risk weight ²									
0%	12,557	11,554	10,429	9,859	13,379	6,182	7,158	4,440	1,664
20%	22,391	18,783	17,704	18,524	20,764	15,783	13,771	13,650	984
35%	13,737	12,163	11,973	11,851	11,398	10,346	9,674	10,358	5,073
50%	493	868	562	732	1,138	3,977	3,793	4,446	3,430
75%	28,355	27,875	27,558	27,992	28,547	28,536	28,377	29,142	21,889
100%	50,966	49,884	51,239	50,710	51,739	51,473	48,960	56,617	27,700
150%	1,049	942	897	735	754	696	717	1,123	510
Total	129,548	122,069	120,362	120,403	127,719	116,993	112,450	119,776	61,250

ACTUAL LOSSES VS. ESTIMATED LOSSES	Q4/17			Q3/17		Q2/17		Q1/17	
	Actual loss rate ³	Estimated loss rate ⁴	Average historical actual loss rate ⁵	Actual loss rate ³	Estimated loss rate ⁴	Actual loss rate ³	Estimated loss rate ⁴	Actual loss rate ³	Estimated loss rate ⁴
Residential mortgages	0.02%	0.09%	0.02%	0.02%	0.08%	0.03%	0.09%	0.02%	0.09%
Personal	0.44%	0.77%	0.61%	0.46%	0.75%	0.47%	0.78%	0.48%	0.78%
Credit cards	2.48%	3.46%	3.01%	2.51%	3.48%	2.60%	3.66%	2.68%	3.72%
Small business	0.77%	2.49%	1.43%	0.78%	2.53%	0.83%	2.62%	0.86%	2.54%
Retail	0.25%	0.44%	0.35%	0.26%	0.44%	0.26%	0.46%	0.27%	0.46%
Business	0.14%	0.80%	0.32%	0.20%	0.81%	0.19%	0.79%	0.26%	0.70%
Sovereign	0.00%	0.07%	0.00%	0.00%	0.06%	0.00%	0.06%	0.00%	0.05%
Bank	0.00%	0.14%	0.09%	0.00%	0.14%	0.00%	0.17%	0.00%	0.17%
Wholesale	0.13%	0.77%	0.33%	0.19%	0.77%	0.18%	0.75%	0.24%	0.67%

BASEL PILLAR 3 BACK-TESTING (INTERNAL RATINGS BASED) ⁶	Q4 2017					
	Average probability of default (PD)		Average loss given default (LGD)		Average Exposure at Default (EAD) ⁷	
	Actual %	Estimated %	Actual %	Estimated %	Actual %	Estimated %
Retail						
Residential mortgages						
Uninsured	0.51%	1.09%	5.37%	17.14%	100.00%	100.00%
Insured	0.80%	1.96%	n.a.	n.a.	100.00%	100.00%
Personal	0.69%	1.27%	58.53%	61.74%	98.48%	102.05%
Credit cards	0.90%	1.26%	91.59%	95.74%	98.56%	109.21%
Small business	1.86%	4.10%	40.38%	80.94%	97.63%	98.62%
Wholesale						
Business	0.69%	3.30%	16.86%	41.12%	25.19%	52.83%
Sovereign	0.00%	0.50%	n.a.	25.33%	n.a.	44.50%
Bank	0.00%	1.96%	90.70%	44.00%	n.a.	34.63%

BASEL PILLAR 3 BACK-TESTING (INTERNAL RATINGS BASED) ⁸	Q3 2017					
	Average probability of default (PD)		Average loss given default (LGD)		Average Exposure at Default (EAD) ⁷	
	Actual %	Estimated %	Actual %	Estimated %	Actual %	Estimated %
Retail						
Residential mortgages						
Uninsured	0.54%	1.12%	5.38%	17.15%	100.00%	100.00%
Insured	0.86%	1.99%	n.a.	n.a.	100.00%	100.00%
Personal	0.72%	1.29%	58.37%	61.45%	98.41%	101.99%
Credit cards	0.95%	1.49%	91.67%	95.73%	98.52%	109.45%
Small business	2.20%	4.44%	40.01%	81.66%	97.60%	98.68%
Wholesale						
Business	0.77%	3.27%	14.71%	40.85%	26.78%	53.01%
Sovereign	0.05%	0.48%	n.a.	25.52%	n.a.	44.74%
Bank	0.14%	1.81%	89.73%	43.98%	11.13%	31.36%

¹ Represents exposure at default, which is the expected gross exposure upon the default of an obligor. This amount is before allowance for loan losses and does not reflect the impact of credit risk mitigation.

² To determine the appropriate risk weight, credit assessments by OSFI-recognized external credit rating agencies of S&P, Moody's, Fitch and DBRS are used. For rated exposures, primarily in the sovereign and bank classes, we assign the risk weight corresponding to OSFI's standard mapping. For unrated exposures, mainly in the business and retail classes, we generally apply OSFI prescribed risk weights in accordance with OSFI's standards and guidelines taking into consideration certain exposure specific factors including counterparty type, exposure type and credit risk mitigation technique employed.

³ Actual loss reflects internal credit loss experience realized over a given period. Actual loss rate is the sum of provision for credit losses on impaired loans divided by average of loans and acceptances period end outstanding for the current and prior 3-quarter period.

⁴ Estimated loss represents expected loss which is calculated using the Basel III "through the cycle" parameters of probability of default x loss given default x exposure at default, estimated based on available historical loss data for Advanced Internal Ratings Based (AIRB) exposures. Estimated loss rate is the expected loss divided by loans and acceptances outstanding at the beginning of the applicable consecutive 4-quarter period defined above. Actual loss will normally exceed estimated loss during economic downturns and come below in periods of expansion.

⁵ Average annual actual loss rate from fiscal 2003 through to the most recent full year. The information is updated on an annual basis and is based on consolidated results. The Average historical actual loss rate on a continuing operations basis is 0.34%.

⁶ Back-testing is performed to check the effectiveness of the models used to measure PD, LGD and EAD. Estimated percentages are as of July 31, 2016 (July 31, 2015 for Retail LGD) and actual percentages reflect experience in the following 12 months (24 months for Retail LGD).

⁷ For retail, EAD rate represents the utilization of the authorized credit limit. For wholesale, EAD rate represents the utilization of the undrawn amount where the undrawn amount is equal to the authorized credit limit minus the outstanding balance.

⁸ Estimated percentages are as of April 30, 2016 (April 30, 2015 for Retail LGD) and actual percentages reflect experience in the following 12 months (24 months for Retail LGD).

CREDIT QUALITY OF INTERNAL RATINGS BASED (IRB) EXPOSURE - RETAIL PORTFOLIOS BY PORTFOLIO AND RISK RATING (Millions of Canadian dollars, except percentage amounts)		Q4/17									Q3/17								
		Exposure at default (EAD)	Notional of undrawn commitments	Exposure weighted- average EAD % ¹	Exposure weighted- average probability of default (PD) % ²	Exposure weighted- average loss given default (LGD) % ²	Exposure weighted- average risk weight % ²	Risk weighted assets (RWA)	Expected losses (EL)	EL adjusted average risk weight (%)	Exposure at default (EAD) ¹	Notional of undrawn commitments	Exposure weighted- average EAD % ²	Exposure weighted- average probability of default (PD) % ²	Exposure weighted- average loss given default (LGD) % ²	Exposure weighted- average risk weight % ²	Risk weighted assets (RWA)	Expected losses (EL)	EL adjusted average risk weight (%)
Portfolio / Risk Category	PD Range(%)																		
Residential Mortgages and HELOCs Insured Drawn and Undrawn																			
Exceptionally low risk	0.000% to 0.108%	89,257	-	0.00%	0.01%	13.91%	2.47%	2,205	2	2.49%	92,167	-	0.00%	0.01%	13.94%	2.40%	2,216	2	2.43%
	0.109% to 0.214%	19	-	0.00%	0.17%	14.58%	39.88%	8	-	40.82%	24	-	0.00%	0.17%	14.68%	39.88%	9	-	40.82%
Very low risk	0.215% to 0.308%	1,030	70	100.00%	0.30%	13.36%	7.22%	74	-	7.73%	1,077	106	100.00%	0.30%	13.39%	8.51%	92	-	9.03%
	0.309% to 0.590%	151	128	100.00%	0.33%	12.71%	7.28%	11	-	7.80%	222	199	100.00%	0.33%	12.71%	7.28%	16	-	7.80%
Low risk	0.591% to 1.040%	138	-	0.00%	0.69%	15.38%	15.03%	21	-	16.36%	146	-	0.00%	0.69%	15.38%	15.03%	22	-	16.36%
	1.041% to 1.718%	159	25	100.00%	1.17%	13.29%	18.41%	29	-	20.34%	160	32	100.00%	1.17%	13.27%	18.39%	29	-	20.32%
Medium risk	1.719% to 2.969%	113	68	100.00%	2.29%	14.10%	29.34%	33	-	33.34%	234	93	100.00%	2.24%	14.38%	29.67%	69	1	33.66%
	2.970% to 6.430%	23	4	100.00%	3.01%	13.38%	33.35%	8	-	38.39%	116	6	100.00%	3.21%	13.52%	34.87%	41	1	40.35%
High risk	6.431% to 99.99%	13	1	100.00%	62.15%	13.32%	38.58%	5	1	141.65%	66	3	100.00%	22.60%	13.71%	58.35%	39	2	96.80%
Default	100%	3	-	0.00%	100.00%	12.98%	162.26%	5	-	162.26%	4	-	0.00%	100.00%	12.95%	161.90%	6	-	161.90%
Total Insured Drawn & Undrawn		90,906	296	100.00%	0.03%	13.90%	2.64%	2,399	3	2.69%	94,216	439	100.00%	0.05%	13.93%	2.69%	2,539	6	2.77%
Uninsured Undrawn																			
Exceptionally low risk	0.000% to 0.108%	52,074	75,734	68.76%	0.09%	14.79%	3.16%	1,645	7	3.32%	51,349	74,656	68.78%	0.09%	14.79%	3.16%	1,624	7	3.32%
	0.109% to 0.214%	-	-	0.00%	0.00%	0.00%	0.00%	-	-	0.00%	-	-	0.00%	0.00%	0.00%	0.00%	-	-	0.00%
Very low risk	0.215% to 0.308%	28	28	100.00%	0.26%	98.76%	47.70%	13	-	50.87%	29	29	100.00%	0.26%	98.76%	47.70%	14	-	50.87%
	0.309% to 0.590%	-	-	0.00%	0.00%	0.00%	0.00%	-	-	0.00%	-	-	0.00%	0.00%	0.00%	0.00%	-	-	0.00%
Low risk	0.591% to 1.040%	35	35	100.00%	0.69%	16.12%	15.75%	6	-	17.14%	34	34	100.00%	0.69%	16.04%	15.68%	5	-	17.07%
	1.041% to 1.718%	676	969	69.74%	1.08%	15.70%	20.70%	140	1	22.82%	664	952	69.70%	1.08%	15.67%	20.65%	137	1	22.76%
Medium risk	1.719% to 2.969%	686	907	75.59%	2.54%	17.05%	38.42%	263	3	43.84%	691	913	75.71%	2.53%	17.29%	38.75%	268	3	44.20%
	2.970% to 6.430%	40	89	45.38%	5.70%	19.66%	69.89%	28	-	84.17%	67	154	43.56%	5.69%	18.56%	65.81%	44	1	79.23%
High risk	6.431% to 99.99%	60	83	72.44%	21.74%	14.64%	72.78%	44	2	112.66%	64	91	70.43%	21.78%	15.08%	73.78%	47	2	116.85%
Default	100%	-	-	0.00%	100.00%	17.17%	0.00%	-	-	214.62%	-	-	0.00%	100.00%	16.88%	0.00%	-	-	210.99%
Total Uninsured Undrawn		53,599	77,845	68.85%	0.16%	14.88%	3.99%	2,139	13	4.30%	52,898	76,830	68.85%	0.17%	14.89%	4.04%	2,139	14	4.37%
Uninsured Drawn																			
Exceptionally low risk	0.000% to 0.108%	137,332	n.a.	n.a.	0.10%	17.35%	4.23%	5,806	25	4.45%	132,213	n.a.	n.a.	0.10%	17.23%	4.19%	5,540	24	4.41%
	0.109% to 0.214%	-	n.a.	n.a.	-	0.00%	-	-	-	0.00%	-	n.a.	n.a.	0.00%	0.00%	-	-	-	0.00%
Very low risk	0.215% to 0.308%	108	n.a.	n.a.	0.27%	74.99%	36.75%	40	-	39.20%	120	n.a.	n.a.	0.27%	76.51%	37.45%	45	-	39.95%
	0.309% to 0.590%	-	n.a.	n.a.	-	0.00%	-	-	-	0.00%	-	n.a.	n.a.	0.00%	0.00%	-	-	-	0.00%
Low risk	0.591% to 1.040%	7,707	n.a.	n.a.	0.69%	18.96%	18.55%	1,429	10	20.19%	7,327	n.a.	n.a.	0.69%	18.88%	18.47%	1,353	10	20.10%
	1.041% to 1.718%	2,728	n.a.	n.a.	1.08%	15.52%	20.47%	559	5	22.57%	2,738	n.a.	n.a.	1.08%	15.35%	20.23%	554	4	22.30%
Medium risk	1.719% to 2.969%	10,837	n.a.	n.a.	2.15%	19.43%	39.10%	4,238	44	44.23%	10,471	n.a.	n.a.	2.16%	19.50%	39.30%	4,115	43	44.45%
	2.970% to 6.430%	991	n.a.	n.a.	5.70%	19.60%	69.04%	684	11	83.03%	1,149	n.a.	n.a.	5.69%	18.38%	64.66%	743	12	77.74%
High risk	6.431% to 99.99%	2,913	n.a.	n.a.	26.02%	17.01%	81.40%	2,371	128	136.22%	3,247	n.a.	n.a.	23.47%	17.24%	81.92%	2,660	129	131.68%
Default	100%	284	n.a.	n.a.	100.00%	17.21%	48.87%	139	46	248.87%	301	n.a.	n.a.	100.00%	17.11%	53.42%	161	47	248.14%
Total Uninsured Drawn		162,900	n.a.	n.a.	0.95%	17.58%	9.37%	15,266	269	11.43%	157,566	n.a.	n.a.	0.99%	17.48%	9.63%	15,171	269	11.76%
Qualifying Revolving Credit																			
Exceptionally low risk	0.000% to 0.108%	-	-	-	-	-	-	-	-	-	40,335	37,400	77.08%	0.20%	88.60%	9.56%	3,854	73	11.80%
	0.109% to 0.214%	40,591	37,495	77.10%	0.20%	88.58%	9.55%	3,877	73	11.80%	40,335	37,400	77.08%	0.20%	88.60%	9.56%	3,854	73	11.80%
Very low risk	0.215% to 0.308%	8,746	9,591	87.08%	0.27%	75.13%	10.21%	893	18	12.74%	9,118	10,019	86.63%	0.27%	76.04%	10.33%	942	19	12.89%
	0.309% to 0.590%	9,055	9,332	68.85%	0.43%	94.22%	18.78%	1,701	37	23.90%	9,617	10,003	68.81%	0.43%	94.23%	18.72%	1,801	39	23.82%
Low risk	0.591% to 1.040%	5,822	6,391	79.48%	0.71%	88.32%	25.63%	1,492	36	33.36%	5,439	6,029	78.74%	0.71%	87.93%	25.55%	1,389	34	33.26%
	1.041% to 1.718%	4,840	2,051	77.80%	1.54%	89.65%	47.51%	2,300	67	64.80%	4,823	2,038	77.87%	1.55%	89.60%	47.53%	2,292	67	64.84%
Medium risk	1.719% to 2.969%	1,447	811	83.25%	2.39%	84.78%	62.43%	903	30	88.22%	1,420	795	82.76%	2.39%	85.15%	62.54%	888	29	88.35%
	2.970% to 6.430%	4,230	1,197	85.96%	4.91%	89.02%	105.89%	4,478	183	160.01%	4,210	1,212	85.74%	4.92%	88.92%	105.82%	4,455	182	159.93%
High risk	6.431% to 99.99%	1,616	284	75.87%	25.15%	88.33%	194.71%	3,147	361	473.57%	1,577	288	75.15%	24.46%	88.26%	194.26%	3,065	342	465.34%
Default	100%	59	2	0.00%	100.00%	82.11%	199.58%	118	39	1026.36%	59	2	0.00%	100.00%	82.55%	172.11%	101	40	1031.88%
Total Qualifying Revolving Credit		76,406	67,154	77.85%	1.27%	87.70%	24.75%	18,909	844	38.54%	76,598	67,426	77.66%	1.24%	87.77%	24.53%	18,787	825	37.99%
Other Retail																			
Exceptionally low risk	0.000% to 0.108%	16,704	756	66.53%	0.10%	31.28%	7.40%	1,235	5	7.76%	16,013	754	67.32%	0.10%	30.85%	7.31%	1,170	4	7.66%
	0.109% to 0.214%	5,028	2,453	85.58%	0.16%	69.75%	25.24%	1,269	6	26.73%	4,832	2,349	85.41%	0.16%	70.00%	25.39%	1,227	6	26.89%
Very low risk	0.215% to 0.308%	3,088	1,906	99.56%	0.27%	87.10%	43.44%	1,341	7	46.42%	3,207	1,835	99.57%	0.27%	86.50%	43.09%	1,382	8	46.04%
	0.309% to 0.590%	13,469	3,373	87.16%	0.36%	63.10%	36.87%	4,967	30	39.66%	13,390	3,309	87.30%	0.36%	61.81%	36.53%	4,891	30	39.31%
Low risk	0.591% to 1.040%	2,610	947	104.00%	0.84%	73.00%	70.05%	1,828	17	78.09%	1,990	352	110.70%	0.85%	67.30%	65.38%	1,301	12	73.00%
	1.041% to 1.718%	3,566	692	88.32%	1.48%	61.25%	72.29%	2,578	33	83.71%	3,501	666	88.18%	1.50%	60.58%	72.01%	2,521	32	83.53%
Medium risk	1.719% to 2.969%	5,070	756	102.43%	2.03%	53.28%	68.77%	3,486	55	82.31%	4,403	248	105.90%	2.01%	50.84%	65.24%	2,872	44	77.84%
	2.970% to 6.430%	3,599	390	92.16%	4.11%	64.52%	93.30%	3,358	95	126.40%	3,441	410	91.57%	4.07%	65.47%	94.66%	3,257	92	128.14%
High risk	6.431% to 99.99%	1,474	163	93.42%	20.89%	64.52%	123.33%	1,818	190	284.56%	2,589	1,317	99.19%	25.26%	69.05%	154.09%	3,990	452	372.18%
Default	100%	71	1	0.00%	100.00%	57.19%	104.08%	74	38	780.17%	79	1	0.00%	100.00%	55.59%	107.94%	85	42	765.04%
Total Other Retail		54,679	11,437	90.25%	1.44%	54.91%	40.15%	21,954	476	51.04%	53,445	11,241	90.30%	2.08%	54.55%	42.47%	22,696	722	59.35%

¹ Total exposure includes loans outstanding (drawn) and undrawn commitments and represents exposure at default, which is the expected gross exposure upon the default of an obligor. This amount is before allowance for loan losses and after credit risk mitigation.

² Represents the exposure-weighted average probability of default, loss given default rate, exposure

REALIZED GAINS AND LOSSES ON AVAILABLE-FOR-SALE SECURITIES (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Realized gains	61	74	84	50	40	44	33	76	69	269	193
Realized losses and impairments	(13)	(20)	(21)	(21)	(34)	(33)	(15)	(25)	(31)	(75)	(107)
Net gains (losses) on Available-for-sale securities	48	54	63	29	6	11	18	51	38	194	86
Less: Amount booked in Insurance premium, investment and fee income	1	10	9	2	4	4	3	(1)	4	22	10
Net gains (losses) on Available-for-sale securities net of Insurance premium, investment and fee income	47	44	54	27	2	7	15	52	34	172	76

TRADING CREDIT DERIVATIVES ¹ (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15
Notional amount									
Protection purchased	8,522	6,853	7,408	7,004	10,107	9,711	7,857	8,971	8,971
Protection sold	4,808	3,500	3,370	3,650	5,735	5,321	4,978	5,287	5,315
Fair value ²									
Positive	157	81	83	70	191	189	74	88	94
Negative	246	174	169	137	242	246	114	99	153
Replacement cost ³	109	34	34	31	31	39	27	23	34

OTHER THAN TRADING CREDIT DERIVATIVES POSITIONS ⁴ (NOTIONAL AMOUNT AND FAIR VALUE) (Millions of Canadian dollars)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15
Notional amount									
Automotive	-	-	-	-	-	-	-	-	-
Energy									
Oil and gas	-	-	-	-	-	-	-	-	-
Utilities	16	15	17	16	7	7	6	7	7
Non-bank financial services	-	-	-	91	94	91	88	98	411
Mining & metals	-	-	-	-	-	-	-	-	-
Real estate & related	-	-	-	-	-	-	-	-	-
Technology & media	-	-	-	121	124	121	117	130	122
Transportation & environment	129	125	137	130	134	131	125	140	130
Other	-	-	-	-	-	-	-	-	-
Sovereign	-	-	-	-	-	-	-	-	-
Bank	-	-	-	-	-	-	-	-	-
Net protection purchased	145	140	154	358	359	350	336	375	670
Offsetting protection sold related to the same reference entity	-	-	-	-	-	-	-	-	-
Gross protection purchased	145	140	154	358	359	350	336	375	670
Net protection sold	-	-	-	-	-	-	-	-	-
Offsetting protection purchased related to the same reference entity	-	-	-	-	-	-	-	-	-
Gross protection sold	-	-	-	-	-	-	-	-	-
Gross protection purchased and sold (notional amount)	145	140	154	358	359	350	336	375	670
Fair value ²									
Positive	-	-	-	-	-	-	7	16	-
Negative	12	13	14	21	21	17	15	12	18

¹ Comprises credit default swaps, total return swaps, credit default baskets and credit default options. As at Q4/17, over 98% of our net exposures are with investment grade counterparties.

² Gross fair value before netting.

³ Replacement cost includes the impact of netting but excludes collateral.

⁴ Comprises credit default swaps.

FAIR VALUE OF DERIVATIVE INSTRUMENTS (Millions of Canadian dollars)	Q4/17		Q3/17		Q2/17		Q1/17		Q4/16		Q3/16	
	Fair value		Fair value		Fair value		Fair value		Fair value		Fair value	
	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative	Positive	Negative
Held or issued for trading purposes	159,781	156,123	174,137	172,049	176,677	174,908	165,777	162,750	211,610	208,136	252,089	249,621
Held or issued for other than trading purposes	3,794	3,641	4,345	3,925	4,945	4,118	4,090	4,359	5,908	4,771	6,868	4,991
Total gross fair values before netting ¹	163,575	159,764	178,482	175,974	181,622	179,026	169,867	167,109	217,518	212,907	258,957	254,612
Impact of master netting agreements that qualify for balance sheet offset ²	(67,827)	(67,705)	(71,825)	(71,803)	(79,887)	(80,013)	(71,305)	(71,428)	(97,142)	(96,231)	(127,033)	(125,992)
that do not qualify for balance sheet offset ³	(58,804)	(58,804)	(66,474)	(66,474)	(66,582)	(66,582)	(65,214)	(65,214)	(79,296)	(79,296)	(88,668)	(88,668)
Total	36,944	33,255	40,183	37,697	35,153	32,431	33,348	30,467	41,080	37,380	43,256	39,952

DERIVATIVES - NOTIONAL AMOUNTS ^{4,5} (Millions of Canadian dollars)	Q4/17						Q3/17						Q2/17							
	Trading						Trading						Trading							
	Over the counter		Exchange traded	Total	Non-trading		Total	Over the counter		Exchange traded	Total	Non-trading		Total	Over the counter		Exchange traded	Total	Non-trading	
Centrally cleared	Non Centrally cleared	Centrally cleared			Non Centrally cleared	Centrally cleared		Non Centrally cleared	Centrally cleared			Non Centrally cleared	Centrally cleared		Non Centrally cleared					
Interest rate contracts	1,118,081	70,752	-	1,188,833	-	1,188,833	884,574	76,761	-	961,335	-	961,335	1,069,317	84,045	-	1,153,362	14,298	1,167,660		
Forward rate agreement	6,772,804	1,081,505	-	7,854,309	497,440	8,351,749	6,968,087	1,091,560	-	8,059,647	490,260	8,549,907	6,540,577	1,162,715	-	7,703,292	488,085	8,191,377		
Swaps	-	261,471	8,969	270,440	-	270,440	-	283,198	6,113	289,311	-	289,311	-	295,867	6,805	302,672	-	302,672		
Options purchased	-	-	112,151	112,151	-	112,151	-	-	108,751	108,751	1,151	109,902	-	-	98,790	98,790	634	99,424		
Future	7,890,885	1,413,728	121,120	9,425,733	497,440	9,923,173	7,852,661	1,451,519	114,864	9,419,044	491,411	9,910,455	7,609,894	1,542,627	105,595	9,258,116	503,017	9,761,133		
Foreign exchange contract	-	1,343,196	-	1,343,196	17,193	1,360,389	-	1,297,345	-	1,297,345	14,363	1,311,708	-	1,486,169	-	1,486,169	20,087	1,506,256		
Forward contracts	-	149,255	-	149,255	7,818	157,073	-	134,929	-	134,929	7,760	142,689	-	102,139	-	102,139	8,365	110,504		
Swaps	-	1,048,891	-	1,048,891	56,901	1,105,792	-	979,377	-	979,377	54,400	1,033,777	-	1,029,837	-	1,029,837	59,955	1,089,792		
Cross-currency interest rate swaps	-	73,150	-	73,150	-	73,150	-	53,996	-	53,996	-	53,996	-	51,671	-	51,671	-	51,671		
Options purchased	-	-	516	516	-	516	-	-	1,130	1,130	-	1,130	-	-	467	467	-	467		
Future	-	2,614,492	516	2,615,008	81,912	2,696,920	-	2,465,647	1,130	2,466,777	76,523	2,543,300	-	2,669,816	467	2,670,283	88,407	2,758,690		
Credit derivatives	6,407	6,923	-	13,330	-	13,330	3,931	6,422	-	10,353	-	10,353	4,003	6,776	-	10,779	-	10,779		
Other contracts ⁶	199	69,342	132,258	201,799	2,295	204,094	216	65,776	105,519	171,511	2,158	173,669	244	79,224	125,324	204,792	2,148	206,940		
Total	7,897,491	4,104,485	253,894	12,255,870	581,647	12,837,517	7,856,808	3,989,364	221,513	12,067,685	570,092	12,637,777	7,614,141	4,298,443	231,386	12,143,970	593,572	12,737,542		

DERIVATIVES - NOTIONAL AMOUNTS ^{4,5} (Millions of Canadian dollars)	Q1/17						Q4/16						Q3/16							
	Trading						Trading						Trading							
	Over the counter		Exchange traded	Total	Non-trading		Total	Over the counter		Exchange traded	Total	Non-trading		Total	Over the counter		Exchange traded	Total	Non-trading	
Centrally cleared	Non Centrally cleared	Centrally cleared			Non Centrally cleared	Centrally cleared		Non Centrally cleared	Centrally cleared			Non Centrally cleared	Centrally cleared		Non Centrally cleared					
Interest rate contracts	680,803	63,075	-	743,878	-	743,878	461,960	70,105	-	532,065	-	532,065	416,186	61,980	-	478,166	-	478,166		
Forward rate agreement	6,051,798	1,143,479	-	7,195,277	340,604	7,535,881	6,226,221	1,237,923	-	7,464,144	298,648	7,762,792	6,053,394	1,318,082	-	7,371,476	271,570	7,643,046		
Swaps	-	304,273	6,230	310,503	-	310,503	-	346,263	18,361	364,624	-	364,624	-	239,216	29,309	268,525	-	268,525		
Options purchased	-	-	101,608	101,608	-	101,608	-	-	95,395	95,395	-	95,395	-	-	104,514	104,514	-	104,514		
Future	6,732,601	1,510,827	107,838	8,351,266	340,604	8,691,870	6,688,181	1,654,291	113,756	8,456,228	298,648	8,754,876	6,469,580	1,619,278	133,823	8,222,681	271,570	8,494,251		
Foreign exchange contract	-	1,385,875	-	1,385,875	21,991	1,407,866	-	1,314,103	-	1,314,103	20,473	1,334,576	-	1,558,808	-	1,558,808	28,961	1,587,769		
Forward contracts	-	82,886	-	82,886	6,796	89,682	-	69,626	-	69,626	7,528	77,154	-	63,396	-	63,396	6,574	69,970		
Swaps	-	1,007,306	-	1,007,306	56,012	1,063,318	-	1,013,958	-	1,013,958	59,441	1,073,399	-	926,077	-	926,077	65,188	991,265		
Cross-currency interest rate swaps	-	38,127	-	38,127	-	38,127	-	49,758	-	49,758	-	49,758	-	50,563	-	50,563	-	50,563		
Options purchased	-	-	280	280	-	280	-	-	739	739	-	739	-	-	764	764	-	764		
Future	-	2,514,194	280	2,514,474	84,799	2,599,273	-	2,447,445	739	2,448,184	87,442	2,535,626	-	2,598,844	764	2,599,608	100,723	2,700,331		
Credit derivatives	3,848	6,806	-	10,654	-	10,654	-	15,842	-	15,842	-	15,842	-	15,032	-	15,032	-	15,032		
Other contracts ⁶	238	74,840	98,336	173,414	2,106	175,520	291	81,985	126,643	208,919	2,071	210,990	266	79,672	132,805	212,743	1,988	214,731		
Total	6,736,687	4,106,667	206,454	11,049,808	427,509	11,477,317	6,688,472	4,199,563	241,138	11,129,173	388,161	11,517,334	6,469,846	4,312,826	267,392	11,050,064	374,281	11,424,345		

¹ As at Q4/17, positive and negative fair values exclude market and credit valuation adjustments of \$725 million and \$(68) million respectively that are determined on a pooled basis.

² Impact of offsetting derivative assets and liabilities on contracts where we have both (a) unconditional and legally enforceable netting agreement in place and (b) we intend to settle the contracts on either a net basis or simultaneously. The right of setoff is considered unconditional if its exercise is not contingent upon the occurrence of a future event; it is considered conditional if it becomes exercisable only upon the occurrence of a future event, such as bankruptcy, insolvency, default, or change in control.

³ Additional impact of offsetting credit exposures on contracts that do not qualify for balance sheet offset.

⁴ Notional amounts do not represent assets or liabilities and therefore are not recorded in our Consolidated Balance Sheet. As of Q4/17, the notional amounts excludes exchange traded options written of \$122.5 billion, over-the-counter options written of \$353.6 billion and non-trading credit derivatives of \$0.1 billion. It includes interest rate and currency swaps of \$6.0 billion related to a consolidated structured entity and non-trading centrally cleared interest rate contracts of \$391 billion.

⁵ The majority of non-centrally cleared over the counter derivative activity is conducted with other professional market counterparties, under bilateral collateral arrangements with very low unsecured thresholds and daily collateral valuations. These collateral arrangements take the form of Credit Support Annex, to the International Swaps and Derivatives Association master agreement.

⁶ Comprises precious metal, commodity, stable value and equity-linked derivative contracts.

DERIVATIVE - RELATED CREDIT RISK (Millions of Canadian dollars)	Q4/17				Q3/17				Q2/17				Q1/17			
	Notional amount ¹	Replacement cost	Credit equivalent amount	Risk-weighted equivalent ²	Notional amount ¹	Replacement cost	Credit equivalent amount	Risk-weighted equivalent ²	Notional amount ¹	Replacement cost	Credit equivalent amount	Risk-weighted equivalent ²	Notional amount ¹	Replacement cost	Credit equivalent amount	Risk-weighted equivalent ²
Over-the-counter contracts																
Interest rate contracts																
Forward rate agreements	1,188,833	264	328	59	961,335	250	359	49	1,167,660	428	442	98	743,878	323	333	74
Swaps	8,351,749	10,890	24,318	4,187	8,549,907	12,107	25,590	4,590	8,191,377	12,373	26,410	4,736	7,535,881	11,850	24,760	4,515
Options purchased	261,471	283	883	527	283,198	195	919	583	295,867	324	979	592	304,273	284	942	543
Foreign exchange contracts																
Forward contracts	1,360,389	5,421	11,555	3,634	1,311,708	6,328	11,741	3,881	1,506,256	5,899	12,816	4,045	1,407,866	5,258	11,817	3,785
Swaps	1,256,824	10,476	12,643	4,498	1,169,935	12,113	12,666	4,618	1,200,296	11,454	11,313	3,955	1,153,000	11,411	12,119	3,851
Options purchased	73,150	360	1,125	472	53,996	319	959	422	51,671	462	1,179	498	38,127	331	855	373
Credit derivatives ³	13,330	109	936	149	10,353	34	607	140	10,779	34	610	124	10,654	31	609	138
Other contracts ⁴	71,699	7,750	6,332	2,945	68,150	7,621	5,519	3,152	81,616	1,206	6,225	3,419	77,184	1,376	5,235	3,083
Exchange traded contracts	254,031	1,391	8,340	167	222,664	1,216	6,757	135	232,020	3,150	11,721	234	206,454	2,601	9,400	188
Total derivatives ⁵	12,831,476	36,944	66,460	16,638	12,631,246	40,183	65,117	17,570	12,737,542	35,330	71,695	17,701	11,477,317	33,465	66,070	16,550
DERIVATIVE - RELATED CREDIT RISK (Millions of Canadian dollars)																
Over-the-counter contracts																
Interest rate contracts																
Forward rate agreements	532,065	232	250	53	478,166	441	462	79	470,558	206	230	37	614,510	427	457	110
Swaps	7,762,792	15,118	27,214	5,429	7,643,046	18,848	29,661	6,619	6,982,983	15,979	25,527	5,478	7,748,152	17,210	28,222	6,066
Options purchased	346,263	334	1,092	662	239,216	376	989	687	192,426	331	671	434	232,103	316	693	457
Foreign exchange contracts																
Forward contracts	1,334,576	6,914	12,952	3,896	1,587,769	7,994	13,594	4,124	1,327,521	7,341	12,003	3,831	1,368,381	8,160	14,232	4,078
Swaps	1,150,553	13,763	12,492	3,790	1,061,235	10,899	10,820	3,360	1,061,272	8,098	9,825	3,481	1,266,100	11,549	11,824	4,112
Options purchased	49,758	416	1,045	456	50,563	427	1,069	455	46,832	328	972	415	41,496	599	762	327
Credit derivatives ³	15,842	31	920	188	15,032	39	880	169	12,835	34	747	165	14,257	39	862	193
Other contracts ⁴	84,347	1,409	6,188	3,463	81,927	1,273	6,202	3,383	75,938	1,454	6,123	3,354	85,691	1,761	6,394	3,868
Exchange traded contracts	241,138	2,933	11,756	235	267,392	3,050	12,160	243	241,904	2,936	11,895	238	235,920	4,136	12,053	241
Total derivatives ⁵	11,517,334	41,150	73,909	18,172	11,424,346	43,347	75,837	19,119	10,412,269	36,707	67,993	17,433	11,606,610	44,197	75,499	19,452

¹ As at Q4/17, the notional amounts excludes exchange traded options written of \$122.5 billion, over-the-counter options written of \$353.6 billion, and non-trading credit derivatives of \$0.1 billion.

² As at Q4/17, the risk-weighted equivalents for over-the-counter contracts shown are calculated by applying risk weights against the credit equivalent amounts net of credit valuation adjustment (CVA) losses of \$127 million. The risk-weighted equivalent amounts shown do not reflect CVA regulatory capital charge.

³ Comprises credit default swaps, total return swaps, credit default baskets and credit default options.

⁴ Comprises precious metal, commodity, stable value and equity-linked derivative contracts.

⁵ As at Q4/17, the total credit equivalent amount reported above is net of \$18 billion in collateral and does not reflect the netting of the credit valuation adjustment losses of \$127 million described in footnote 2.

MARKET RISK REGULATORY CAPITAL Internal models-based approach VaR ¹ (Millions of Canadian dollars)	For the three months ended											
	Q4/17				Q3/17		Q2/17		Q1/17		Q4/16	
	As at Oct 31	Avg	High	Low	As at Jul 31	Avg	As at Apr 30	Avg	As at Jan 31	Avg	As at Oct 31	Avg
Equity	4	4	6	3	7	10	10	9	9	7	2	6
Foreign exchange	2	2	2	1	2	2	2	2	2	3	2	2
Commodities	2	1	2	1	1	1	1	3	2	2	2	1
Interest rate	13	13	16	11	17	16	15	19	20	22	21	15
Credit specific	6	6	7	5	5	5	5	5	6	5	6	6
Diversification	(11)	(11)	n.m.	n.m.	(13)	(14)	(14)	(14)	(14)	(13)	(10)	(13)
VaR	16	15	18	14	19	20	19	24	25	25	23	17
Stressed VaR	58	51	58	42	53	55	49	57	46	44	32	36

¹ The table shows VaR and stressed VaR for trading activities that have a capital requirement under the internal models-based approach, for which we have been granted approval by OSFI. Regulatory capital for market risk is allocated based on VaR and stressed VaR only for those trading positions that have approval to use the internal models-based approach. The above numbers reflect calculations for VaR and stressed VaR based on a 1 day time horizon. As stipulated by OSFI, RBC's Market Risk regulatory capital calculations are based on VaR and stressed VaR measures for a 10 day time horizon.
n.m. not meaningful

CALCULATION OF ROE ¹ AND RETURN ON RISK CAPITAL (RORC) ¹ (Millions of Canadian dollars, except percentage and per share amounts)	Q4/17	Q3/17	Q2/17	Q1/17	Q4/16	Q3/16	Q2/16	Q1/16	Q4/15	2017	2016
Personal & Commercial Banking											
Net income available to common shareholders	1,383	1,371	1,338	1,567	1,252	1,296	1,271	1,270	1,251	5,659	5,089
Average risk capital	15,950	15,850	14,850	14,650	13,600	13,700	13,800	13,850	12,150	15,300	13,750
Add: Average goodwill and other intangibles	4,550	4,650	4,700	4,700	4,750	4,700	4,800	4,900	4,900	4,700	4,800
Average attributed capital	20,500	20,500	19,550	19,350	18,350	18,400	18,600	18,750	17,050	20,000	18,550
ROE ²	26.7%	26.6%	28.0%	32.1%	27.1%	28.0%	27.8%	26.9%	29.1%	28.3%	27.5%
RORC	34.4%	34.3%	37.0%	42.4%	36.6%	37.7%	37.4%	36.5%	40.8%	36.9%	37.0%
Canadian Banking											
Net income available to common shareholders	1,341	1,329	1,297	1,527	1,228	1,263	1,223	1,216	1,214	5,494	4,930
Average risk capital	14,500	14,400	13,300	13,150	12,150	12,150	12,250	12,350	10,800	13,850	12,250
Add: Average goodwill and other intangibles	2,850	2,800	2,850	2,850	2,850	2,900	2,900	2,900	2,900	2,850	2,850
Average attributed capital	17,350	17,200	16,150	16,000	15,000	15,050	15,150	15,250	13,700	16,700	15,100
ROE ²	30.7%	30.6%	32.9%	37.8%	32.5%	33.4%	32.9%	31.8%	35.2%	32.9%	32.6%
RORC	36.7%	36.7%	39.9%	46.0%	40.2%	41.3%	40.6%	39.2%	44.6%	39.7%	40.3%
Wealth Management											
Net income available to common shareholders	476	470	415	414	381	370	371	290	252	1,775	1,412
Average risk capital	6,000	5,900	5,950	5,700	5,150	4,900	4,850	4,450	1,700	5,900	4,850
Add: Average goodwill and other intangibles	7,300	7,550	7,750	7,700	7,850	8,000	8,150	8,550	4,150	7,550	8,100
Average attributed capital	13,300	13,450	13,700	13,400	13,000	12,900	13,000	13,000	5,850	13,450	12,950
ROE ²	14.2%	13.9%	12.4%	12.2%	11.6%	11.4%	11.6%	8.9%	17.0%	13.2%	10.9%
RORC	31.6%	31.6%	28.6%	28.8%	29.4%	30.0%	31.3%	25.8%	58.1%	30.2%	29.2%
Insurance											
Net income available to common shareholders	263	159	164	132	226	361	175	129	223	718	891
Average risk capital	1,800	1,550	1,450	1,400	1,500	1,750	1,450	1,450	1,500	1,550	1,550
Add: Average goodwill and other intangibles	200	150	150	150	150	150	150	150	150	150	150
Average attributed capital	2,000	1,700	1,600	1,550	1,650	1,900	1,600	1,600	1,650	1,700	1,700
ROE ²	52.3%	37.0%	41.5%	33.7%	54.3%	75.7%	44.3%	32.4%	53.4%	41.8%	52.8%
RORC	57.2%	40.8%	45.9%	37.2%	59.4%	82.0%	48.9%	35.6%	58.6%	46.0%	57.8%
Investor & Treasury Services											
Net income available to common shareholders	153	174	188	210	170	151	135	140	85	725	596
Average risk capital	2,650	2,650	2,650	2,850	2,750	2,850	2,850	2,950	2,600	2,700	2,850
Add: Average goodwill and other intangibles	500	500	500	450	450	500	500	500	500	500	500
Average attributed capital	3,150	3,150	3,150	3,300	3,200	3,350	3,350	3,450	3,100	3,200	3,350
ROE ²	19.2%	21.9%	24.6%	25.1%	21.0%	18.2%	16.5%	15.9%	10.9%	22.7%	17.9%
RORC	22.9%	26.1%	29.2%	29.5%	24.8%	21.3%	19.4%	18.6%	12.9%	26.9%	21.0%
Capital Markets											
Net income available to common shareholders	564	588	646	640	461	611	561	553	538	2,438	2,186
Average risk capital	16,600	18,200	17,650	18,000	16,500	16,100	17,800	16,800	16,250	17,600	16,800
Add: Average goodwill and other intangibles	1,450	1,350	1,050	1,100	1,100	1,100	1,050	1,100	1,100	1,250	1,100
Average attributed capital	18,050	19,550	18,700	19,100	17,600	17,200	18,850	17,900	17,350	18,850	17,900
ROE ²	12.4%	11.9%	14.2%	13.3%	10.4%	14.2%	12.1%	12.3%	12.3%	12.9%	12.2%
RORC	13.5%	12.8%	15.0%	14.1%	11.1%	15.1%	12.8%	13.1%	13.1%	13.8%	13.0%
Corporate Support ³											
Net income available to common shareholders	(82)	(55)	(27)	(23)	(32)	12	(27)	(16)	166	(187)	(63)
Average risk capital and other	3,050	2,950	3,200	3,100	2,950	3,050	3,000	2,950	2,650	3,050	2,950
Add: Average under/(over) attribution of capital	5,850	4,450	4,900	4,850	6,350	5,000	4,000	3,800	8,150	5,050	4,800
Average attributed capital	8,900	7,400	8,100	7,950	9,300	8,050	7,000	6,750	10,800	8,100	7,750
RORC											
RBC											
Net income	2,837	2,796	2,809	3,027	2,543	2,895	2,573	2,447	2,593	11,469	10,458
Net income available to common shareholders	2,757	2,707	2,724	2,940	2,458	2,801	2,486	2,366	2,515	11,128	10,111
Average risk capital	44,800	45,800	44,100	44,100	41,000	40,900	42,300	41,000	35,500	44,700	41,300
Average common equity	65,900	65,750	64,800	64,650	63,100	61,800	62,400	61,450	55,800	65,300	62,200
ROE	16.6%	16.3%	17.2%	18.0%	15.5%	18.0%	16.2%	15.3%	17.9%	17.0%	16.3%
RORC	24.4%	23.4%	25.3%	26.4%	23.9%	27.2%	23.9%	23.0%	28.1%	24.9%	24.5%

¹ These measures do not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section on page 50.

² Business segment ROE is based on Average attributed capital. Under/(over) attribution of capital is reported in Corporate Support.

³ We do not report ROE and RORC for Corporate Support as they are considered not meaningful.

Key performance and Non-GAAP measures

Management measures and evaluates the performance of our consolidated operations and each of our segments based on variety of financial measures. In addition to generally accepted accounting principles (GAAP) prescribed measures, we use certain non-GAAP measures and key performance measures. We believe these measures provide useful information to investors regarding our financial condition and result of operations. For details, refer to the "How we measure and report our business segments" section of our 2017 Annual Report. Readers are cautioned that non-GAAP measures do not have any standardized meanings prescribed by GAAP and therefore are unlikely to be comparable to similar measures disclosed by other companies.

Performance measures

Attributed capital (Economic capital)

An estimate of the amount of equity capital required to underpin risks. It is calculated by estimating the level of capital that is necessary to support our various businesses, given their risks, consistent with our desired solvency standard and credit ratings.

Risk capital

Risk capital includes credit, market (trading and non-trading), insurance-specific, operational, business and fixed assets risk capital.

Average risk capital

Calculated using methods intended to approximate the average of the daily risk capital balances for the period.

Return on equity (ROE)

Business segment return on equity is calculated as net income available to common shareholders divided by Average attributed capital for the period and using methods that are intended to approximate the average of the daily balances for the period. Corporate Support also includes average unattributed capital. ROE is based on actual balances of average common equity before rounding.

Return on risk capital (RORC)

Net income available to common shareholders divided by average risk capital. Business segment RORC is calculated as net income available to common shareholders divided by average risk capital for the period. RORC is based on actual balances of average common equity before rounding.

Unattributed capital

Unattributed capital represents common equity in excess of common equity attributed to our business segments and is reported in the Corporate Support segment.

Non-GAAP measures

Adjusted basis measures

Adjusted basis measures such as adjusted net income available to common shareholders, adjusted diluted earnings per share (EPS) and adjusted ROE are calculated by adding back to net income the after-tax amount of amortization of intangibles (excluding amortization of software), any goodwill impairment, the dilutive impact of exchangeable shares, and other significant non-recurring items.

Adjusted efficiency ratio, operating leverage, NIE growth and revenue growth

The ratio and calculations are adjusted to exclude specified items and the change in fair value backing our policyholder liabilities from revenue and revenue growth. Refer to page 51 for the definition of the efficiency ratio, operating leverage, NIE growth and revenue growth.

Economic profit

Net income (loss) after non-controlling interests excluding the after-tax effect of amortization and write-down of other intangibles (excluding software) and goodwill less a capital charge for use of attributed capital.

Common equity

Common equity includes common shares, common treasury shares, retained earnings and other components of equity.

Glossary

Definitions

Assets under administration (AUA)

Assets administered by us, which are beneficially owned by clients. Services provided in respect of assets under administration are of an administrative nature, including safekeeping, collecting investment income, settling purchase and sale transactions, and record keeping.

Assets under management (AUM)

Assets managed by us, which are beneficially owned by clients. Services provided in respect of assets under management include the selection of investments and the provision of investment advice. We have assets under management that are also administered by us and included in assets under administration.

Embedded value

The sum of the value of equity held in our Insurance segment and the value of in-force business (existing policies).

Goodwill and intangibles

Goodwill represents the excess of the price paid for the business acquired over the fair value of the net identifiable assets acquired. An intangible asset is an identifiable non-monetary asset without physical substance.

Glossary continued

Definitions

Taxable equivalent basis (teb)

Income from certain specified tax-advantaged sources is increased to a level that would make it comparable to income from taxable sources. There is an offsetting adjustment in the tax provision, thereby generating the same after-tax net income. We record teb adjustments in Capital Markets and record elimination adjustments in Corporate Support.

Total trading revenue

Total trading revenue is comprised of trading related revenue recorded in Net interest income and Non-interest income.

Net impaired loans

Gross impaired loans less the associated allowance for credit losses on impaired loans by portfolio.

Ratios

Capital ratios

The percentage of risk-adjusted assets supported by capital, using the guidelines of OSFI based on standards issued by the Bank for International Settlements and GAAP financial information.

Common Equity Tier 1 ratio

Common Equity Tier 1 (CET1) capital under Basel III comprises the highest quality of capital including common shares, retained earnings, accumulated other comprehensive income and other items. Regulatory adjustments such as goodwill and intangibles, deferred tax assets, and other components subject to threshold deductions are excluded from CET1 capital. This ratio is calculated by dividing CET1 by risk-weighted assets, in accordance with OSFI's Basel III Capital Adequacy Requirements guideline.

Efficiency ratio

Non-interest expense as a percentage of total revenue. For adjusted efficiency ratio refer to the non-GAAP measures on page 50.

Return on assets

Net income as a percentage of average assets.

Return on risk-weighted assets

Net income as a percentage of average risk-weighted assets.

Calculations

Average balances (assets, loans and acceptances, and deposits)

Calculated using methods intended to approximate the average of the daily balances for the period.

Average common equity

Calculated using methods intended to approximate the average of the daily balances for the period. For the business segments, calculated using methods intended to approximate the average of the daily attributed capital for the period.

Average balances (assets, loans and acceptances, and deposits)

Calculated using methods intended to approximate the average of the daily balances for the period.

Average common equity

Calculated using methods intended to approximate the average of the daily balances for the period. For the business segments, calculated using methods intended to approximate the average of the daily attributed capital for the period.

Average earning assets

Average earning assets include interest-bearing deposits with other banks, securities, assets purchased reverse repurchase agreements and securities borrowed, loans, and excludes segregated fund net asset and other assets. The averages are based on the daily balances for the period. Commencing Q2/15, average earning assets also include cash collateral and margin deposits and exclude insurance assets.

Capital charge

Calculated by multiplying the cost of capital by the amount of average common equity. The cost of capital is a proxy for the after-tax return that we estimate to be required by shareholders for the use of their capital.

Dividend yield

Dividends per common share divided by the average of the high and low share prices in the relevant period.

Diluted EPS

Diluted EPS is net income attributable to common shareholders divided by the average diluted shares outstanding. Both net income and number of shares outstanding have been adjusted for the impact of exchangeable shares.

Effective tax rate (teb)

Effective tax rate (teb) is calculated using the tax provision for the period adjusted for the teb amount divided by the net income before tax for the period also adjusted for the teb amount. For teb, refer to Definitions above.

Market capitalization

End of period common shares outstanding multiplied by the closing common share price on the Toronto Stock Exchange.

Net interest margin (average assets)

Net interest income as a percentage of total average assets.

Net interest margin (average earning assets)

Net interest income as a percentage of total average earning assets.

Net write-offs

Gross write-offs less recoveries of amounts previously written off.

Operating leverage

The difference between our revenue growth rate and non-interest expense growth rate. For adjusted operating leverage ratio, refer to the non-GAAP measures on page 50.

NIE Growth

The growth rate is calculated based on NIE in the same period a year ago. For adjusted NIE growth, refer to the non-GAAP measures on page 50.

Revenue Growth

The growth rate is calculated based on revenue in the same period a year ago. For adjusted revenue growth, refer to the non-GAAP measures on page 50.

Risk-weighted assets (RWA) - Basel III

Used in the calculation of risk-based capital ratios as defined by the guidelines issued by OSFI. The guidelines are Basel III effective January 1, 2013 and the "Basel III: A global regulatory framework for more resilient banks and banking systems - December 2010 (rev June 2011)" issued by the Basel Committee on Banking Supervision (BCBS) and adopted by OSFI effective January 2013. A majority of our credit risk portfolios use IRB Approach and the remainder uses Standardized Approach for the calculation of RWA based on the total exposure (i.e. exposure at default, and counterparty risk weights). For market risk measurement we use the internal models approach for products with regulatory approval and a standardized approach for all other products. For Operational risk, we use the Advanced Measurement Approach. In addition, Basel III requires a transitional capital floor adjustment.

n.a.

Not applicable