

Supplementary Financial Information

For the Quarter Ended – October 31, 2018

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This report is unaudited and all amounts are in millions of Canadian dollars, unless otherwise indicated.

NOTES TO USERS

Use of this Document

The supplemental information contained in this package is designed to improve the readers' understanding of the financial performance of BMO Financial Group (the Bank). This information should be used in conjunction with the Bank's Q4 2018 Earnings Release and the 2018 Annual MD&A.

Additional financial information is also available in the Q4 2018 Investor Presentation as well as the Conference Call Webcast which can be accessed at our website at www.bmo.com/investorrelations.

This report is unaudited and all amounts are in millions of Canadian dollars, unless indicated otherwise.

Items indicated N.A. were not available.
Items indicated n.a. were not applicable.

Accounting Framework

We report our financial results under International Financial Reporting Standards (IFRS) as adopted by the International Accounting Standards Board (IASB). We use the terms IFRS and Generally Accepted Accounting Principles (GAAP) interchangeably.

Results and measures in both the Management's Discussion and Analysis (MD&A) and this document are presented on an IFRS basis. They are also presented on an adjusted basis that excludes the impact of certain items. Management assesses performance on both a GAAP basis and an adjusted basis and considers both bases to be useful in assessing underlying, ongoing business performance. Some metrics such as revenue, revenue growth, operating leverage and efficiency ratio have been presented based on revenue net of insurance claims, commissions and changes in policy benefit liabilities (CCPB). Users may find this presentation to be more useful as it reduces the variability in results associated with insurance. Insurance revenue can experience variability arising from fluctuations in fair value of insurance assets which are largely offset by the fair value changes of policy benefit liabilities reflected in CCPB. For additional discussion of CCPB, see the 2018 Annual MD&A. Adjusted results and measures are non-GAAP and are detailed in the Non-GAAP Measures section in the MD&A of the Bank's Fourth Quarter 2018 Earnings Release and 2018 Annual MD&A. For additional information about non-GAAP adjusted results and measures from prior periods included in this document, please refer to the applicable period's Report to Shareholders.

Securities regulators require that companies caution readers that earnings and other measures adjusted to a basis other than GAAP do not have standardized meanings under GAAP and are unlikely to be comparable to similar measures used by other companies.

Adjusted Results

Adjusted results exclude the following items:

ADJUSTING ITEMS (PRE TAX) (\$ millions)	2018	2018	2018	2018	2017	2017	2017	2017	2016	Fiscal	Fiscal	Fiscal
	Q4	Q3	Q2	Q1	Q4	Q3	Q2	Q1	Q4	2018	2017	2016
Amortization of acquisition-related intangible assets	(31)	(28)	(29)	(28)	(34)	(35)	(43)	(37)	(37)	(116)	(149)	(160)
Acquisition integration costs	(18)	(8)	(4)	(4)	(24)	(20)	(21)	(22)	(31)	(34)	(87)	(104)
Cumulative accounting adjustment	-	-	-	-	-	-	-	-	-	-	-	(85)
Benefit from the remeasurement of an employee benefit liability	277	-	-	-	-	-	-	-	-	277	-	-
Restructuring costs	-	-	(260)	-	(59)	-	-	-	-	(260)	(59)	(188)
(Increase) / decrease in collective allowance ⁽¹⁾	-	-	-	-	-	76	-	-	-	-	76	-
Total	228	(36)	(293)	(32)	(117)	21	(64)	(59)	(68)	(133)	(219)	(537)

ADJUSTING ITEMS (AFTER TAX) (\$ millions)	2018	2018	2018	2018	2017	2017	2017	2017	2016	Fiscal	Fiscal	Fiscal
	Q4	Q3	Q2	Q1	Q4	Q3	Q2	Q1	Q4	2018	2017	2016
Amortization of acquisition-related intangible assets	(24)	(22)	(23)	(21)	(26)	(28)	(34)	(28)	(29)	(90)	(116)	(124)
Acquisition integration costs	(13)	(7)	(2)	(3)	(15)	(13)	(13)	(14)	(21)	(25)	(55)	(71)
Cumulative accounting adjustment	-	-	-	-	-	-	-	-	-	-	-	(62)
Benefit from the remeasurement of an employee benefit liability	203	-	-	-	-	-	-	-	-	203	-	-
Restructuring costs	-	-	(192)	-	(41)	-	-	-	-	(192)	(41)	(132)
(Increase) / decrease in collective allowance ⁽¹⁾	-	-	-	-	-	54	-	-	-	-	54	-
U.S. net deferred tax asset revaluation	-	-	-	(425)	-	-	-	-	-	(425)	-	-
Total	166	(29)	(217)	(449)	(82)	13	(47)	(42)	(50)	(529)	(158)	(389)

⁽¹⁾ The Bank prospectively adopted IFRS 9, *Financial Instruments* for the annual period beginning on November 1, 2017. Changes in the allowance for credit losses on performing loans under this methodology will not be considered an adjusting item.

Taxable Equivalent Basis

BMO analyzes consolidated revenues on a reported basis. However, like many banks, BMO analyzes revenue of operating groups and ratios computed using revenue on a taxable equivalent basis (teb). Revenue and the provision for income taxes are increased on tax-exempt securities to an equivalent before-tax basis to facilitate comparisons of income between taxable and tax-exempt sources. The effective income tax rate is also analyzed on a teb for consistency of approach. The offset to the group teb adjustments, mostly in BMO Capital Markets, is reflected in Corporate Services.

Changes

Periodically, certain business lines and units within business lines are transferred between client and corporate support groups to more closely align BMO's organizational structure with its strategic priorities. In addition, revenue, provision for credit losses and expense allocations, as well as balances, are updated to better align with current experience. Results for prior periods are reclassified to conform to the presentation.

Effective the first quarter of 2018 the allocation of certain revenue items from Corporate Services to the Operating Groups was updated to align with the underlying business activity. Results for prior periods and related ratios have been reclassified to conform with the current presentation.

Also effective the first quarter of 2018, loan losses related to certain fraud costs have been reclassified from provision for credit losses to other non-interest expenses in the Canadian P&C and U.S. P&C businesses. Certain fees have been reclassified from deposit and payment service charges to card fees within non-interest revenue in Canadian P&C. Cash collateral balances were also reclassified from loans and deposits to other assets and other liabilities in BMO Capital Markets. Results for prior periods and related ratios have been reclassified to conform with the current period's presentation.

The Bank adopted IFRS 9, *Financial Instruments*, which replaces the guidance in IAS 39, *Financial Instruments: Recognition and Measurement*, for the annual period beginning on November 1, 2017. IFRS 9 does not require restatement of comparative period financial statements. The Bank has made the decision not to restate comparative period financial information and has recognized any measurement differences between the previous carrying amount and the new carrying amount of financial instruments on November 1, 2017, through an adjustment to opening retained earnings. On transition to IFRS 9, the Bank will prospectively record the provisions for credit losses on impaired (Stage 3) and performing (Stages 1 and 2) loans and related allowance within the respective business segment in which the underlying financial asset is held for segment reporting purposes.

For institutions using advanced approaches for credit risk or operational risk, there is a Capital Floor as prescribed in OSFI's CAR Guideline. OSFI revised its approach for calculating the Capital Floor effective Q2 2018. Changes include a shift to the Basel II standardized approach, as well as a reduction of the floor factor to 70% in Q2 2018, 72.5% in Q3 2018 and 75% in Q4 2018 onward.

On April 20, 2017, OSFI released the final version of its guideline, Pillar 3 Disclosure Requirements, setting OSFI's expectations for domestic systemically important banks (D-SIBs) for the Revised Pillar 3 Disclosure Requirements issued by the Basel Committee on Banking Supervision in January 2015. We have adopted this guidance effective October 31, 2018. The new Pillar 3 disclosures are prospective with comparative periods to be provided over future reporting periods. For prior period information, please refer to Q3 2018 and prior Supplementary Financial Information Packages.

Users may provide their comments and suggestions on the Supplementary Financial Information document by contacting Christine Viau at (416) 867-6956 or christine.viau@bmo.com

FINANCIAL HIGHLIGHTS CONTINUED

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
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(\$ millions except as noted)

Dividend Information

Dividends declared per share	1	\$0.96	\$0.96	\$0.93	\$0.93	\$0.90	\$0.90	\$0.88	\$0.88	\$0.86	\$3.78	\$3.56	\$3.40
Dividends paid per share	2	\$0.96	\$0.93	\$0.93	\$0.90	\$0.90	\$0.88	\$0.88	\$0.86	\$0.86	\$3.72	\$3.52	\$3.36
Common dividends	3	614	614	596	600	583	584	575	570	555	2,424	2,312	2,191
Preferred dividends	4	43	50	46	45	48	49	42	45	34	184	184	150
Dividend yield	5	3.90 %	3.72 %	3.81 %	3.67 %	3.64 %	3.81 %	3.64 %	3.58 %	4.03 %	3.84 %	3.60 %	3.98 %
Dividend payout ratio (1)	6	37.2 %	41.4 %	49.9 %	64.9 %	49.5 %	43.8 %	47.6 %	39.5 %	42.4 %	46.2 %	44.8 %	49.0 %
Adjusted dividend payout ratio (2)	7	41.3 %	40.6 %	42.2 %	43.7 %	46.2 %	44.3 %	45.8 %	38.4 %	40.8 %	41.9 %	43.5 %	45.0 %

Share Information

Share price: high	8	\$109.00	\$104.68	\$101.35	\$105.55	\$100.32	\$97.42	\$104.15	\$101.15	\$87.92	\$109.00	\$104.15	\$87.92
low	9	\$97.39	\$96.97	\$93.60	\$97.51	\$88.63	\$90.13	\$96.10	\$83.58	\$81.62	\$93.60	\$83.58	\$68.65
close	10	\$98.43	\$103.11	\$97.51	\$101.33	\$98.83	\$94.56	\$96.66	\$98.43	\$85.36	\$98.43	\$98.83	\$85.36
Book value per share	11	\$64.73	\$63.31	\$61.67	\$59.78	\$61.92	\$59.65	\$62.22	\$59.51	\$59.56	\$64.73	\$61.92	\$59.56
Number of common shares outstanding: end of period	12	639.3	639.9	640.6	645.5	647.8	648.7	652.1	648.9	645.8	639.3	647.8	645.8
average basic	13	639.9	640.4	643.7	647.7	648.2	651.6	651.1	647.7	645.4	642.9	649.6	644.0
average diluted	14	641.8	642.4	645.6	649.9	650.3	653.7	653.6	650.3	647.7	644.9	652.0	646.1
Total market value of common shares	15	62,929	65,983	62,468	65,411	64,024	61,340	63,032	63,873	55,122	62,929	64,024	55,122
Market to book value ratio	16	1.52	1.63	1.58	1.70	1.60	1.59	1.55	1.65	1.43	1.52	1.60	1.43
Price to earnings multiple	17	12.0	13.9	13.6	14.2	12.5	11.6	12.2	13.0	12.4	12.1	12.5	12.3
Price to adjusted earnings multiple	18	11.0	12.0	11.8	12.7	12.1	11.4	11.7	12.2	11.3	11.0	12.1	11.3
Total shareholder return: twelve month	19	3.3 %	13.2 %	4.8 %	6.8 %	20.2 %	17.3 %	22.9 %	36.3 %	17.0 %	3.3 %	20.2 %	17.0 %
three-year average	20	13.3 %	16.7 %	11.7 %	16.2 %	10.9 %	9.5 %	13.0 %	17.8 %	9.9 %	13.3 %	10.9 %	9.9 %

Additional Bank Information

Number of full-time equivalent employees: Canada	21	29,982	30,369	29,923	29,989	29,647	30,354	29,945	29,932	29,643	29,982	29,647	29,643
United States	22	13,943	13,811	13,673	13,663	14,071	14,334	14,350	14,339	14,147	13,943	14,071	14,147
Other	23	1,529	1,545	1,500	1,495	1,482	1,485	1,470	1,458	1,444	1,529	1,482	1,444
Total	24	45,454	45,725	45,096	45,147	45,200	46,173	45,765	45,729	45,234	45,454	45,200	45,234
Number of bank branches: Canada	25	908	914	922	925	926	937	938	941	942	908	926	942
United States	26	571	571	573	573	573	572	578	578	576	571	573	576
Other	27	4	4	4	4	4	4	4	4	4	4	4	4
Total	28	1,483	1,489	1,499	1,502	1,503	1,513	1,520	1,523	1,522	1,483	1,503	1,522
Number of automated banking machines: Canada	29	3,387	3,365	3,323	3,302	3,315	3,305	3,281	3,269	3,285	3,387	3,315	3,285
United States	30	1,441	1,428	1,427	1,421	1,416	1,406	1,391	1,388	1,314	1,441	1,416	1,314
Total	31	4,828	4,793	4,750	4,723	4,731	4,711	4,672	4,657	4,599	4,828	4,731	4,599
Long term deposits / legacy senior debt (3): DBRS	32	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA
Fitch	33	AA-	AA-	AA-	AA-	AA-	AA-	AA-	AA-	AA-	AA-	AA-	AA-
Moody's	34	Aa2	Aa2	A1	A1	A1	A1	Aa3	Aa3	Aa3	Aa2	A1	Aa3
Standard and Poor's	35	A+	A+	A+	A+	A+	A+	A+	A+	A+	A+	A+	A+
Senior debt (4): DBRS	36	AA (low)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	AA (low)	n.a.	n.a.
Fitch	37	AA-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	AA-	n.a.	n.a.
Moody's	38	A2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	A2	n.a.	n.a.
Standard and Poor's	39	A-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	A-	n.a.	n.a.

Other Statistical Information

Prime rate: average Canadian	40	3.72 %	3.50 %	3.45 %	3.24 %	3.10 %	2.75 %	2.70 %	2.70 %	2.70 %	3.48 %	2.81 %	2.70 %
average U.S.	41	5.09 %	4.88 %	4.61 %	4.38 %	4.25 %	4.13 %	3.88 %	3.63 %	3.50 %	4.74 %	3.97 %	3.47 %
Exchange rate: as at Cdn/U.S. dollar	42	1.3169	1.2997	1.2842	1.2304	1.2895	1.2453	1.3650	1.3012	1.3411	1.3169	1.2895	1.3411
average Cdn/U.S. dollar	43	1.3047	1.3032	1.2858	1.2575	1.2621	1.2974	1.3412	1.3288	1.3216	1.2878	1.3071	1.3251

(1) Dividend payout ratio equals dividends declared per share divided by basic earnings per share.

(2) Adjusted dividend payout ratio equals dividends declared per share divided by adjusted basic earnings per share.

(3) Long term deposits / legacy senior debt includes: (a) Senior debt issued prior to September 23, 2018; and (b) Senior debt issued on or after September 23, 2018 which is excluded from the Bank Recapitalization (Bail-In) Regime.

(4) Subject to conversion under the Bank Recapitalization (Bail-In) Regime.

**TOTAL PERSONAL & COMMERCIAL BANKING
SUMMARY INCOME STATEMENT AND HIGHLIGHTS**

(\$ millions except as noted)

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
Net interest income (teb)	1	2,431	2,396	2,274	2,283	2,263	2,229	2,122	2,198	2,192	9,384	8,812	8,571
Non-interest revenue	2	835	841	802	833	787	805	752	904	803	3,311	3,248	3,028
Total revenue (teb)	3	3,266	3,237	3,076	3,116	3,050	3,034	2,874	3,102	2,995	12,695	12,060	11,599
Provision for credit losses on impaired loans (1)	4	179	174	197	174						724		
Provision for (recovery of) credit losses on performing loans (1)	5	3	3	(15)	(26)						(35)		
Total provision for credit losses (1)	6	182	177	182	148	194	196	210	172	182	689	772	755
Net interest and non-interest revenue (teb), net of PCL	7	3,084	3,060	2,894	2,968	2,856	2,838	2,664	2,930	2,813	12,006	11,288	10,844
Non-interest expense	8	1,740	1,732	1,658	1,687	1,642	1,661	1,619	1,644	1,632	6,817	6,566	6,414
Income before taxes	9	1,344	1,328	1,236	1,281	1,214	1,177	1,045	1,286	1,181	5,189	4,722	4,430
Provision for income taxes (teb)	10	297	322	298	324	320	296	275	293	311	1,241	1,184	1,162
Net income	11	1,047	1,006	938	957	894	881	770	993	870	3,948	3,538	3,268
Adjusted net income	12	1,059	1,018	950	968	906	893	782	1,006	883	3,995	3,587	3,320
Return on equity (2)	13	19.0 %	18.5 %	18.2 %	18.5 %	17.1 %	16.7 %	14.8 %	18.1 %	16.7 %	18.6 %	16.7 %	15.8 %
Adjusted return on equity (2)	14	19.3 %	18.8 %	18.5 %	18.7 %	17.3 %	16.9 %	15.0 %	18.3 %	17.0 %	18.8 %	16.9 %	16.1 %
Net interest margin on average earning assets (teb)	15	2.98 %	2.97 %	2.97 %	2.94 %	2.94 %	2.91 %	2.86 %	2.87 %	2.87 %	2.97 %	2.90 %	2.88 %
Revenue growth	16	7.1 %	6.7 %	7.0 %	0.5 %	1.9 %	3.4 %	2.2 %	8.5 %	12.3 %	5.3 %	4.0 %	13.0 %
Non-interest expense growth	17	5.9 %	4.4 %	2.4 %	2.6 %	0.7 %	4.9 %	2.4 %	1.6 %	8.5 %	3.8 %	2.4 %	10.5 %
Adjusted non-interest expense	18	1,724	1,717	1,643	1,672	1,626	1,644	1,603	1,627	1,614	6,756	6,500	6,343
Adjusted non-interest expense growth	19	6.0 %	4.5 %	2.5 %	2.7 %	0.8 %	5.0 %	2.5 %	1.7 %	8.7 %	3.9 %	2.5 %	10.7 %
Efficiency ratio (teb)	20	53.3 %	53.5 %	53.9 %	54.2 %	53.9 %	54.7 %	56.3 %	53.0 %	54.5 %	53.7 %	54.4 %	55.3 %
Adjusted efficiency ratio (teb)	21	52.8 %	53.1 %	53.4 %	53.7 %	53.3 %	54.2 %	55.7 %	52.5 %	53.9 %	53.2 %	53.9 %	54.7 %
Operating leverage	22	1.2 %	2.3 %	4.6 %	(2.1)%	1.2 %	(1.5)%	(0.2)%	6.9 %	3.8 %	1.5 %	1.6 %	2.5 %
Adjusted operating leverage	23	1.1 %	2.2 %	4.5 %	(2.2)%	1.1 %	(1.6)%	(0.3)%	6.8 %	3.6 %	1.4 %	1.5 %	2.3 %
Net income growth	24	17.1 %	14.1 %	21.8 %	(3.6)%	2.8 %	5.8 %	(2.3)%	27.9 %	13.2 %	11.6 %	8.3 %	11.4 %
Adjusted net income growth	25	16.9 %	13.9 %	21.3 %	(3.6)%	2.6 %	5.6 %	(2.3)%	27.2 %	12.7 %	11.4 %	8.0 %	11.0 %
Average common equity (2)	26	21,475	21,197	20,733	20,246	20,427	20,567	20,968	21,439	20,290	20,914	20,849	20,241
Average assets	27	343,352	338,497	331,806	325,862	324,058	321,451	321,158	320,886	321,449	334,904	321,894	314,129
Average earning assets	28	324,014	319,954	313,568	307,810	305,841	303,642	303,941	303,279	303,994	316,359	304,178	297,178
Average net loans and acceptances	29	328,923	323,984	316,712	310,353	309,280	306,089	305,409	304,151	303,977	320,019	306,239	296,678
Average gross loans and acceptances	30	330,502	325,545	318,262	311,731	309,413	306,193	305,560	304,332	304,220	321,537	306,381	296,932
Average deposits	31	258,602	251,671	248,013	242,525	236,309	238,998	239,063	239,326	235,399	250,221	238,419	230,013
Number of full-time equivalent employees	32	21,832	21,978	21,606	21,714	21,697	22,568	22,495	22,444	21,858	21,832	21,697	21,858

(1) 2016 and 2017 have not been restated to reflect the new IFRS standard adopted in 2018. The adoption of the new IFRS standard in 2018 has been applied prospectively.

(2) Operating groups have been allocated capital at a consistent level in 2018 and 2017, and at a higher level than in 2016.

**CANADIAN P&C
SUMMARY INCOME STATEMENT AND HIGHLIGHTS**

(\$ millions except as noted)

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
Net interest income	1	1,421	1,402	1,338	1,380	1,369	1,335	1,254	1,303	1,304	5,541	5,261	5,080
Non-interest revenue	2	547	550	521	553	515	521	470	676	503	2,171	2,182	1,909
Total revenue	3	1,968	1,952	1,859	1,933	1,884	1,856	1,724	1,979	1,807	7,712	7,443	6,989
Provision for credit losses on impaired loans (1)	4	118	120	131	97						466		
Provision for (recovery of) credit losses on performing loans (1)	5	(15)	17	(3)	4						3		
Total provision for credit losses (1)	6	103	137	128	101	130	119	121	113	116	469	483	506
Net interest and non-interest revenue, net of PCL	7	1,865	1,815	1,731	1,832	1,754	1,737	1,603	1,866	1,691	7,243	6,960	6,483
Non-interest expense	8	954	949	936	966	917	912	888	905	893	3,805	3,622	3,500
Income before taxes	9	911	866	795	866	837	825	715	961	798	3,438	3,338	2,983
Provision for income taxes	10	236	224	205	219	213	212	185	217	207	884	827	766
Net income	11	675	642	590	647	624	613	530	744	591	2,554	2,511	2,217
Adjusted net income	12	676	642	591	647	625	614	530	745	591	2,556	2,514	2,219
Net interest margin on average earning assets	13	2.62 %	2.60 %	2.59 %	2.60 %	2.59 %	2.54 %	2.49 %	2.51 %	2.54 %	2.60 %	2.53 %	2.55 %
Revenue growth	14	4.4 %	5.2 %	7.8 %	(2.3)%	4.3 %	4.5 %	2.9 %	14.4 %	5.4 %	3.6 %	6.5 %	5.0 %
Non-interest expense growth	15	3.9 %	4.1 %	5.3 %	6.7 %	2.9 %	4.5 %	4.3 %	2.4 %	3.9 %	5.0 %	3.5 %	3.1 %
Adjusted non-interest expense	16	953	949	935	966	917	911	888	904	892	3,803	3,620	3,497
Adjusted non-interest expense growth	17	3.9 %	4.1 %	5.4 %	6.7 %	2.9 %	4.5 %	4.4 %	2.4 %	4.1 %	5.0 %	3.5 %	3.2 %
Efficiency ratio	18	48.5 %	48.6 %	50.4 %	50.0 %	48.7 %	49.1 %	51.5 %	45.7 %	49.4 %	49.3 %	48.7 %	50.1 %
Adjusted efficiency ratio	19	48.4 %	48.6 %	50.3 %	50.0 %	48.7 %	49.1 %	51.5 %	45.7 %	49.4 %	49.3 %	48.6 %	50.0 %
Operating leverage	20	0.5 %	1.1 %	2.5 %	(9.0)%	1.4 %	0.0 %	(1.4)%	12.0 %	1.5 %	(1.4)%	3.0 %	1.9 %
Adjusted operating leverage	21	0.5 %	1.1 %	2.4 %	(9.0)%	1.4 %	0.0 %	(1.5)%	12.0 %	1.3 %	(1.4)%	3.0 %	1.8 %
Net income growth	22	8.3 %	4.6 %	11.0 %	(12.8)%	5.3 %	8.8 %	0.5 %	39.4 %	5.1 %	1.7 %	13.2 %	4.8 %
Adjusted net income growth	23	8.3 %	4.6 %	11.0 %	(12.8)%	5.3 %	8.7 %	0.5 %	39.3 %	4.9 %	1.7 %	13.2 %	4.7 %
Average assets	24	227,778	225,562	223,182	221,647	220,852	218,830	216,105	214,900	212,898	224,553	217,685	208,018
Average earning assets	25	215,290	213,829	211,840	210,867	210,110	208,682	206,757	205,676	203,876	212,965	207,815	199,527
Average net loans and acceptances	26	226,070	223,936	221,296	219,347	218,909	216,878	214,139	212,692	210,715	222,673	215,667	205,813
Average gross loans and acceptances: Residential mortgages	27	99,987	99,713	99,724	100,326	100,252	99,169	98,342	98,424	97,438	99,939	99,052	94,798
Consumer instalment and other personal	28	45,662	45,248	45,114	45,386	45,504	45,163	44,893	44,913	44,631	45,355	45,120	44,286
Credit cards (2)	29	8,907	8,889	8,612	8,801	8,634	8,637	8,404	8,631	8,555	8,804	8,578	8,472
Business and government	30	72,397	70,949	68,703	65,677	64,724	64,096	62,675	60,881	60,282	69,438	63,098	58,417
Total average gross loans and acceptances	31	226,953	224,799	222,153	220,190	219,114	217,065	214,314	212,849	210,906	223,536	215,848	205,973
Average deposits: Individual	32	101,036	99,494	98,374	98,402	98,114	98,327	96,696	94,998	93,223	99,335	97,036	90,523
Business and government	33	61,444	60,324	59,658	59,150	56,221	55,775	54,662	55,138	52,766	60,148	55,456	51,609
Total average deposits	34	162,480	159,818	158,032	157,552	154,335	154,102	151,358	150,136	145,989	159,483	152,492	142,132
Number of full-time equivalent employees	35	14,644	14,836	14,595	14,722	14,559	15,160	15,074	15,099	14,803	14,644	14,559	14,803

(1) 2016 and 2017 have not been restated to reflect the new IFRS standard adopted in 2018. The adoption of the new IFRS standard in 2018 has been applied prospectively.

(2) Credit Cards include retail, small business and commercial cards.

U.S. P&C

SUMMARY INCOME STATEMENT AND HIGHLIGHTS

(\$ millions except as noted)

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
Net interest income (teb)	1	1,010	994	936	903	894	894	868	895	888	3,843	3,551	3,491
Non-interest revenue	2	288	291	281	280	272	284	282	228	300	1,140	1,066	1,119
Total revenue (teb)	3	1,298	1,285	1,217	1,183	1,166	1,178	1,150	1,123	1,188	4,983	4,617	4,610
Provision for credit losses on impaired loans (1)	4	61	54	66	77						258		
Provision for (recovery of) credit losses on performing loans (1)	5	18	(14)	(12)	(30)						(38)		
Total provision for credit losses (1)	6	79	40	54	47	64	77	89	59	66	220	289	249
Net interest and non-interest revenue (teb), net of PCL	7	1,219	1,245	1,163	1,136	1,102	1,101	1,061	1,064	1,122	4,763	4,328	4,361
Non-interest expense	8	786	783	722	721	725	749	731	739	739	3,012	2,944	2,914
Income before taxes	9	433	462	441	415	377	352	330	325	383	1,751	1,384	1,447
Provision for income taxes (teb)	10	61	98	93	105	107	84	90	76	104	357	357	396
Net income	11	372	364	348	310	270	268	240	249	279	1,394	1,027	1,051
Adjusted net income	12	383	376	359	321	281	279	252	261	292	1,439	1,073	1,101
Average assets	13	115,574	112,935	108,624	104,215	103,206	102,621	105,053	105,986	108,551	110,351	104,209	106,111
Average earning assets	14	108,724	106,125	101,728	96,943	95,731	94,960	97,184	97,603	100,118	103,394	96,363	97,651
Average net loans and acceptances (2)	15	102,853	100,048	95,416	91,006	90,371	89,211	91,270	91,459	93,262	97,346	90,572	90,865
Average gross loans and acceptances (2)	16	103,549	100,746	96,109	91,541	90,299	89,128	91,246	91,483	93,314	98,001	90,533	90,959
Average deposits	17	96,122	91,853	89,981	84,973	81,974	84,896	87,705	89,190	89,410	90,738	85,927	87,881
Number of full-time equivalent employees	18	7,188	7,142	7,011	6,992	7,138	7,408	7,421	7,345	7,055	7,188	7,138	7,055

\$USD Equivalent

Net interest income (teb)	19	774	762	729	718	708	689	648	673	671	2,983	2,718	2,635
Non-interest revenue	20	222	223	218	223	216	219	210	172	227	886	817	845
Total revenue (teb)	21	996	985	947	941	924	908	858	845	898	3,869	3,535	3,480
Provision for credit losses on impaired loans (1)	22	46	42	51	62						201		
Provision for (recovery of) credit losses on performing loans (1)	23	14	(11)	(9)	(25)						(31)		
Total provision for credit losses (1)	24	60	31	42	37	52	58	67	44	50	170	221	188
Net interest and non-interest revenue (teb), net of PCL	25	936	954	905	904	872	850	791	801	848	3,699	3,314	3,292
Non-interest expense	26	602	601	562	573	574	578	545	556	560	2,338	2,253	2,199
Income before taxes	27	334	353	343	331	298	272	246	245	288	1,361	1,061	1,093
Provision for income taxes (teb)	28	49	74	71	84	84	66	67	57	77	278	274	299
Net income	29	285	279	272	247	214	206	179	188	211	1,083	787	794
Adjusted net income	30	294	288	280	256	223	215	188	197	220	1,118	823	831
Net interest margin on average earning assets (teb)	31	3.69 %	3.71 %	3.77 %	3.70 %	3.70 %	3.74 %	3.66 %	3.64 %	3.53 %	3.72 %	3.69 %	3.57 %
Revenue growth	32	7.8 %	8.5 %	10.4 %	11.3 %	2.8 %	2.2 %	(1.8)%	3.0 %	24.5 %	9.4 %	1.6 %	21.1 %
Non-interest expense growth	33	4.8 %	4.1 %	3.0 %	3.0 %	2.6 %	5.8 %	(2.8)%	4.3 %	14.3 %	3.8 %	2.4 %	14.6 %
Adjusted non-interest expense	34	591	590	551	561	561	566	533	544	547	2,293	2,204	2,147
Adjusted non-interest expense growth	35	5.1 %	4.3 %	3.2 %	3.2 %	2.8 %	6.1 %	(2.7)%	4.5 %	14.9 %	4.0 %	2.6 %	15.3 %
Efficiency ratio (teb)	36	60.5 %	61.0 %	59.3 %	60.9 %	62.2 %	63.6 %	63.5 %	65.8 %	62.3 %	60.4 %	63.7 %	63.2 %
Adjusted efficiency ratio (teb)	37	59.4 %	59.9 %	58.1 %	59.7 %	60.9 %	62.2 %	62.1 %	64.4 %	60.9 %	59.3 %	62.4 %	61.7 %
Operating leverage	38	3.0 %	4.4 %	7.4 %	8.3 %	0.2 %	(3.6)%	1.0 %	(1.3)%	10.2 %	5.6 %	(0.8)%	6.5 %
Adjusted operating leverage	39	2.7 %	4.2 %	7.2 %	8.1 %	0.0 %	(3.9)%	0.9 %	(1.5)%	9.6 %	5.4 %	(1.0)%	5.8 %
Net income growth	40	32.8 %	35.3 %	52.1 %	31.4 %	1.9 %	0.1 %	(11.1)%	6.5 %	35.2 %	37.5 %	(0.8)%	21.8 %
Adjusted net income growth	41	31.4 %	33.8 %	49.5 %	29.8 %	1.6 %	(0.1)%	(10.8)%	6.0 %	32.3 %	35.8 %	(1.0)%	19.8 %
Average assets	42	88,587	86,653	84,482	82,881	81,771	79,121	78,321	79,751	82,133	85,660	79,752	80,108
Average earning assets	43	83,336	81,428	79,118	77,101	75,849	73,221	72,454	73,440	75,751	80,255	73,752	73,724
Average net loans and acceptances (2)	44	78,835	76,765	74,208	72,378	71,603	68,791	68,045	68,817	70,563	75,558	69,324	68,599
Average gross loans and acceptances: Personal	45	20,314	20,086	19,822	19,565	17,895	17,881	18,096	18,858	20,785	19,948	18,183	21,621
Commercial	46	59,055	57,215	54,925	53,239	53,651	50,846	49,931	49,977	49,818	56,119	51,111	47,049
Total average gross loans and acceptances (2)	47	79,369	77,301	74,747	72,804	71,546	68,727	68,027	68,835	70,603	76,067	69,294	68,670
Average deposits: Personal	48	47,995	46,845	45,099	44,255	42,872	42,236	42,394	42,418	41,736	46,056	42,481	40,496
Commercial	49	25,673	23,633	24,883	23,328	22,080	23,188	23,002	24,695	25,924	24,375	23,243	25,847
Total average deposits	50	73,668	70,478	69,982	67,583	64,952	65,424	65,396	67,113	67,660	70,431	65,724	66,343

(1) 2016 and 2017 have not been restated to reflect the new IFRS standard adopted in 2018. The adoption of the new IFRS standard in 2018 has been applied prospectively.

(2) Excludes purchased credit impaired loans.

NON-INTEREST REVENUE AND TRADING REVENUE

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
(\$ millions except as noted)													
Non-Interest Revenue													
Securities commissions and fees	1	257	259	251	262	234	240	244	251	239	1,029	969	924
Deposit and payment service charges	2	292	294	279	279	282	286	275	280	281	1,144	1,123	1,076
Trading revenue	3	477	503	433	417	302	376	266	408	310	1,830	1,352	1,192
Lending fees	4	266	248	236	247	230	238	226	223	213	997	917	859
Card fees	5	143	144	149	128	132	129	99	119	139	564	479	526
Investment management and custodial fees	6	438	446	435	423	416	404	402	400	404	1,742	1,622	1,556
Mutual fund revenue	7	359	372	376	366	354	360	351	346	341	1,473	1,411	1,364
Underwriting and advisory fees	8	242	262	213	219	251	226	311	248	279	936	1,036	820
Securities gains, other than trading	9	83	51	38	67	41	43	56	31	36	239	171	84
Foreign exchange gains, other than trading	10	42	41	63	36	60	29	68	34	48	182	191	162
Insurance revenue	11	485	427	460	507	629	401	844	196	233	1,879	2,070	2,023
Investments in associates and joint ventures	12	38	44	41	44	47	58	38	243	94	167	386	140
Other	13	131	122	152	137	142	136	152	96	163	542	526	489
Total Non-Interest Revenue	14	3,253	3,213	3,126	3,132	3,120	2,926	3,332	2,875	2,780	12,724	12,253	11,215
Total Non-Interest Revenue, net of CCPB	15	2,863	2,944	2,794	2,771	2,547	2,673	2,624	2,871	2,701	11,372	10,715	9,672
Total Adjusted Non-Interest Revenue (1)	16	3,253	3,213	3,126	3,132	3,120	2,926	3,332	2,875	2,780	12,724	12,253	11,299
Total Adjusted Non-Interest Revenue, net of CCPB (1)	17	2,863	2,944	2,794	2,771	2,547	2,673	2,624	2,871	2,701	11,372	10,715	9,756
Insurance revenue, net of CCPB	18	95	158	128	146	56	148	136	192	154	527	532	480
Non-interest revenue-to-total revenue, net of CCPB	19	51.8 %	53.0 %	52.9 %	52.1 %	50.1 %	51.3 %	52.1 %	53.2 %	52.0 %	52.4 %	51.7 %	49.5 %

Interest and Non-Interest Trading Revenue (teb) (2)

Interest rates	20	103	101	100	133	99	105	108	168	135	437	480	663
Foreign exchange	21	90	95	100	92	93	92	79	105	85	377	369	349
Equities	22	199	177	164	169	185	124	214	204	167	709	727	629
Commodities	23	10	18	15	20	17	30	16	21	20	63	84	66
Other (3)	24	26	38	(2)	20	13	21	4	9	3	82	47	25
Total (teb)	25	428	429	377	434	407	372	421	507	410	1,668	1,707	1,732
Teb offset	26	56	50	50	104	157	42	191	98	106	260	488	441
Total trading revenue	27	372	379	327	330	250	330	230	409	304	1,408	1,219	1,291
Reported as:													
Net interest income	28	(49)	(74)	(56)	17	105	(4)	155	99	100	(162)	355	540
Non-interest revenue - trading revenue	29	477	503	433	417	302	376	266	408	310	1,830	1,352	1,192
Total (teb)	30	428	429	377	434	407	372	421	507	410	1,668	1,707	1,732
Teb offset	31	56	50	50	104	157	42	191	98	106	260	488	441
Reported total trading revenue	32	372	379	327	330	250	330	230	409	304	1,408	1,219	1,291
Adjusted non-interest revenue - trading revenue	33	477	503	433	417	302	376	266	408	310	1,830	1,352	1,192
Adjusted total trading revenue	34	372	379	327	330	250	330	230	409	304	1,408	1,219	1,291

(1) Adjusted non-interest revenue excludes a cumulative accounting adjustment in the amount of \$85 million pre-tax recognized in Q1 2016 in other non-interest revenue related to foreign currency translation, largely impacting prior periods.

(2) Trading revenues presented on a tax equivalent basis.

(3) Includes the impact of run-off structured credit activities and hedging exposures in our structural balance sheet.

Trading revenues include interest and other income earned on trading securities and other cash instruments held in trading portfolios, less internal and external funding costs associated with trading-related derivatives and cash instruments, and realized and unrealized gains and losses on trading securities, other cash instruments, derivatives and foreign exchange activities.

Interest rates includes Canadian and other government securities, corporate debt instruments and interest rate derivatives.

Foreign exchange includes foreign exchange spot and foreign exchange derivatives contracts from our wholesale banking business.

Equities includes institutional equities and equity derivatives.

Other includes managed futures, credit investment management, Harris trading and global distribution loan trading and sales.

NON-INTEREST EXPENSE

(\$ millions except as noted)

LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
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Reported Non-Interest Expense

Employee compensation													
Salaries	1	1,016	1,005	1,176	977	1,034	1,014	954	993	974	4,174	3,995	4,082
Performance based compensation	2	640	605	579	686	574	579	548	685	581	2,510	2,386	2,278
Employee benefits	3	(44)	263	256	300	234	271	276	305	252	775	1,086	1,022
Total employee compensation	4	1,612	1,873	2,011	1,963	1,842	1,864	1,778	1,983	1,807	7,459	7,467	7,382
Premises and equipment													
Rental of real estate	5	135	134	132	125	116	125	128	125	124	526	494	486
Premises, furniture and fixtures	6	104	65	82	94	57	63	93	69	99	345	282	337
Property taxes	7	9	10	9	10	10	9	10	10	9	38	39	42
Computer and equipment	8	497	463	449	435	445	408	420	403	420	1,844	1,676	1,528
Total premises and equipment	9	745	672	672	664	628	605	651	607	652	2,753	2,491	2,393
Amortization of intangible assets	10	125	126	129	123	127	117	122	119	111	503	485	444
Other expenses													
Travel and business development	11	186	157	173	157	183	170	179	161	189	673	693	646
Communications	12	70	70	75	67	69	74	74	69	71	282	286	294
Business and capital taxes	13	8	11	9	10	10	9	8	11	9	38	38	42
Professional fees	14	158	142	141	123	172	139	128	124	139	564	563	523
Other	15	320	335	352	334	344	308	344	311	352	1,341	1,307	1,317
Total other expenses	16	742	715	750	691	778	700	733	676	760	2,898	2,887	2,822
Reported non-interest expense	17	3,224	3,386	3,562	3,441	3,375	3,286	3,284	3,385	3,330	13,613	13,330	13,041

Adjusted Non-Interest Expense (1)

Employee compensation													
Salaries	18	1,011	1,002	953	976	971	1,011	950	989	970	3,942	3,921	3,877
Performance based compensation	19	640	604	578	686	573	578	547	683	573	2,508	2,381	2,248
Employee benefits	20	233	263	256	300	234	271	276	305	250	1,052	1,086	1,017
Total employee compensation	21	1,884	1,869	1,787	1,962	1,778	1,860	1,773	1,977	1,793	7,502	7,388	7,142
Premises and equipment													
Rental of real estate	22	135	134	132	125	116	125	128	125	124	526	494	486
Premises, furniture and fixtures	23	104	65	82	94	57	63	93	69	99	345	282	337
Property taxes	24	9	10	9	10	10	9	10	10	9	38	39	42
Computer and equipment	25	490	459	447	433	428	394	405	388	405	1,829	1,615	1,492
Total premises and equipment	26	738	668	670	662	611	591	636	592	637	2,738	2,430	2,357
Amortization of intangible assets	27	94	98	100	95	93	82	79	82	74	387	336	284
Other expenses													
Travel and business development	28	186	157	173	157	183	170	179	161	189	673	693	643
Communications	29	70	70	75	67	69	74	74	69	71	282	286	294
Business and capital taxes	30	8	11	9	10	10	9	8	11	9	38	38	42
Professional fees	31	154	142	133	123	172	138	127	124	138	552	561	514
Other	32	318	335	322	333	342	307	344	310	351	1,308	1,303	1,312
Total other expenses	33	736	715	712	690	776	698	732	675	758	2,853	2,881	2,805
Total adjusted non-interest expense	34	3,452	3,350	3,269	3,409	3,258	3,231	3,220	3,326	3,262	13,480	13,035	12,588

(1) Adjusted non-interest expense excludes acquisition-related costs (including integration of the acquired business), restructuring costs, amortization of acquisition-related intangible assets and benefit from the remeasurement of an employee benefit liability.

BALANCE SHEET

(\$ millions)

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	INC/(DEC) VS LAST YEAR	
As At Balances												
Cash and Cash Equivalents	1	42,142	41,072	35,922	41,159	32,599	32,574	35,528	34,079	31,653	9,543	29.3 %
Interest Bearing Deposits with Banks	2	8,305	7,637	7,637	6,740	6,490	5,907	6,360	5,888	4,449	1,815	28.0 %
Securities	3	180,935	167,318	165,380	163,551	163,198	158,646	157,045	151,779	149,985	17,737	10.9 %
Securities Borrowed or Purchased Under Resale Agreements	4	85,051	101,679	94,681	83,194	75,047	73,928	80,951	78,753	66,646	10,004	13.3 %
Loans												
Residential mortgages	5	119,620	118,736	117,770	117,186	115,258	113,983	112,989	112,469	112,277	4,362	3.8 %
Non-residential mortgages	6	14,017	13,217	12,528	11,608	11,744	11,198	11,500	11,162	11,376	2,273	19.4 %
Consumer instalment and other personal	7	63,225	62,485	61,733	61,118	61,944	61,508	61,887	61,481	64,680	1,281	2.1 %
Credit cards	8	8,329	8,236	8,175	7,994	8,071	8,076	8,004	7,888	8,101	258	3.2 %
Business and government	9	180,439	174,747	170,342	160,380	163,323	164,078	171,027	160,313	163,009	17,116	10.5 %
Allowance for credit losses	10	385,630	377,421	370,548	358,286	360,340	358,843	365,407	353,313	359,443	25,290	7.0 %
	11	(1,639)	(1,660)	(1,647)	(1,624)	(1,833)	(1,822)	(1,937)	(1,868)	(1,925)	194	10.7 %
Total net loans	12	383,991	375,761	368,901	356,662	358,507	357,021	363,470	351,445	357,518	25,484	7.1 %
Other Assets												
Derivative instruments	13	26,204	24,810	26,588	31,756	28,951	35,003	31,943	30,161	39,183	(2,747)	(9.5)%
Customers' liability under acceptances	14	18,585	17,874	16,385	16,705	16,546	14,599	13,773	13,588	13,021	2,039	12.3 %
Premises and equipment	15	1,986	1,924	1,966	1,965	2,033	1,968	2,067	2,062	2,147	(47)	(2.3)%
Goodwill	16	6,373	6,275	6,263	6,056	6,244	6,041	6,556	6,235	6,381	129	2.1 %
Intangible assets	17	2,272	2,207	2,190	2,144	2,159	2,125	2,207	2,151	2,178	113	5.2 %
Other	18	18,204	18,761	17,656	17,977	17,806	20,805	19,043	16,243	14,774	398	2.2 %
Total Assets	19	774,048	765,318	743,569	727,909	709,580	708,617	718,943	692,384	687,935	64,468	9.1 %
Deposits												
Banks	20	27,907	28,470	32,344	28,481	28,205	28,641	30,593	28,720	31,489	(298)	(1.1)%
Business and government	21	313,300	302,064	286,370	279,550	283,276	276,429	283,686	282,073	275,905	30,024	10.6 %
Individuals	22	180,844	176,382	172,484	167,534	168,311	164,695	170,686	163,844	162,887	12,533	7.4 %
Total deposits	23	522,051	506,916	491,198	475,565	479,792	469,765	484,965	474,637	470,281	42,259	8.8 %
Other Liabilities												
Derivative instruments	24	24,411	24,480	24,770	31,079	27,804	37,228	32,025	31,770	38,227	(3,393)	(12.2)%
Acceptances	25	18,585	17,874	16,385	16,705	16,546	14,599	13,773	13,588	13,021	2,039	12.3 %
Securities sold but not yet purchased	26	28,804	24,409	25,414	26,367	25,163	26,311	24,018	21,965	25,106	3,641	14.5 %
Securities lent or sold under repurchase agreements	27	66,684	83,471	78,782	72,260	55,119	61,517	62,036	53,500	40,718	11,565	21.0 %
Securitization and structured entities' liabilities	28	25,051	23,545	23,565	23,503	23,054	21,689	22,262	21,794	22,377	1,997	8.7 %
Other	29	35,953	34,249	34,082	33,139	32,719	29,511	30,633	28,279	31,438	3,234	9.9 %
Subordinated Debt	30	6,782	5,618	5,627	6,463	5,029	5,063	4,318	4,370	4,439	1,753	34.8 %
Share Capital												
Preferred shares	31	4,340	4,240	4,240	4,240	4,240	4,240	4,340	3,840	3,840	100	2.4 %
Common shares	32	12,929	12,924	12,926	13,020	13,032	13,044	13,072	12,791	12,539	(103)	(0.8)%
Contributed surplus	33	300	302	304	306	307	305	307	303	294	(7)	(2.2)%
Retained earnings	34	25,856	24,909	24,119	23,902	23,709	23,183	22,703	22,077	21,205	2,147	9.1 %
Accumulated other comprehensive income	35	2,302	2,381	2,157	1,360	3,066	2,162	4,491	3,446	4,426	(764)	(24.9)%
Total shareholders' equity	36	45,727	44,756	43,746	42,828	44,354	42,934	44,913	42,457	42,304	1,373	3.1 %
Non-controlling interest in subsidiaries	37	-	-	-	-	-	-	-	24	24	-	(28.1)%
Total Liabilities and Equity	38	774,048	765,318	743,569	727,909	709,580	708,617	718,943	692,384	687,935	64,468	9.1 %

BALANCE SHEET

(\$ millions)

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	INC/ (DEC)
Average Daily Balances													
Cash Resources	1	53,556	48,505	49,752	43,276	42,196	40,562	40,448	41,096	44,889	48,765	41,081	18.7 %
Securities	2	177,234	169,390	165,185	169,563	159,842	161,713	160,309	158,051	148,254	170,385	159,976	6.5 %
Securities Borrowed or Purchased Under Resale Agreements	3	99,140	98,138	88,793	81,713	81,735	84,495	90,537	92,516	83,736	91,972	87,294	5.4 %
Loans													
Residential mortgages	4	118,955	118,153	117,427	117,067	114,558	113,271	112,529	112,326	110,942	117,904	113,177	4.2 %
Non-residential mortgages	5	13,615	12,914	12,132	11,622	11,372	11,230	11,274	11,216	11,084	12,574	11,273	11.5 %
Consumer instalment and other personal	6	62,710	62,117	61,507	61,565	61,652	61,610	61,657	62,369	64,383	61,978	61,823	0.3 %
Credit cards	7	8,314	8,281	8,010	8,248	8,093	8,083	7,893	8,170	8,089	8,215	8,061	1.9 %
Business and government	8	178,094	174,305	168,882	162,385	162,870	164,490	165,165	163,089	161,464	170,934	163,893	4.3 %
Allowance for credit losses	9	381,688	375,770	367,958	360,887	358,545	358,684	358,518	357,170	355,962	371,605	358,227	3.7 %
	10	(1,677)	(1,680)	(1,652)	(1,608)	(1,798)	(1,889)	(1,907)	(1,978)	(1,997)	(1,654)	(1,893)	12.6 %
Total net loans	11	380,011	374,090	366,306	359,279	356,747	356,795	356,611	355,192	353,965	369,951	356,334	3.8 %
Other Assets													
Derivative instruments	12	23,867	27,032	28,278	29,584	30,752	34,315	30,302	35,606	39,445	27,181	32,764	(17.0)%
Customers' liability under acceptances	13	18,424	17,232	16,630	15,733	16,314	14,695	13,980	13,253	12,474	17,008	14,565	16.8 %
Other	14	29,108	30,003	28,694	28,315	28,220	30,933	33,313	30,070	30,212	29,033	30,612	(5.2)%
Total Assets	15	781,340	764,390	743,638	727,463	715,806	723,508	725,500	725,784	712,975	754,295	722,626	4.4 %
Deposits													
Banks	16	30,194	29,896	31,138	28,370	28,848	29,558	31,800	32,561	33,410	29,889	30,683	(2.6)%
Business and government	17	310,516	297,309	290,537	284,368	280,250	283,045	288,070	288,106	281,834	295,725	284,841	3.8 %
Individuals	18	177,397	174,631	171,043	167,801	165,092	166,533	167,005	163,202	160,413	172,732	165,445	4.4 %
Total deposits	19	518,107	501,836	492,718	480,539	474,190	479,136	486,875	483,869	475,657	498,346	480,969	3.6 %
Other Liabilities													
Derivative instruments	20	23,352	26,479	25,932	29,042	30,897	34,656	31,411	36,892	38,850	26,204	33,481	(21.7)%
Acceptances	21	18,424	17,232	16,630	15,733	16,314	14,695	13,980	13,253	12,474	17,008	14,565	16.8 %
Securities sold but not yet purchased	22	28,457	26,508	27,829	27,524	25,636	26,903	27,304	27,960	28,119	27,578	26,948	2.3 %
Securities lent or sold under repurchase agreements	23	81,926	83,408	74,180	68,402	67,141	67,079	66,986	64,835	59,162	77,002	66,506	15.8 %
Securitization and structured entities' liabilities	24	24,344	23,622	23,478	22,670	21,875	22,045	22,110	22,115	22,254	23,529	22,036	6.8 %
Other	25	35,881	35,417	33,516	34,097	31,705	30,733	29,203	30,201	31,007	34,737	30,471	14.0 %
Subordinated Debt	26	5,912	5,637	6,186	5,884	5,043	4,602	4,330	4,405	4,456	5,902	4,597	28.4 %
Shareholders' equity	27	44,937	44,251	43,169	43,572	43,005	43,659	43,287	42,233	40,972	43,989	43,044	2.2 %
Non-controlling interest in subsidiaries	28	-	-	-	-	-	-	14	21	24	-	9	(99.9)%
Total Liabilities and Equity	29	781,340	764,390	743,638	727,463	715,806	723,508	725,500	725,784	712,975	754,295	722,626	4.4 %

STATEMENT OF COMPREHENSIVE INCOME

(\$ millions)

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
Net Income	1	1,695	1,536	1,246	973	1,227	1,387	1,248	1,488	1,345	5,450	5,350	4,631
Other Comprehensive Income (Loss), net of taxes													
Items that may subsequently be reclassified to net income													
Net change in unrealized gains (losses) on fair value through other comprehensive income (OCI) securities (1)													
Unrealized gains (losses) on fair value through OCI debt securities arising during the period	2	(49)	16	(105)	(113)	27	9	155	(96)	(31)	(251)	95	151
Unrealized gains (losses) on available-for-sale securities arising during the period	3								(5)	(6)	(65)	(87)	(28)
Reclassification to earnings of (gains) in the period	4	(22)	(7)	(23)	(13)	(17)	(28)	(37)	(5)	(6)	(65)	(87)	(28)
	5	(71)	9	(128)	(126)	10	(19)	118	(101)	(37)	(316)	8	123
Net change in unrealized gains (losses) on cash flow hedges													
(Losses) on derivatives designated as cash flow hedges arising during the period	6	(309)	(218)	(106)	(595)	(27)	(369)	(41)	(402)	(248)	(1,228)	(839)	(26)
Reclassification to earnings of losses on derivatives designated as cash flow hedges	7	120	101	84	31	36	3	11	11	11	336	61	10
	8	(189)	(117)	(22)	(564)	9	(366)	(30)	(391)	(237)	(892)	(778)	(16)
Net gains (losses) on translation of net foreign operations													
Unrealized gains (losses) on translation of net foreign operations	9	303	145	1,059	(1,090)	952	(2,410)	1,355	(782)	579	417	(885)	213
Unrealized gains (losses) on hedges of net foreign operations	10	(62)	(43)	(181)	131	(138)	252	(187)	96	(90)	(155)	23	41
	11	241	102	878	(959)	814	(2,158)	1,168	(686)	489	262	(862)	254
Items that will not be reclassified to net income													
Gains (losses) on remeasurement of pension and other employee future benefit plans	12	(42)	204	27	72	103	172	(96)	241	28	261	420	(422)
Gains (losses) on remeasurement of own credit risk on financial liabilities designated at fair value	13	(18)	26	42	(74)	(32)	42	(115)	(43)	(41)	(24)	(148)	(153)
	14	(60)	230	69	(2)	71	214	(211)	198	(13)	237	272	(575)
Other Comprehensive Income (Loss), net of taxes	15	(79)	224	797	(1,651)	904	(2,329)	1,045	(980)	202	(709)	(1,360)	(214)
Total Comprehensive Income (Loss)	16	1,616	1,760	2,043	(678)	2,131	(942)	2,293	508	1,547	4,741	3,990	4,417
Attributable to:													
Bank shareholders	17	1,616	1,760	2,043	(678)	2,131	(942)	2,292	507	1,546	4,741	3,988	4,408
Non-controlling interest in subsidiaries	18	-	-	-	-	-	-	1	1	1	-	2	9
Total Comprehensive Income (Loss)	19	1,616	1,760	2,043	(678)	2,131	(942)	2,293	508	1,547	4,741	3,990	4,417

(1) Q4 2017 and prior periods represent available-for-sale securities.

STATEMENT OF CHANGES IN EQUITY

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
Preferred Shares													
Balance at beginning of period	1	4,240	4,240	4,240	4,240	4,240	4,340	3,840	3,840	3,240	4,240	3,840	3,240
Issued during the period	2	400	-	-	-	-	400	500	-	600	400	900	600
Redeemed during the period	3	(300)	-	-	-	-	(500)	-	-	-	(300)	(500)	-
Balance at End of Period	4	4,340	4,240	4,240	4,240	4,240	4,240	4,340	3,840	3,840	4,340	4,240	3,840
Common Shares													
Balance at beginning of period	5	12,924	12,926	13,020	13,032	13,044	13,072	12,791	12,539	12,463	13,032	12,539	12,313
Issued under the Shareholder Dividend Reinvestment and Share Purchase Plan	6	-	-	-	-	-	47	215	186	45	-	448	90
Issued under the Stock Option Plan	7	26	18	7	48	9	5	66	66	31	99	146	136
Repurchased for cancellation	8	(21)	(20)	(101)	(60)	(21)	(80)	-	-	-	(202)	(101)	-
Balance at End of Period	9	12,929	12,924	12,926	13,020	13,032	13,044	13,072	12,791	12,539	12,929	13,032	12,539
Contributed Surplus													
Balance at beginning of period	10	302	304	306	307	305	307	303	294	294	307	294	299
Stock option expense, net of options exercised	11	(2)	(1)	(3)	(6)	2	(2)	(3)	9	(8)	(12)	6	(14)
Other	12	-	(1)	1	5	-	-	7	-	8	5	7	9
Balance at End of Period	13	300	302	304	306	307	305	307	303	294	300	307	294
Retained Earnings													
Balance at beginning of period	14	24,909	24,119	23,902	23,709	23,183	22,703	22,077	21,205	20,456	23,709	21,205	18,930
Impact from adopting IFRS 9	15	-	-	-	99	-	-	-	-	-	99	-	-
Net income attributable to bank shareholders	16	1,695	1,536	1,246	973	1,227	1,387	1,247	1,487	1,344	5,450	5,348	4,622
Dividends - Preferred shares	17	(43)	(50)	(46)	(45)	(48)	(49)	(42)	(45)	(34)	(184)	(184)	(150)
- Common shares	18	(614)	(614)	(596)	(600)	(583)	(584)	(575)	(570)	(555)	(2,424)	(2,312)	(2,191)
Share issue expense	19	(5)	-	-	-	-	(5)	(4)	-	(6)	(5)	(9)	(6)
Common shares repurchased for cancellation	20	(86)	(82)	(387)	(234)	(70)	(269)	-	-	-	(789)	(339)	-
Balance at End of Period	21	25,856	24,909	24,119	23,902	23,709	23,183	22,703	22,077	21,205	25,856	23,709	21,205
Accumulated Other Comprehensive Income (Loss) on Fair Value through OCI Securities, net of taxes (1)													
Balance at beginning of period	22	(244)	(253)	(125)	56	46	65	(53)	48	85	56	48	(75)
Impact from adopting IFRS 9	23	-	-	-	(55)	-	-	-	-	-	(55)	-	-
Unrealized gains (losses) on fair value through OCI debt securities arising during the period	24	(49)	16	(105)	(113)	-	-	-	-	-	(251)	-	-
Unrealized gains (losses) on available-for-sale securities arising during the period	25	-	-	-	-	27	9	155	(96)	(31)	-	95	151
Reclassification to earnings of (gains) in the period	26	(22)	(7)	(23)	(13)	(17)	(28)	(37)	(5)	(6)	(65)	(87)	(28)
Balance at End of Period	27	(315)	(244)	(253)	(125)	56	46	65	(53)	48	(315)	56	48
Accumulated Other Comprehensive Income (Loss) on Cash Flow Hedges, net of taxes													
Balance at beginning of period	28	(885)	(768)	(746)	(182)	(191)	175	205	596	833	(182)	596	612
(Losses) on derivatives designated as cash flow hedges arising during the period	29	(309)	(218)	(106)	(595)	(27)	(369)	(41)	(402)	(248)	(1,228)	(839)	(26)
Reclassification to earnings of losses on derivatives designated as cash flow hedges in the period	30	120	101	84	31	36	3	11	11	11	336	61	10
Balance at End of Period	31	(1,074)	(885)	(768)	(746)	(182)	(191)	175	205	596	(1,074)	(885)	596
Accumulated Other Comprehensive Income on Translation of Net Foreign Operations, net of taxes													
Balance at beginning of period	32	3,486	3,384	2,506	3,465	2,651	4,809	3,641	4,327	3,838	3,465	4,327	4,073
Unrealized gains (losses) on translation of net foreign operations	33	303	145	1,059	(1,090)	952	(2,410)	1,355	(782)	579	417	(885)	213
Unrealized gains (losses) on hedges of net foreign operations	34	(62)	(43)	(181)	131	(138)	252	(187)	96	(90)	(155)	23	41
Balance at End of Period	35	3,727	3,486	3,384	2,506	3,465	2,651	4,809	3,641	4,327	3,727	3,465	4,327
Accumulated Other Comprehensive Income (Loss) on Pension and Other Employee Future Benefit Plans, net of taxes													
Balance at beginning of period	36	211	7	(20)	(92)	(195)	(367)	(271)	(512)	(540)	(92)	(512)	(90)
Gains (losses) on remeasurement of pension and other employee future benefit plans	37	(42)	204	27	72	103	172	(96)	241	28	261	420	(422)
Balance at End of Period	38	169	211	7	(20)	(92)	(195)	(367)	(271)	(512)	169	(92)	(512)
Accumulated Other Comprehensive Income (Loss) on Own Credit Risk on Financial Liabilities Designated at Fair Value, net of taxes													
Balance at beginning of period	39	(187)	(213)	(255)	(181)	(149)	(191)	(76)	(33)	8	(181)	(33)	120
Gains (losses) on remeasurement of own credit risk on financial liabilities designated at fair value	40	(18)	26	42	(74)	(32)	42	(115)	(43)	(41)	(24)	(148)	(153)
Balance at End of Period	41	(205)	(187)	(213)	(255)	(181)	(149)	(191)	(76)	(33)	(205)	(181)	(33)
Total Accumulated Other Comprehensive Income	42	2,302	2,381	2,157	1,360	3,066	2,162	4,491	3,446	4,426	2,302	3,066	4,426
Total Shareholders' Equity	43	45,727	44,756	43,746	42,828	44,354	42,934	44,913	42,457	42,304	45,727	44,354	42,304
Non-controlling Interest in Subsidiaries													
Balance at beginning of period	44	-	-	-	-	-	-	24	24	27	-	24	491
Net income attributable to non-controlling interest	45	-	-	-	-	-	-	1	1	1	-	2	9
Dividends to non-controlling interest	46	-	-	-	-	-	-	-	-	-	-	-	(10)
Redemption/purchase of non-controlling interest	47	-	-	-	-	-	-	(25)	-	-	-	(25)	(450)
Other	48	-	-	-	-	-	-	-	(1)	(4)	-	(1)	(16)
Balance at End of Period	49	-	-	-	-	-	-	24	24	24	-	-	24
Total Equity	50	45,727	44,756	43,746	42,828	44,354	42,934	44,913	42,481	42,328	45,727	44,354	42,328

(1) Q4 2017 and prior periods represent available-for-sale securities.

GOODWILL AND INTANGIBLE ASSETS

LINE #	November 1 2017	Additions (disposals) (1)				Amortization				Foreign exchange and other (2)				October 31 2018	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
Intangible Assets															
Customer relationships	1	223	-	-	-	35	(11)	(12)	(12)	(11)	(5)	7	(1)	-	213
Core deposits	2	169	-	-	-	-	(13)	(13)	(12)	(13)	(7)	7	1	2	121
Branch distribution networks	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Software - amortizing	4	1,078	210	86	99	47	(94)	(99)	(98)	(96)	(7)	13	8	10	1,157
Software under development	5	398	(81)	46	46	83	-	-	-	-	(9)	6	-	7	496
Other	6	291	2	6	-	4	(5)	(5)	(4)	(5)	5	4	(10)	2	285
Total Intangible Assets	7	2,159	131	138	145	169	(123)	(129)	(126)	(125)	(23)	37	(2)	21	2,272
Total Goodwill	8	6,244	-	-	-	54	-	-	-	-	(188)	207	12	44	6,373

(1) Net additions (disposals) include intangible assets acquired through acquisitions and assets acquired through the normal course of operations.

(2) Other changes in goodwill and intangible assets include the foreign exchange effects on intangible assets and goodwill denominated in foreign currency, purchase accounting adjustments and certain other reclassifications.

UNREALIZED GAINS (LOSSES) ON FAIR VALUE THROUGH OTHER COMPREHENSIVE INCOME SECURITIES (3)

(\$ millions)	Fair Value	Unrealized Gains (Losses)										
		2018 Q4	2018 Q3	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4
Issued or guaranteed by:												
Canadian governments	9	19,667	18,673	(113)	(94)	(82)	(78)					
U.S. governments	10	20,478	19,140	(619)	(579)	(625)	(525)					
Other governments	11	4,790	3,354	(28)	(21)	(18)	(14)					
National Housing Act (NHA) mortgage-backed securities (MBS)	12	2,370	2,335	(12)	(12)	(7)	(9)					
U.S. agency MBS and collateralized mortgage obligations (CMO)	13	11,317	11,638	(494)	(441)	(418)	(300)					
Corporate debt	14	3,756	4,123	(27)	(42)	(38)	(19)					
Corporate equity	15	62	59	-	-	-	-					
Total	16	62,440	59,322	(1,293)	(1,189)	(1,188)	(945)					

(3) Unrealized gains (losses) may be offset by related (losses) gains on hedge contracts.

UNREALIZED GAINS (LOSSES) ON AVAILABLE-FOR-SALE SECURITIES (4)

(\$ millions)	Fair Value	Unrealized Gains (Losses)										
		2018 Q4	2018 Q3	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4
Issued or guaranteed by:												
Canadian governments	17							(18)	(56)	89	(6)	165
U.S. governments	18							(174)	(56)	(95)	(248)	64
Other governments	19							(9)	(6)	(2)	(14)	13
National Housing Act (NHA) mortgage-backed securities (MBS)	20							(2)	(9)	17	10	34
U.S. agency MBS and collateralized mortgage obligations (CMO)	21							(141)	(95)	(109)	(139)	24
Corporate debt	22							11	9	35	6	73
Corporate equity	23							105	100	111	92	86
Total	24							(228)	(113)	46	(299)	459

(4) Unrealized gains (losses) may be offset by related (losses) gains on hedge contracts.

ASSETS UNDER ADMINISTRATION AND MANAGEMENT

(\$ millions)		2018	2018	2018	2018	2017	2017	2017	2017	2016
		Q4	Q3	Q2	Q1	Q4	Q3	Q2	Q1	Q4
Assets Under Administration (5)										
Institutional (6)	25	317,295	303,672	296,447	284,907	286,401	387,781	417,265	413,660	414,252
Personal	26	242,811	246,712	242,080	238,618	217,757	203,842	215,198	207,277	208,495
Mutual Funds	27	29,646	34,124	33,469	33,692	33,635	32,391	33,560	31,821	31,834
Total	28	589,752	584,508	571,996	557,217	537,793	624,014	666,023	652,758	654,581
Assets Under Management										
Institutional	29	160,137	162,649	162,468	159,945	160,626	154,132	164,936	155,992	163,720
Personal	30	142,552	147,277	140,496	139,533	138,842	135,405	140,212	130,158	127,193
Mutual Funds	31	135,585	141,290	136,229	136,026	129,980	123,673	124,853	115,410	114,782
Total	32	438,274	451,216	439,193	435,504	429,448	413,210	430,001	401,560	405,695

(5) We have certain assets under management that are also administered by us and included in assets under administration.

(6) Amounts include securitized residential mortgages, including replacement pools, securitized real estate secured lines of credit and securitized credit cards.

CREDIT RISK FINANCIAL MEASURES (1)

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
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Diversification Ratios

Gross Loans And Acceptances													
Consumer	1	47.3 %	47.9 %	48.5 %	49.7 %	49.2 %	49.2 %	48.2 %	49.6 %	49.7 %			
Business and government	2	52.7 %	52.1 %	51.5 %	50.3 %	50.8 %	50.8 %	51.8 %	50.4 %	50.3 %			
Canada	3	65.1 %	65.3 %	66.0 %	66.7 %	66.3 %	66.3 %	64.5 %	65.8 %	64.5 %			
United States	4	32.5 %	32.4 %	31.3 %	30.1 %	30.6 %	30.8 %	32.3 %	31.0 %	32.7 %			
Other Countries	5	2.4 %	2.3 %	2.7 %	3.2 %	3.1 %	2.9 %	3.2 %	3.2 %	2.8 %			
Net Loans And Acceptances (2)													
Consumer	6	47.3 %	47.9 %	48.5 %	49.7 %	49.2 %	49.2 %	48.2 %	49.6 %	49.7 %			
Business and government	7	52.7 %	52.1 %	51.5 %	50.3 %	50.8 %	50.8 %	51.8 %	50.4 %	50.3 %			
Canada	8	65.1 %	65.3 %	66.0 %	66.8 %	66.4 %	66.4 %	64.5 %	65.8 %	64.6 %			
United States	9	32.5 %	32.3 %	31.3 %	30.0 %	30.5 %	30.7 %	32.3 %	30.9 %	32.6 %			
Other Countries	10	2.4 %	2.4 %	2.7 %	3.2 %	3.1 %	2.9 %	3.2 %	3.3 %	2.8 %			

Coverage Ratios

Allowance for Credit Losses (ACL) on Impaired Loans to Gross Impaired Loans and Acceptances (GIL) (3)													
Total	11	19.1 %	19.7 %	18.5 %	18.1 %	17.7 %	19.4 %	17.3 %	17.2 %	17.0 %	19.1 %	17.7 %	17.0 %
Consumer	12	18.1 %	17.9 %	17.6 %	15.8 %	16.9 %	16.8 %	16.2 %	14.8 %	15.7 %	18.1 %	16.9 %	15.7 %
Business and government	13	20.0 %	21.1 %	19.2 %	19.8 %	18.3 %	21.4 %	18.0 %	19.0 %	17.9 %	20.0 %	18.3 %	17.9 %
Net write-offs to average loans and acceptances (Annualized) (2)													
	14	0.20 %	0.15 %	0.18 %	0.17 %	0.17 %	0.19 %	0.22 %	0.17 %	0.26 %	0.17 %	0.19 %	0.19 %

Condition Ratios

GIL to Gross Loans and Acceptances (3)	15	0.48 %	0.53 %	0.56 %	0.57 %	0.59 %	0.58 %	0.64 %	0.61 %	0.64 %			
Net Impaired Loans and Acceptances (NIL) to Net Loans and Acceptances (2) (3) (4) (5)													
	16	0.39 %	0.42 %	0.46 %	0.47 %	0.49 %	0.47 %	0.53 %	0.51 %	0.53 %			
NIL to segmented Net Loans and Acceptances (2) (3) (4)													
Consumer	17	0.38 %	0.40 %	0.42 %	0.43 %	0.43 %	0.43 %	0.47 %	0.47 %	0.45 %			
Business and government	18	0.39 %	0.45 %	0.49 %	0.51 %	0.54 %	0.50 %	0.59 %	0.55 %	0.61 %			
Canada	19	0.21 %	0.22 %	0.22 %	0.25 %	0.23 %	0.22 %	0.23 %	0.23 %	0.26 %			
United States (5)	20	0.78 %	0.84 %	0.97 %	0.98 %	1.06 %	1.03 %	1.18 %	1.16 %	1.13 %			
Other Countries	21	0.00 %	0.39 %	0.34 %	0.20 %	0.26 %	0.27 %	0.28 %	0.01 %	0.01 %			

Consumer Loans (Canada)

90 Days & Over Delinquency Ratios

Consumer instalment and other personal	22	0.41 %	0.45 %	0.48 %	0.45 %	0.39 %	0.38 %	0.38 %	0.38 %	0.36 %			
Credit Cards (6)	23	0.88 %	0.90 %	1.00 %	1.06 %	1.03 %	1.07 %	1.11 %	1.04 %	0.92 %			
Mortgages	24	0.19 %	0.18 %	0.19 %	0.20 %	0.20 %	0.20 %	0.23 %	0.24 %	0.24 %			
Total Consumer	25	0.29 %	0.30 %	0.32 %	0.32 %	0.30 %	0.30 %	0.32 %	0.32 %	0.31 %			

Consumer Loans (U.S.)

90 Days & Over Delinquency Ratios

Consumer instalment and other personal	26	1.28 %	1.15 %	1.42 %	1.72 %	1.69 %	1.76 %	1.75 %	1.90 %	1.49 %			
Credit Cards (6)	27	1.00 %	1.04 %	1.14 %	1.09 %	1.15 %	1.10 %	0.92 %	1.04 %	1.09 %			
Mortgages	28	0.57 %	0.59 %	0.62 %	0.68 %	0.80 %	0.94 %	1.01 %	1.05 %	0.94 %			
Total Consumer	29	0.90 %	0.85 %	0.99 %	1.16 %	1.27 %	1.38 %	1.40 %	1.51 %	1.27 %			

Consumer Loans (Consolidated)

90 Days & Over Delinquency Ratios

Consumer instalment and other personal	30	0.55 %	0.56 %	0.63 %	0.64 %	0.60 %	0.60 %	0.62 %	0.64 %	0.61 %			
Credit Cards (6)	31	0.89 %	0.91 %	1.01 %	1.07 %	1.03 %	1.07 %	1.10 %	1.04 %	0.93 %			
Mortgages	32	0.22 %	0.22 %	0.23 %	0.24 %	0.25 %	0.26 %	0.29 %	0.30 %	0.29 %			
Total Consumer	33	0.36 %	0.36 %	0.40 %	0.41 %	0.40 %	0.41 %	0.44 %	0.45 %	0.43 %			

(1) Segmented credit information by geographic area is based upon the country of ultimate risk.

(2) Aggregate Net Loans and Acceptances balances are net of allowance for credit losses on performing and impaired loans (excluding those related to off-balance sheet instruments). The Consumer and Business and government Net Loans and Acceptances balances are stated net of allowance for credit losses on impaired loans (excluding those related to off-balance sheet instruments) only.

(3) Gross Impaired Loans and Net Impaired Loans exclude Purchased Credit Impaired Loans.

(4) Net Impaired Loan balances are net of allowance for credit losses on impaired loans, excluding those related to off-balance sheet instruments.

(5) Prior periods have been restated to conform with the current period's presentation.

(6) Excludes small business and Corporate credit cards.

**PROVISION FOR CREDIT LOSSES (PCL)
SEGMENTED INFORMATION (1) (2)**

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
(\$ millions except as noted)													
Performance Ratios (Annualized)													
PCL on impaired loans to average net loans and acceptances	1	0.18 %	0.18 %	0.18 %	0.19 %	0.22 %	0.22 %	0.27 %	0.18 %	0.18 %	0.18 %	0.22 %	0.22 %
PCL on impaired loans to segmented average net loans and acceptances													
Consumer	2	0.24 %	0.23 %	0.28 %	0.24 %	0.24 %	0.26 %	0.28 %	0.26 %	0.22 %	0.25 %	0.26 %	0.28 %
Business and Government	3	0.12 %	0.13 %	0.08 %	0.13 %	0.20 %	0.18 %	0.26 %	0.10 %	0.14 %	0.12 %	0.18 %	0.15 %
Canada	4	0.18 %	0.19 %	0.21 %	0.15 %	0.21 %	0.19 %	0.20 %	0.18 %	0.17 %	0.18 %	0.20 %	0.22 %
United States	5	0.21 %	0.19 %	0.18 %	0.28 %	0.24 %	0.29 %	0.38 %	0.19 %	0.23 %	0.21 %	0.28 %	0.23 %
Other Countries	6	(0.30)%	(0.12)%	(0.47)%	0.00 %	0.04 %	0.00 %	0.67 %	0.00 %	0.00 %	(0.22)%	0.18 %	0.00 %
Total PCL to average net loans and acceptances	7	0.18 %	0.19 %	0.17 %	0.15 %	0.22 %	0.14 %	0.27 %	0.18 %	0.18 %	0.17 %	0.20 %	0.22 %
Provision for Credit Losses on Impaired Loans by Country													
Canada	8	117	121	132	95	132	118	121	110	98	465	481	511
United States	9	67	59	53	79	69	84	110	57	69	258	320	260
Other Countries	10	(7)	(3)	(13)	-	1	-	20	-	-	(23)	21	-
Total Provision For Credit Losses on Impaired Loans	11	177	177	172	174	202	202	251	167	167	700	822	771
Provision for Credit Losses on Performing Loans by Country (3)													
Canada	12	(20)	3	(2)	(3)						(22)		
United States	13	15	5	(9)	(31)						(20)		
Other Countries	14	3	1	(1)	1						4		
Total Provision for Credit Losses on Performing Loans	15	(2)	9	(12)	(33)						(38)		
Total Provision for Credit Losses by Country													
Canada	16	97	124	130	92	119	62	121	129	73	443	431	547
United States	17	82	64	44	48	82	64	110	38	94	238	294	224
Other Countries	18	(4)	(2)	(14)	1	1	-	20	-	-	(19)	21	-
Total Provision for Credit Losses	19	175	186	160	141	202	126	251	167	167	662	746	771
Interest Income on Impaired Loans													
Total	20	16	17	18	16	15	21	16	23	17	67	75	74

**PROVISION FOR CREDIT LOSSES
SEGMENTED INFORMATION (2)**

		2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
(\$ millions)													
Provision by Product and Industry													
Consumer													
Residential mortgages	21	5	7	1	6	(4)	6	2	7	(3)	19	11	24
Credit cards	22	50	53	54	59	53	63	62	54	52	216	232	232
Consumer instalment and other personal	23	59	49	77	46	60	49	65	58	53	231	232	246
Total Consumer	24	114	109	132	111	109	118	129	119	102	466	475	502
Business and Government													
Commercial real estate	25	(2)	-	(3)	3	5	(5)	(2)	(2)	(5)	(2)	(4)	(16)
Construction (non-real estate)	26	1	-	(2)	1	(3)	13	11	4	3	-	25	15
Retail trade	27	8	-	-	2	14	12	(1)	4	2	10	29	13
Wholesale trade	28	(2)	6	11	3	13	3	12	(4)	2	18	24	11
Agriculture	29	6	7	18	6	1	8	17	5	10	37	31	56
Communications	30	-	-	-	-	(1)	-	-	-	-	-	(1)	2
Financing products	31	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	32	3	8	11	(2)	9	5	2	12	10	20	28	29
Mining	33	-	-	-	-	-	-	-	-	3	-	-	20
Oil and Gas	34	(5)	4	(25)	1	2	2	16	(11)	(6)	(25)	9	105
Transportation	35	19	19	16	20	25	31	29	23	30	74	108	56
Utilities	36	-	(2)	-	-	-	-	-	-	-	(2)	-	3
Forest Products	37	-	1	(1)	(1)	-	-	-	-	-	(1)	-	(1)
Service industries	38	29	21	16	21	21	16	47	18	19	87	102	21
Financial	39	-	(2)	(1)	(1)	-	(1)	2	(4)	2	(4)	(3)	(7)
Governments	40	-	-	-	-	-	-	-	-	-	-	-	-
Other	41	6	6	-	10	7	-	(11)	3	(5)	22	(1)	(38)
Total Business and Government	42	63	68	40	63	93	84	122	48	65	234	347	269
Total provision for credit losses on impaired loans	43	177	177	172	174	202	202	251	167	167	700	822	771
Total provision for credit losses on performing loans (3)	44	(2)	9	(12)	(33)						(38)		
Collective provision for credit losses	45						(76)					(76)	
Total Provision for Credit Losses	46	175	186	160	141	202	126	251	167	167	662	746	771

Provision Mix

Fiscal 2018	Fiscal 2017	Fiscal 2016
2.7%	1.3%	3.1%
30.9%	28.2%	30.1%
33.0%	28.2%	31.9%
66.6%	57.8%	65.1%
(0.3)%	(0.5)%	(2.1)%
0.0%	3.0%	1.9%
1.4%	3.5%	1.7%
2.6%	2.9%	1.4%
5.3%	3.8%	7.3%
0.0%	(0.1)%	0.3%
0.0%	0.0%	0.0%
2.9%	3.4%	3.8%
0.0%	0.0%	2.6%
(3.6)%	1.1%	13.6%
10.6%	13.1%	7.3%
(0.3)%	0.0%	0.4%
(0.1)%	0.0%	(0.1)%
12.4%	12.4%	2.7%
(0.6)%	(0.4)%	(0.9)%
0.0%	0.0%	0.0%
3.1%	(0.1)%	(4.9)%
100.0%	100.0%	100.0%

(1) Segmented credit information by geographic area is based upon the country of ultimate risk.
(2) Provision for credit losses on impaired loans excludes securities borrowed or purchased under resale agreements.
(3) 2016 and 2017 have not been restated to reflect the new IFRS standard adopted in 2018. The adoption of the new IFRS standard in 2018 has been applied prospectively.

WRITE-OFFS BY INDUSTRY

(\$ millions)	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
Consumer Write-Offs	1	164	159	162	155	165	163	161	169	155	640	658	654
Business and Government													
Commercial real estate	2	1	2	1	1	3	-	1	1	4	5	5	9
Construction (non-real estate)	3	3	2	-	1	1	1	10	4	11	6	16	18
Retail trade	4	-	1	2	7	15	1	2	1	4	10	19	17
Wholesale trade	5	2	9	1	4	6	1	7	2	5	16	16	10
Agriculture	6	13	14	3	1	10	9	9	3	28	31	31	36
Communications	7	-	-	-	-	-	-	-	-	-	-	-	9
Financing products	8	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturing	9	1	9	31	8	1	3	2	4	12	49	10	39
Mining	10	-	-	-	-	1	-	-	-	4	-	1	21
Oil and Gas	11	-	-	-	2	-	5	-	1	35	2	6	57
Transportation	12	14	15	17	17	22	33	22	24	25	63	101	55
Utilities	13	1	-	-	-	-	-	-	-	-	1	-	-
Forest Products	14	1	-	-	-	-	1	-	-	-	1	1	-
Service industries	15	62	3	19	6	4	12	45	14	28	90	75	52
Financial	16	1	-	-	-	-	3	2	-	4	1	5	7
Governments	17	-	-	-	-	-	-	-	-	-	-	-	-
Other	18	8	5	6	3	2	2	3	3	6	22	10	19
Total Business and Government	19	107	60	80	50	65	71	103	57	166	297	296	349
Total Write-Offs	20	271	219	242	205	230	234	264	226	321	937	954	1,003

WRITE-OFFS BY GEOGRAPHIC REGION (1)

(\$ millions)		2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
Canada	21	164	142	160	133	148	136	138	127	178	599	549	585
United States	22	107	77	82	71	81	98	126	99	143	337	404	418
Other Countries	23	-	-	-	1	1	-	-	-	-	1	1	-
Total	24	271	219	242	205	230	234	264	226	321	937	954	1,003

(1) Segmented credit information by geographic area is based upon the country of ultimate risk.

**GROSS LOANS AND ACCEPTANCES
BY PRODUCT AND INDUSTRY**

	LINE	2018	2018	2018	2018	2017	2017	2017	2017	2016	MIX
(\$ millions)	#	Q4	Q3	Q2	Q1	Q4	Q3	Q2	Q1	Q4	Q4
Consumer											
Residential mortgages	1	119,620	118,736	117,770	117,186	115,258	113,983	112,989	112,469	112,277	29.6 %
Credit cards	2	8,329	8,236	8,175	7,994	8,071	8,076	8,004	7,888	8,101	2.1 %
Consumer instalment and other personal	3	63,225	62,485	61,733	61,118	61,944	61,508	61,887	61,481	64,680	15.6 %
Total Consumer	4	191,174	189,457	187,678	186,298	185,273	183,567	182,880	181,838	185,058	47.3 %
Business and Government, excluding Securities Borrowed or Purchased under Resale Agreements											
Commercial real estate	5	31,036	29,612	28,508	26,780	26,494	25,163	25,063	24,215	24,139	7.7 %
Construction (non-real estate)	6	3,932	4,035	4,132	3,547	3,930	4,046	3,936	3,568	3,567	1.0 %
Retail trade	7	20,420	20,175	20,153	18,228	18,510	17,880	18,816	17,321	16,442	5.1 %
Automotive	8	12,732	13,039	12,952	11,479	11,439	11,437	12,163	11,121	10,879	3.1 %
Food and beverage	9	1,786	1,665	1,556	1,579	1,578	1,543	1,552	1,551	1,288	0.4 %
Other	10	5,902	5,471	5,645	5,170	5,493	4,900	5,101	4,649	4,295	1.6 %
Wholesale trade	11	14,837	13,287	12,719	11,851	11,629	11,348	12,017	11,204	12,188	3.7 %
Agriculture	12	1,255	1,085	1,166	942	899	797	1,067	1,070	916	0.3 %
Automotive	13	3,796	3,124	3,001	2,941	2,715	2,642	2,768	2,532	2,670	0.9 %
Food and beverage	14	2,497	2,264	2,256	2,180	2,159	2,043	2,230	2,212	2,581	0.6 %
Construction and industrial	15	3,216	3,061	2,798	2,517	2,359	2,429	2,473	2,240	2,831	0.8 %
Other	16	4,073	3,753	3,498	3,271	3,497	3,437	3,479	3,150	3,190	1.1 %
Agriculture	17	12,337	12,077	11,628	11,299	11,125	11,177	11,196	10,870	10,970	3.1 %
Communications	18	729	643	566	568	625	695	780	872	906	0.2 %
Other communications	19	529	435	399	372	443	532	557	515	575	0.1 %
Cable	20	65	71	27	54	33	11	63	200	181	0.0 %
Broadcasting	21	135	137	140	142	149	152	160	157	150	0.0 %
Financing products	22	4,439	4,563	4,949	4,251	5,060	5,621	6,635	6,211	6,093	1.1 %
Manufacturing	23	22,859	22,653	21,681	19,732	19,875	19,053	20,704	18,503	18,623	5.7 %
Industrial products	24	7,558	7,517	7,164	6,381	6,641	6,371	7,076	6,673	6,622	1.9 %
Consumer products	25	8,937	8,873	8,351	7,927	7,865	7,386	8,046	7,164	7,810	2.2 %
Automotive	26	1,633	1,631	1,588	1,280	1,254	1,294	1,297	1,099	975	0.4 %
Other manufacturing	27	4,731	4,632	4,578	4,144	4,115	4,002	4,285	3,567	3,616	1.2 %
Mining	28	1,916	1,547	1,453	1,234	1,344	1,441	1,540	1,361	1,868	0.5 %
Oil and Gas	29	9,185	8,179	8,061	7,592	8,209	7,505	7,046	6,960	7,975	2.3 %
Transportation	30	11,004	10,780	10,593	9,963	10,509	10,137	10,788	10,196	10,704	2.7 %
Utilities	31	3,911	3,097	2,660	2,670	2,778	2,675	2,785	2,539	2,700	1.0 %
Electric power generation	32	2,454	1,979	1,865	1,912	2,053	1,919	2,010	1,880	2,117	0.6 %
Gas, water and other	33	1,457	1,118	795	758	725	756	775	659	583	0.4 %
Forest products	34	841	759	852	845	836	792	809	830	890	0.2 %
Service industries	35	38,394	36,636	36,015	34,147	33,756	33,993	34,622	32,529	32,709	9.5 %
Automotive lease and rental	36	2,245	2,394	2,350	2,277	2,459	2,531	2,492	2,286	2,539	0.6 %
Educational	37	2,084	2,110	2,122	2,066	2,137	2,122	2,099	1,848	2,035	0.5 %
Health care	38	10,486	9,916	9,701	9,197	8,625	9,677	8,868	8,677	8,316	2.6 %
Business and professional services	39	8,778	8,390	8,224	7,578	7,599	7,232	8,213	7,483	7,558	2.2 %
Hospitality and recreation	40	8,612	7,908	7,591	7,286	6,940	6,689	6,538	6,232	5,983	2.1 %
Other	41	6,189	5,918	6,027	5,743	5,996	5,742	6,412	6,003	6,278	1.5 %
Financial	42	32,464	32,458	29,713	30,791	32,267	32,840	33,315	31,580	32,086	8.0 %
Non-bank financial services	43	26,144	26,432	22,742	22,004	23,328	24,533	24,667	23,033	24,838	6.5 %
Bank	44	6,320	6,026	6,971	8,787	8,939	8,307	8,648	8,547	7,248	1.6 %
Governments	45	1,436	1,364	1,418	1,456	1,470	1,394	1,484	1,311	1,326	0.4 %
Other	46	3,301	3,973	4,154	3,739	3,196	4,115	4,764	4,993	4,220	0.8 %
Total Business and Government	47	213,041	205,838	199,255	188,693	191,613	189,875	196,300	185,063	187,406	52.7 %
Total Gross Loans and Acceptances	48	404,215	395,295	386,933	374,991	376,886	373,442	379,180	366,901	372,464	100.0 %

**ALLOWANCE FOR CREDIT LOSSES
BY PRODUCT AND INDUSTRY**

(\$ millions)	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	MIX Q4
Allowance for Credit Losses on Impaired Loans											
Consumer											
Residential mortgages	1	19	20	21	22	24	29	30	31	33	1.0 %
Credit cards	2	-	-	-	-	-	-	-	-	-	0.0 %
Consumer instalment and other personal	3	143	144	146	129	136	129	135	117	123	7.7 %
Total Consumer	4	162	164	167	151	160	158	165	148	156	8.7 %
Business and Government, excluding											
Securities Borrowed or Purchased under Resale Agreements											
Commercial real estate	5	8	13	13	13	15	10	9	13	13	0.4 %
Construction (non-real estate)	6	16	16	17	14	14	17	5	3	4	0.9 %
Retail trade	7	17	10	8	8	14	18	7	11	12	0.9 %
Wholesale trade	8	23	23	25	16	17	29	33	30	31	1.2 %
Agriculture	9	16	24	32	15	11	22	27	19	19	0.9 %
Communications	10	-	-	-	-	-	-	-	-	1	0.0 %
Financing products	11	-	-	-	-	-	-	-	-	-	0.0 %
Manufacturing	12	20	18	20	38	51	42	42	42	36	1.1 %
Industrial products	13	1	4	7	25	24	14	13	14	5	0.1 %
Consumer products	14	8	7	4	2	7	8	8	8	9	0.4 %
Automotive	15	1	-	-	-	-	-	-	-	-	0.1 %
Other manufacturing	16	10	7	9	11	20	20	21	20	22	0.5 %
Mining	17	-	-	-	-	-	1	1	1	1	0.0 %
Oil and Gas	18	17	23	19	41	42	39	46	30	45	0.9 %
Transportation	19	31	33	18	14	13	12	18	8	9	1.7 %
Utilities	20	-	-	2	2	2	3	3	3	3	0.0 %
Forest products	21	1	-	-	-	1	1	-	1	1	0.1 %
Service industries	22	46	83	62	74	51	49	58	50	50	2.5 %
Automotive lease and rental	23	-	-	-	-	-	-	-	-	-	0.0 %
Educational	24	1	11	5	5	6	5	6	13	6	0.1 %
Health care	25	12	5	5	8	2	4	2	1	1	0.6 %
Business and professional services	26	10	30	28	26	18	9	7	2	3	0.5 %
Hospitality and recreation	27	16	28	16	16	17	9	12	3	3	0.9 %
Other	28	7	9	8	19	8	22	31	31	37	0.4 %
Financial	29	1	1	1	2	2	2	7	7	10	0.1 %
Non-bank financial services	30	1	1	1	2	2	2	7	7	10	0.1 %
Bank	31	-	-	-	-	-	-	-	-	-	0.0 %
Governments	32	-	-	-	-	-	-	-	-	-	0.0 %
Other	33	12	1	14	-	-	14	-	20	14	0.4 %
Total Business and Government	34	208	245	231	237	233	259	256	238	249	11.1 %
Total Allowance for Credit Losses on Impaired Loans	35	370	409	398	388	393	417	421	386	405	19.8 %
Allowance for credit losses on performing loans - Consumer (1)	36	682	710	715	708						36.5 %
Allowance for credit losses on performing loans - Business and Government (1)	37	587	541	534	528						31.4 %
Total Allowance for Credit Losses on Performing Loans (1)	38	1,269	1,251	1,249	1,236						67.9 %
Collective allowance	39					1,440	1,405	1,516	1,482	1,520	
Total Allowance for Credit Losses on Loans	40	1,639	1,660	1,647	1,624	1,833	1,822	1,937	1,868	1,925	87.6 %
Allowance for Credit Losses related to off-balance sheet instruments (2)	41	231	239	225	224	163	171	208	205	189	12.4 %
Total Allowance for Credit Losses	42	1,870	1,899	1,872	1,848	1,996	1,993	2,145	2,073	2,114	100.0 %

(1) 2016 and 2017 have not been restated to reflect the new IFRS standard adopted in 2018. The adoption of the new IFRS standard in 2018 has been applied prospectively.

(2) Reported in Other Liabilities.

**NET LOANS AND ACCEPTANCES
BY PRODUCT AND INDUSTRY (1)**

	LINE	2018	2018	2018	2018	2017	2017	2017	2017	2016	MIX
(\$ millions)	#	Q4	Q3	Q2	Q1	Q4	Q3	Q2	Q1	Q4	Q4
Consumer											
Residential mortgages	1	119,601	118,716	117,749	117,164	115,234	113,954	112,959	112,438	112,244	29.7 %
Credit cards	2	8,329	8,236	8,175	7,994	8,071	8,076	8,004	7,888	8,101	2.1 %
Consumer instalment and other personal	3	63,082	62,341	61,587	60,989	61,808	61,379	61,752	61,364	64,557	15.6 %
Total Consumer	4	191,012	189,293	187,511	186,147	185,113	183,409	182,715	181,690	184,902	47.4 %
Business and Government, excluding											
Securities Borrowed or Purchased under Resale Agreements											
Commercial real estate	5	31,028	29,599	28,495	26,767	26,479	25,153	25,054	24,202	24,126	7.7 %
Construction (non-real estate)	6	3,916	4,019	4,115	3,533	3,916	4,029	3,931	3,565	3,563	1.0 %
Retail trade	7	20,403	20,165	20,145	18,220	18,496	17,862	18,809	17,310	16,430	5.1 %
Wholesale trade	8	14,814	13,264	12,694	11,835	11,612	11,319	11,984	11,174	12,157	3.7 %
Agriculture	9	12,321	12,053	11,596	11,284	11,114	11,155	11,169	10,851	10,951	3.1 %
Communications	10	729	643	566	568	625	695	780	872	905	0.2 %
Financing products	11	4,439	4,563	4,949	4,251	5,060	5,621	6,635	6,211	6,093	1.1 %
Manufacturing	12	22,839	22,635	21,661	19,694	19,824	19,011	20,662	18,461	18,587	5.7 %
Industrial products	13	7,557	7,513	7,157	6,356	6,617	6,357	7,063	6,659	6,217	1.9 %
Consumer products	14	8,929	8,866	8,347	7,925	7,858	7,378	8,038	7,156	7,801	2.2 %
Automotive	15	1,632	1,631	1,588	1,280	1,254	1,294	1,297	1,099	975	0.4 %
Other manufacturing	16	4,721	4,625	4,569	4,133	4,095	3,982	4,264	3,547	3,594	1.2 %
Mining	17	1,916	1,547	1,453	1,234	1,344	1,440	1,539	1,360	1,867	0.5 %
Oil and Gas	18	9,168	8,156	8,042	7,551	8,167	7,466	7,000	6,930	7,930	2.3 %
Transportation	19	10,973	10,747	10,575	9,949	10,496	10,125	10,770	10,188	10,695	2.7 %
Utilities	20	3,911	3,097	2,658	2,668	2,776	2,672	2,782	2,536	2,697	1.0 %
Forest products	21	840	759	852	845	835	791	809	829	889	0.2 %
Service industries	22	38,348	36,553	35,953	34,073	33,705	33,944	34,564	32,479	32,659	9.5 %
Automotive lease and rental	23	2,245	2,394	2,350	2,277	2,459	2,531	2,492	2,286	2,539	0.6 %
Educational	24	2,083	2,099	2,117	2,061	2,131	2,117	2,093	1,835	2,029	0.5 %
Health care	25	10,474	9,911	9,696	9,189	8,623	9,673	8,866	8,676	8,315	2.6 %
Business and professional services	26	8,768	8,360	8,196	7,552	7,581	7,223	8,206	7,481	7,555	2.2 %
Hospitality and recreation	27	8,596	7,880	7,575	7,270	6,923	6,680	6,526	6,229	5,980	2.1 %
Other	28	6,182	5,909	6,019	5,724	5,988	5,720	6,381	5,972	6,241	1.5 %
Financial	29	32,463	32,457	29,712	30,789	32,265	32,838	33,308	31,573	32,076	8.1 %
Non-bank financial services	30	26,143	26,431	22,741	22,002	23,326	24,531	24,660	23,026	24,828	6.5 %
Bank	31	6,320	6,026	6,971	8,787	8,939	8,307	8,648	8,547	7,248	1.6 %
Governments	32	1,436	1,364	1,418	1,456	1,470	1,394	1,484	1,311	1,326	0.4 %
Other	33	3,289	3,972	4,140	3,739	3,196	4,101	4,764	4,973	4,206	0.6 %
Total Business and Government	34	212,833	205,593	199,024	188,456	191,380	189,616	196,044	184,825	187,157	52.9 %
Loans and Acceptances, Net of Allowance for Credit Losses on Impaired Loans	35	403,845	394,886	386,535	374,603	376,493	373,025	378,759	366,515	372,059	100.3 %
Allowance for credit losses on performing loans - Consumer (2)	36	(682)	(710)	(715)	(708)						(0.2)%
Allowance for credit losses on performing loans - Business and Government (2)	37	(587)	(541)	(534)	(528)						(0.1)%
Total Allowance for Credit Losses on Performing Loans (2)	38	(1,269)	(1,251)	(1,249)	(1,236)						(0.3)%
Collective allowance	39					(1,440)	(1,405)	(1,516)	(1,482)	(1,520)	
Total Net Loans and Acceptances	40	402,576	393,635	385,286	373,367	375,053	371,620	377,243	365,033	370,539	100.0 %

(1) Net Loans and Acceptances balances are net of allowance for credit losses, excluding those related to off-balance sheet instruments.

(2) 2016 and 2017 have not been restated to reflect the new IFRS standard adopted in 2018. The adoption of the new IFRS standard in 2018 has been applied prospectively.

**GROSS IMPAIRED LOANS
AND ACCEPTANCES
BY PRODUCT AND INDUSTRY (1)**

(\$ millions)

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	GIL to Gross Loans
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Consumer											
Residential mortgages	1	375	380	384	397	391	392	419	416	403	0.3 %
Consumer instalment and other personal	2	521	534	564	558	556	549	600	581	589	0.7 %
Total Consumer	3	896	914	948	955	947	941	1,019	997	992	0.5 %
Business and Government, excluding											
Securities Borrowed or Purchased under Resale Agreements											
Commercial real estate	4	53	44	50	101	60	55	52	56	73	0.2 %
Construction (non-real estate)	5	34	42	46	38	53	38	38	41	49	0.9 %
Retail trade	6	67	51	35	49	50	48	25	23	25	0.3 %
Wholesale trade	7	65	74	73	96	114	95	119	68	82	0.5 %
Agriculture	8	209	212	256	209	249	268	303	257	240	1.7 %
Communications	9	-	-	-	-	-	-	-	-	2	0.0 %
Financing products	10	-	-	-	-	-	-	-	-	-	0.0 %
Manufacturing	11	97	90	67	113	121	138	158	164	142	0.4 %
Industrial products	12	14	14	22	57	55	52	52	49	31	0.2 %
Consumer products	13	29	23	6	6	12	11	15	23	26	0.3 %
Automotive	14	6	-	-	-	-	-	-	-	-	0.4 %
Other manufacturing	15	48	53	39	50	54	75	91	92	85	1.0 %
Mining	16	1	1	1	2	1	2	2	2	3	0.1 %
Oil and Gas	17	74	115	174	113	187	199	281	327	453	0.8 %
Transportation	18	121	151	156	152	169	150	182	110	97	1.1 %
Utilities	19	2	1	4	5	6	6	5	5	15	0.1 %
Forest products	20	1	3	3	3	3	6	6	8	8	0.1 %
Service industries	21	237	291	263	280	232	184	213	149	132	0.6 %
Automotive lease and rental	22	-	-	-	-	-	-	-	-	-	0.0 %
Educational	23	12	22	18	17	20	20	17	25	25	0.6 %
Health care	24	66	53	66	91	46	32	35	34	16	0.6 %
Business and professional services	25	90	115	113	109	103	72	86	41	31	1.0 %
Hospitality and recreation	26	49	83	45	43	41	37	40	12	15	0.6 %
Other	27	20	18	21	20	22	23	35	37	45	0.3 %
Financial	28	67	78	54	16	4	4	8	13	49	0.2 %
Non-bank financial services	29	67	78	54	16	4	4	8	13	15	0.3 %
Bank	30	-	-	-	-	-	-	-	-	34	0.0 %
Governments	31	-	-	-	-	3	3	5	5	6	0.0 %
Other	32	12	9	22	17	21	17	23	22	15	0.4 %
Total Business and Government	33	1,040	1,162	1,204	1,194	1,273	1,213	1,420	1,250	1,391	0.5 %
Total Gross Impaired Loans and Acceptances	34	1,936	2,076	2,152	2,149	2,220	2,154	2,439	2,247	2,383	0.5 %

(1) Gross Impaired Loans excludes Purchased Credit Impaired Loans.

**NET IMPAIRED LOANS
AND ACCEPTANCES
BY PRODUCT AND INDUSTRY (1) (2)**

(\$ millions)

	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	NIL to Net Loans
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Consumer											
Residential mortgages	1	356	360	363	375	367	363	389	385	370	0.3 %
Consumer instalment and other personal	2	378	390	418	429	420	420	465	464	466	0.5 %
Total Consumer	3	734	750	781	804	787	783	854	849	836	0.4 %
Business and Government, excluding											
Securities Borrowed or Purchased under Resale Agreements											
Commercial real estate	4	45	31	37	88	45	45	43	43	60	0.1 %
Construction (non-real estate)	5	18	26	29	24	39	21	33	38	45	0.5 %
Retail trade	6	50	41	27	41	36	30	18	12	13	0.2 %
Wholesale trade	7	42	51	48	80	97	66	86	38	51	0.3 %
Agriculture	8	193	188	224	194	238	246	276	238	221	1.6 %
Communications	9	-	-	-	-	-	-	-	-	1	0.0 %
Financing products	10	-	-	-	-	-	-	-	-	-	0.0 %
Manufacturing	11	77	72	47	75	70	96	116	122	106	0.3 %
Industrial products	12	13	10	15	32	31	38	39	35	26	0.2 %
Consumer products	13	21	16	2	4	5	3	7	15	17	0.2 %
Automotive	14	5	-	-	-	-	-	-	-	-	0.3 %
Other manufacturing	15	38	46	30	39	34	55	70	72	63	0.8 %
Mining	16	1	1	1	2	1	1	1	1	2	0.1 %
Oil and Gas	17	57	92	155	72	145	160	235	297	408	0.6 %
Transportation	18	90	118	138	138	156	138	164	102	88	0.8 %
Utilities	19	2	1	2	3	4	3	2	2	12	0.1 %
Forest products	20	-	3	3	3	2	5	6	7	7	0.0 %
Service industries	21	191	208	201	206	181	135	155	99	82	0.5 %
Automotive lease and rental	22	-	-	-	-	-	-	-	-	-	0.0 %
Educational	23	11	11	13	12	14	15	11	12	19	0.5 %
Health care	24	54	48	61	83	44	28	33	33	15	0.5 %
Business and professional services	25	80	85	85	83	85	63	79	39	28	0.9 %
Hospitality and recreation	26	33	55	29	27	24	28	28	9	12	0.4 %
Other	27	13	9	13	1	14	1	4	6	8	0.2 %
Financial	28	66	77	53	14	2	2	1	6	39	0.2 %
Non-bank financial services	29	66	77	53	14	2	2	1	6	5	0.3 %
Bank	30	-	-	-	-	-	-	-	-	34	0.0 %
Governments	31	-	-	-	-	3	3	5	5	6	0.0 %
Other	32	-	8	8	17	21	3	23	2	1	0.0 %
Total Business and Government	33	832	917	973	957	1,040	954	1,164	1,012	1,142	0.4 %
Total Net Impaired Loans and Acceptances	34	1,566	1,667	1,754	1,761	1,827	1,737	2,018	1,861	1,978	0.4 %

(1) Net Impaired Loans exclude Purchased Credit Impaired Loans.

(2) Net Impaired Loan balances are net of allowance for credit losses on impaired loans, excluding those related to off-balance sheet instruments.

**LOANS AND ACCEPTANCES
BY GEOGRAPHIC AREA (1)**

(\$ millions)	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	MIX Q4
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Gross Loans and Acceptances

Canada	1	263,098	257,952	255,321	250,381	250,092	247,478	244,301	241,262	240,524	65.1 %
United States	2	131,571	128,059	121,301	112,787	115,146	115,045	122,618	113,752	121,687	32.5 %
Other Countries	3	9,546	9,284	10,311	11,823	11,648	10,919	12,261	11,887	10,253	2.4 %
Total Gross Loans and Acceptances	4	404,215	395,295	386,933	374,991	376,886	373,442	379,180	366,901	372,464	100.0 %

ACL on Impaired Loans (2)

Canada	5	(189)	(205)	(197)	(200)	(212)	(222)	(197)	(168)	(173)	51.1 %
United States	6	(181)	(197)	(195)	(169)	(161)	(176)	(203)	(217)	(231)	48.9 %
Other Countries	7	-	(7)	(6)	(19)	(20)	(19)	(21)	(1)	(1)	0.0 %
Total ACL on Impaired Loans	8	(370)	(409)	(398)	(388)	(393)	(417)	(421)	(386)	(405)	100.0 %

Net Loans and Acceptances

Canada	9	262,909	257,747	255,124	250,181	249,880	247,256	244,104	241,094	240,351	65.3 %
United States	10	131,390	127,862	121,106	112,618	114,985	114,869	122,415	113,535	121,456	32.6 %
Other Countries	11	9,546	9,277	10,305	11,804	11,628	10,900	12,240	11,886	10,252	2.4 %
Total Loans and Acceptances, net of ACL on impaired loans	12	403,845	394,886	386,535	374,603	376,493	373,025	378,759	366,515	372,059	100.3 %
ACL on Performing Loans (2) (3)											
Canada	13	(689)	(697)	(680)	(683)						(0.2)%
United States	14	(574)	(550)	(563)	(548)						(0.1)%
Other Countries	15	(6)	(4)	(6)	(5)						(0.0)%
Collective ACL (2)											
Canada	16					(799)	(806)	(846)	(847)	(833)	
United States	17					(641)	(599)	(670)	(635)	(687)	
Total Net Loans and Acceptances	18	402,576	393,635	385,286	373,367	375,053	371,620	377,243	365,033	370,539	100.0 %

Gross Impaired Loans and Acceptances (4)

Canada	19	735	767	746	837	793	758	747	724	787	38.0 %
United States	20	1,201	1,266	1,365	1,269	1,377	1,348	1,637	1,521	1,594	62.0 %
Other Countries	21	-	43	41	43	50	48	55	2	2	0.0 %
Total Gross Impaired Loans and Acceptances	22	1,936	2,076	2,152	2,149	2,220	2,154	2,439	2,247	2,383	100.0 %

Net Impaired Loans and Acceptances (4)

Canada	23	546	562	549	637	581	536	550	556	614	34.9 %
United States	24	1,020	1,069	1,170	1,100	1,216	1,172	1,434	1,304	1,363	65.1 %
Other Countries	25	-	36	35	24	30	29	34	1	1	0.0 %
Total Impaired Loans and Acceptances, net of ACL on impaired loans (2)	26	1,566	1,667	1,754	1,761	1,827	1,737	2,018	1,861	1,978	100.0 %

(1) Segmented credit information by geographic area is based upon the country of ultimate risk.

(2) Excludes allowances related to off-balance sheet instruments.

(3) 2016 and 2017 have not been restated to reflect the new IFRS standard adopted in 2018. The adoption of the new IFRS standard in 2018 has been applied prospectively.

(4) Gross Impaired Loans and Net Impaired Loans exclude Purchased Credit Impaired Loans.

**CHANGES IN IMPAIRMENT ALLOWANCE
FOR CREDIT LOSSES (ACL)**

(\$ millions)	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
Impairment Allowances (Total ACL), beginning of period	1	1,899	1,872	1,848	1,918	1,993	2,145	2,073	2,114	2,182	1,918	2,114	2,052
Amounts written off	2	(271)	(219)	(242)	(205)	(230)	(234)	(264)	(226)	(321)	(937)	(954)	(1,003)
Recoveries of amounts written off in previous periods	3	68	69	74	50	71	61	64	69	80	261	265	343
Charge to income statement (PCL) (1)	4	175	185	156	141	202	126	251	167	167	657	746	771
Foreign exchange and other movements	5	(1)	(8)	36	(56)	(40)	(105)	21	(51)	6	(29)	(175)	(49)
Total ACL, at end of period	6	1,870	1,899	1,872	1,848	1,996	1,993	2,145	2,073	2,114	1,870	1,996	2,114
Total ACL comprised of: Loans	7	1,639	1,660	1,647	1,624	1,833	1,822	1,937	1,868	1,925	1,639	1,833	1,925
ACL on impaired loans for other credit instruments	8	27	28	28	27	27	25	28	28	27	27	27	27
ACL on performing loans for other credit instruments and undrawn commitments (2)	9	204	211	197	197						204		
Collective ACL for other credit instruments and undrawn commitments	10					136	146	180	177	162		136	162

Allocation of Recoveries of Amounts Written Off in Previous Periods by Market

Consumer	11	54	55	51	42	65	45	54	51	56	202	215	189
Business and Government	12	14	14	23	8	6	16	10	18	24	59	50	154

Allocation of Amounts Written Off by Market

Consumer	13	164	159	162	155	165	163	161	169	155	640	658	654
Business and Government	14	107	60	80	50	65	71	103	57	166	297	296	349

**CHANGES IN IMPAIRED LOANS
AND ACCEPTANCES (3)**

(\$ millions)		2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	Fiscal 2018	Fiscal 2017	Fiscal 2016
Total Impaired Loans and Acceptances													
GIL, beginning of period	15	2,076	2,152	2,149	2,220	2,154	2,439	2,247	2,383	2,358	2,220	2,383	2,004
Retail formations (4)	16	278	256	280	296	264	240	266	287	269	1,110	1,057	1,104
Retail reductions (5)	17	(209)	(210)	(206)	(215)	(177)	(240)	(170)	(193)	(167)	(840)	(780)	(728)
Business and government formations	18	165	266	298	239	263	165	486	222	286	968	1,136	1,408
Business and government reductions (5)	19	(180)	(248)	(208)	(268)	(138)	(301)	(213)	(306)	(114)	(904)	(958)	(711)
Net new additions (reductions) (4)	20	54	64	164	52	212	(136)	369	10	274	334	455	1,073
Retail write-offs (4)	21	(87)	(80)	(81)	(73)	(81)	(78)	(74)	(89)	(83)	(321)	(322)	(345)
Business and government write-offs	22	(107)	(60)	(80)	(50)	(65)	(71)	(103)	(57)	(166)	(297)	(296)	(349)
Write-offs (4)	23	(194)	(140)	(161)	(123)	(146)	(149)	(177)	(146)	(249)	(618)	(618)	(694)
GIL, end of period	24	1,936	2,076	2,152	2,149	2,220	2,154	2,439	2,247	2,383	1,936	2,220	2,383
ACL on Impaired Loans, beginning of period	25	409	398	388	393	417	421	386	405	490	393	405	357
Increase / (Decrease)	26	232	230	252	200	206	230	299	207	236	914	942	1,051
Amounts Written Off	27	(271)	(219)	(242)	(205)	(230)	(234)	(264)	(226)	(321)	(937)	(954)	(1,003)
ACL on Impaired Loans, end of period (6)	28	370	409	398	388	393	417	421	386	405	370	393	405
NIL, beginning of period	29	1,667	1,754	1,761	1,827	1,737	2,018	1,861	1,978	1,868	1,827	1,978	1,647
Change in gross impaired loans	30	(140)	(76)	3	(71)	66	(285)	192	(136)	25	(284)	(163)	379
Change in ACL on impaired loans (6)	31	39	(11)	(10)	5	24	4	(35)	19	85	23	12	(48)
NIL, end of period	32	1,566	1,667	1,754	1,761	1,827	1,737	2,018	1,861	1,978	1,566	1,827	1,978

(1) Excludes provision for credit losses on other assets.

(2) 2016 and 2017 have not been restated to reflect the new IFRS standard adopted in 2018. The adoption of the new IFRS standard in 2018 has been applied prospectively.

(3) Gross Impaired Loans and Net Impaired Loans exclude Purchased Credit Impaired Loans.

(4) Excludes certain loans that are written off directly and not classified as new formations (Q4'18 \$77 million, Q3'18 \$79 million, Q2'18 \$81 million, Q1'18 \$82 million, Q4'17 \$84 million, Q3'17 \$85 million, Q2'17 \$87 million, Q1'17 \$80 million, and Q4'16 \$72 million).

(5) Includes impaired amounts returned to performing status, loan sales, repayments, the impact of foreign exchange fluctuations and offsets for consumer write-offs which have not been recognized in formations.

(6) Excludes ACL related to off-balance sheet instruments.

**CHANGES IN IMPAIRMENT ALLOWANCE
FOR CREDIT LOSSES (ACL) BY PRODUCT TYPE**

(\$ millions)	LINE #	2018			Total Q4	2017			Total Fiscal 2018
		Stage 1	Stage 2	Stage 3		Stage 1	Stage 2	Stage 3	
Loans: Residential mortgages									
Total ACL, beginning of period	1	21	37	45	103	16	34	49	99
Transfer to Stage 1	2	9	(8)	(1)	-	34	(31)	(3)	-
Transfer to Stage 2	3	-	1	(1)	-	(1)	7	(6)	-
Transfer to Stage 3	4	-	(2)	2	-	-	(9)	9	-
Net remeasurement of loss allowance	5	(11)	11	5	5	(37)	42	19	24
Loan originations	6	2	-	-	2	10	-	-	10
Derecognitions and maturities	7	-	(2)	-	(2)	(2)	(6)	-	(8)
Total PCL (1)	8	-	-	5	5	4	3	19	26
Write-offs	9	-	-	(5)	(5)	-	-	(20)	(20)
Recoveries of previous write-offs	10	-	-	2	2	-	-	7	7
Foreign exchange and other	11	(1)	1	(3)	(3)	-	1	(11)	(10)
Total ACL, at end of period	12	20	38	44	102	20	38	44	102
Loans: Consumer instalment and other personal									
Total ACL, beginning of period	13	90	348	146	584	76	357	137	570
Transfer to Stage 1	14	43	(40)	(3)	-	214	(200)	(14)	-
Transfer to Stage 2	15	(5)	23	(18)	-	(22)	105	(83)	-
Transfer to Stage 3	16	(1)	(30)	31	-	(4)	(162)	166	-
Net remeasurement of loss allowance	17	(45)	37	49	41	(196)	272	162	238
Loan originations	18	11	-	-	11	39	-	-	39
Derecognitions and maturities	19	(4)	(14)	-	(18)	(18)	(50)	-	(68)
Total PCL (1)	20	(1)	(24)	59	34	13	(35)	231	209
Write-offs	21	-	-	(82)	(82)	-	-	(301)	(301)
Recoveries of previous write-offs	22	-	-	25	25	-	-	92	92
Foreign exchange and other	23	1	2	(4)	(1)	1	4	(15)	(10)
Total ACL, at end of period	24	90	326	144	560	90	326	144	560
Loans: Credit cards									
Total ACL, beginning of period	25	73	233	-	306	83	254	-	337
Transfer to Stage 1	26	28	(28)	-	-	177	(177)	-	-
Transfer to Stage 2	27	(5)	5	-	-	(37)	37	-	-
Transfer to Stage 3	28	-	(43)	43	-	(1)	(195)	196	-
Net remeasurement of loss allowance	29	(25)	60	7	42	(164)	342	20	198
Loan originations	30	4	-	-	4	19	-	-	19
Derecognitions and maturities	31	(1)	(7)	-	(8)	(3)	(42)	-	(45)
Total PCL (1)	32	1	(13)	50	38	(9)	(35)	216	172
Write-offs	33	-	-	(77)	(77)	-	-	(319)	(319)
Recoveries of previous write-offs	34	-	-	27	27	-	-	103	103
Foreign exchange and other	35	-	(1)	-	(1)	-	-	-	-
Total ACL, at end of period	36	74	219	-	293	74	219	-	293
Loans: Business and government									
Total ACL, beginning of period	37	292	368	246	906	268	410	234	912
Transfer to Stage 1	38	41	(38)	(3)	-	136	(128)	(8)	-
Transfer to Stage 2	39	(10)	31	(21)	-	(31)	66	(35)	-
Transfer to Stage 3	40	-	(11)	11	-	(1)	(61)	62	-
Net remeasurement of loss allowance	41	(56)	68	76	88	(155)	203	215	263
Loan originations	42	46	-	-	46	163	-	-	163
Derecognitions and maturities	43	(21)	(15)	-	(36)	(80)	(86)	-	(166)
Model changes	44	-	-	-	-	(7)	(3)	-	(10)
Total PCL (1)	45	-	35	63	98	25	(9)	234	250
Write-offs	46	-	-	(107)	(107)	-	-	(297)	(297)
Recoveries of previous write-offs	47	-	-	14	14	-	-	59	59
Foreign exchange and other	48	6	5	(7)	4	5	7	(21)	(9)
Total ACL, at end of period	49	298	408	209	915	298	408	209	915
Total ACL at end of period	50	482	991	397	1,870	482	991	397	1,870
Comprised of: Loans	51	374	895	370	1,639	374	895	370	1,639
Other credit instruments (2)	52	108	96	27	231	108	96	27	231
Total PCL for period (1)	53	-	(2)	177	175	33	(76)	700	657

(1) Excludes provision for credit losses on other assets of \$0MM and \$5MM, respectively, for the three and twelve months ended October 31, 2018.

(2) Recorded in other liabilities on the balance sheet.

LOANS PAST DUE NOT IMPAIRED

LINE #	1 to 29 days			30 to 89 days			90 days or more			Total		
	Oct 31, 2018	Jul 31, 2018	Oct 31, 2017	Oct 31, 2018	Jul 31, 2018	Oct 31, 2017	Oct 31, 2018	Jul 31, 2018	Oct 31, 2017	Oct 31, 2018	Jul 31, 2018	Oct 31, 2017
(\$ millions except as noted)												
Residential mortgages	660	757	649	513	502	438	21	17	19	1,194	1,276	1,106
Credit card, consumer loans	1,431	1,516	1,480	415	455	466	88	90	94	1,934	2,061	2,040
Business and government loans	611	573	589	268	294	297	55	78	72	934	945	958
Total	2,702	2,846	2,718	1,196	1,251	1,201	164	185	185	4,062	4,282	4,104

RESIDENTIAL MORTGAGES

Region (1)	As at October 31, 2018					As at October 31, 2017				
	Outstandings				New originations during the quarter	Outstandings				New originations during the quarter
	Insured (2)	Uninsured	Total	% of Total		Insured (2)	Uninsured	Total	% of Total	
(\$ millions except as noted)										
					Avg LTV (3) Uninsured					Avg LTV (3) Uninsured
Atlantic	3,260	2,091	5,351	4.5%	73%	3,467	1,901	5,368	4.7%	73%
Quebec	8,172	7,238	15,410	12.9%	70%	8,781	6,307	15,088	13.1%	71%
Ontario	18,978	28,160	47,138	39.4%	67%	21,473	24,802	46,275	40.1%	67%
Alberta	10,460	5,495	15,955	13.3%	72%	11,003	5,131	16,134	14.0%	72%
British Columbia	6,030	14,277	20,307	17.0%	62%	6,886	13,077	19,963	17.3%	65%
All Other Canada	2,254	1,550	3,804	3.2%	71%	2,371	1,460	3,831	3.3%	73%
Total Canada	49,154	58,811	107,965	90.3%	67%	53,981	52,678	106,659	92.5%	68%
U.S.	16	11,639	11,655	9.7%	75%	22	8,577	8,599	7.5%	71%
Total	49,170	70,450	119,620	100.0%	68%	54,003	61,255	115,258	100.0%	68%

HOME EQUITY LINES OF CREDIT (HELOC)

Region (1)	As at October 31, 2018					As at October 31, 2017				
	Portfolio				New originations during the quarter	Portfolio				New originations during the quarter
	Outstandings	Authorizations	% of Outstandings	% of Authorizations		Outstandings	Authorizations	% of Outstandings	% of Authorizations	
(\$ millions except as noted)										
					Average LTV (3)					Average LTV (3)
Atlantic	863	1,494	2.4%	2.1%	65%	900	1,507	2.5%	2.2%	65%
Quebec	5,826	10,996	16.2%	15.5%	70%	5,678	10,398	16.0%	15.2%	69%
Ontario	14,437	27,771	40.3%	39.2%	59%	13,693	26,209	38.7%	38.3%	58%
Alberta	3,318	6,520	9.2%	9.2%	62%	3,337	6,455	9.4%	9.4%	61%
British Columbia	6,482	12,294	18.1%	17.3%	54%	6,186	11,450	17.4%	16.7%	54%
All Other Canada	767	1,362	2.1%	1.9%	63%	797	1,369	2.2%	2.0%	65%
Total Canada (4)	31,693	60,437	88.3%	85.2%	60%	30,591	57,388	86.2%	83.8%	59%
U.S.	4,205	10,462	11.7%	14.8%	65%	4,911	11,055	13.8%	16.2%	67%
Total	35,898	70,899	100.0%	100.0%	61%	35,502	68,443	100.0%	100.0%	60%

RESIDENTIAL MORTGAGES BY REMAINING TERM OF AMORTIZATION (5)

	As at October 31, 2018								As at October 31, 2017							
	Amortization period								Amortization period							
	< 5 Years %	6-10 Years %	11-15 Years %	16-20 Years %	21-25 Years %	26-30 Years %	> 30 Years %	> 30 Years %	< 5 Years %	6-10 Years %	11-15 Years %	16-20 Years %	21-25 Years %	26-30 Years %	> 30 Years %	
(Based upon Outstandings CDE)																
Canada	1.1%	3.9%	7.1%	16.4%	39.2%	24.4%	7.9%	1.1%	4.2%	7.5%	15.2%	41.1%	27.0%	3.9%		
U.S. (6)	1.2%	4.7%	14.5%	13.7%	12.1%	53.5%	0.3%	1.4%	4.9%	13.1%	15.4%	16.1%	48.7%	0.4%		
Total	1.1%	4.0%	7.8%	16.1%	36.7%	27.1%	7.2%	1.2%	4.2%	7.9%	15.2%	39.3%	28.5%	3.7%		

(1) Region is based upon address of the property mortgaged.

(2) Portfolio insured mortgages are defined as mortgages that are individually or bulk insured through a credited insurer (i.e. CMHC, Genworth).

(3) Loan to Value (LTV) is based on the value of the property at mortgage origination and outstanding amount for mortgages, authorized amounts for HELOC's.

(4) HELOC includes 45% revolving (October 31, 2017 47%) and 55% amortizing (October 31, 2017 53%) loans.

(5) Remaining amortization is based upon current balance, interest rate, customer payment amount, and frequency in Canada and contractual payment schedule in the US.

(6) Large proportion of U.S. based mortgages in the longer amortization band largely driven by modification programs for troubled borrowers and regulator initiated mortgage refinance program.

DERIVATIVE INSTRUMENTS	LINE #	As at October 31, 2018				As at July 31, 2018				As at April 30, 2018				As at January 31, 2018			
		Notional Amount	Replacement Cost	Credit risk Equivalent	AIRB Risk-weighted Assets (1)	Notional Amount	Replacement Cost	Credit risk Equivalent	AIRB Risk-weighted Assets (1)	Notional Amount	Replacement Cost	Credit risk Equivalent	AIRB Risk-weighted Assets (1)	Notional Amount	Replacement Cost	Credit risk Equivalent	AIRB Risk-weighted Assets (1)
Interest Rate Contracts																	
Over-the-counter																	
Swaps	1	3,831,997	8,514	10,699		3,555,230	8,236	10,970		3,368,967	7,966	11,224		3,211,962	8,155	11,037	
Forward rate agreements	2	411,573	36	34		297,845	24	24		416,430	28	27		341,662	22	21	
Purchased options	3	35,023	409	393		28,684	434	331		27,640	455	330		26,573	432	326	
Written options	4	48,721	-	-		39,650	-	-		36,913	-	-		37,225	-	-	
	5	4,327,314	8,959	11,126	704	3,921,409	8,694	11,325	669	3,849,950	8,449	11,581	1,267	3,617,422	8,609	11,384	334
Exchange traded																	
Futures	6	192,482	-	-		142,641	-	-		120,183	-	-		106,387	-	-	
Purchased options	7	26,629	-	-		15,405	-	-		21,099	-	-		16,641	-	-	
Written options	8	16,511	-	-		17,355	-	-		15,378	-	-		12,145	-	-	
	9	235,622	-	-		175,401	-	-		156,660	-	-		135,173	-	-	
Total Interest Rate Contracts	10	4,562,936	8,959	11,126	704	4,096,810	8,694	11,325	669	4,006,610	8,449	11,581	1,267	3,752,595	8,609	11,384	334
Foreign Exchange Contracts																	
Over-the-counter																	
Cross-currency swaps	11	92,916	3,270	7,832		92,441	3,698	8,355		88,607	4,420	9,028		84,535	4,652	9,022	
Cross-currency interest rate swaps	12	455,232	5,035	14,909		439,846	5,049	14,434		417,905	5,918	15,073		423,868	9,512	18,531	
Forward foreign exchange contracts	13	472,323	4,453	8,373		450,962	3,661	6,818		485,881	3,831	7,978		430,289	5,148	8,233	
Purchased options	14	21,468	225	424		25,626	233	476		26,952	213	437		29,822	305	525	
Written options	15	24,018	-	-		28,138	-	-		31,674	-	-		35,928	-	-	
	16	1,065,957	12,983	31,538	2,544	1,037,013	12,641	30,083	2,302	1,051,019	14,382	32,516	2,618	1,004,442	19,617	36,311	2,780
Exchange traded																	
Futures	17	739	-	-		963	-	-		1,080	-	-		3,190	-	-	
Purchased options	18	2,625	-	-		2,493	-	-		4,182	-	-		5,777	-	-	
Written options	19	1,420	-	-		1,089	-	-		1,744	-	-		1,472	-	-	
	20	4,784	-	-		4,545	-	-		7,006	-	-		10,439	-	-	
Total Foreign Exchange Contracts	21	1,070,741	12,983	31,538	2,544	1,041,558	12,641	30,083	2,302	1,058,025	14,382	32,516	2,618	1,014,881	19,617	36,311	2,780
Commodity Contracts																	
Over-the-counter																	
Swaps	22	24,366	1,559	4,450		22,340	1,630	4,304		20,424	1,701	4,106		20,341	1,459	3,847	
Purchased options	23	6,182	335	1,108		6,143	434	1,185		6,551	496	1,279		6,508	374	1,113	
Written options	24	4,233	-	-		4,446	-	-		4,655	-	-		4,647	-	-	
	25	34,781	1,894	5,558	1,188	32,929	2,064	5,489	1,136	31,630	2,197	5,385	1,127	31,496	1,833	4,960	1,139
Exchange traded																	
Futures	26	33,104	-	-		31,279	-	-		29,068	-	-		28,518	-	-	
Purchased options	27	3,303	-	-		3,753	-	-		4,284	-	-		4,471	-	-	
Written options	28	4,909	-	-		5,143	-	-		5,872	-	-		6,149	-	-	
	29	41,316	-	-		40,175	-	-		39,224	-	-		39,138	-	-	
Total Commodity Contracts	30	76,097	1,894	5,558	1,188	73,104	2,064	5,489	1,136	70,854	2,197	5,385	1,127	70,634	1,833	4,960	1,139
Equity Contracts																	
Over-the-counter																	
Exchange traded	31	53,107	1,585	4,332		50,793	840	3,431		61,835	1,040	4,263		64,245	1,339	4,954	
	32	33,687	-	-		31,580	-	-		28,793	-	-		20,525	-	-	
Total Equity Contracts	33	86,794	1,585	4,332	431	82,373	840	3,431	442	90,628	1,040	4,263	545	84,770	1,339	4,954	525
Credit Default Swaps																	
Over-the-counter																	
Purchased	34	3,047	1	55		2,288	1	55		2,425	1	55		2,426	-	52	
Written	35	443	9	-		142	4	-		123	4	-		116	2	-	
Total Credit Default Swaps	36	3,490	10	55	83	2,430	5	55	63	2,548	5	55	38	2,542	2	52	35
Sub-total	37	5,800,058	25,431	52,609	4,950	5,296,275	24,244	50,383	4,612	5,228,665	26,073	53,800	5,595	4,925,422	31,400	57,661	4,813
Impact of master netting agreements	38	n.a.	(15,575)	(29,170)		n.a.	(15,454)	(28,614)		n.a.	(17,130)	(31,371)		n.a.	(21,066)	(34,786)	
Total	39	5,800,058	9,856	23,439	4,950	5,296,275	8,790	21,769	4,612	5,228,665	8,943	22,429	5,595	4,925,422	10,334	22,875	4,813

(1) Risk-weighted assets are reported after the impact of master netting agreements and application of prescaling factor where applicable.

DERIVATIVE INSTRUMENTS

Fair Value (\$ millions)	LINE #	As at October 31, 2018			As at July 31, 2018			As at April 30, 2018			As at January 31, 2018			As at October 31, 2017		
		Gross Assets	Gross Liabilities	Net	Gross Assets	Gross Liabilities	Net	Gross Assets	Gross Liabilities	Net	Gross Assets	Gross Liabilities	Net	Gross Assets	Gross Liabilities	Net
TRADING																
Interest Rate Contracts																
Swaps	1	7,795	(6,419)	1,376	7,535	(5,956)	1,579	7,263	(5,980)	1,283	7,547	(5,997)	1,550	8,390	(7,027)	1,363
Forward rate agreements	2	36	(10)	26	24	(8)	16	28	(5)	23	22	(12)	10	41	-	41
Futures	3	2	(3)	(1)	-	-	-	-	-	-	-	-	-	-	-	-
Purchased options	4	425	-	425	441	-	441	470	-	470	446	-	446	444	-	444
Written options	5	-	(273)	(273)	-	(294)	(294)	-	(311)	(311)	-	(303)	(303)	-	(329)	(329)
	6	8,258	(6,705)	1,553	8,000	(6,258)	1,742	7,761	(6,296)	1,465	8,015	(6,312)	1,703	8,875	(7,356)	1,519
Foreign Exchange Contracts																
Cross-currency swaps	7	2,362	(1,678)	684	2,443	(1,588)	855	2,585	(1,649)	936	2,605	(1,564)	1,041	2,687	(1,752)	935
Cross-currency interest rate swaps	8	4,977	(6,057)	(1,080)	4,953	(6,545)	(1,592)	5,738	(6,972)	(1,234)	9,368	(10,182)	(814)	8,103	(9,051)	(948)
Forward foreign exchange contracts	9	4,335	(2,817)	1,518	3,548	(2,886)	662	3,702	(2,967)	735	4,926	(5,394)	(468)	4,954	(3,178)	1,776
Purchased options	10	241	-	241	245	-	245	229	-	229	371	-	371	267	-	267
Written options	11	-	(228)	(228)	-	(223)	(223)	-	(213)	(213)	-	(399)	(399)	-	(270)	(270)
	12	11,915	(10,780)	1,135	11,189	(11,242)	(53)	12,254	(11,801)	453	17,270	(17,539)	(269)	16,011	(14,251)	1,760
Commodity Contracts																
Swaps	13	1,559	(1,084)	475	1,630	(1,216)	414	1,701	(1,525)	176	1,459	(1,408)	51	726	(717)	9
Futures	14	17	-	17	-	-	-	-	-	-	-	-	-	-	-	-
Purchased options	15	484	-	484	587	-	587	663	-	663	517	-	517	352	-	352
Written options	16	-	(372)	(372)	-	(461)	(461)	-	(573)	(573)	-	(471)	(471)	-	(357)	(357)
	17	2,060	(1,456)	604	2,217	(1,677)	540	2,364	(2,098)	266	1,976	(1,879)	97	1,078	(1,074)	4
	18	2,158	(2,402)	(244)	1,219	(2,829)	(1,610)	1,353	(2,643)	(1,290)	1,452	(3,459)	(2,007)	1,388	(3,386)	(1,998)
Credit Default Swaps																
Purchased	19	1	(36)	(35)	1	(39)	(38)	1	(40)	(39)	-	(49)	(49)	-	(54)	(54)
Written	20	9	(1)	8	4	(1)	3	4	-	4	2	(1)	1	7	(1)	6
	21	10	(37)	(27)	5	(40)	(35)	5	(40)	(35)	2	(50)	(48)	7	(55)	(48)
Total fair value - trading derivatives	22	24,401	(21,380)	3,021	22,630	(22,046)	584	23,737	(22,878)	859	28,715	(29,239)	(524)	27,359	(26,122)	1,237
Average fair value (1)	23	25,368	(24,333)	1,035	27,179	(27,159)	20	28,858	(28,661)	197	29,896	(29,933)	(37)	31,707	(31,311)	396
HEDGING																
Interest Rate Contracts																
Cash flow hedges - swaps	24	18	(1,261)	(1,243)	10	(1,117)	(1,107)	9	(866)	(857)	7	(926)	(919)	78	(558)	(480)
Fair value hedges - swaps	25	701	(668)	33	691	(619)	72	694	(615)	79	601	(774)	(173)	274	(402)	(128)
Total swaps	26	719	(1,929)	(1,210)	701	(1,736)	(1,035)	703	(1,481)	(778)	608	(1,700)	(1,092)	352	(960)	(608)
Foreign Exchange Contracts																
Cash flow hedges - Forward foreign exchange contracts	27	1,084	(1,074)	10	1,464	(698)	766	2,144	(411)	1,733	2,413	(140)	2,273	1,202	(722)	480
Total foreign exchange contracts	28	1,084	(1,074)	10	1,464	(698)	766	2,144	(411)	1,733	2,413	(140)	2,273	1,202	(722)	480
Equity Contracts																
Cash flow hedges - Equity contracts	29	-	(28)	(28)	15	-	15	4	-	4	20	-	20	38	-	38
Total equity contracts	30	-	(28)	(28)	15	-	15	4	-	4	20	-	20	38	-	38
Total fair value - hedging derivatives	31	1,803	(3,031)	(1,228)	2,180	(2,434)	(254)	2,851	(1,892)	959	3,041	(1,840)	1,201	1,592	(1,682)	(90)
Average fair value (1)	32	2,293	(2,176)	117	2,243	(1,913)	330	1,990	(1,921)	69	1,666	(2,049)	(383)	1,341	(2,100)	(759)
Total fair value	33	26,204	(24,411)	1,793	24,810	(24,480)	330	26,588	(24,770)	1,818	31,756	(31,079)	677	28,951	(27,804)	1,147
Less: Net impact of master netting agreements	34	(15,575)	15,575	-	(15,454)	15,454	-	(17,130)	17,130	-	(21,066)	21,066	-	(19,909)	19,909	-
Total	35	10,629	(8,836)	1,793	9,356	(9,026)	330	9,458	(7,640)	1,818	10,690	(10,013)	677	9,042	(7,895)	1,147

(1) Average fair value amounts are calculated using a five-quarter rolling average.

OVER-THE-COUNTER DERIVATIVES (NOTIONAL AMOUNTS)

LINE #	As at October 31, 2018			As at July 31, 2018			As at April 30, 2018			As at January 31, 2018			
	Non-centrally cleared	Centrally cleared	Total	Non-centrally cleared	Centrally cleared	Total	Non-centrally cleared	Centrally cleared	Total	Non-centrally cleared	Centrally cleared	Total	
Interest Rate Contracts													
Swaps	1	453,976	3,378,021	3,831,997	447,764	3,107,466	3,555,230	458,076	2,910,891	3,368,967	452,751	2,759,211	3,211,962
Forward rate agreements	2	10,031	401,542	411,573	870	296,975	297,845	1,791	414,639	416,430	1,396	340,266	341,662
Purchased options	3	35,023	-	35,023	28,684	-	28,684	27,640	-	27,640	26,573	-	26,573
Written options	4	48,721	-	48,721	39,650	-	39,650	36,913	-	36,913	37,225	-	37,225
Total interest rate contracts	5	547,751	3,779,563	4,327,314	516,968	3,404,441	3,921,409	524,420	3,325,530	3,849,950	517,945	3,099,477	3,617,422
Foreign Exchange Contracts													
Cross-currency swaps	6	92,916	-	92,916	92,441	-	92,441	88,607	-	88,607	84,535	-	84,535
Cross-currency interest rate swaps	7	455,232	-	455,232	439,846	-	439,846	417,905	-	417,905	423,868	-	423,868
Forward foreign exchange contracts	8	438,754	33,569	472,323	404,228	46,734	450,962	448,867	37,014	485,881	396,212	34,077	430,289
Purchased options	9	21,093	375	21,468	25,341	285	25,626	26,753	199	26,952	29,747	75	29,822
Written options	10	23,622	396	24,018	27,888	250	28,138	31,439	235	31,674	35,710	218	35,928
Total foreign exchange contracts	11	1,031,617	34,340	1,065,957	989,744	47,269	1,037,013	1,013,571	37,448	1,051,019	970,072	34,370	1,004,442
Commodity Contracts													
Swaps	12	24,366	-	24,366	22,340	-	22,340	20,424	-	20,424	20,341	-	20,341
Purchased options	13	6,182	-	6,182	6,143	-	6,143	6,551	-	6,551	6,508	-	6,508
Written options	14	4,233	-	4,233	4,446	-	4,446	4,655	-	4,655	4,647	-	4,647
Total commodity contracts	15	34,781	-	34,781	32,929	-	32,929	31,630	-	31,630	31,496	-	31,496
Equity Contracts	16	53,107	-	53,107	50,793	-	50,793	61,835	-	61,835	64,245	-	64,245
Credit Default Swaps													
Purchased	17	1,448	1,599	3,047	1,527	761	2,288	1,615	810	2,425	1,637	789	2,426
Written	18	23	420	443	26	116	142	19	104	123	23	93	116
Total credit default swaps	19	1,471	2,019	3,490	1,553	877	2,430	1,634	914	2,548	1,660	882	2,542
Total	20	1,668,727	3,815,922	5,484,649	1,591,987	3,452,587	5,044,574	1,633,090	3,363,892	4,996,982	1,585,418	3,134,729	4,720,147

ASSET ENCUMBRANCE

LINE #	Q4 2018						Q3 2018						
	On-Balance Sheet Assets	Other Cash & Securities Received	Encumbered (1)		Net Unencumbered		On-Balance Sheet Assets	Other Cash & Securities Received	Encumbered (1)		Net Unencumbered		
			Pledged as Collateral	Other Encumbered	Other Unencumbered (2)	Available as collateral (3)			Pledged as Collateral	Other Encumbered	Other Unencumbered (2)	Available as collateral (3)	
(\$ millions except as noted)													
Asset Liquidity													
Canadian Dollar Cash and Securities													
Cash and cash equivalents	1	7,822	-	-	-	-	7,822	10,230	-	-	-	-	10,230
Interest bearing deposits with banks	2	1,475	-	-	-	-	1,475	1,430	-	-	-	-	1,430
Securities and securities borrowed or purchased under resale agreements (4)													
Issued or guaranteed by governments	3	77,799	22,762	35,088	16,892	1,870	46,711	73,065	19,768	35,227	12,930	1,748	42,928
NHA mortgage-backed securities	4	4,664	83	1,415	-	7	3,325	4,943	88	1,493	-	7	3,531
Corporate and other debt	5	13,266	7,048	394	919	6,792	12,209	13,006	6,250	371	749	6,641	11,495
Corporate equity	6	25,975	4,521	19,092	1,641	1,357	8,406	25,788	4,784	18,922	1,367	1,362	8,921
Total securities and securities borrowed or purchased under resale agreement	7	121,704	34,414	55,989	19,452	10,026	70,651	116,802	30,890	56,013	15,046	9,758	66,875
Total Canadian dollar	8	131,001	34,414	55,989	19,452	10,026	79,948	128,462	30,890	56,013	15,046	9,758	78,535
U.S. Dollar and Other Currency Cash and Securities													
Cash and cash equivalents	9	34,320	-	-	1,655	-	32,665	30,842	-	-	1,377	-	29,465
Interest bearing deposits with banks	10	6,830	-	-	-	-	6,830	6,207	-	-	-	-	6,207
Securities and securities borrowed or purchased under resale agreements (4)													
Issued or guaranteed by governments	11	68,715	3,768	38,098	4,808	-	29,577	90,487	3,519	59,173	5,944	-	28,889
US agency mortgage-backed securities and collateralized mortgage obligations	12	27,302	231	11,098	-	-	16,435	18,620	258	4,188	-	-	14,690
Corporate and other debt	13	10,405	3,725	4,456	703	-	8,971	9,159	3,469	3,825	463	-	8,340
Corporate equity	14	37,860	16,895	17,045	4,668	554	32,488	33,929	15,471	20,477	3,807	551	24,565
Total securities and securities borrowed or purchased under resale agreement	15	144,282	24,619	70,697	10,179	554	87,471	152,195	22,717	87,663	10,214	551	76,484
Total U.S. dollar and other currency	16	185,432	24,619	70,697	11,834	554	126,966	189,244	22,717	87,663	11,591	551	112,156
NHA mortgage-backed securities (reported as loans at amortized cost) (5)	17	27,865	-	525	2,222	-	25,118	27,779	-	581	1,532	-	25,666
Total Liquid Assets	18	344,298	59,033	127,211	33,508	10,580	232,032	345,485	53,607	144,257	28,169	10,909	216,357
Loans	19	356,126	-	73,553	660	218,544	63,369	347,982	-	73,564	491	207,978	65,949
Other assets	20	73,624	-	2,509	-	71,115	-	71,851	-	3,316	-	68,535	-
Total Loans and Other Assets	21	429,750	-	76,062	660	289,659	63,369	419,833	-	76,880	491	276,513	65,949
Total	22	774,048	59,033	203,273	34,168	300,239	295,401	765,318	53,607	221,137	28,660	286,822	282,306

NET UNENCUMBERED LIQUID ASSETS BY LEGAL ENTITY AND LIQUIDITY COVERAGE RATIO

LINE #	(\$ millions except as noted)									
	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	2016 Q3
BMO	23	177,401	171,460	165,312	163,251	161,034	150,574	156,518	154,006	146,014
BMO Harris Bank	24	40,740	35,986	31,346	32,183	33,238	29,271	33,663	35,371	34,413
Broker Dealers	25	24,471	19,220	23,343	18,049	19,485	19,229	19,512	18,599	17,295
Total Net Unencumbered Liquid Assets by Legal Entity	26	242,612	226,666	220,001	213,483	213,757	199,074	209,693	207,976	197,722
Liquidity Coverage Ratio (6)	27	145%	146%	150%	153%	152%	148%	136%	131%	131%

- (1) Pledged as collateral refers to the portion of on-balance sheet assets and other cash and securities that is pledged through repurchase agreements, securities lent, derivative contracts, minimum required deposits at central banks and requirements associated with participation in clearing houses and payment systems. Other encumbered assets include assets that are restricted for legal or other reasons, such as restricted cash and short sales.
- (2) Other unencumbered assets include select liquid asset holdings that management believes are not readily available to support BMO's liquidity requirements. These include cash and securities of \$10.6 billion as at October 31, 2018, which include securities held at BMO's insurance subsidiary, significant equity investments, and certain investments held at our merchant banking business. Other unencumbered assets also include mortgages and loans that may be securitized to access secured funding.
- (3) Loans included as available as collateral represent loans currently lodged at central banks that could potentially be used to access central bank funding. Loans available for pledging as collateral do not include other sources of additional liquidity that may be realized from the loan portfolio, such as incremental securitization, covered bond issuances and FHLB advances.
- (4) Average securities balances are shown on page 14.
- (5) Under IFRS, National Housing Authority (NHA) mortgage-backed securities that include mortgages owned by BMO as the underlying collateral are classified as loans. Unencumbered NHA mortgage-backed securities have liquidity value and are included as liquid assets under BMO's Liquidity and Funding Management Framework. This amount is shown as a separate line item, NHA mortgage-backed securities.
- (6) Liquidity Coverage Ratio (LCR) calculated based on daily average balance beginning Q1 2017. LCR in prior periods is based on the average month-end values during the quarter.

DEPOSITS

LINE #	(\$ millions except as noted)										MIX Q4	INC/(DEC) VS LAST YEAR	
	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2	2017 Q1	2016 Q4	2016 Q3			
Canadian Dollar Deposits													
Banks	28	3,968	4,157	4,250	2,673	3,877	5,131	6,942	6,631	7,601	0.8 %	91	2.3 %
Business and government	29	106,581	106,337	103,082	99,140	101,408	99,018	101,228	101,931	101,461	20.4 %	5,173	5.1 %
Individuals	30	114,328	112,762	111,257	110,610	109,694	109,812	110,795	107,602	105,808	21.9 %	4,634	4.2 %
Total	31	224,877	223,256	218,589	212,423	214,979	213,961	218,965	216,164	214,870	43.1 %	9,898	4.6 %
U.S. Dollar and Other Currency Deposits													
Banks	32	23,939	24,313	28,094	25,808	24,328	23,510	23,651	22,089	23,888	4.6 %	(389)	(1.6) %
Business and government	33	206,719	195,727	183,288	180,410	181,868	177,411	182,458	180,142	174,444	39.6 %	24,851	13.7 %
Individuals	34	66,516	63,620	61,227	56,924	58,617	54,883	59,891	56,242	57,079	12.7 %	7,899	13.5 %
Total	35	297,174	283,660	272,609	263,142	264,813	255,804	266,000	258,473	255,411	56.9 %	32,361	12.2 %
Total Deposits	36	522,051	506,916	491,198	475,565	479,792	469,765	484,965	474,637	470,281	100.0 %	42,259	8.8 %
Customer Deposits (7)	37	329,215	317,837	310,043	302,716	303,095	295,987	302,767	295,844	295,103			

(7) Customer deposits are operating and savings deposits, including term investment certificates and retail structured deposits, primarily sourced through our retail, commercial, wealth and corporate banking businesses.

PILLAR 3 DISCLOSURE REQUIREMENTS

On April 20, 2017, the Office of the Superintendent of Financial Institutions (OSFI) released the final version of its guideline, Pillar 3 Disclosure Requirements, setting OSFI's expectations for domestic systemically important banks (D-SIBs) for the Revised Pillar 3 Disclosure Requirements issued by the Basel Committee on Banking Supervision in January 2015. We have adopted this guidance effective October 31, 2018.

The new Pillar 3 disclosures are prospective with comparative periods to be provided over future reporting periods. For prior period information, please refer to Q3 2018 and prior Supplementary Financial Information Packages.

Disclosures related to the Revised Basel Pillar 3 standard are detailed below.

Overview of risk management and risk-weighted assets (RWA)

OVA	Describe the bank's strategy and how senior management and the board of directors assess and manage risks, enabling users to gain a clear understanding of the bank's risk tolerance/appetite in relation to its main activities and all significant risks. 2018 Annual Report: A description of the bank's risk management objectives and policies can be found in the Enterprise-Wide Capital Management and Enterprise-Wide Risk Management sections starting on pages 69 and 78 respectively, of the MD&A.
OV1	Provide an overview of total RWA forming the denominator of the risk-based capital requirements. Q4 2018 Supplementary Financial Information: A table showing the risk-weighted assets and capital requirements is provided on page 40.

Linkages between financial statements and regulatory exposures

LI1	Identify differences between accounting and regulatory scopes of consolidation and mapping of financial statement categories with regulatory risk categories. Q4 2018 Supplementary Financial Information: A reconciliation of the accounting balance sheet to the regulatory balance sheet is provided on page 41.
LI2	Provide information on the main sources of differences between the financial statements' carrying value amounts and the exposure amounts used for regulatory purposes. Q4 2018 Supplementary Financial Information: A table showing the main sources of differences between regulatory exposure amounts and carrying values in the financial statements is provided on page 42.
LIA	Provide qualitative explanations on the differences observed between accounting carrying value and amounts considered for regulatory purposes under each regulatory framework. 2018 Annual Report: A description of systems and controls to ensure that the valuation estimates are prudent and reliable can be found on page 118 of the MD&A and in Note 17 on pages 184 to 190 of the consolidated financial statements. Q4 2018 Supplementary Financial Information: Explanations of differences between accounting and regulatory exposure amounts are provided on pages 41 and 42.

Credit Risk

CRA	Describe the main characteristics and elements of credit risk management (business model and credit risk profile, organization and functions involved in credit risk management, risk management reporting). 2018 Annual Report: A description of the bank's risk management objectives and policies for credit risk can be found on pages 81 to 87 of the MD&A.
CR1	Provide a comprehensive picture of the credit quality of the bank's on- and off-balance sheet assets. Q4 2018 Supplementary Financial Information: A table showing credit quality of assets is provided on page 43.
CR2	Identify the changes in the bank's stock of defaulted exposures, the flows between non-defaulted and defaulted exposure categories and reductions in the stock of defaulted exposures due to write-offs. Q4 2018 Supplementary Financial Information: A table showing changes in stock of defaulted loans and debt securities is provided on page 43.
CRB	Supplement the quantitative templates with information on the credit quality of the bank's assets. 2018 Annual Report: Additional qualitative disclosure related to the credit quality of assets, including information on our renegotiated loans, is provided in Note 4 on pages 157 to 164 of the consolidated financial statements. Q4 2018 Supplementary Financial Information: Exposures by geographic area, industry and residual maturity are provided on pages 47 and 48. Impaired exposures and related allowances and write-offs are provided on pages 20 to 26. An ageing analysis of accounting past due exposures is provided on page 29.
CRC	Provide qualitative information on the mitigation of credit risk. 2018 Annual Report: Credit risk mitigation (CRM) is described on pages 88 to 89 of the MD&A and in Notes 8 and 17 on pages 173 and 185, respectively, of the consolidated financial statements.
CR3	Disclose the extent of use of CRM techniques. Q4 2018 Supplementary Financial Information: A table showing an overview of CRM techniques is provided on page 43.
CRD	Supplement the information on the bank's use of the standardized approach with qualitative data on the use of external ratings. Q4 2018 Supplementary Financial Information: Qualitative disclosures on the bank's use of external credit ratings under the standardized approach for credit risk is provided on page 44.
CR4	Illustrate the effect of CRM on the standardized approach capital requirements' calculations. Q4 2018 Supplementary Financial Information: A table showing standardized approach credit risk exposure and CRM effects is provided on page 44.
CR5	Present the breakdown of credit risk exposures under the standardized approach by asset class and risk weight. Q4 2018 Supplementary Financial Information: A table showing standardized approach credit risk exposures by asset class and risk weight is provided on page 44.
CRE	Provide additional information on internal rating based (IRB) models used to compute RWA. 2018 Annual Report: Qualitative disclosures on the bank's use of IRB models are provided on pages 89 to 90 and pages 111 to 112 of the MD&A.
CR6	Provide main parameters used for the calculation of capital requirements for IRB models. Q4 2018 Supplementary Financial Information: A table showing IRB credit risk exposures by portfolio and PD (Probability of Default) range is provided on page 45.

PILLAR 3 DISCLOSURE REQUIREMENTS CONTINUED

Credit Risk (continued)

CR7	Illustrate the effect of credit derivatives on the IRB approach capital requirements' calculations. Q4 2018 Supplementary Financial Information: A table showing the effect on RWA under the IRB approach of credit derivatives used for CRM is provided on page 46.
CR8	Present a flow statement explaining variations in the credit risk-weighted assets determined under an IRB approach. Q4 2018 Supplementary Financial Information: A table showing a RWA flow statements of credit risk exposures under IRB is provided on page 46.
CR9	Provide backtesting data to validate the reliability of probability of default (PD) calculations. 2018 Annual Report: Qualitative information regarding the backtesting of IRB models is provided on pages 88 to 90 and page 112 of the MD&A. Q4 2018 Supplementary Financial Information: A table showing the results of the IRB backtesting of PD per portfolio is provided on page 58.
CR10	Provide quantitative disclosures of the bank's specialized lending and equity exposures using the simple risk-weight approach. BMO does not use the simple risk-weight method for specialized lending and equity exposures.

Counterparty Credit Risk (CCR)

CCRA	Describe the main characteristics of CCR management. 2018 Annual Report: Qualitative disclosure related to CCR is provided on pages 87 to 88. The amount of collateral to be posted in the event of a downgrade to the bank's current credit rating is provided on page 106 of the MD&A.
CCR1	Provide a comprehensive view of the methods used to calculate CCR regulatory requirements and the main parameters used within each method. Q4 2018 Supplementary Financial Information: An analysis of CCR exposures by approach is provided on page 49.
CCR2	Provide the credit valuation adjustment (CVA) regulatory calculations with a breakdown by standardized and advanced approaches. Q4 2018 Supplementary Financial Information: A table showing the CVA capital charge is provided on page 49.
CCR3	Provide a breakdown of CCR exposures calculated according to the standardized approach: by portfolio and by risk weight. Q4 2018 Supplementary Financial Information: A table showing standardized approach CCR exposures by regulatory portfolio and risk weight is provided on page 50.
CCR4	Provide all relevant parameters used for the calculation of CCR capital requirements for IRB models. Q4 2018 Supplementary Financial Information: A table showing IRB CCR exposures by portfolio and PD scale is provided on page 51.
CCR5	Provide a breakdown of all types of collateral posted or received by the bank to support or reduce the CCR exposures related to derivative transactions or to securities financing transactions (SFTs), including transactions cleared through a CCP. Q4 2018 Supplementary Financial Information: Composition of collateral for CCR exposures is provided on page 52.
CCR6	Illustrate the extent of the bank's exposures to credit derivative transactions broken down between derivatives bought or sold. Q4 2018 Supplementary Financial Information: A table showing credit derivatives exposures is provided on page 52.
CCR7	Present a flow statement explaining changes in CCR RWA determined under the Internal Model Method (IMM) for CCR. BMO does not use the IMM for measuring exposure at default for exposures subject to the CCR framework.
CCR8	Provide a comprehensive picture of the bank's exposures to central counterparties. Q4 2018 Supplementary Financial Information: A table showing exposures to central counterparties is provided on page 53.

Securitization

SECA	Provide qualitative information on the bank's strategy and risk management with respect to its securitization activities. 2018 Annual Report: Qualitative disclosures related to securitization exposures are provided on pages 76 and 89 of the MD&A and in Note 1 on page 148 and in Note 7 on pages 165 to 167 of the consolidated financial statements.
SEC1	Present the bank's securitization exposures in its banking book, including securitizations where the risk transference criteria has not been met. Q4 2018 Supplementary Financial Information: A table showing securitization exposures in the banking book, including those that did not achieve risk transference, is provided on page 54.
SEC2	Present the bank's securitization exposures in its trading book. Q4 2018 Supplementary Financial Information: A table showing securitization exposures in the trading book is provided on page 55.
SEC3	Present securitization exposures in the banking book when the bank acts as originator or sponsor and the associated capital requirements. Q4 2018 Supplementary Financial Information: A table showing securitization exposures in the banking book and associated regulatory capital requirements (bank acting as originator or as sponsor) is provided on page 56.
SEC4	Present securitization exposures in the banking book when the bank acts as investor and the associated capital requirements. Q4 2018 Supplementary Financial Information: A table showing securitization exposures in the banking book and associated regulatory capital requirements (bank acting as investor) is provided on page 56.

Market Risk

	OSFI revised Pillar 3 market risk disclosure requirements allow for a continuation of the existing Basel 2.5 market risk disclosures until the implementation of the next phase of Pillar 3 disclosures in Canada. As a result, the bank's market risk disclosures continue to be based on Basel 2.5 disclosure requirements.
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Operational Risk

	Provide qualitative information on operational risk. 2018 Annual Report: Qualitative disclosures related to operational risk are provided on pages 109 to 110 of the MD&A.
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Interest Rate Risk in the Banking Book (IRRBB)

	Provide qualitative information on IRRBB and include quantitative disclosure on the structural balance sheet's interest rate sensitivity. 2018 Annual Report: Qualitative disclosures related to IRRBB are provided on pages 98 to 99 of the MD&A. Quantitative disclosures related to IRRBB are provided on page 99 of the MD&A.
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BASEL III REGULATORY CAPITAL (All-in basis) (1) (2)

	Cross reference (3)	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3	2017 Q2
Common Equity Tier 1 Capital: instruments and reserves								
1	Directly issued qualifying common share capital plus related stock surplus	a+b	13,229	13,226	13,230	13,326	13,349	13,379
2	Retained earnings	c	25,856	24,909	24,119	23,902	23,709	22,703
3	Accumulated other comprehensive income (and other reserves)	d	2,302	2,381	2,157	1,360	3,066	4,491
6	Common Equity Tier 1 Capital before regulatory adjustments		41,387	40,516	39,506	38,588	40,114	40,573
Common Equity Tier 1 Capital: regulatory adjustments								
7	Prudential valuation adjustments		203	149	146	112	107	99
8	Goodwill (net of related tax liability)	e+p1-f	6,283	6,186	6,175	5,981	6,085	5,896
9	Other intangibles other than mortgage-servicing rights (net of related tax liability)	g-h	1,978	1,920	1,893	1,826	1,800	1,777
10	Deferred tax assets excluding those arising from temporary differences (net of related tax liability)	i-j	907	972	976	1,011	1,405	1,313
11	Cash flow hedge reserve	k	(1,074)	(885)	(768)	(746)	(182)	(191)
12	Shortfall of provisions to expected losses	k1	-	-	-	-	-	-
14	Gains or losses due to changes in own credit risk on fair valued liabilities (4)		(153)	(140)	(168)	(217)	(136)	(147)
15	Defined benefit pension fund net assets (net of related tax liability)	l-m	522	626	459	456	402	286
16	Investments in own shares (if not already netted off paid-in capital on reported balance sheet)	n	-	-	-	-	-	-
22	Amount exceeding the 15% threshold		-	-	-	-	-	-
23	of which: significant investments in the common stock financials	h1	-	-	-	-	-	-
24	of which: mortgage servicing rights	j1	-	-	-	-	-	-
25	of which: deferred tax assets arising from temporary differences	it	-	-	-	-	-	-
28	Total regulatory adjustments to Common Equity Tier 1 Capital		8,666	8,828	8,713	8,423	9,481	10,018
29	Common Equity Tier 1 Capital (CET1)		32,721	31,688	30,793	30,165	30,633	29,604
Additional Tier 1 Capital: instruments								
30	Directly issued qualifying Additional Tier 1 instruments plus related stock surplus	o	4,050	3,650	3,650	3,650	3,650	3,250
33	Directly issued capital instruments subject to phase out from Additional Tier 1 (5)	p	740	740	1,040	1,040	1,040	1,040
34	Additional Tier 1 instruments (and CET1 instruments not otherwise included) issued by subsidiaries and held by third parties (amount allowed in group AT1)	s	-	-	-	-	-	-
35	of which: instruments issued by subsidiaries subject to phase out		-	-	-	-	-	-
36	Additional Tier 1 Capital before regulatory adjustments		4,790	4,390	4,690	4,690	4,690	4,290
Additional Tier 1 Capital: regulatory adjustments								
37	Investments in own Additional Tier 1 instruments	n1	78	140	56	39	2	4
40	Significant investments in the capital of banking, financial and insurance entities that are outside the scope of regulatory consolidation, net of eligible short positions	t	213	213	213	213	213	213
41	Other deductions from Tier 1 Capital as determined by OSFI		-	-	-	-	-	-
41b	of which: Valuation adjustment for less liquid positions		-	-	-	-	-	-
43	Total regulatory adjustments applied to Additional Tier 1 Capital		291	353	269	252	215	217
44	Additional Tier 1 Capital (AT1)		4,499	4,037	4,421	4,438	4,475	4,073
45	Tier 1 Capital (T1 = CET1 + AT1)		37,220	35,725	35,214	34,603	35,108	34,681
Tier 2 Capital: instruments and provisions								
46	Directly issued qualifying Tier 2 instruments plus related stock surplus	m1	6,639	5,468	5,511	5,442	3,976	4,011
47	Directly issued capital instruments subject to phase out from Tier 2 Capital	u	143	150	116	1,021	1,053	1,852
48	Tier 2 Capital instruments (and CET1 and AT1 instruments not included) issued by subsidiaries and held by third parties (amount allowed in group Tier 2 Capital)	v	-	-	-	-	-	-
49	of which: instruments issued by subsidiaries subject to phase out		-	-	-	-	-	-
50	General allowances (6)	w	235	231	222	273	509	476
51	Tier 2 Capital before regulatory adjustments		7,017	5,849	5,849	6,736	5,538	6,339
Tier 2 Capital: regulatory adjustments								
52	Investments in own Tier 2 instruments	q1	71	91	72	79	-	6
55	Significant investments in the capital of banking, financial and insurance entities that are outside the scope of regulatory consolidation, net of eligible short positions	x	50	50	50	50	50	50
57	Total regulatory adjustments to Tier 2 Capital		121	141	122	129	50	50
58	Tier 2 Capital (T2)		6,896	5,708	5,727	6,607	5,488	6,283
59	Total Capital (TC = T1 + T2)		44,116	41,433	40,941	41,210	40,596	40,299
Total Risk-Weighted Assets								
60a	Common Equity Tier 1 (CET 1) Capital RWA (7)		289,237	277,506	273,011	270,577	269,466	264,819
60b	Tier 1 Capital RWA (7)		289,420	277,681	273,184	270,577	269,466	264,819
60c	Total Capital RWA (7)		289,604	277,857	273,357	270,577	269,466	264,819
Capital Ratios								
61	Common Equity Tier 1 ratio (as percentage of risk-weighted assets)		11.3%	11.4%	11.3%	11.1%	11.4%	11.2%
62	Tier 1 ratio (as percentage of risk-weighted assets)		12.9%	12.9%	12.9%	12.8%	13.0%	12.9%
63	Total Capital ratio (as percentage of risk-weighted assets)		15.2%	14.9%	15.0%	15.2%	15.1%	14.9%
64	Buffer requirement (minimum CET1 requirement plus capital conservation buffer plus G-SIB buffer requirement plus D-SIB buffer requirement, expressed as a percentage of risk-weighted assets)		8.0%	8.0%	8.0%	8.0%	8.0%	8.0%
65	of which: capital conservation buffer requirement		3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
66	of which: bank specific countercyclical buffer requirement		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
68	Common Equity Tier 1 available to meet buffers (as a % of risk weighted assets)		11.3%	11.4%	11.3%	11.1%	11.4%	11.3%
OSFI all-in target								
69	Common Equity Tier 1 all-in target ratio		8.0%	8.0%	8.0%	8.0%	8.0%	8.0%
Amounts below the thresholds for deduction								
72	Non-significant investments in the capital of other financials	y - z	642	534	575	411	359	325
73	Significant investments in the common stock of financials	a1	1,660	1,694	1,635	1,568	1,481	1,422
74	Mortgage servicing rights (net of related tax liability)	b1	52	51	49	47	48	49
75	Deferred tax assets arising from temporary differences (net of related tax liability)	c1 - d1	1,677	1,675	1,597	1,579	1,952	2,122
Applicable caps on the inclusion of provisions in Tier 2								
76	Provisions eligible for inclusion in Tier 2 in respect of exposures subject to standardized approach (prior to application of cap)		208	204	204	204	221	216
77	Cap on inclusion of provisions in Tier 2 under standardized approach		208	204	204	204	221	216
78	Provisions eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings based approach (prior to application of cap)		1,277	1,270	1,255	1,237	1,516	1,483
79	Cap on inclusion of provisions in Tier 2 under internal ratings-based approach		27	27	18	69	287	357
Capital instruments subject to phase-out arrangements (only applicable between 1 Jan 2013 and 1 Jan 2022)								
82	Current cap on AT1 instruments subject to phase out arrangements		1,729	1,729	1,729	1,729	2,161	2,161
83	Amounts excluded from AT1 due to cap (excess over cap after redemptions and maturities)	e1 + f1	-	-	-	-	-	-
84	Current cap on T2 instruments subject to phase out arrangements		2,054	2,054	2,054	2,054	2,567	2,567
85	Amounts excluded from T2 due to cap (excess over cap after redemptions and maturities)		-	-	-	-	-	-

(1) "All-in" regulatory capital assumes that all Basel III regulatory adjustments are applied effective January 1, 2013 and that the capital value of instruments which no longer qualify as regulatory capital under Basel III rules will be phased out at a rate of 10% per year from January 1, 2013 and continuing to January 1, 2022.

(2) Row numbering, as per OSFI July 2013 advisory, is provided for consistency and comparability in the disclosure of elements of capital among banks and across jurisdictions. Banks are required to maintain the same row numbering per OSFI advisory, however certain rows are removed because there are no values in such rows.

(3) Cross reference to Consolidated Balance Sheet under regulatory scope (page 37).

(4) For regulatory capital purposes only. Not included in consolidated balance sheet.

(5) \$450MM capital trust securities that are deconsolidated under IFRS but still qualify as Additional Tier 1 Capital are included in line 33.

(6) Prior to Q1 2018, this was Collective Allowances. OSFI uses the term General Allowances in its guidance dealing with IFRS 9.

(7) Under OSFI's Capital Adequacy Requirements (CAR) Guideline, which governs advanced approaches, the bank calculates a Basel Capital Floor and increases its risk-weighted assets to the extent such floor applies.

CONSOLIDATED BALANCE SHEET

LINE	Balance sheet as in Report to Shareholders		Under regulatory scope of consolidation (1)		Cross Reference (2)	LINE	Balance sheet as in Report to Shareholders		Under regulatory scope of consolidation (1)		Cross Reference (2)
	#	Q4 2018	Q4 2018	Q4 2018			#	Q4 2018	Q4 2018		
(\$ millions except as noted)						(\$ millions except as noted)					
Assets						Liabilities and Equity					
Cash and Cash Equivalents	1	42,142	42,113			Total Deposits	38	522,051	522,051		
Interest Bearing Deposits with Banks	2	8,305	8,299			Other Liabilities					
Securities	3	180,935	172,612			Derivative instruments	39	24,411	24,230		
Investments in own shares CET1 (if not already netted off paid-in capital on reported balance sheet)	4		-	n		Acceptances	40	18,585	18,585		
Investments in own Additional Tier 1 instruments not derecognized for accounting purposes	5		78	n1		Securities sold but not yet purchased	41	28,804	28,804		
Investments in own Tier 2 instruments not derecognized for accounting purposes	6		71	q1		Non-significant investments in the capital of other financials	42		21,129	z	
Non-significant investments in the capital of other financials below threshold (3)	7		21,771	y		Securities lent or sold under repurchase agreement	43	66,684	66,684		
Significant investments in deconsolidated subsidiaries and other financial institutions (4)	8		1,923	t+x+a1		Securitization and structured entities' liabilities	44	25,051	25,051		
Significant investments in capital of other financial institutions reflected in regulatory capital						Current tax liabilities	45	50	50		
Amount exceeding the 15% threshold	9		-	h1		Deferred tax liabilities (5)	46	74	71		
Significant investment in common stock of financials below threshold	10		462			related to goodwill	47		179	f	
Goodwill embedded in significant investments	11		89	p1		related to intangibles	48		294	h	
Securities Borrowed or Purchased Under Resale Agreements	12	85,051	85,051			related to deferred tax assets excluding those arising from temporary differences	49		143	j	
Loans						related to defined-benefit pension fund net assets	50		147	m	
Residential mortgages	13	119,620	119,620			related to deferred tax assets arising from temporary differences, excluding those realizable through net operating loss carryback	51		265	d1	
Consumer installment and other personal	14	63,225	63,225			Other	52	35,829	26,251		
Credit cards	15	8,329	8,329			of which: liabilities of subsidiaries, other than deposits	53		-		
Business and governments	16	194,456	194,239			Less: amount (of liabilities of subsidiaries) phased out	54		-		
Allowance for credit losses	17	(1,639)	(1,638)			Liabilities of subsidiaries after phase out	55		-	v	
Allowance reflected in Tier 2 regulatory capital	18		235	w		Total other liabilities	56	199,488	189,726		
Shortfall of provisions to expected loss	19		-	kl		Subordinated Debt					
Total net loans and acceptances	20	383,991	383,775			Subordinated debt	57	6,782	6,782		
Other Assets						Qualifying subordinated debt	58		6,639	m1	
Derivative instruments	21	26,204	26,201			Non qualifying subordinated debt	59		143		
Customers' liability under acceptances	22	18,585	18,585			of which redemption has been announced (in the last month of the quarter)	60		-		
Premises and equipment	23	1,986	1,834			Less: regulatory amortization	61		-		
Goodwill	24	6,373	6,373	e		Non qualifying subordinated debt subject to phase out	62		143		
Intangible assets	25	2,272	2,272	g		Less: amount phased out	63		-		
Current tax assets	26	1,515	1,483			Non qualifying subordinated debt after phase out	64		143	u	
Deferred tax assets (5)	27	2,037	2,037			Equity					
Deferred tax assets excluding those arising from temporary differences	28		1,050	i		Preferred shares	65	4,340	4,340		
Deferred tax assets arising from temporary differences	29		1,942	cl		Directly issued qualifying Additional Tier 1 instruments	66		4,050	o1	
of which Deferred tax assets arising from temporary differences below the threshold	30		1,942			Non-qualifying preferred shares for accounting purposes	67		-		
of which amount exceeding 15% threshold	31		-	il		Non-qualifying preferred shares subject to phase out	68		290		
Other	32	14,652	13,651			Less amount (of preferred shares) phased out	69		-	e1	
Defined-benefit pension fund net assets	33		669	l		Non qualifying preferred shares after phase out	70		290	p	
Mortgage servicing rights	34		52			Common shares	71	12,929	12,929		
of which Mortgage servicing rights under the threshold	35		52	b1		Directly issued qualifying CET1	72		12,929	a	
of which amount exceeding the 15% threshold	36		-	jl		Contributed surplus	73	300	300	b	
Total Assets	37	774,048	764,286			Retained earnings	74	25,856	25,856	c	
						Accumulated other comprehensive income	75	2,302	2,302	d	
						of which: Cash flow hedges	76		(1,074)	k	
						Other AOCI	77		3,376		
						Total shareholders' equity	78	45,727	45,727		
						Total Liabilities and Equity	79	774,048	764,286		

(1) Balance sheet under regulatory scope does not include the following entities: BMO Life Insurance Company and BMO Reinsurance Limited. BMO Life Insurance Company (\$9,385 million assets and nominal equity) covers the development and marketing of individual and group life, accident and health insurance and annuity products in Canada. BMO Reinsurance Limited (\$377 million assets and nominal equity) covers the reinsurance of life, health and disability insurance risks as well as property & casualty insurance risks, including catastrophe risks. The business reinsured is written by insurers and reinsurers principally in North America and Europe.

(2) Cross Reference to Basel III Regulatory Capital (All-in basis) (page 36).

(3) Includes synthetic holdings of non-significant capital investments in banking, financial and insurance entities.

(4) Under Basel III, significant investments in financial services entities that are outside the scope of regulatory consolidation are deducted from a bank's capital using the corresponding deduction approach (e.g. investments in non-common Tier 1 are deducted from a bank's non-common Tier 1 capital) except that investments in common equity capital of a significant investment which represents less than 10% of the bank's CET1 are risk weighted at 250% and are not deducted provided the sum of such investments, deferred tax assets related to timing differences and mortgage servicing rights are less than 15% of the Bank's CET1. Goodwill embedded in significant investments is separated and is shown in the corresponding line below.

(5) Deferred tax assets and liabilities are presented on the balance sheet net by legal jurisdiction.

SUMMARY COMPARISON OF ACCOUNTING ASSETS VS. LEVERAGE RATIO EXPOSURE MEASURE (1)

(\$ millions except as noted)

 BMO  Financial Group

Item	2018	2018	2018	2018
	Q4	Q3	Q2	Q1
1 Total consolidated assets as per published financial statements	774,048	765,318	743,569	727,909
2 Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation	(9,757)	(9,480)	(9,175)	(9,094)
3 Adjustment for fiduciary assets recognised on the balance sheet pursuant to the operative accounting framework but excluded from the leverage ratio exposure measure	-	-	-	-
4 Adjustments for derivative financial instruments	3,761	1,506	1,775	(5,606)
5 Adjustment for securities financing transactions (i.e. repo assets and similar secured lending)	8,347	3,069	2,930	6,694
6 Adjustment for off-balance sheet items (i.e. credit equivalent amounts of off-balance sheet exposures)	108,817	102,792	101,147	97,832
7 Other adjustments	(9,110)	(9,320)	(9,152)	(8,892)
8 Leverage Ratio Exposure	876,106	853,885	831,094	808,843

LEVERAGE RATIO COMMON DISCLOSURE (1)

(\$ millions except as noted)

Item	Leverage ratio framework			
	2018	2018	2018	2018
	Q4	Q3	Q2	Q1
On-balance sheet exposures				
1 On-balance sheet items (excluding derivatives, SFTs and grandfathered securitization exposures but including collateral)	653,039	629,354	613,128	603,873
2 (Asset amounts deducted in determining Basel III Tier 1 capital)	(9,110)	(9,320)	(9,152)	(8,892)
3 Total on-balance sheet exposures (excluding derivatives and SFTs) (sum of lines 1 and 2)	643,929	620,034	603,976	594,981
Derivative exposures				
4 Replacement cost associated with all derivative transactions (i.e., net of eligible cash variation margin)	6,515	6,169	7,332	6,067
5 Add-on amounts for PFE associated with all derivative transactions	27,114	23,943	24,214	23,736
6 Gross up for derivatives collateral provided where deducted from the balance sheet assets pursuant to the operative accounting framework	-	-	-	-
7 (Deductions of receivables assets for cash variation margin provided in derivative transactions)	(2,624)	(3,050)	(2,436)	(3,217)
8 (Exempted CCP-leg of client cleared trade exposures)	(1,044)	(751)	(751)	(444)
9 Adjusted effective notional amount of written credit derivatives	1,200	142	123	116
10 (Adjusted effective notional offsets and add-on deductions for written credit derivatives)	(1,200)	(142)	(123)	(116)
11 Total derivative exposures (sum of lines 4 to 10)	29,961	26,311	28,359	26,142
Securities financing transaction exposures				
12 Gross SFT assets recognised for accounting purposes (with no recognition of netting), after adjusting for sale accounting transactions	95,159	103,311	95,313	88,298
13 (Netted amounts of cash payables and cash receivables of gross SFT assets)	(7,675)	(3,591)	(3,636)	(4,455)
14 Counterparty credit risk (CCR) exposure for SFTs	5,914	5,028	5,935	6,045
15 Agent transaction exposures	-	-	-	-
16 Total securities financing transaction exposures (sum of lines 12 to 15)	93,398	104,748	97,612	89,888
Other off-balance sheet exposures				
17 Off-balance sheet exposure at gross notional amount	343,144	326,819	322,633	312,044
18 (Adjustments for conversion to credit equivalent amounts)	(234,326)	(224,027)	(221,486)	(214,212)
19 Off-balance sheet items (sum of lines 17 and 18)	108,818	102,792	101,147	97,832
Capital and Total Exposures				
20 Tier 1 capital	37,220	35,725	35,214	34,603
21 Total Exposures (sum of lines 3, 11, 16 and 19)	876,106	853,885	831,094	808,843
Leverage Ratios				
22 Basel III leverage ratio	4.2%	4.2%	4.2%	4.3%

(1) Pursuant to revision by OSFI to the "Public Disclosure Requirements related to Basel III Leverage Ratio" published in December 2017, effective Q1 2018, the information is on an all-in basis only.

COMMON EQUITY TIER 1 (CET 1) CAPITAL RISK-WEIGHTED ASSETS BY OPERATING GROUPS

(\$ millions except as noted)	LINE #	2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3
Personal and Commercial Banking	1	178,313	173,039	170,545	163,039	165,005	160,839
Wealth Management	2	19,069	18,560	17,538	16,778	16,276	16,170
BMO Capital Markets	3	80,606	74,663	73,875	69,296	68,131	68,023
Corporate Services, including Technology and Operations, plus excess of Basel Capital Floor RWA over Basel III RWA	4	11,249	11,244	11,053	21,464	20,054	19,787
Total Common Equity Tier 1 Capital Risk-Weighted Assets	5	289,237	277,506	273,011	270,577	269,466	264,819

FLOW STATEMENT OF BASEL III REGULATORY CAPITAL

(\$ millions except as noted)		2018 Q4	2018 Q3	2018 Q2	2018 Q1	2017 Q4	2017 Q3
Common Equity Tier 1 Capital							
Opening Balance	6	31,688	30,793	30,165	30,633	29,604	30,555
New capital issues	7	26	18	7	48	9	52
Redeemed capital	8	(107)	(102)	(488)	(294)	(91)	(349)
Gross dividends (deduction)	9	(657)	(664)	(642)	(645)	(631)	(633)
Profit for the quarter (attributable to shareholders of the parent company)	10	1,695	1,536	1,246	973	1,227	1,387
Removal of own credit spread (net of tax)	11	13	(28)	(48)	80	42	(53)
Movements in other comprehensive income							
– Currency Translation Differences	12	241	102	878	(959)	814	(2,158)
– Fair value through other comprehensive income securities (1)	13	(71)	9	(128)	(126)	10	(19)
– Other (2)	14	(60)	230	69	(2)	71	214
Goodwill and other intangible assets (deduction, net of related tax liability)	15	(155)	(37)	(262)	78	(212)	567
Other, including regulatory adjustments and transitional arrangements							
– Deferred tax assets that rely on future profitability (excluding those arising from temporary differences)	16	(65)	4	35	394	(92)	143
– Prudential Valuation Adjustments	17	(55)	(3)	(34)	(5)	(4)	(5)
– Other (3)	18	228	(170)	(5)	(10)	(114)	(97)
Closing Balance	19	32,721	31,688	30,793	30,165	30,633	29,604
Other non-core Tier 1 (Additional Tier 1) Capital							
Opening Balance	20	4,037	4,421	4,438	4,475	4,477	4,073
New non-core tier 1 (Additional Tier 1) eligible capital issues	21	400	-	-	-	-	400
Redeemed capital	22	-	(300)	-	-	-	-
Other, including regulatory adjustments and transitional arrangements (4)	23	62	(84)	(17)	(37)	(2)	4
Closing Balance	24	4,499	4,037	4,421	4,438	4,475	4,477
Total Tier 1 Capital	25	37,220	35,725	35,214	34,603	35,108	34,081
Tier 2 Capital							
Opening Balance	26	5,708	5,727	6,607	5,488	6,283	5,671
New Tier 2 eligible capital issues	27	1,119	-	-	1,538	-	850
Redeemed capital	28	-	-	(900)	-	(800)	-
Amortization adjustments	29	-	-	-	-	-	-
Other, including regulatory adjustments and transitional arrangements (5)	30	69	(19)	20	(419)	5	(238)
Closing Balance	31	6,896	5,708	5,727	6,607	5,488	6,283
Total Regulatory Capital	32	44,116	41,433	40,941	41,210	40,596	40,364

(1) Q4 2017 and prior periods represent available-for-sale securities.

(2) Includes: AOCI on pension and other post-employment benefits and on own credit risk financial liabilities designated at fair value.

(3) Includes: Capital deductions for expected loss in excess of allowances, defined benefit pension assets (net of related deferred tax liability) and investment in own shares, changes in contributed surplus and threshold deductions.

(4) Includes: Corresponding deductions from Additional Tier 1 Capital and transitional arrangements (phased-out amount).

(5) Includes: Eligible allowances, transitional arrangements (phased-out amount) and corresponding deductions from Tier 2 Capital.

OV1 - OVERVIEW OF RWA

(\$ millions)		RWA (1)		Minimum capital requirements
		Q4 2018	Q3 2018	Q4 2018
		a	b	c
1	Credit risk (excluding counterparty credit risk (CCR))	215,193	207,683	17,215
2	Of which standardized approach (SA)	39,288	38,071	3,143
3	Of which internal rating-based (IRB) approach	175,905	169,612	14,072
4	Counterparty credit risk	13,481	12,978	1,079
5	Of which standardized approach for counterparty credit risk (SA-CCR)	-	-	-
6	Of which internal model method (IMM)	-	-	-
6a	Of which current exposure method (CEM)	4,746	4,439	380
6b	Of which comprehensive approach for credit risk mitigation (for SFTs)	3,171	3,236	254
6c	Of which CVA capital charge	4,900	4,684	392
6d	Of which exposures to QCCP	664	619	53
7	Equity positions in banking book under market-based approach	-	-	-
8	Equity investments in funds – look-through approach	87	98	7
9	Equity investments in funds – mandate-based approach	731	619	58
10	Equity investments in funds – fall-back approach	118	110	9
11	Settlement risk	15	12	1
12	Securitization exposures in banking book	2,404	2,072	192
13	Of which IRB ratings-based approach (RBA)	544	279	44
14	Of which IRB Supervisory Formula Approach (SFA)	1,860	1,793	148
15	Of which SA/simplified supervisory formula approach (SSFA)	-	-	-
16	Market risk	13,532	11,097	1,083
17	Of which standardized approach (SA) (2)	258	39	21
18	Of which internal model approaches (IMM)	13,274	11,058	1,062
19	Operational risk	35,205	34,284	2,817
20	Of which Basic Indicator Approach	49	48	4
21	Of which Standardized Approach	2,019	1,977	162
22	Of which Advanced Measurement Approach	33,137	32,259	2,651
23	Amounts below the thresholds for deduction (subject to 250% risk weight)	8,471	8,553	678
24	Floor adjustment (3)	-	-	-
25	Total	289,237	277,506	23,139

RWA increased \$11.7B due to business growth, including the acquisition of KGS-ALPHA and the impact of foreign exchange movements, partially offset by positive book quality changes.

RWA CVA PHASE-IN CALCULATION (4)	LINE #	Q4 2018					
		CVA (A)	OSFI Scalars (B)	Total RWA Before CVA phase-in (C)	CVA phase-in Adjustments (D)=A*(100%-B)	Adjustment for Capital Floor (E)	RWA Net CVA phase-in (F)=C-D+E
Common Equity Tier 1 (CET 1) Capital RWA	1	6,124	80%	290,462	1,225	-	289,237
Tier 1 Capital RWA	2	6,124	83%	290,462	1,042	-	289,420
Total Capital RWA	3	6,124	86%	290,462	858	-	289,604

CAPITAL RATIOS FOR SIGNIFICANT BANK SUBSIDIARIES		2018 Q4	2018 Q3	2018 Q2	2018 Q1
Bank of Montreal Mortgage Corporation - Basel III					
All-in Basis - Basel III (5)					
Common Equity Tier 1 ratio	4	21.6%	21.8%	23.5%	20.3%
Tier 1 ratio	5	21.6%	21.8%	23.5%	20.3%
Total capital ratio	6	22.1%	22.3%	24.1%	20.7%
BMO Harris Bank N.A. - Basel III (6)					
Tier 1 ratio	7	12.5%	12.5%	12.8%	12.8%
Total capital ratio	8	13.7%	13.7%	14.0%	14.0%

- (1) The scaling factor is applied to the risk-weighted asset amounts as applicable.
- (2) Standardized approach market risk RWA reflects specific interest rate risk on securitization positions.
- (3) Under OSFI's Capital Adequacy Requirements (CAR) Guideline, which governs advanced approaches, the bank calculates a Capital Floor and may be required to increase its risk-weighted assets if the Capital Floor applies. Effective Q2 2018, OSFI implemented the Basel II Capital Floor. Based on these requirements, there was no capital floor applicable for Q4 2018 and Q3 2018.
- (4) Commencing Q1 2014, a new CVA regulatory capital charge has been applied to derivatives. For Q3 2014, OSFI introduced a new three tier capital approach with different scalars for each tier. See above for calculation and scalars' percentages. CET1 CVA phase-in factors are 64% in 2016, 72% in 2017 and 80% in 2018.
- (5) All-in capital ratios assume that all Basel III regulatory adjustments are applied effective January 1, 2013 and that the capital value of instruments which no longer qualify as regulatory capital under Basel III rules will be phased out at a rate of 10% per year from January 1, 2013, continuing to January 1, 2022.
- (6) Calculated using U.S. Basel III guidelines currently in effect for U.S. regulatory purposes and based on BMO Harris N.A.'s calendar quarter ends: September 2018, June 2018, March 2018, and December 2017.

L1 - DIFFERENCES BETWEEN ACCOUNTING AND REGULATORY SCOPES OF CONSOLIDATION AND MAPPING OF FINANCIAL STATEMENTS WITH REGULATORY RISK CATEGORIES

(\$ millions)		Q4 2018							
		LINE #	Carrying values as reported in published financial statements	Carrying values under scope of regulatory consolidation (1)	Carrying values of items:				Not subject to capital requirements or subject to deduction from capital
					Subject to credit risk framework	Subject to counterparty credit risk framework	Subject to the securitization framework	Subject to the market risk framework	
		a	b	c	d	e	f	g	
ASSETS									
	1	42,142	42,113	40,939	1,174	-	-	-	
	2	8,305	8,299	8,218	-	-	81	-	
	3	180,935	172,612	71,806	-	872	99,544	390	
	4	85,051	85,051	-	85,051	-	-	-	
Loans									
	6	119,620	119,620	118,508	-	1,079	-	33	
	7	63,225	63,225	61,219	-	48	-	1,958	
	8	8,329	8,329	2,470	-	1,873	-	3,986	
	9	194,456	194,239	184,968	2,341	6,930	-	-	
	10	(1,639)	(1,638)	(1,465)	-	(173)	-	-	
Other Assets									
	11	26,204	26,201	-	26,201	-	24,401	-	
	12	18,585	18,585	18,585	-	-	-	-	
	13	1,986	1,834	1,834	-	-	-	-	
	14	6,373	6,373	-	-	-	-	6,373	
	15	2,272	2,272	-	-	-	-	2,272	
	16	1,515	1,483	1,483	-	-	-	-	
	17	2,037	2,037	1,677	-	-	-	360	
	18	14,652	13,651	12,829	-	-	153	669	
Total assets	19	774,048	764,286	523,071	114,767	10,629	124,179	16,041	
LIABILITIES									
	20	522,051	522,051	-	-	-	15,309	506,742	
Other Liabilities									
	21	24,411	24,230	-	24,230	-	21,380	-	
	22	18,585	18,585	-	-	-	-	18,585	
	23	28,804	28,804	-	-	-	28,804	-	
	24	66,684	66,684	-	66,684	-	-	-	
	25	25,051	25,051	-	-	-	-	25,051	
	26	50	50	-	-	-	-	50	
	27	74	71	-	-	-	-	71	
	28	35,829	26,251	-	-	-	-	26,251	
	29	6,782	6,782	-	-	-	-	6,782	
Total liabilities	30	728,321	718,559	-	90,914	-	65,493	583,532	

(1) Balance sheet under regulatory scope does not include the following entities: BMO Life Insurance Company and BMO Reinsurance Limited. BMO Life Insurance Company (\$9,385 million assets and nominal equity) covers the development and marketing of individual and group life, accident and health insurance and annuity products in Canada. BMO Reinsurance Limited (\$377 million assets and nominal equity) covers the reinsurance of life, health and disability insurance risks as well as property & casualty insurance risks, including catastrophe risks. The business reinsured is written by insurers and reinsurers principally in North America and Europe.

LI2 - MAIN SOURCES OF DIFFERENCES BETWEEN REGULATORY EXPOSURE AMOUNTS AND CARRYING VALUES IN FINANCIAL STATEMENTS

(\$ millions)		Q4 2018				
		Total	Items subject to:			
			Credit risk framework	Counterparty credit risk framework	Securitization framework	Market risk framework
a	b	c	d	e		
1	Asset carrying value amount under scope of regulatory consolidation (as per template LI1) (1)	748,245	523,071	114,767	10,629	124,179
2	Liabilities carrying value amount under regulatory scope of consolidation (as per template LI1) (1)	135,027	-	90,914	-	65,493
3	Total net amount under regulatory scope of consolidation	613,218	523,071	23,853	10,629	58,686
4	Off-balance sheet amounts	232,812	162,545	57,019	13,248	-
5	Differences due to different netting rules, other than those already included in row 2	8,162	-	8,162	-	-
6	Differences due to consideration of provisions	1,922	1,749	-	173	-
7	Exposures related to liability repo-style transactions	133,367	-	133,367	-	-
8	Potential future exposure on derivatives	26,958	-	26,958	-	-
9	Differences due to consideration of CRM	(186,443)	(64)	(185,923)	(456)	-
10	Exposure amounts considered for regulatory purposes (2)	829,996	687,301	63,436	23,594	58,686

(1) Carrying value under scope of regulatory consolidation (column b from LI1) less amounts not subject to capital requirements or subject to capital deduction from capital (column g from LI1).

(2) Exposure amounts considered for regulatory purposes represent the exposure at default amounts post-CRM and post-CCF, with the exception of the Market Risk framework that is reported at accounting carrying value.

Commentary

The table above illustrates the main sources of differences between the financial statements' carrying value amounts and the exposure at default post-CRM and post-CCF used for regulatory purposes.

Off-balance sheet amounts include credit exposures on committed undrawn amounts of loans and other off-balance sheet arrangements, other than derivatives, such as undrawn commitments related to Standby Letters of Credit and Documentary Credits.

Differences due to different netting rules relate to the grossing up of derivatives to reflect legally enforceable bilateral netting arrangement recognized for regulatory capital purposes.

Differences due to consideration of provisions relate to the re-inclusion of general and specific provisions in the carrying amount of exposures in the AIRB approach.

Exposures related to liability repo-style transactions relate to the grossing up of liability repo-style transactions.

Potential future exposure consists of the add-on factors for the expected volatility of the price, rate or index underlying derivative instruments.

Differences due to consideration of CRM consist of the application of credit risk mitigation techniques to arrive at the net exposure at default in accordance with OSFI's Capital Adequacy Requirements Guidelines, Chapter 5, Credit Risk Mitigation.

CR1 - CREDIT QUALITY OF ASSETS (1)

(\$ millions)	LINE #	Q4 2018			
		Gross carrying values of		Allowances / impairments	Net values (a + b - c)
		Defaulted exposures (2) (3)	Non-defaulted exposures		
		a	b	c	d
Loans	1	2,038	383,712	1,465	384,285
Debt securities	2	-	67,599	2	67,597
Off-balance sheet exposures	3	241	154,558	229	154,570
Total	4	2,279	605,869	1,696	606,452

CR2 - CHANGES IN STOCK OF DEFAULTED LOANS AND DEBT SECURITIES (3) (4)

(\$ millions)		Q4 2018
		a
1	Defaulted loans and debt securities at end of the previous financial reporting period	2,169
2	Loans and debt securities that have defaulted since the last reporting period	417
3	Returned to non-defaulted status	(174)
4	Amounts written off	(191)
5	Other charges	(183)
6	Defaulted loans and debt securities at end of the reporting period	2,038

CR3 - CREDIT RISK MITIGATION TECHNIQUES - OVERVIEW (1) (3) (5) (6) (7)

(\$ millions)		Q4 2018				
		Unsecured exposures: carrying amount	Exposures to be secured	Exposures secured by collateral	Exposures secured by financial guarantees	Exposures secured by credit derivatives
		a	b1	b	d	f
1	Loans	325,209	59,076	-	50,801	22
2	Debt securities	67,597	-	-	-	-
3	Total	392,806	59,076	-	50,801	22
4	Of which: defaulted	1,513	155	-	149	-

(1) Excludes positions subject to counterparty credit risk and securitization regulatory frameworks.

(2) Exposures are considered to be in default when they are 90 days past due with the following exceptions: (i) credit card loans which are immediately written off when principal or interest payments are 180 days past due; and (ii) residential mortgages guaranteed by the Government of Canada that are less than one year past due.

(3) There are no defaulted debt securities.

(4) Defaulted balances exclude off-balance sheet exposures.

(5) Secured exposures include exposures where credit risk mitigation techniques are used to reduce capital requirement in accordance with OSFI's Capital Adequacy Requirements Guideline, Chapter 5, Credit Risk Mitigation. Where collateral is reflected in the risk parameters (PDs and LGDs) for AIRB exposures and risk weights for exposures under standardized approach, the carrying amount is reported as an unsecured exposure.

(6) Loans and Debt Securities balances are net of allowance for credit losses on performing loans and impaired loans (excluding those related to off-balance sheet instruments and undrawn commitments).

(7) Defaulted balances are net of allowance for credit losses on impaired loans, excluding off-balance sheet instruments and undrawn commitments.

CR4 - STANDARDIZED APPROACH - CREDIT RISK EXPOSURE AND CREDIT RISK MITIGATION (CRM) EFFECTS (1) (2)

(\$ millions)

Asset classes	Q4 2018					
	Exposures before CCF and CRM		Exposures post CCF and CRM		RWA and RWA density	
	On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA	RWA density
	a	b	c	d	e	f
1 Sovereigns and their central banks	12	7	12	3	-	0.00%
2 Non-central government public sector entities	150	23	150	12	32	20.00%
3 Multilateral development banks	-	-	-	-	-	0.00%
4 Banks	59	207	59	80	28	20.00%
5 Securities firms	7	51	7	18	5	20.00%
6 Corporates	16,450	8,850	16,450	3,450	19,722	99.11%
7 Regulatory retail portfolios	9,131	3,923	9,131	4	6,687	73.19%
8 Secured by residential property	4,408	192	4,408	74	1,728	38.54%
9 Secured by commercial real estate	694	128	694	62	756	100.00%
10 Equity	1,749	290	1,749	145	1,153	60.88%
11 Defaulted exposures	468	26	468	11	647	135.12%
12 Higher-risk categories (3)	96	129	96	65	241	150.00%
13 Other assets	8,800	-	8,800	-	8,289	94.20%
14 Total	42,024	13,826	42,024	3,924	39,288	85.51%

CR5 - STANDARDIZED APPROACH - EXPOSURES BY ASSET CLASSES AND RISK WEIGHTS (1) (2) (4)

(\$ millions)

Asset classes	Q4 2018										
	Risk Weight										Total credit exposures amount (post CCF and post-CRM)
	0%	10%	20%	35%	50%	75%	100%	150%	Others		
	a	b	c	d	e	f	g	h	i	j	
1 Sovereigns and their central banks	15	-	-	-	-	-	-	-	-	-	15
2 Non-central government public sector entities	-	-	162	-	-	-	-	-	-	-	162
3 Multilateral development banks	-	-	-	-	-	-	-	-	-	-	-
4 Banks	-	-	139	-	-	-	-	-	-	-	139
5 Securities firms	-	-	25	-	-	-	-	-	-	-	25
6 Corporates	-	-	212	-	17	-	19,671	-	-	-	19,900
7 Regulatory retail portfolios	409	-	-	-	-	8,165	561	-	-	-	9,135
8 Secured by residential property	-	-	10	4,072	-	398	2	-	-	-	4,482
9 Secured by commercial real estate	-	-	-	-	-	-	756	-	-	-	756
10 Equity	476	-	413	-	-	-	1,005	-	-	-	1,894
11 Defaulted exposures	-	-	16	-	-	-	102	361	-	-	479
12 Higher-risk categories (3)	-	-	-	-	-	-	-	161	-	-	161
13 Other assets	2,430	-	1,404	-	-	-	4,701	-	265	-	8,800
14 Total	3,330	-	2,381	4,072	17	8,563	26,798	522	265	-	45,948

(1) Credit risk excludes Counterparty Credit Risk, Securitization, Equity Investment in Funds, Settlement risk and amounts below the thresholds for deduction subject to 250% risk weight.

(2) Exposure amounts are net of stage 3 allowance for credit losses.

(3) Non-defaulted exposures with risk weights equal to 150% (e.g. rated BB- or lower).

(4) Credit assessments by external credit rating agencies, including S&P and Moody's, are used to determine standardized risk weights based on guidelines issued by OSFI.

CR7 - IRB - EFFECT ON RWA OF CREDIT DERIVATIVES USED AS CRM TECHNIQUES

(\$ millions)		Q4 2018	
		Pre-credit Derivatives RWA	Actual RWA
		a	b
1	Portfolio		
1	Corporate - AIRB	43	26
2	Sovereign - AIRB	-	-
3	Bank - AIRB	-	-
4	Total	43	26

CR8 - RWA FLOW STATEMENTS OF CREDIT RISK AND COUNTERPARTY CREDIT RISK EXPOSURES

(\$ millions)		Q4 2018		
		Credit risk, of which		Counterparty credit risk (6)
		AIRB	Standardized	
		a	b	c
1	RWA as at beginning of reporting period (1)	169,612	38,071	12,978
2	Asset size (2)	6,497	911	28
3	Asset quality (3)	(2,206)	(96)	(301)
4	Model updates (4)	(29)	-	-
5	Methodology and policy (5)	866	-	135
6	Acquisitions and disposals	-	49	572
7	Foreign exchange movements	1,165	353	69
8	Other	-	-	-
9	RWA as at end of reporting period	175,905	39,288	13,481

(1) Credit risk excludes Securitization, Equity Investment in Funds, Settlement risk and amounts below the thresholds for deduction subject to 250% risk weight.

(2) Asset size includes organic changes in book size and composition (including new business and maturing loans).

(3) Asset quality captures the quality of book changes caused by experience such as underlying customer behaviour or demographics, including changes through model calibrations/realignments.

(4) Model updates includes model implementation, change in model scope or any change to address model malfunctions.

(5) Methodology and policy includes methodology changes to the calculations driven by regulatory policy changes, such as new or revised regulation.

(6) Counterparty credit risk includes RWA for derivatives, SFTs, trades cleared through central counterparties and CVA adjustment.

MARKET RISK RISK-WEIGHTED ASSETS (RWA) MOVEMENT BY KEY DRIVERS

(\$ millions except as noted)	LINE	2018	2018	2018	2018	2017	2017
	#	Q4	Q3	Q2	Q1	Q4	Q3
Market Risk RWA, beginning of quarter	1	11,097	10,415	9,816	8,448	8,314	7,957
Movement in risk levels (1)	2	(980)	1,643	569	1,208	152	350
Model updates (2)	3	399	44	-	-	-	-
Methodology and policy (3)	4	(178)	(1,005)	30	160	(18)	7
Acquisition and disposals	5	3,194	-	-	-	-	-
Foreign exchange movement and others	6	-	-	-	-	-	-
Market Risk RWA, end of quarter	7	13,532	11,097	10,415	9,816	8,448	8,314

(1) Movement in risk levels includes changes in exposures and market movements.

(2) Model updates includes updates to risk models to reflect recent experience and changes in model scope.

(3) Methodology and policy includes methodology changes to the calculations driven by regulatory policy changes, such as new or revised regulation.

EXPOSURE COVERED BY CREDIT RISK MITIGATION (1) (3)

LINE #	Q4 2018				Q3 2018				Q2 2018			
	Standardized		AIRB		Standardized		AIRB		Standardized		AIRB	
	EAD post CRM and post-CCF	Of which exposure amount covered by guarantees or credit derivatives	EAD post CRM and post-CCF	Of which exposure amount covered by guarantees or credit derivatives (2)	EAD post CRM and post-CCF	Of which exposure amount covered by guarantees or credit derivatives	EAD post CRM and post-CCF	Of which exposure amount covered by guarantees or credit derivatives (2)	EAD post CRM and post-CCF	Of which exposure amount covered by guarantees or credit derivatives	EAD post CRM and post-CCF	Of which exposure amount covered by guarantees or credit derivatives
(\$ millions except as noted)												
Corporate (incl specialized lending and SMEs treated as corporate)	21,002	178	273,328	9,592	20,134	166	259,499	8,487	20,110	121	252,287	24,584
Sovereign	178	-	113,500	330	162	-	108,424	270	155	-	102,464	526
Bank	164	-	25,933	660	185	-	24,468	717	233	-	25,100	1,612
Total Wholesale	21,344	178	412,761	10,582	20,481	166	392,391	9,474	20,498	121	379,851	26,722
Residential mortgages excluding home equity line of credits (HELOCs)	4,376	10	102,209	46,233	4,218	13	101,899	47,205	4,208	26	100,868	49,140
HELOCs	225	-	45,158	-	243	-	44,793	-	262	-	44,065	-
Other retail	2,724	422	34,867	1,952	2,881	435	34,808	2,038	3,039	439	34,285	2,139
Qualifying revolving retail	-	-	36,499	-	-	-	36,648	-	-	-	35,640	-
Retail SMEs	6,585	-	5,741	6	6,403	-	5,582	5	6,104	-	5,430	-
Total Retail	13,910	432	224,474	48,191	13,745	448	222,730	49,248	13,613	465	220,288	51,279
Other assets	8,800	-	-	-	8,867	-	-	-	8,252	-	-	-
Equity	1,894	-	-	-	1,836	-	-	-	1,749	-	-	-
Total Bank	45,948	610	637,235	58,773	44,929	614	615,121	58,722	44,112	586	600,139	78,001

CREDIT RISK EXPOSURE BY GEOGRAPHIC REGION (3)

LINE #	Q4 2018				Q3 2018				Q2 2018			
	Canada	U.S.	Other	Total	Canada	U.S.	Other	Total	Canada	U.S.	Other	Total
(\$ millions except as noted)												
Corporate (incl specialized lending and SMEs treated as corporate)	128,517	158,498	7,315	294,330	123,331	148,236	8,066	279,633	124,633	140,562	7,202	272,397
Sovereign	31,795	71,150	10,733	113,678	33,621	64,301	10,664	108,586	30,300	62,330	9,989	102,619
Bank	1,613	9,106	15,378	26,097	4,049	6,220	14,384	24,653	3,393	6,620	15,320	25,333
Total Wholesale	161,925	238,754	33,426	434,105	161,001	218,757	33,114	412,872	158,326	209,512	32,511	400,349
Residential mortgages excluding home equity line of credits (HELOCs)	95,338	11,247	-	106,585	95,155	10,962	-	106,117	94,326	10,750	-	105,076
HELOCs	38,533	6,850	-	45,383	38,137	6,899	-	45,036	37,368	6,959	-	44,327
Other retail	29,098	8,035	458	37,591	28,732	8,477	480	37,689	28,543	8,277	504	37,324
Qualifying revolving retail	36,443	56	-	36,499	35,594	54	-	35,648	35,583	57	-	35,640
Retail SMEs	5,882	6,444	-	12,326	5,682	6,303	-	11,985	5,457	6,077	-	11,534
Total Retail	205,294	32,632	458	238,384	203,300	32,695	480	236,475	201,277	32,120	504	233,901
Other assets	4,537	4,001	262	8,800	5,218	3,596	53	8,867	5,026	3,146	80	8,252
Equity	68	1,582	244	1,894	58	1,549	229	1,836	68	1,460	221	1,749
Total Bank	371,824	276,969	34,390	683,183	369,577	256,597	33,876	660,050	364,697	246,238	33,316	644,251

CREDIT RISK EXPOSURE BY INDUSTRY (3)

LINE #	Q4 2018				Q3 2018				Q2 2018	Q1 2018
	Drawn	Commitments (undrawn) (4)	Other off-balance sheet items (5)	Total	Drawn	Commitments (undrawn) (4)	Other off-balance sheet items (5)	Total	Total	Total
(\$ millions except as noted)										
Agriculture	11,589	1,781	28	13,398	11,331	1,844	25	13,200	12,675	12,272
Communications	718	966	298	1,982	632	1,044	171	1,847	1,848	1,845
Construction	3,693	2,660	1,180	7,533	3,795	2,577	1,218	7,590	8,056	7,178
Financial	102,461	21,741	5,016	129,218	96,771	20,619	4,579	121,969	119,748	122,661
Forest products	737	438	66	1,241	659	409	66	1,134	1,231	1,162
Government	44,552	2,118	667	47,337	42,546	2,136	659	45,341	42,914	38,302
Individual	190,672	47,586	126	238,384	189,287	47,058	129	236,474	233,901	228,059
Manufacturing	22,729	13,490	1,396	37,615	22,548	12,032	1,338	35,918	34,929	32,768
Mining	1,907	3,666	1,181	6,754	1,556	3,670	1,137	6,363	6,126	5,407
Oil and Gas	9,145	10,410	1,804	21,359	8,147	7,968	1,797	17,912	17,346	16,590
Other	15,850	2,493	534	18,877	19,609	328	406	20,343	17,443	16,474
Real estate	31,537	8,170	820	40,527	30,101	7,799	806	38,706	36,692	34,521
Retail trade	19,980	3,617	559	24,156	19,785	3,361	549	23,695	23,381	21,674
Service industries	39,108	12,666	2,389	54,163	37,437	12,118	2,436	51,991	50,914	48,650
Transportation	6,899	2,287	708	9,894	6,764	2,117	926	9,807	9,852	9,124
Utilities	4,543	4,051	2,479	11,073	3,737	3,754	2,409	9,900	9,995	9,697
Wholesale trade	14,705	4,531	436	19,672	13,118	4,326	416	17,860	17,200	16,521
Total Bank	520,825	142,671	19,687	683,183	507,823	133,160	19,067	660,050	644,251	622,905

(1) Credit risk mitigants herein include only credit derivatives and guarantees. Collateral is reflected in the risk parameters (PDs, LGDs) for AIRB exposures and risk weights for exposures under the Standardized approach.

(2) Effective Q3'18, only secured amount of guaranteed facility is disclosed instead of full amount as in prior periods.

(3) Prior periods have been restated to conform with Revised Pillar 3 scope for credit risk: Credit risk excludes Securitization, Counterparty credit risk, Equity Investment in Funds, Settlement risk and Amounts below the thresholds for deduction subject to 250% risk weight.

(4) The EAD on the difference between the authorized and drawn amounts (e.g. the unused portion of a line of credit).

(5) All other off-balance sheet arrangements, other than derivatives and undrawn commitments, such as Standby Letters of Credit and Documentary Credits.

CREDIT RISK EXPOSURE BY MAJOR ASSET CLASS (1)		Q4 2018				Q3 2018				Q2 2018	Q1 2018
		Drawn	Commitments (undrawn) (2)	Other off-balance sheet items (3)	Total	Drawn	Commitments (undrawn) (2)	Other off-balance sheet items (3)	Total	Total	Total
(\$ millions except as noted)											
LINE #											
Basel III Asset Classes											
Corporate (incl specialized lending and SMEs treated as corporate)	1	191,556	86,914	15,860	294,330	185,712	78,389	15,532	279,633	272,397	266,373
Sovereign	2	108,505	3,700	1,473	113,678	103,174	3,652	1,760	108,586	102,619	89,702
Bank	3	19,541	4,326	2,230	26,097	19,096	3,912	1,645	24,653	25,333	29,743
Total Wholesale	4	319,602	94,940	19,563	434,105	307,982	85,953	18,937	412,872	400,349	385,818
Residential mortgages excluding home equity line of credits (HELOCs)	5	106,392	119	74	106,585	105,935	105	77	106,117	105,076	104,704
HELOCs	6	31,290	14,093	-	45,383	31,108	13,928	-	45,036	44,327	43,398
Other retail	7	34,772	2,815	4	37,591	34,933	2,750	6	37,689	37,324	34,292
Qualifying revolving retail	8	8,361	28,138	-	36,499	7,756	27,892	-	35,648	35,640	34,465
Retail SMEs	9	9,859	2,421	46	12,326	9,554	2,384	47	11,985	11,534	11,200
Total Retail	10	190,674	47,586	124	238,384	189,286	47,059	130	236,475	233,901	228,059
Other assets	11	8,800	-	-	8,800	8,867	-	-	8,867	8,252	7,551
Equity	12	1,749	145	-	1,894	1,688	148	-	1,836	1,749	1,477
Total Bank	13	520,825	142,671	19,687	683,183	507,823	133,160	19,067	660,050	644,251	622,905

CREDIT RISK BY RESIDUAL CONTRACT MATURITY BREAKDOWN (1)		Q4 2018				Q3 2018				Q2 2018	Q1 2018
		Drawn	Commitments (undrawn) (2)	Other off-balance sheet items (3)	Total	Drawn	Commitments (undrawn) (2)	Other off-balance sheet items (3)	Total	Total	Total
(\$ millions except as noted)											
LINE #											
Up to 1 year	14	180,710	81,804	14,614	277,128	178,778	76,756	14,225	269,759	261,538	260,101
1 to 5 years	15	278,208	55,396	4,919	338,523	267,254	51,310	4,681	323,245	314,002	299,515
Greater than 5 years	16	61,907	5,471	154	67,532	61,791	5,094	161	67,046	68,711	63,289
Total Bank	17	520,825	142,671	19,687	683,183	507,823	133,160	19,067	660,050	644,251	622,905

PORTFOLIO BREAKDOWN BY BASEL APPROACHES (1)		Q4 2018				Q3 2018				Q2 2018			
		Standardized		AIRB		Standardized		AIRB		Standardized		AIRB	
		Drawn	Commitments (undrawn) (2)	Drawn	Commitments (undrawn) (2)	Drawn	Commitments (undrawn) (2)	Drawn	Commitments (undrawn) (2)	Drawn	Commitments (undrawn) (2)	Drawn	Commitments (undrawn) (2)
(\$ millions except as noted)													
Corporate (incl specialized lending and SMEs treated as corporate)	18	17,417	3,157	174,139	83,757	16,779	2,938	168,933	75,451	16,824	2,857	163,245	74,446
Sovereign	19	163	13	108,342	3,687	151	10	103,023	3,642	145	9	96,976	3,684
Bank	20	66	40	19,475	4,286	109	31	18,987	3,881	165	21	19,456	3,965
Total Wholesale	21	17,646	3,210	301,956	91,730	17,039	2,979	290,943	82,974	17,134	2,887	279,677	82,095
Residential mortgages excluding home equity line of credits (HELOCs)	22	4,301	-	102,091	119	4,141	-	101,794	105	4,129	-	100,771	98
HELOCs	23	227	-	31,063	14,093	243	-	30,865	13,928	262	-	30,405	13,660
Other retail	24	2,718	-	32,054	2,815	2,875	-	32,058	2,750	3,034	-	31,595	2,690
Qualifying revolving retail	25	-	-	8,361	28,138	-	-	7,756	27,892	-	-	7,615	28,025
Retail SMEs	26	6,583	-	3,276	2,421	6,403	-	3,151	2,384	6,104	-	3,029	2,355
Total Retail	27	13,829	-	176,845	47,586	13,662	-	175,624	47,059	13,529	-	173,415	46,828
Other assets	28	8,800	-	-	-	8,867	-	-	-	8,252	-	-	-
Equity	29	1,749	145	-	-	1,688	148	-	-	1,602	148	-	-
Total Bank	30	42,024	3,355	478,801	139,316	41,256	3,127	466,567	130,033	40,517	3,035	453,092	128,923

(1) Prior periods have been restated to conform with Revised Pillar 3 scope for credit risk: Credit risk excludes Securitization, Counterparty credit risk, Equity Investment in Funds, Settlement risk and amounts below the thresholds for deduction subject to 250% risk weight.

(2) The EAD on the difference between the authorized and drawn amounts (e.g. the unused portion of a line of credit).

(3) All other off-balance sheet arrangements, other than derivatives and undrawn commitments, such as Standby Letters of Credit and Documentary Credits.

CCR1 - ANALYSIS OF COUNTERPARTY CREDIT RISK (CCR) EXPOSURE BY APPROACH (1)

(\$ millions)

		Q4 2018					
		Replacement cost	Potential future exposure	Effective Expected Positive Exposure (EEPE)	Alpha used for computing regulatory EAD	EAD post-CRM	RWA
		a	b	c	d	e	f
1	Current exposure method (CEM) (for derivatives)	9,112	17,855			26,370	4,746
2	Internal Model Method (for derivatives and SFTs)			-	-	-	-
3	Simple Approach for credit risk mitigation (for SFTs)					-	-
4	Comprehensive Approach for credit risk mitigation (for SFTs)					22,212	3,171
5	VaR for SFTs					-	-
6	Total						7,917

(1) Excludes credit valuation adjustment charges and exposures cleared through a central counterparty.

CCR2 - CREDIT VALUATION ADJUSTMENT (CVA) CAPITAL CHARGE

(\$ millions)

		Q4 2018	
		EAD post-CRM	RWA
		a	b
	Total portfolios subject to the Advanced CVA capital charge	-	-
1	(i) VaR component (including the 3×multiplier)		-
2	(ii) Stressed VaR component (including the 3×multiplier)		-
3	All portfolios subject to the Standardized CVA capital charge (1)	22,272	4,900
4	Total subject to the CVA capital charge	22,272	4,900

(1) RWA reflects CET1 scalar of 80% adjustment for CVA phase-in.

CCR3 - STANDARDIZED APPROACH – CCR EXPOSURES BY REGULATORY PORTFOLIO AND RISK WEIGHTS (1)

(\$ millions)

		Q4 2018								
		Risk Weight								Total credit exposure
	LINE	0%	10%	20%	50%	75%	100%	150%	Others	
Regulatory portfolio	#	a	b	c	d	e	f	g	h	
Sovereigns	1	-	-	-	-	-	-	-	-	-
Non-central government public sector entities (PSEs)	2	-	-	2	-	-	-	-	-	2
Multilateral development banks (MDBs)	3	-	-	-	-	-	-	-	-	-
Banks	4	-	-	296	-	-	-	-	-	296
Securities firms	5	-	-	-	-	-	-	-	-	-
Corporates	6	-	-	-	-	-	581	-	-	581
Regulatory retail portfolios	7	-	-	-	-	-	-	-	-	-
Secured by residential property	8	-	-	-	-	-	-	-	-	-
Secured by commercial real estate	9	-	-	-	-	-	1	-	-	1
Equity	10	-	-	-	-	-	-	-	-	-
Defaulted exposures	11	-	-	-	-	-	-	-	-	-
Higher-risk categories (2)	12	-	-	-	-	-	-	1	-	1
Other assets	13	-	-	-	-	-	-	-	-	-
Total	14	-	-	298	-	-	582	1	-	881

(1) Excludes credit valuation adjustment charges and exposures cleared through a central counterparty.

(2) Non-defaulted exposures with risk weights equal to 150% (e.g. rated BB- or lower).

CCR4 - IRB - CCR EXPOSURES BY PORTFOLIO AND PD SCALE

(\$ millions except as noted)

Risk Profile	BMO Rating	PD scale (%)	Moody's Investors Service implied equivalent	Standard & Poor's implied equivalent	LINE #	Q4 2018						
						EAD post-CRM	Average PD (1)	Number of obligors (2)	Average LGD (3)	Average maturity (years) (4)	RWA	RWA density
						a	b	c	d	e	f	g
Corporate												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	1	9,747	0.05%	2,790	29.58%	0.99	854	8.76%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	2	2,074	0.19%	375	19.77%	1.16	339	16.32%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	3	1,169	0.32%	526	30.64%	2.05	723	61.86%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	4	1,103	0.66%	475	28.16%	1.33	764	69.27%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	5	1,328	1.43%	606	18.93%	0.94	912	68.71%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	6	321	2.81%	212	42.25%	0.79	356	110.99%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	7	23	12.96%	9	19.14%	1.00	20	87.70%
Default	Default	100.00 (Default)	C	C to D	8	0	100.00%	1	45.00%	2.99	0	533.33%
Sub-total					9	15,765		4,994			3,968	
Sovereign												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	10	9,904	0.04%	219	6.67%	2.38	268	2.71%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	11	15	0.20%	5	11.57%	1.97	2	12.21%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	12	104	0.33%	6	39.96%	0.51	28	26.81%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	13	3	0.63%	1	55.00%	1.00	2	76.38%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	14	7	1.21%	2	40.00%	0.90	4	67.37%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	15	1	2.74%	2	65.00%	4.29	2	225.33%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	16	-	0.00%	-	0.00%	0.00	-	0.00%
Default	Default	100.00 (Default)	C	C to D	17	-	0.00%	-	0.00%	0.00	-	0.00%
Sub-total					18	10,034		235			306	
Bank												
Investment grade	I-1, I-2, I-3, I-4, I-5	0.00 to <0.15	Aaa to Baa1	AAA to BBB+	19	20,382	0.07%	253	29.25%	1.16	2,614	12.82%
Investment grade	I-5, I-6	0.15 to <0.25	Baa1 to Baa2	BBB+ to BBB	20	983	0.19%	85	28.33%	0.98	201	20.44%
Investment grade	I-6, I-7	0.25 to <0.50	Baa2 to Baa3	BBB to BBB-	21	101	0.32%	59	22.28%	1.86	14	13.86%
Investment grade to Non-investment grade	I-7, S-1	0.50 to <0.75	Baa3 to Ba1	BBB- to BB+	22	415	0.54%	28	29.17%	0.13	150	36.20%
Non-investment grade	S-1, S-2, S-3	0.75 to <2.50	Ba1 to Ba3	BB+ to BB-	23	16	0.91%	10	54.12%	0.67	15	96.06%
Non-investment grade to Watchlist	S-3, S-4, P-1, P-2	2.50 to <10.00	Ba3 to Caa1	BB- to B-	24	6	2.74%	7	35.00%	0.98	5	88.58%
Watchlist	P-2, P-3	10.00 to <100.00	Caa1 to Ca	B- to CC	25	-	0.00%	-	0.00%	0.00	-	0.00%
Default	Default	100.00 (Default)	C	C to D	26	-	0.00%	-	0.00%	0.00	-	0.00%
Sub-total					27	21,903		442			2,999	
Total (all wholesale portfolios)					28	47,702		5,671			7,273	

(1) Calculated as obligor PD weighted by EAD.

(2) Obligor count for Wholesale portfolios is at the borrower level.

(3) Calculated as the obligor LGD net of CRM weighted by EAD.

(4) Calculated as the obligor effective maturity in years weighted by EAD.

CCR5 - COMPOSITION OF COLLATERAL FOR CCR EXPOSURE (1)

		Q4 2018					
		Collateral used in derivative transactions				Collateral used in SFTs	
		Fair value of collateral received		Fair value of posted collateral		Fair value of collateral received	Fair value of posted collateral
		Segregated	Unsegregated	Segregated	Unsegregated		
LINE #	a	b	c	d	e	f	
(\$ millions)							
Cash – domestic currency	1	-	1,487	-	908	20,636	40,936
Cash – other currencies	2	-	3,276	-	1,261	54,761	48,215
Domestic sovereign debt	3	-	164	-	636	54,622	28,312
Other sovereign debt	4	-	108	-	345	33,739	34,079
Government agency debt	5	-	640	-	350	1,909	8,921
Corporate bonds	6	-	33	-	-	7,735	16,459
Equity securities	7	-	-	-	-	23,106	39,832
Other collateral	8	-	-	-	-	1,074	-
Total	9	-	5,708	-	3,500	197,582	216,754

(1) Segregated refers to collateral which is held in a bankruptcy-remote manner whereas unsegregated refers to collateral that is not held in bankruptcy-remote manner.

CCR6 - CREDIT DERIVATIVES EXPOSURES

		Q4 2018	
		Protection bought	Protection sold
		a	b
(\$ millions)			
Notionals			
Single-name credit default swaps	10	1,858	24
Index credit default swaps	11	1,977	797
Total return swaps	12	1,318	379
Credit options	13	-	-
Other credit derivatives	14	-	-
Total notionals	15	5,153	1,200
Fair values			
Positive fair value (asset)	16	33	15
Negative fair value (liability)	17	53	1

CCR8 - EXPOSURES TO CENTRAL COUNTERPARTIES

(\$ millions)

		Q4 2018	
		EAD (post-CRM)	RWA
		a	b
1	Exposures to QCCPs (total)		664
2	Exposures for trades at QCCPs (excluding initial margin and default fund contributions); of which	11,327	230
3	(i) OTC derivatives	5,547	114
4	(ii) Exchange-traded derivatives	4,534	91
5	(iii) Securities financing transactions	1,246	25
6	(iv) Netting sets where cross-product netting has been approved	-	-
7	Segregated initial margin	-	
8	Non-segregated initial margin	2,832	57
9	Pre-funded default fund contributions	695	377
10	Unfunded default fund contributions	-	-
11	Exposures to non-QCCPs (total)		-
12	Exposures for trades at non-QCCPs (excluding initial margin and default fund contributions); of which	-	-
13	(i) OTC derivatives	-	-
14	(ii) Exchange-traded derivatives	-	-
15	(iii) Securities financing transactions	-	-
16	(iv) Netting sets where cross-product netting has been approved	-	-
17	Segregated initial margin	-	
18	Non-segregated initial margin	-	-
19	Pre-funded default fund contributions	-	-
20	Unfunded default fund contributions	-	-

DEBT ISSUED BY BANK SPONSORED VEHICLES FOR THIRD PARTY ASSETS

LINE #	Q4 2018			Q3 2018			Q2 2018			Q1 2018		
	Canadian Conduits (1)	US Conduit (2)	Total	Canadian Conduits (1)	US Conduit (2)	Total	Canadian Conduits (1)	US Conduit (2)	Total	Canadian Conduits (1)	US Conduit (2)	Total
Auto loans/leases	2,021	1,263	3,284	2,211	1,394	3,605	1,946	1,448	3,394	2,016	1,640	3,656
Credit card receivables	200	-	200	150	-	150	150	-	150	150	-	150
Residential mortgages (insured)	616	-	616	717	-	717	852	-	852	926	-	926
Residential mortgages (uninsured)	962	-	962	1,060	-	1,060	966	-	966	920	-	920
Commercial mortgages (uninsured)	-	16	16	-	16	16	-	15	15	-	15	15
Commercial mortgages (insured)	72	-	72	59	-	59	62	-	62	54	-	54
Equipment loans/leases	323	616	939	197	668	865	6	500	506	262	532	794
Trade receivables	-	250	250	-	249	249	-	241	241	-	237	237
Corporate loans	-	-	-	-	-	-	-	-	-	-	-	-
Daily auto rental	170	304	474	332	424	756	155	410	565	120	76	196
Floorplan finance receivables	332	351	683	314	325	639	214	323	537	294	320	614
Collateralized debt obligations	-	-	-	-	-	-	-	-	-	-	-	-
Other pool type	250	111	361	250	171	421	250	130	380	250	97	347
Student loans	-	898	898	-	773	773	-	1,270	1,270	-	398	398
Total	4,946	3,809	8,755	5,290	4,020	9,310	4,601	4,337	8,938	4,992	3,315	8,307

(1) Canadian Conduit totals include amounts pertaining to a conduit that has been directly funded by the Bank (\$824.7 million as at Q4, 2018, \$782.8 million as at Q3, 2018, \$761.8 million as at Q2, 2018, and \$801.5 million as at Q1, 2018). External Credit Assessment Institutions used to rate the Asset Backed Commercial Paper of the market funded conduits in Canada are DBRS and Moody's.

(2) US Conduit totals include amounts that have been directly funded by the Bank (\$24.1 million as at Q4, 2018, \$23.9 million as at Q3, 2018, \$24.0 million as at Q2, 2018, and \$23.0 million as at Q1, 2018). External Credit Assessment Institutions used to rate the Asset Backed Commercial Paper of the market funded conduit in the US are S&P and Moody's.

SEC1 - SECURITIZATION EXPOSURES IN BANKING BOOK (1)

LINE #	(\$ millions)	Q4 2018								
		Bank acts as originator			Bank acts as sponsor			Bank acts as investor		
		Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
	a	b	c	e	f	g	i	j	k	
1	Total retail, of which:	4,110	-	4,110	10,298	-	10,298	-	-	-
2	Residential mortgage (2)	1,079	-	1,079	2,803	-	2,803	-	-	-
3	Credit card	1,873	-	1,873	731	-	731	-	-	-
4	Other retail exposures	1,158	-	1,158	6,764	-	6,764	-	-	-
5	Re-securitization	-	-	-	-	-	-	-	-	-
6	Total wholesale, of which:	49	4,417	4,466	6,273	-	6,273	8	-	8
7	Loans to corporates	49	4,417	4,466	207	-	207	-	-	-
8	Commercial mortgage	-	-	-	-	-	-	-	-	-
9	Lease and receivables	-	-	-	5,578	-	5,578	-	-	-
10	Other wholesale	-	-	-	488	-	488	8	-	8
11	Re-securitization	-	-	-	-	-	-	-	-	-

(1) The amounts disclosed represent the carrying value of securitization exposures in the banking book, including securitization exposures where the criteria for recognition of risk transference are not met. As at October 31, 2018, \$1,106 million of securitization exposures did not qualify for risk transference. The table excludes securitization-related assets of \$5,977 million not subject to capital requirements but consolidated on the balance sheet for accounting purposes.

(2) Excludes mortgage-backed securities that do not involve the tranching of credit risk (e.g. NHA MBS) which are not considered securitizations as per OSFI's Capital Adequacy Requirements Guideline, Chapter 7, Structured Credit Products.

SEC2 - SECURITIZATION EXPOSURES IN THE TRADING BOOK

(\$ millions)

		Q4 2018								
		Bank acts as originator			Bank acts as sponsor			Bank acts as investor		
		Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total
		a	b	c	e	f	g	i	j	k
1	Total retail, of which:	-	-	-	-	-	-	282	-	282
2	Residential mortgage	-	-	-	-	-	-	32	-	32
3	Credit card	-	-	-	-	-	-	126	-	126
4	Auto loans/leases	-	-	-	-	-	-	113	-	113
5	Student loans	-	-	-	-	-	-	10	-	10
6	Other retail exposures	-	-	-	-	-	-	1	-	1
7	Re-securitization	-	-	-	-	-	-	-	-	-
8	Total wholesale, of which:	-	-	-	-	-	-	87	-	87
9	Loans to corporates	-	-	-	-	-	-	15	-	15
10	Commercial mortgage	-	-	-	-	-	-	-	-	-
11	Lease and receivables	-	-	-	-	-	-	35	-	35
12	Auto floorplan	-	-	-	-	-	-	24	-	24
13	Insurance premium	-	-	-	-	-	-	7	-	7
14	Other wholesale	-	-	-	-	-	-	6	-	6
15	Re-securitization	-	-	-	-	-	-	-	-	-

SEC3 - SECURITIZATION EXPOSURES IN THE BANKING BOOK AND ASSOCIATED CAPITAL REQUIREMENTS - BANK ACTING AS ORIGINATOR OR AS SPONSOR (1)

		Q4 2018																
		Exposure values by RW bands (2)					Exposure values by regulatory approach (2)				RWA by regulatory approach (3)				Capital charge after cap			
		≤20%	>20% to 50%	>50% to 100%	>100% to <1250%	1250% RW	IRB RBA (including IAA)	IRB SFA	SA/SSFA	1250%	IRB RBA (including IAA)	IRB SFA	SA/SSFA	1250%	IRB RBA (including IAA)	IRB SFA	SA/SSFA	1250%
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q		
1	Total exposures	23,487	55	2	3	39	3,004	20,582	-	-	529	1,775	-	-	43	148	-	
2	Traditional securitization	19,571	20	2	3	29	3,004	16,621	-	-	529	1,364	-	-	43	115	-	
3	Of which securitization	19,571	20	2	3	29	3,004	16,621	-	-	529	1,364	-	-	43	115	-	
4	Of which retail underlying	13,254	20	2	2	24	3,004	10,298	-	-	529	803	-	-	43	68	-	
5	Of which wholesale	6,317	-	-	1	5	-	6,323	-	-	-	561	-	-	-	47	-	
6	Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7	Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8	Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9	Synthetic securitization	3,916	35	-	-	10	-	3,961	-	-	-	411	-	-	-	33	-	
10	Of which securitization	3,916	35	-	-	10	-	3,961	-	-	-	411	-	-	-	33	-	
11	Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	Of which wholesale	3,916	35	-	-	10	-	3,961	-	-	-	411	-	-	-	33	-	
13	Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

SEC4 - SECURITIZATION EXPOSURES IN THE BANKING BOOK AND ASSOCIATED CAPITAL REQUIREMENTS - BANK ACTING AS INVESTOR (1)

		Q4 2018																
		Exposure values by RW bands (2)					Exposure values by regulatory approach (2)				RWA by regulatory approach (3)				Capital charge after cap			
		≤20%	>20% to 50%	>50% to 100%	>100% to <1250%	1250% RW	IRB RBA (including IAA)	IRB SFA	SA/SSFA	1250%	IRB RBA (including IAA)	IRB SFA	SA/SSFA	1250%	IRB RBA (including IAA)	IRB SFA	SA/SSFA	1250%
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q		
1	Total exposures	8	-	-	-	-	8	-	-	-	1	-	-	1	-	-	-	
2	Traditional securitization	8	-	-	-	-	8	-	-	-	1	-	-	1	-	-	-	
3	Of which securitization	8	-	-	-	-	8	-	-	-	1	-	-	1	-	-	-	
4	Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	Of which wholesale	8	-	-	-	-	8	-	-	-	1	-	-	1	-	-	-	
6	Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7	Of which senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8	Of which non-senior	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9	Synthetic securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	Of which securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	Of which retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	Of which wholesale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13	Of which re-securitization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

(1) Only includes securitization exposures where the risk transference recognition criteria are met in accordance with OSFI's Capital Adequacy Requirements Guidelines, Chapter 7, Structured Credit Products.

(2) Exposure amounts are net of collateral.

(3) RWA before application of the KIRB cap and scaling factor.

ESTIMATED AND ACTUAL LOSS PARAMETERS UNDER AIRB APPROACH

(\$ millions except as noted)

Risk Profile	LINE #	Q4 2018						Q3 2018					
		PD (1) (2)		LGD (3) (4)		EAD (5) (6)		PD (1) (2)		LGD (3) (4)		EAD (5) (6)	
		Average estimated	Actual	Average estimated	Actual	Estimated	Actual	Average estimated	Actual	Average estimated	Actual	Estimated	Actual
Wholesale													
Corporate including specialized lending	1	0.83%	0.44%	35.31%	19.59%	268	228	0.86%	0.57%	34.36%	18.63%	405	314
Corporate small and medium enterprises (SMEs)	2	1.26%	0.53%	38.43%	22.58%	68	65	1.30%	0.54%	38.42%	26.04%	63	63
Sovereign	3	0.11%	0.00%	14.93%	0.00%	-	-	0.10%	0.00%	15.22%	0.00%	-	-
Bank	4	0.31%	0.00%	17.30%	0.00%	-	-	0.33%	0.00%	17.27%	0.00%	-	-
Retail													
Residential mortgages excluding home equity line of credits (HELOCs) - Uninsured only (7) (8)	5	0.97%	0.64%	25.67%	14.34%	250	250	0.97%	0.65%	23.97%	13.71%	247	247
HELOCs (8)	6	0.57%	0.47%	34.60%	20.04%	190	184	0.58%	0.51%	35.41%	19.68%	193	187
Qualifying revolving retail (QRR)	7	1.30%	1.15%	84.12%	79.00%	484	468	1.33%	1.20%	84.18%	77.40%	493	475
Other retail (excl. SMEs)	8	4.97%	4.53%	84.04%	77.44%	328	328	5.10%	4.57%	84.04%	77.74%	319	318
Retail SMEs	9	1.17%	0.83%	95.86%	78.51%	47	42	1.19%	0.81%	95.50%	78.92%	44	40

(1) Wholesale PDs are based on a borrower weighted average. There have been no Bank or Sovereign defaults in the past 12 months.

(2) Retail PD is based on account weighted average.

(3) Wholesale LGDs are expressed as an exposure weighted average. The LGD figures include back-dated resolved facilities.

(4) Retail LGD is based on weighted average of LGD eligible accounts.

(5) Wholesale EAD represented predicted vs. realized comparison for defaults in the previous 12 months. Term products are not included. No defaults in the Bank and Sovereign asset classes within the past 12 months.

(6) Retail EAD represents predicted vs. realized comparison for defaults in the previous 12 months.

(7) Mortgages insured by Canada Mortgage And Housing Corporation and private mortgage insurers are primarily included in Sovereign.

(8) Investor-owned mortgages are included in the Other Retail asset class.

BASEL GLOSSARY

AIRB (Advanced Internal Ratings Based approach): The AIRB approach is the most advanced of the range of options for determining the capital requirements for credit risk. This option allows banks to use their own internal model to measure credit risk capital requirements, subject to regulatory approval. OSFI has indicated that it expects the largest Canadian Banks to adopt the AIRB approach.

Basel Capital Floor: A capital floor is measured based on the Basel standardized approach for credit risk and internal model market risk, as prescribed by OSFI in CAR.

Capital Adequacy Requirements (CAR): OSFI's Capital Adequacy Requirements guideline.

Credit Conversion Factor (CCF) converts an off balance sheet exposure to its credit exposure equivalent.

Credit Risk Mitigation (CRM) are techniques under the CAR that banks use to mitigate credit risk and applicable capital, including exposures collateralized by first priority claims, in whole or in part with cash or securities, a loan exposure guaranteed by a third party, or a credit derivative to offset various forms of credit risk.

Credit valuation adjustment (CVA) is the adjustment that a bank must add as capital charge to cover the risk of mark-to-market losses on the expected counterparty risk to OTC derivatives.

The **Current exposure method (CEM)** is a method to calculate the exposure at default for OTC derivatives when the Internal Models Method (IMM) is not used.

Drawn: The amount of funds invested or advanced to a customer.

Exposure at Default (EAD): EAD for on-balance sheet amounts represents outstandings, grossed up by provisions for credit losses on impaired loans and write-offs. EAD for undrawn and other off-balance sheet are estimated using CCFs.

Exposure at Default OTC Derivatives: Represent the net gross positive replacement costs plus the potential credit exposure amount.

HELOCs: Home Equity Lines of Credit comprise lines of credit secured by equity in a residential property.

OSFI: Office of the Superintendent of Financial Institutions.

Pillar 3: OSFI prescribed regulatory disclosures to promote market discipline.

Qualifying central counterparty (QCCP) is an entity that is licensed to operate as a central counterparty (CCP) and is permitted by the appropriate regulator/overseer to operate as such with respect to the products offered.

RWA Density is the ratio of Σ risk weighted assets / (total exposures post CCF and post CRM). It provides a synthetic metric on riskiness of each portfolio.

Scaling Factor: Regulatory requirement of an incremental multiplier of 1.06 applied to AIRB credit risk RWA.

Securities Financing Transactions (SFT): transactions such as repurchase agreements, reverse repurchase agreements, security lending and borrowing, and wholesale margin lending transactions.

Standardized Approach: This option allows banks to measure capital requirements by multiplying exposures by defined percentages based on the exposures product type and external credit rating (if applicable).

Value at risk (VaR) is a measure of how much a set of investments might lose (with a given probability), given normal market conditions, in a set time period.