First Quarter 2019



Royal Bank of Canada first quarter 2019 results

All amounts are in Canadian dollars and are based on financial statements prepared in compliance with International Accounting Standard 34 Interim Financial Reporting, unless otherwise noted.

Net Income \$3.2 Billion Continued earnings growth of 5% YoY

Diluted EPS(1)

ROE⁽²⁾ 16.7% Balanced capital deployment

CET1 Ratio

TORONTO, February 22, 2019 — Royal Bank of Canada (RY on TSX and NYSE) today reported net income of \$3,172 million for the quarter ended January 31, 2019, up \$160 million or 5% from the prior year, with solid diluted EPS⁽¹⁾ growth of 7%. Results reflect solid underlying earnings growth in Personal & Commercial Banking and Insurance. Challenging market conditions impacted several business segments in the first quarter of 2019 contributing to results being flat in Wealth Management and lower results in Capital Markets and Investor & Treasury Services. Our results also reflect an increase due to foreign exchange translation and the write-down of net deferred tax assets in the prior year related to the U.S. Tax Reform.

Compared to last quarter, net income was down \$78 million with higher earnings in Wealth Management, Personal & Commercial Banking, and Investor & Treasury Services. These were more than offset by lower earnings in Insurance, and Capital Markets due to challenging market conditions.

Results this quarter also reflect investments in client-facing staff and technology initiatives, as well as higher provisions for credit losses (PCL), with a total PCL ratio on loans of 34 basis points (bps). PCL on impaired loans ratio of 28 bps was up 8 bps compared to last quarter, largely due to higher provisions related to one account in Capital Markets. Our capital position remained strong, with a Common Equity Tier 1 (CET1) ratio of 11.4%. In addition, today we announced an increase to our quarterly dividend of \$0.04 or 4% to \$1.02 per share.

"Our strategy and unwavering focus on delivering value for our clients and shareholders continues to underpin our ability to consistently deliver solid results, even against a challenging market backdrop. In addition to delivering earnings of \$3.2 billion, we are pleased to increase our quarterly dividend by 4% today. We remain focused on prudently managing our risks and balancing our investments for long-term growth as we transform the client journey.'

– Dave McKay, RBC President and Chief Executive Officer

Q1 2019 Compared to Q1 2018

Q1 2019

Q4 2018

Compared to

•	Net income of \$3,172 million
•	Diluted EPS(1) of \$2.15

• ROE⁽²⁾ of 16.7% CET1 ratio of 11.4%

• Net income of \$3,172 million

Diluted EPS⁽¹⁾ of \$2.15

 ROE⁽²⁾ of 16.7% • CET1 ratio of 11.4%

2% 90 bps 10 bps

5%

7%

70 bps

40 bps

Earnings per share (EPS).

Return on Equity (ROE). This measure does not have a standardized meaning under GAAP. For further information, refer to the Key performance and non-GAAP measures section of this Q1 2019 Report to Shareholders.

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Management's Discussion and Analysis

Management's Discussion and Analysis (MD&A) is provided to enable a reader to assess our results of operations and financial condition for the three month period ended or as at January 31, 2019, compared to the corresponding period in the prior fiscal year and the three month period ended October 31, 2018. This MD&A should be read in conjunction with our unaudited Interim Condensed Consolidated Financial Statements for the quarter ended January 31, 2019 (Condensed Financial Statements) and related notes and our 2018 Annual Report. This MD&A is dated February 21, 2019. All amounts are in Canadian dollars, unless otherwise specified, and are based on financial statements prepared in accordance with International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board (IASB), unless otherwise noted.

Additional information about us, including our 2018 Annual Information Form, is available free of charge on our website at rbc.com/investorrelations, on the Canadian Securities Administrators' website at sedar.com and on the EDGAR section of the United States (U.S.) Securities and Exchange Commission's (SEC) website at sec.gov.

Information contained in or otherwise accessible through the websites mentioned does not form part of this report. All references in this report to websites are inactive textual references and are for your information only.

Caution regarding forward-looking statements

From time to time, we make written or oral forward-looking statements within the meaning of certain securities laws, including the "safe harbour" provisions of the *United States Private Securities Litigation Reform Act of 1995* and any applicable Canadian securities legislation. We may make forward-looking statements in this Q1 2019 Report to Shareholders, in other filings with Canadian regulators or the SEC, in other reports to shareholders, and in other communications. Forward-looking statements in this document include, but are not limited to, statements relating to our financial performance objectives, vision and strategic goals, the Economic, market, and regulatory review and outlook for Canadian, U.S., European and global economies, the regulatory environment in which we operate, and the risk environment including our liquidity and funding risk, and includes our President and Chief Executive Officer's statements. The forward-looking information contained in this document is presented for the purpose of assisting the holders of our securities and financial analysts in understanding our financial position and results of operations as at and for the periods ended on the dates presented, as well as our financial performance objectives, vision and strategic goals, and may not be appropriate for other purposes. Forward-looking statements are typically identified by words such as "believe", "expect", "foresee", "forecast", "anticipate", "intend", "estimate", "goal", "plan" and "project" and similar expressions of future or conditional verbs such as "will", "may", "should", "could" or "would".

By their very nature, forward-looking statements require us to make assumptions and are subject to inherent risks and uncertainties, which give rise to the possibility that our predictions, forecasts, projections, expectations or conclusions will not prove to be accurate, that our assumptions may not be correct and that our financial performance objectives, vision and strategic goals will not be achieved. We caution readers not to place undue reliance on these statements as a number of risk factors could cause our actual results to differ materially from the expectations expressed in such forward-looking statements. These factors – many of which are beyond our control and the effects of which can be difficult to predict – include: credit, market, liquidity and funding, insurance, operational, regulatory compliance, strategic, reputation, legal and regulatory environment, competitive and systemic risks and other risks discussed in the risk sections of our 2018 Annual Report and the Risk management section of this Q1 2019 Report to Shareholders; including global uncertainty, Canadian housing and household indebtedness, information technology and cyber risk, regulatory changes, digital disruption and innovation, data and third party related risks, climate change, the business and economic conditions in the geographic regions in which we operate, the effects of changes in government fiscal, monetary and other policies, tax risk and transparency, and environmental and social risk.

We caution that the foregoing list of risk factors is not exhaustive and other factors could also adversely affect our results. When relying on our forward-looking statements to make decisions with respect to us, investors and others should carefully consider the foregoing factors and other uncertainties and potential events. Material economic assumptions underlying the forward-looking statements contained in this Q1 2019 Report to Shareholders are set out in the Economic, market and regulatory review and outlook section and for each business segment under the Strategic priorities and Outlook headings in our 2018 Annual Report, as updated by the Economic, market and regulatory review and outlook section of this Q1 2019 Report to Shareholders. Except as required by law, we do not undertake to update any forward-looking statement, whether written or oral, that may be made from time to time by us or on our behalf.

Additional information about these and other factors can be found in the risk sections of our 2018 Annual Report and the Risk management section of this Q1 2019 Report to Shareholders.

Overview and outlook

About Royal Bank of Canada

Royal Bank of Canada is a global financial institution with a purpose-driven, principles-led approach to delivering leading performance. Our success comes from the 84,000+ employees who bring our vision, values and strategy to life so we can help our clients thrive and communities prosper. As Canada's biggest bank, and one of the largest in the world based on market capitalization, we have a diversified business model with a focus on innovation and providing exceptional experiences to our 16 million clients in Canada, the U.S. and 33 other countries. Learn more at rbc.com.

Selected financial and other highlights

		As at o	r for th	e three months		For the three months ended				
		January 31		October 31		January 31	Q	1 2019 vs.	Q	1 2019 vs.
(Millions of Canadian dollars, except per share, number of and percentage amounts)		2019		2018		2018		Q4 2018		Q1 2018
Total revenue	\$	11,589	\$	10,669	\$	10,828	\$	920	\$	761
Provision for credit losses (PCL)		514		353		334		161		180
Insurance policyholder benefits, claims and acquisition		1 225		404		926		721		200
expense (PBCAE) Non-interest expense		1,225 5,912		494 5 , 882		836 5,611		731 30		389 301
Income before income taxes		3,938		3,940		4,047		(2)		(109)
Net income	\$	3,172	\$	3,250	\$	3,012	\$	(78)	\$	160
Segments – net income		-,-,-		-,		-,		(, -)		
Personal & Commercial Banking	\$	1,571	\$	1,538	\$	1,521	\$	33	\$	50
Wealth Management		597		553		597		44		-
Insurance		166		318		127		(152)		39
Investor & Treasury Services		161		155		219		6		(58)
Capital Markets		653		666		748		(13)		(95)
Corporate Support	<u>_</u>	24	4	20	t.	(200)	ċ	(70)	Ļ	224
Net income	\$	3,172	\$	3,250	\$	3,012	\$	(78)	\$	160
Selected information Earnings per share (EPS) – basic	\$	2.15	\$	2.21	\$	2.02	\$	(0.06)	\$	0.13
	٦	2.15	Ф	2.21	Ф	2.02	٦	(0.05)	Ş	0.13
Return on common equity (ROE) (1) (2)		16.7%		17.6%		17.4%		(90) bps		(70) bps
Average common equity (1)	\$	73,550	\$	71,700	\$	66,850	\$	1,850	\$	6,700
Net interest margin (NIM) – on average earning assets (1)	·	1.62%	,	1.67%		1.65%	·	(5) bps	·	(3) bps
PCL on loans as a % of average net loans and acceptances		0.34%		0.23%		0.24%		11 bps		10 bps
PCL on impaired loans as a % of average net loans and										
acceptances		0.28%		0.20%		0.23%		8 bps		5 bps
Gross impaired loans (GIL) as a % of loans and acceptances		0.46%		0.37%		0.45%		9 bps		1 bps
Liquidity coverage ratio (LCR) (3)		128%		123%		122%		500 bps		600 bps
Capital ratios and Leverage ratio (4)		44.40/		44.50/		44.00/		(4 0) h		40 h
Common Equity Tier 1 (CET1) ratio		11.4%		11.5% 12.8%		11.0%		(10) bps		40 bps
Tier 1 capital ratio Total capital ratio		12.7% 14.5%		14.6%		12.4% 14.4%		(10) bps (10) bps		30 bps 10 bps
Leverage ratio		4.3%		4.4%		4.2%		(10) bps		10 bps
Selected balance sheet and other information (5)						,,_,,		(-0)		
Total assets	S.	1,366,207	\$	1,334,734	\$	1,276,275	\$	31,473	\$	89,932
Securities, net of applicable allowance	7	235,832	,	222,866	•	222,262	•	12,966		13,570
Loans, net of allowance for loan losses		589,820		576,818		538,044		13,002		51,776
Derivative related assets		84,816		94,039		105,512		(9,223)		(20,696)
Deposits		852,564		837,046		800,020		15,518		52,544
Common equity		74,147		73,552		66,430		595		7,717
Total capital risk-weighted assets Assets under management (AUM)		508,512		496,459		466,758 656,700		12,053 17,000		41,754 31,300
Assets under management (AOM) Assets under administration (AUA) (6)		688,000 5,363,900		671,000 5,533,700		5,653,500		(169,800)		(289,600)
Common share information		3,303,300		3,333,700		3,033,300		(109,000)		(209,000)
Shares outstanding (000s) – average basic		1,437,074		1,440,207		1,451,781		(3,133)		(14,707)
– average diluted		1,443,195		1,446,514		1,451,761		(3,319)		(15,519)
– end of period (7)		1,435,073		1,438,794		1,443,915		(3,721)		(8,842)
Dividends declared per common share	\$	0.98	\$	0.98	\$	0.91	\$	-	\$	0.07
Dividend yield (8)		4.1%		3.8%		3.5%		30 bps		60 bps
Common share price (RY on TSX) (9)	\$	100.02	\$	95.92	\$	105.32	\$	4.10	\$	(5.30)
Market capitalization (TSX) (9)		143,536		138,009		152,089		5,527		(8,553)
Business information (number of)										
Employees (full-time equivalent) (FTE)		82,108		81,870		78,648		238		3,460
Bank branches		1,334		1,333		1,368		1		(34)
Automated teller machines (ATMs)		4,568		4,537		4,660		31		(92)
Period average US\$ equivalent of C\$1.00 (10)	\$ \$	0.749	\$	0.767	\$	0.794	\$	(0.018)	\$	(0.045)
Period-end US\$ equivalent of C\$1.00	\$	0.761	\$	0.760	\$	0.813	\$	0.001	\$	(0.052)

⁽¹⁾ Average amounts are calculated using methods intended to approximate the average of the daily balances for the period. This includes Average common equity used in the calculation of ROE. For further details, refer to the Key performance and non-GAAP measures section.

These measures may not have a standardized meaning under generally accepted accounting principles (GAAP) and may not be comparable to similar measures disclosed by other financial

⁽²⁾ institutions. For further details, refer to the Key performance and non-GAAP measures section.

LCR is the average for the three months ended for each respective period and is calculated in accordance with OSFI's Liquidity Adequacy Requirements (LAR) guideline. For further details, refer to the Liquidity and funding risk section.

The Leverage ratio is a regulatory measure under the Basel III framework. For further details, refer to the Capital management section.

⁽⁵⁾ Represents period-end spot balances.

AUA includes \$16.6 billion and \$8.5 billion (October 31, 2018 – \$16.7 billion and \$9.6 billion; January 31, 2018 – \$18.2 billion and \$9.1 billion) of securitized residential mortgages and credit card (6) loans, respectively.

Effective Q4 2018, Common shares outstanding includes the impact of treasury shares. Comparative amounts have been adjusted to conform with this presentation.

Defined as dividends per common share divided by the average of the high and low share price in the relevant period.

Based on TSX closing market price at period-end.

Average amounts are calculated using month-end spot rates for the period.

Economic, market and regulatory review and outlook - data as at February 21, 2019

The predictions and forecasts in this section are based on information and assumptions from sources we consider reliable. If this information or these assumptions are not accurate, actual economic outcomes may differ materially from the outlook presented in this section.

Economic and market review and outlook

Canada

The Canadian economy is estimated to have grown by 1.1%¹ during the last calendar quarter of 2018, which is down from a 2.0%¹ increase in the previous calendar quarter. The slowdown partially reflected a pullback in the Canadian energy sector, while consumer spending and housing activity remained soft. Some local housing markets have yet to fully stabilize following a decline in resales in calendar 2018. Despite slower GDP growth toward the end of last year, job growth has remained strong. The unemployment rate rose to 5.8% in January 2019 as more Canadians looked for work, but that rate remains close to historical lows. The Bank of Canada (BoC) held its overnight rate steady at 1.75% in January and struck a fairly balanced tone in light of the slowdown. We expect a return to near 2% growth later this year with non-energy exports and business investment offsetting a slowdown in consumer spending and housing.

U.S.

Overall growth in the U.S. economy is estimated to have slowed to 2.5%¹ in the fourth calendar quarter of 2018, down from the 3.4%¹ increase in the previous calendar quarter. Two months of healthy consumer spending in the last calendar quarter was capped off by an unexpected decline in December's retail sales. Manufacturing output increased at a solid rate in the last calendar quarter of 2018 despite indicators pointing to slower growth. The labour market remained strong toward the end of calendar 2018 and wages continued to rise. We expect the U.S. economy will continue to grow at a solid pace throughout calendar 2019 despite recent softening in sentiment indicators. Equity markets rebounded in January following sharp declines during the last calendar quarter in 2018. The Federal Reserve (Fed) also expects sustained economic expansion and low unemployment, but has emphasized a more patient approach to setting monetary policy amid growing risks to the outlook. Those include signs of slowing global growth, persistent uncertainty over trade policy, some sustained tightening in financial conditions and a government shutdown that will impact growth in the current calendar quarter.

Europe

The Euro area's growth was stagnant in the fourth calendar quarter of 2018 with GDP growth remaining at 0.2%. Some temporary factors, including production issues in the German auto sector and labour disruptions in France, were behind the loss of momentum, and export growth was hampered by a slowdown in some emerging market economies. In the U.K., rising uncertainty over Brexit was likely a significant factor to its loss of growth momentum, adversely impacting business sentiment and investment. Labour markets in the Euro area and the U.K. continued to improve toward the end of the calendar year, however, recent indicators point to a slowdown in hiring activity. We expect growth within the Euro area and the U.K. to remain soft over the first half of 2019 as geopolitical uncertainty persists.

Financial markets

Equity markets were under downward pressure toward the end of the last calendar year due to concerns about rising interest rates, geopolitical tensions and slowing global growth. Both the S&P 500 Index and the S&P/TSX Composite experienced double-digit declines in the fourth calendar quarter of 2018. However, the indices partially rebounded in January. Key foreign indices experienced similar movements. Flattening in the U.S. yield curve may have also contributed to the increase in market volatility as investors worry the end of the business cycle is drawing closer.

Regulatory environment

We continue to monitor and prepare for regulatory developments and changes in a manner that seeks to ensure compliance with new requirements while mitigating any adverse business or financial impacts. Such impacts could result from new or amended laws or regulations and the expectations of those who enforce them. A high level summary of the key regulatory changes that have the potential to increase our costs, impact our profitability, and increase the complexity of our operations are disclosed in the Legal and regulatory environment risk section of our 2018 Annual Report, as updated below.

Global Uncertainty

Trade policy remains a risk to the global economic outlook, including the ratification of the Canada-United States-Mexico Agreement (CUSMA), the outcome of the Brexit negotiations, and tensions between the U.S. and China. While Canada, the U.S., and Mexico have successfully renegotiated the North American Free Trade Agreement, the new CUSMA deal has yet to be ratified and could face challenges in a divided U.S. Congress. The outcome of the Brexit negotiations and its resulting impact on global trade also remains uncertain. Although tension remains between the U.S. and China, trade discussions are ongoing between the two countries, and there may be a further extension on when the U.S. will increase tariffs on Chinese imports, which is currently set at March 1, 2019. These ongoing concerns have contributed to the International Monetary Fund further lowering its 2019 global growth projections in January, with the possibility for additional downgrades in the event of further escalation in trade tensions.

Consumer Protection

The Canadian federal government has focused its attention on issues relating to consumer protection and the sales practices of banks. While the government's proposed legislative changes to consumer protection provisions applicable to banks was approved on December 13, 2018, the government remains in the early stages of developing a regulatory framework to support the new provisions.

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Privacy

Legislative developments in data privacy are being closely monitored following the enactment of the General Data Protection Regulation (GDPR). Data privacy risks remain a key focus, and European data protection authorities have issued the first significant fines to certain non-financial services entities in January 2019.

London Interbank Offered Rate (LIBOR)

LIBOR is the most widely referenced benchmark interest rate across the globe for derivatives, bonds, loans and other floating rate instruments; however, there is a regulator-led push to transition the market from LIBOR to alternative risk-free, or nearly risk-free, rates that are based on actual overnight transactions. In addition to the U.S. and U.K., regulators internationally, including the Bank of Canada, have warned the market they will need to be prepared for LIBOR to be discontinued at the end of 2021. Derivatives, floating rate notes and other financial contracts whose terms extend beyond 2021, and that refer to LIBOR as the reference rate, will be impacted. At this time, local jurisdictions are evaluating the potential impacts and solutions for replacement benchmark rates.

Other Regulatory Initiatives Impacting Financial Services in Canada

On January 11, 2019, the federal government released a consultation paper on the merits of open banking. The government will also be holding roundtables and anticipates that the Advisory Committee on this issue will provide a report to the Minister of Finance following the completion of its work.

United States Regulatory Initiatives

Policymakers continue to consider reforms to various U.S. regulations, certain of which may, if implemented, result in reduced complexity of the U.S. regulatory framework and lower compliance costs. The Fed is expected to release a proposal in March 2019 to tailor its enhanced prudential standards applicable to foreign bank organizations.

United States Tax Reform

Regulations implementing and/or clarifying certain aspects of the U.S. Tax Cuts and Jobs Act legislation (U.S. Tax Reform) are being released on a rolling basis. In December 2018, the U.S. Treasury released proposed regulations clarifying some of the rules for calculating a Base Erosion Anti-Abuse Tax (BEAT) as well as proposed regulations relating to deductions on certain cross-border interest and royalty payments (the Anti-Hybrid rules). We are currently reviewing the impact of these proposed regulations.

U.K. and European Regulatory Reform

The U.K. remains in negotiations with regards to its exit from the European Union, scheduled to take place on March 29, 2019. Until the date of its exit or, if there is a transition period, until the period expires, the U.K. will continue to remain an EU Member State, subject to all EU legislation. Other forthcoming regulatory initiatives include the transaction reporting of securities financing transactions, which is expected to take effect in the first calendar quarter of 2020, extended from its previous effective date of the first calendar quarter of 2019.

For a discussion on risk factors resulting from these and other regulatory developments which may affect our business and financial results, refer to the Risk management – Top and emerging risks and Legal and regulatory environment risk sections of our 2018 Annual Report and the Capital, liquidity and other regulatory developments section of this Q1 2019 Report to Shareholders. For further details on our framework and activities to manage risks, refer to the risk and Capital management sections of our 2018 Annual Report and the Risk management and Capital management sections of this Q1 2019 Report to Shareholders.

Financial performance

Overview

Q1 2019 vs. Q1 2018

Net income of \$3,172 million was up \$160 million or 5% from a year ago. Diluted earnings per share (EPS) of \$ 2.15 was up \$0.14 or 7% and return on common equity (ROE) of 16.7% was down 70 bps from 17.4% last year. Our Common Equity Tier 1 (CET1) ratio of 11.4% was up 40 bps from a year ago.

Our results reflected solid earnings growth in Personal & Commercial Banking and Insurance, and consistent earnings in Wealth Management, partially offset by lower results in Capital Markets and Investor & Treasury Services. Our results also reflect an increase due to foreign exchange translation and the impact in the prior year of the U.S. Tax Reform which resulted in the write-down of net deferred tax assets.

Personal & Commercial Banking earnings were up mainly due to volume growth and higher spreads. These factors were partially offset by higher staff and technology related costs, higher provision for credit losses (PCL) and a gain relating to the reorganization of Interac in the prior year. The current year also included a write-down of deferred tax assets resulting from a change in the corporate tax rate in Barbados.

Insurance results increased primarily reflecting favourable life retrocession contract renegotiations and lower claims costs.

Wealth Management results remained unchanged from a year ago as higher net interest income and an increase in average fee-based client assets were offset by higher costs related to business growth, increases in PCL and regulatory costs, and lower transaction volumes. A favourable accounting adjustment related to Canadian Wealth Management in the current period was largely offset by the impact of a favourable accounting adjustment related to City National in the prior period.

Capital Markets results were down primarily due to higher PCL and lower revenue in Corporate and Investment Banking. These factors were partially offset by a lower effective tax rate reflecting changes in earnings mix and the impact of foreign exchange translation.

Investor & Treasury Services earnings decreased primarily due to lower funding and liquidity revenue, higher costs in support of business growth, and lower revenue from our asset services business. These factors were partially offset by improved client deposit margins.

Corporate Support net income was \$24 million in the current quarter, largely reflecting net favourable tax adjustments. Net loss was \$200 million in the prior year, largely due to the impact of the U.S. Tax Reform of \$178 million which was mainly related to the write-down of net deferred tax assets.

For further details on our business segment results and CET1 ratio, refer to the Business segment results and Capital management sections, respectively.

01 2019 vs. 04 2018

Net income of \$3,172 million was down \$78 million or 2% from the prior quarter. Diluted EPS of \$ 2.15 was down \$0.05 or 2% and ROE of 16.7% was down 90 bps. Our CET1 ratio of 11.4%, was down 10 bps.

Our results reflected lower earnings in Insurance and Capital Markets, partially offset by higher earnings in Wealth Management, Personal & Commercial Banking, and Investor & Treasury Services.

Insurance earnings were down as the prior period included annual actuarial assumption updates, higher favourable investment-related experience, and higher favourable life retrocession contract renegotiations.

Capital Markets earnings decreased primarily due to lower revenue in Corporate and Investment Banking and higher PCL. These factors were partially offset by higher revenue in Global Markets and a lower effective tax rate reflecting changes in earnings mix.

Wealth Management earnings were up primarily reflecting an increase in net interest income, a favourable accounting adjustment related to Canadian Wealth Management in the current period, and the change in fair value of seed capital investments. These factors were partially offset by higher costs in support of business growth, and lower fee-based revenue resulting from challenging market conditions throughout the earlier part of Q1 2019.

Personal & Commercial Banking results were up reflecting volume growth, seasonally lower marketing costs, and lower professional fees. These factors were partially offset by higher staff-related costs and an increase in PCL. The current year also included a write-down of deferred tax assets resulting from a change in the corporate tax rate in Barbados.

Investor & Treasury Services earnings increased primarily due to higher funding and liquidity revenue, lower technology costs, and improved client deposit margins. These factors were partially offset by annual regulatory costs in the current period.

Impact of foreign currency translation

The following table reflects the estimated impact of foreign currency translation on key income statement items:

	For the three months ended									
(Millions of Canadian dollars, except per share amounts)	Q1 20 Q1	19 vs. 2018	Q1 201 Q4	19 vs. 2018						
Increase (decrease):										
Total revenue	\$	186	\$	86						
PCL		8		3						
PBCAE		-		-						
Non-interest expense		115		57						
Income taxes		7		3						
Net income		56		23						
Impact on EPS										
Basic	\$	0.04	\$	0.02						
Diluted		0.04		0.02						

The relevant average exchange rates that impact our business are shown in the following table:

	For t	For the three months ended					
	January 31	October 31	January 31				
(Average foreign currency equivalent of C\$1.00) (1)	2019	2018	2018				
U.S. dollar	0.749	0.767	0.794				
British pound	0.582	0.593	0.578				
Euro	0.656	0.666	0.656				

⁽¹⁾ Average amounts are calculated using month-end spot rates for the period.

Total revenue

	For the three months ended											
A	January 31		October 31		January 31							
(Millions of Canadian dollars)	2019		2018		2018							
Interest and dividend income	\$ 10,149	\$	8,990	\$	7,540							
Interest expense	5,265		4,261		3,095							
Net interest income	\$ 4,884	\$	4,729	\$	4,445							
NIM	1.62%		1.67%		1.65%							
Insurance premiums, investment and fee income	\$ 1,579	\$	1,039	\$	1,144							
Trading revenue	358		123		318							
Investment management and custodial fees	1,450		1,387		1,325							
Mutual fund revenue	873		896		885							
Securities brokerage commissions	342		349		355							
Service charges	468		459		440							
Underwriting and other advisory fees	345		514		541							
Foreign exchange revenue, other than trading	249		267		281							
Card service revenue	282		264		257							
Credit fees	315		371		328							
Net gains on investment securities	46		33		39							
Share of profit in joint ventures and associates	15		8		25							
Other	383		230		445							
Non-interest income	\$ 6,705	\$	5,940	\$	6,383							
Total revenue	\$ 11,589	\$	10,669	\$	10,828							
Additional information												
Total trading revenue												
Net interest income	\$ 601	\$	548	\$	550							
Non-interest income	358		123		318							
Total trading revenue	\$ 959	\$	671	\$	868							

Q1 2019 vs. Q1 2018

Total revenue increased \$761 million or 7% from last year, mainly due to higher net interest income, insurance premiums, investment and fee income (Insurance revenue), and investment management and custodial fees. These factors were partially offset by lower underwriting and advisory fees. In addition, the impact of foreign exchange translation increased total revenue by \$186 million.

Net interest income increased \$439 million or 10%, largely due to the impact from higher interest rates and volume growth in Canadian Banking and Wealth Management. Higher trading revenue, primarily in commodities and equities, and higher lending revenue in Capital Markets also contributed to the increase. Net interest income was also impacted by lower funding and liquidity revenue, which was largely offset by the related gains on non-trading derivatives in Other revenue.

NIM was down 3 bps compared to last year, due to changes in average earning asset mix with volume growth primarily in reverse repos, and lower funding and liquidity revenue. These factors were partially offset by improved spreads on deposits in Canadian Banking and Wealth Management, reflecting higher interest rates. The impact associated with lower funding and liquidity revenue was largely offset by the related gains on non-trading derivatives in Other revenue.

Insurance revenue increased \$435 million or 38%, mainly reflecting the change in fair value of investments backing our policyholder liabilities and higher group annuity sales, both of which are largely offset in PBCAE. Business growth in longevity reinsurance, and favourable life retrocession contract renegotiations also contributed to the increase.

Investment management and custodial fees increased \$125 million or 9%, mainly due to a favourable accounting adjustment in Wealth Management in the current period and higher average fee-based client assets reflecting net sales.

Underwriting and other advisory fees decreased \$196 million or 36%, largely due to lower equity and debt origination primarily in North America.

Q1 2019 vs. Q4 2018

Total revenue increased \$920 million or 9% from the prior quarter, primarily due to the change in fair value of investments backing our policyholder liabilities, which is largely offset in PBCAE, higher equity and fixed income trading revenue, primarily in North America, and the impact from volume growth and higher interest rates in Canadian Banking and Wealth Management. These factors were partially offset by lower equity and debt origination, primarily in North America. In addition, the impact of foreign exchange translation increased total revenue by \$86 million.

Provision for credit losses Q1 2019 vs. Q1 2018

Total PCL in Q1 2019 was \$514 million.

PCL on loans of \$516 million increased \$182 million, or 54% from the prior year, mainly due to higher provisions in Capital Markets, Personal & Commercial Banking and Wealth Management. PCL ratio on loans of 34 bps increased 10 bps.

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Q1 2019 vs. Q4 2018

Total PCL increased \$161 million from the prior quarter.

PCL on loans of \$516 million increased \$183 million, or 55% from the prior quarter, mainly due to higher provisions in Capital Markets and Personal & Commercial Banking. PCL ratio on loans increased 11 bps.

For further details on PCL, refer to Credit quality performance in the Credit risk section.

Insurance policyholder benefits, claims and acquisition expense (PBCAE) Q1 2019 vs. Q1 2018

PBCAE increased \$389 million or 47% from a year ago, primarily due to the change in fair value of investments backing our policyholder liabilities and higher group annuity sales, both of which are largely offset in revenue, and growth in longevity reinsurance. These factors were partially offset by favourable life retrocession contract renegotiations, and lower claims costs mainly due to lower claims volumes in our life retrocession and international life portfolios.

Q1 2019 vs. Q4 2018

PBCAE increased \$731 million from the prior quarter, mainly due to the change in fair value of investments backing our policyholder liabilities, which is largely offset in revenue, business growth, and lower favourable investment-related experience. The prior quarter included favourable annual actuarial assumption updates and higher favourable life retrocession contract renegotiations. These factors were partially offset by lower group annuity sales, which is largely offset in revenue.

Non-interest expense

		For the three months ended								
(Millions of Canadian dollars, except percentage amounts)	J	anuary 31 2019	(October 31 2018	J	January 31 2018				
Salaries Variable compensation Benefits and retention compensation Share-based compensation	\$	1,608 1,388 492 155	\$	1,575 1,433 402 19	\$	1,466 1,384 480 172				
Human resources Equipment Occupancy Communications Professional fees Amortization of other intangibles Other	\$	3,643 431 397 240 305 290 606	\$	3,429 419 400 316 418 279 621	\$	3,502 372 379 224 281 261 592				
Non-interest expense Efficiency ratio (1) Efficiency ratio adjusted (2)	\$	5,912 51.0% 52.1%	\$	5,882 55.1% 53.4%	\$	5,611 51.8% 51.9%				

⁽¹⁾ Efficiency ratio is calculated as Non-interest expense divided by Total revenue.

Q1 2019 vs. Q1 2018

Non-interest expense increased \$301 million or 5%, largely due to the impact of foreign exchange translation, increased costs in support of business growth and higher staff-related costs. Increased technology and related costs, including digital initiatives, and higher regulatory costs also contributed to the increase. These factors were partially offset by the change in the fair value of our U.S. share-based compensation plans, which was largely offset in Other revenue.

Our efficiency ratio of 51.0% decreased 80 bps from 51.8% last year. Excluding the change in fair value of investments backing our policyholder liabilities, our efficiency ratio of 52.1% increased 20 bps from 51.9% last year, primarily due to increased costs in support of business growth and higher staff-related costs, increased technology and related costs, including digital initiatives, and higher regulatory costs. These factors were largely offset by revenue growth across most business segments.

Q1 2019 vs. Q4 2018

Non-interest expense increased \$30 million or 1%, largely due to increased costs in support of business growth and higher staff-related costs, and the impact of foreign exchange translation. These factors were largely offset by seasonally lower marketing costs and lower professional fees.

Our efficiency ratio of 51.0% decreased 410 bps from 55.1% last quarter. Excluding the change in fair value of investments backing our policyholder liabilities, our efficiency ratio of 52.1% decreased 130 bps from 53.4% last quarter, primarily due to higher revenue across all business segments, seasonally lower marketing costs and lower professional fees. These factors were partially offset by increased costs in support of business growth and higher staff-related costs.

Efficiency ratio excluding the change in fair value of investments backing our policyholder liabilities is a non-GAAP measure. For further details, including a reconciliation, refer to the Key performance and non-GAAP measures section.

⁽²⁾ Measures have been adjusted by excluding the change in fair value of investments backing our policyholder liabilities. These are non-GAAP measures. For further details, refer to the Key performance and non-GAAP measures section.

Income taxes

		For the three months ended										
	Ja	nuary 31	(October 31	J	anuary 31						
(Millions of Canadian dollars, except percentage amounts)		2019	2018			2018						
Income taxes	\$	766	\$	690	\$	1,035						
Income before income taxes	\$	3,938	\$	3,940	\$	4,047						
Canadian statutory income tax rate (1)		26.5%		26.5%		26.5%						
Lower average tax rate applicable to subsidiaries (2)		(5.1)%		(6.3)%		(3.2)%						
Tax-exempt income from securities		(1.8)%		(1.9)%		(1.6)%						
Tax rate change (3)		0.5%		-%		3.6%						
Other		(0.6)%		(0.8)%		0.3%						
Effective income tax rate		19.5%		17.5%		25.6%						

- (1) Blended Federal and Provincial statutory income tax rate.
- (2) As the reduced tax rates from the U.S. Tax Reform were effective on January 1, 2018, the Lower average tax rate applicable to subsidiaries for the three months ended October 31, 2018 and January 31, 2018 reflects the fiscal 2018 blended rate for U.S. subsidiaries.
- (3) In Q1 2018, the tax rate change is primarily related to the impact of the U.S. Tax Reform.

01 2019 vs. 01 2018

Income tax expense decreased \$269 million or 26% from last year, primarily due to the impact of the U.S. Tax Reform which resulted in the write-down of net deferred tax assets in the prior year, and changes in earnings mix. These factors were partially offset by a write-down of deferred tax assets resulting from a change in the corporate tax rate in Barbados in the current period.

The effective income tax rate of 19.5% decreased 610 bps, mainly due to impact of the U.S. Tax Reform in the prior year, higher income from lower tax rate jurisdictions, and net favourable tax adjustments in the current quarter. These factors were partially offset by a write-down of deferred tax assets resulting from a change in the corporate tax rate in Barbados in the current period.

Q1 2019 vs. Q4 2018

Income tax expense increased \$76 million or 11% from last quarter, and the effective income tax rate of 19.5% increased 200 bps, primarily due to lower net favourable tax adjustments and a write-down of deferred tax assets resulting from a change in the corporate tax rate in Barbados in the current period.

Business segment results

How we measure and report our business segments

The key methodologies and assumptions used in our management reporting framework are periodically reviewed by management to ensure they remain valid. They remain unchanged from October 31, 2018.

For further details on our key methodologies and assumptions used in our management reporting framework, refer to the How we measure and report our business segments section of our 2018 Annual Report.

Key performance and non-GAAP measures

Performance measures

Return on common equity

We measure and evaluate the performance of our consolidated operations and each business segment using a number of financial metrics, such as net income and ROE. We use ROE, at both the consolidated and business segment levels, as a measure of return on total capital invested in our business. Management views the business segment ROE measure as a useful measure for supporting investment and resource allocation decisions because it adjusts for certain items that may affect comparability between business segments and certain competitors. ROE does not have a standardized meaning under GAAP and may not be comparable to similar measures disclosed by other financial institutions. For further details, refer to the Key performance and non-GAAP measures section of our 2018 Annual Report.

The following table provides a summary of our ROE calculations:

				For th	ne three month	s ended			
				January 31 2019				October 31 2018	January 31 2018
(Millions of Canadian dollars, except percentage amounts)	Personal & Commercial Banking	Wealth Management	Insurance	Investor & Treasury Services	Capital Markets	Corporate Support	Total	Total	Total
Net income available to common shareholders Total average common equity (1) (2)	\$ 1,546 23,050	\$ 583 14,050	\$ 164 1,900	\$ 157 3,600	\$ 630 23,150	\$ 16 7,800	\$ 3,096 73,550	\$ 3,176 71,700	\$ 2,929 66,850
ROE (3)	26.6%	16.4%	34.7%	17.3%	10.8%	n.m.	16.7%	17.6%	17.4%

- (1) Total average common equity represents rounded figures.
- (2) The amounts for the segments are referred to as attributed capital.
- (3) ROE is based on actual balances of average common equity before rounding.
- n.m. not meaningful

Non-GAAP measures

We believe that certain non-GAAP measures described below are more reflective of our ongoing operating results and provide readers with a better understanding of management's perspective on our performance. These measures enhance the comparability of our financial performance for the three months ended January 31, 2019 with the corresponding period in the prior year and the three months ended October 31, 2018, as well as, in the case of economic profit, measure relative contribution to shareholder value. Non-GAAP measures do not have a standardized meaning under GAAP and may not be comparable to similar measures disclosed by other financial institutions.

The following discussion describes the non-GAAP measures we use in evaluating our operating results.

Economic profit

Economic profit is net income excluding the after-tax effect of amortization of other intangibles less a capital charge for use of attributed capital. It measures the return generated by our businesses in excess of our cost of shareholders' equity, thus enabling users to identify relative contributions to shareholder value.

The capital charge includes a charge for common equity and preferred shares. For 2019, our cost of common equity remains unchanged at 8.5%.

The following table provides a summary of our Economic profit:

				For	the three mont	ths ended			
				January 31 2019				October 31 2018	January 31 2018
(Millions of Canadian dollars)	Personal & Commercial Banking	Weal Manageme		Investor & Treasury Services	Capital Markets	Corporate Support	Total	Total	Total
Net income add: Non-controlling interests After-tax effect of amortization	\$ 1,571 (2)	\$ 59	7 \$ 166 	\$ 161 -	\$ 653 -	\$ 24 -	\$ 3,172 (2)	\$ 3,250 (3)	\$ 3,012 (11)
of other intangibles	3	4	9 –	2	-	-	54	55	54
Adjusted net income (loss) less: Capital charge	\$ 1,572 516	\$ 64 31		\$ 163 81	\$ 653 519	\$ 24 176	\$ 3,224 1,649	\$ 3,302 1,607	\$ 3,055 1,505
Economic profit (loss)	\$ 1,056	\$ 33	1 \$ 124	\$ 82	\$ 134	\$ (152)	\$ 1,575	\$ 1,695	\$ 1,550

Results excluding specified item

• For the three months ended January 31, 2017, our share of a gain related to the sale by our payment processing joint venture Moneris of its U.S. operations to Vantiv, Inc., which was \$212 million (before- and after-tax) and recorded in Canadian Banking.

There were no specified items for the three months ended January 31, 2019, October 31, 2018 and January 31, 2018.

The following table provides calculations of our Canadian Banking results and measures excluding the specified item for the three months ended January 31, 2017 for the purpose of calculating adjusted operating leverage which is a non-GAAP measure:

Canadian Banking

		For	the thre	ee months en	ided	
				nuary 31 2017		
			Item	excluded		
(Millions of Canadian dollars, except percentage amounts)		As reported	to t	nin related he sale by Ioneris (1)		Adjusted
Total revenue	\$	3,824	\$	(212)	\$	3,612
PCL		250		_		250
Non-interest expense		1,560		_		1,560
Net income before income taxes	\$	2,014	\$	(212)	\$	1,802
Net income	\$	1,546	\$	(212)	\$	1,334
Other information						
Non-interest expense	\$	1,560	\$	_	\$	1,560
Total revenue		3,824		(212)		3,612
Efficiency ratio		40.8%				43.2%
Revenue growth rate	·	10.4%				4.3%
Non-interest expense growth rate		1.5%				1.5%
Operating leverage		8.9%				2.8%

⁽¹⁾ Includes foreign currency translation.

Efficiency ratio excluding the change in fair value of investments in Insurance

Our efficiency ratio is impacted by the change in fair value of investments backing our policyholder liabilities, which is reported in revenue and largely offset in PBCAE.

The following table provides calculations of our consolidated efficiency ratio excluding the change in fair value of investments backing our policyholder liabilities:

				Fo	or the three months ended	I				
	January 31 2019				October 31 201 8		January 31 2018			
	Item excluded			Item excluded				Item excluded		
(Millions of Canadian dollars, except percentage amounts)	As reported	Change in fair value of investments backing policyholder liabilities	Adjusted	As reported	Change in fair value of investments backing policyholder liabilities	Adjusted	As reported	Change in fair value of investments backing policyholder liabilities	Adjusted	
Total revenue Non-interest expense	\$ 11,589 5,912	\$ (247) -	\$ 11,342 5,912	\$ 10,669 5,882	\$ 342 -	\$ 11,011 5,882	\$ 10,828 5,611	\$ (26) -	\$ 10,802 5,611	
Efficiency ratio	51.0%		52.1%	55.1%		53.4%	51.8%		51.9%	

Personal & Commercial Banking

		As at o	r for th	ne three months	ende	d
		January 31		October 31		January 31
(Millions of Canadian dollars, except percentage amounts and as otherwise noted)		2019		2018		2018
Net interest income	\$	3,134	\$	3,067	\$	2,856
Non-interest income		1,284	ı .	1,297		1,309
Total revenue		4,418		4,364		4,165
PCL on performing assets		35		25		41
PCL on impaired assets		313		292		276
PCL		348		317		317
Non-interest expense		1,915		1,987		1,801
Income before income taxes		2,155		2,060		2,047
Net income	\$	1,571	\$	1,538	\$	1,521
Revenue by business						
Canadian Banking	\$	4,170	\$	4,132	\$	3,927
Caribbean & U.S. Banking	_	248	1	232	•	238
Selected balance sheet and other information						
ROE		26.6%		26.7%		28.6%
NIM		2.84%		2.82%		2.73%
Efficiency ratio		43.3%		45.5%		43.2%
Operating leverage		(0.2)%		2.5%		0.4%
Effective income tax rate		27.1%		25.3%		25.7%
Average total earning assets, net	Ś	437,100	\$	431,500	\$	415,600
Average loans and acceptances, net	•	438,100	'	432,200	•	416,000
Average deposits		382,200		368,700		357,000
AUA (1)		268,500		266,500		270,800
Average AUA		264,000		274,900		268,500
PCL on impaired loans as a % of average net loans and acceptances		0.28%		0.25%		0.26%
Other selected information – Canadian Banking						
Net income	\$	1,544	\$	1,463	\$	1,480
NIM		2.79%		2.77%		2.68%
Efficiency ratio		41.6%		43.8%		41.5%
Operating leverage		(0.2)%		2.3%		(1.7)%
Operating leverage adjusted (2)		n.a.		n.a.		4.3%
Effective income tax rate		26.3%		25.8%		25.9%

- (1) AUA represents period-end spot balances and includes securitized residential mortgages and credit card loans as at January 31, 2019 of \$16.6 billion and \$8.5 billion, respectively (October 31, 2018 \$16.7 billion and \$9.6 billion; January 31, 2018 \$18.2 billion and \$9.1 billion).
- (2) This is a non-GAAP measure. Q1 2018 operating leverage of (1.7)% in Canadian Banking was impacted by our share of the gain related to the sale of the U.S. operations of Moneris of \$212 million (before- and after-tax) in Q1 2017, which was a specified item. For further details, including a reconciliation, refer to the Key performance and non-GAAP measures section. Q1 2018 revenue and expense growth rates in Canadian Banking were 2.7% and 4.4%, respectively. Excluding our share of the gain as noted above, Q1 2018 adjusted revenue growth rate was 8.7%.

n.a. not applicable

Financial performance Q1 2019 vs. Q1 2018

Net income increased \$50 million or 3% from last year, mainly due to volume growth and higher spreads. These factors were partially offset by higher staff and technology related costs, higher PCL and a gain relating to the reorganization of Interac in the prior year. The current year also included a write-down of deferred tax assets resulting from a change in the corporate tax rate in Barbados.

Total revenue increased \$253 million or 6%.

Canadian Banking revenue increased \$243 million or 6% compared to last year, largely reflecting average volume growth of 5% in loans and 7% in deposits and improved spreads. These factors were partially offset by a gain relating to the reorganization of Interac in the prior year.

Caribbean & U.S. Banking revenue increased \$10 million or 4% compared to last year, due to the impact of foreign exchange translation.

Net interest margin was up 11 bps, mainly due to improved spreads on deposits in Canadian Banking, reflecting higher interest rates, partially offset by the impact of competitive pricing pressures.

PCL increased \$31 million or 10%, driving an increase of 2 bps on the PCL on impaired loans ratio. For further details, refer to Credit quality performance in the Credit risk section.

Non-interest expense increased \$114 million or 6%, primarily attributable to higher staff-related costs, an increase in technology and related costs, including digital initiatives, and higher marketing costs.

Q1 2019 vs. Q4 2018

Net income increased \$33 million or 2% from last quarter, reflecting volume growth, lower marketing costs, and lower professional fees. These factors were partially offset by higher staff-related costs and an increase in PCL. The current year also included a write-down of deferred tax assets resulting from a change in the corporate tax rate in Barbados.

Total revenue increased \$54 million or 1% from last quarter, mainly driven by average volume growth of 1% in loans and 4% in deposits in Canadian Banking and higher purchase volumes resulting in higher card service revenue. These factors were partially offset by lower average balances driving lower mutual fund distribution fees.

Net interest margin was up 2 bps largely due to improved spreads on deposits in Canadian Banking, partially offset by the impact of competitive pricing pressures.

PCL increased \$31 million or 10%, mainly due to higher PCL on impaired loans, partially offset by provisions taken in the prior quarter on the restructuring of Barbados securities. PCL on impaired loans ratio increased 3 bps. For further details, refer to Credit quality performance in the Credit risk section.

Non-interest expense decreased \$72 million or 4%, largely reflecting seasonally lower marketing costs, and lower professional fees. These factors were partially offset by higher staff-related costs.

Wealth Management

	As at	or for th	ne three months	ended	
	January 31		October 31		January 31
(Millions of Canadian dollars, except number of and percentage amounts and as otherwise noted)	2019		2018		2018
Net interest income	\$ 744	\$	679	\$	612
Non-interest income					
Fee-based revenue	1,714		1,662		1,589
Transaction and other revenue	490		399		582
Total revenue	2,948		2,740		2,783
PCL on performing assets	15		(3)		(7)
PCL on impaired assets	11		7		5
PCL	26		4		(2)
Non-interest expense	2,164		2,061		2,011
Income before income taxes	758		675		774
Net income	\$ 597	\$	553	\$	597
Revenue by business					
Canadian Wealth Management	\$ 842	\$	796	\$	749
U.S. Wealth Management (including City National)	1,471		1,345		1,384
U.S. Wealth Management (including City National) (US\$ millions)	1,103		1,031		1,100
Global Asset Management	543		513		556
International Wealth Management	92		86		94
Selected balance sheet and other information					
ROE	16.4%		15.9%		17.3%
NIM	3.67%		3.49%		3.27%
Pre-tax margin (1)	25.7%		24.6%		27.8%
Number of advisors (2)	5,119		5,042		4,901
Average total earning assets, net	\$ 80,500	\$	77,100	\$	74,300
Average loans and acceptances, net	61,200		57,800		52,500
Average deposits	94,300		91,800		92,600
AUA (3)	981,400		970,500		938,800
U.S. Wealth Management (including City National) (3)	496,500		483,000		453,000
U.S. Wealth Management (including City National) (US\$ millions) (3)	378,000		367,100		368,100
AUM (3)	682,000		664,900		651,000
Average AUA	986,800		988,900		938,600
Average AUM (4)	675,100		679,900		648,400
PCL on impaired loans as a % of average net loans and acceptances	0.07%		0.04%		0.04%

Fortr	ie three	months ended	
~ .		Q1 20 Q4	19 vs. 2018
\$	83	\$	36
	2		1
	64		28
	14		6
	(6)%	((2)%
	1%		(2)%
	-%	((1)%
	Q1 20 Q1 \$	\$ 83 2 64 14 (6)%	\$ 83 \$ 2 64 14 (6)% 1%

- (1) Pre-tax margin is defined as Income before income taxes divided by Total revenue.
- (2) Represents client-facing advisors across all our Wealth Management businesses.
- (3) Represents period-end spot balances.
- (4) Amounts have been revised from those previously presented.

Royal Bank of Canada

First Quarter 2019

Financial performance Q1 2019 vs. Q1 2018

Net income remained unchanged from a year ago as higher net interest income and an increase in average fee-based client assets were offset by higher costs related to business growth, increases in PCL and regulatory costs, and lower transaction volumes. A favourable accounting adjustment related to Canadian Wealth Management in the current period was largely offset by the impact of a favourable accounting adjustment related to City National in the prior period.

Total revenue increased \$165 million or 6%.

Canadian Wealth Management revenue increased \$93 million or 12%, primarily due to a favourable accounting adjustment, higher average fee-based client assets reflecting net sales despite challenging market conditions, and an increase in net interest income attributable to higher interest rates. These factors were partially offset by lower transaction volumes.

U.S. Wealth Management (including City National) revenue increased \$87 million or 6%. In U.S. dollars, revenue remained relatively unchanged from the prior year. An increase in net interest income due to volume growth and higher interest rates, and higher average fee-based client assets reflecting net sales despite challenging market conditions, were offset by the change in the fair value of the hedges related to our U.S. share-based compensation plans, which was largely offset in non-interest expense, a favourable accounting adjustment related to City National in the prior period, and lower transaction volumes.

Global Asset Management revenue decreased \$13 million or 2%, reflecting challenging market conditions in the current quarter that resulted in lower performance fees.

PCL increased \$28 million, largely reflecting an increase in PCL on performing assets in U.S. Wealth Management (including City National), primarily driven by unfavourable changes in certain near-term macroeconomic variables. PCL on impaired loans ratio increased 3 bps. For further details, refer to Credit quality performance in the Credit risk section.

Non-interest expense increased \$153 million or 8%, mainly due to the impact of foreign exchange translation, and increased costs in support of business growth largely reflecting higher staff-related costs. Higher variable compensation, including the impact of the accounting adjustment in Canadian Wealth Management, and higher regulatory costs also contributed to the increase. These factors were partially offset by the change in the fair value of our U.S. share-based compensation plans, which was largely offset in revenue.

Q1 2019 vs. Q4 2018

Net income increased \$44 million or 8%, primarily reflecting an increase in net interest income, a favourable accounting adjustment related to Canadian Wealth Management in the current period, and the change in fair value of seed capital investments. These factors were partially offset by higher costs in support of business growth, and lower fee-based revenue resulting from challenging market conditions throughout the earlier part of Q1 2019.

Total revenue increased \$208 million or 8%, mainly due to the impact of a favourable accounting adjustment related to Canadian Wealth Management, the change in the fair value of the hedges related to our U.S. share-based compensation plans, which was largely offset in non-interest expense, and higher net interest income due to volume growth and higher interest rates. The impact of foreign exchange translation and the change in fair value of seed capital investments also contributed to the increase. These factors were partially offset by lower fee-based revenue resulting from challenging market conditions throughout the earlier part of Q1 2019.

PCL increased \$22 million, primarily reflecting higher PCL on performing assets in U.S. Wealth Management (including City National), driven by unfavourable changes in certain near-term macroeconomic variables. PCL on impaired loans ratio increased 3 bps. For further details, refer to Credit quality performance in the Credit risk section.

Non-interest expense increased \$103 million or 5%, primarily reflecting increased costs in support of business growth mainly due to higher staff-related costs, the change in the fair value of our U.S. share-based compensation plans, which was largely offset in revenue, and the impact of foreign exchange translation. Higher variable compensation due to an accounting adjustment in Canadian Wealth Management also contributed to the increase.

Insurance

		As at or	for the	three month	s end	ed
	J	January 31	(October 31		January 31
(Millions of Canadian dollars, except percentage amounts and as otherwise noted)		2019		2018		2018
Non-interest income						
Net earned premiums	\$	1,162	\$	1,222	\$	939
Investment income (1)		381		(230)		166
Fee income		36		47		39
Total revenue		1,579		1,039		1,144
Insurance policyholder benefits and claims (1)		1,129		416		768
Insurance policyholder acquisition expense		96		78		68
Non-interest expense		154		159		142
Income before income taxes		200		386		166
Net income	\$	166	\$	318	\$	127
Revenue by business						
Canadian Insurance	\$	1,039	\$	536	\$	621
International Insurance		540		503		523
Selected balances and other information				•		
ROE		34.7%		57.2%		28.2%
Premiums and deposits (2)	\$	1,314	\$	1,374	\$	1,095
Fair value changes on investments backing policyholder liabilities (1)		247		(342)		26

Investment income can experience volatility arising from fluctuation of assets designated as fair value through profit and loss (FVTPL). The investments which support actuarial liabilities are predominantly fixed income assets designated as FVTPL. Consequently, changes in the fair values of these assets are recorded in the Consolidated Statements of Income and are largely offset by changes in the fair value of the actuarial liabilities, the impact of which is reflected in Insurance policyholder benefits, claims and acquisition expense.

Financial performance Q1 2019 vs. Q1 2018

Net income increased \$39 million or 31% from a year ago, primarily reflecting favourable life retrocession contract renegotiations and lower claims costs.

Total revenue increased \$435 million or 38%.

Canadian Insurance revenue increased \$418 million or 67%, mainly due to the change in fair value of investments backing our policyholder liabilities and higher group annuity sales, both of which are largely offset in PBCAE, as indicated below.

International Insurance revenue increased \$17 million or 3%, mainly due to business growth in longevity reinsurance, and favourable life retrocession contract renegotiations. These factors were partially offset by the change in fair value of investments backing our policyholder liabilities, which is largely offset in PBCAE, as indicated below.

PBCAE increased \$389 million or 47%, primarily due to the change in fair value of investments backing our policyholder liabilities, and business growth. These factors were partially offset by favourable life retrocession contract renegotiations, and lower claims costs mainly due to lower claims volumes in our life retrocession and international life portfolios.

Non-interest expense increased \$12 million or 8%, largely reflecting higher regulatory costs and an increase in costs to support sales and client service activities.

Q1 2019 vs. Q4 2018

Net income decreased \$152 million or 48%, as the prior period included annual actuarial assumption updates, higher favourable investment-related experience, and higher favourable life retrocession contract renegotiations.

Total revenue increased \$540 million or 52%, mainly reflecting the change in fair value of investments backing our policyholder liabilities, which is largely offset in PBCAE, as indicated below, and business growth in both Canadian and International Insurance. These factors were partially offset by lower group annuity sales, which is largely offset in PBCAE, as indicated below.

PBCAE increased \$731 million, mainly due to the change in fair value of investments backing our policyholder liabilities, business growth, and lower favourable investment-related experience. The prior guarter included favourable annual actuarial assumption updates and higher favourable life retrocession contract renegotiations. These factors were partially offset by lower group annuity sales.

Non-interest expense decreased \$5 million or 3%, mainly reflecting lower staff and marketing-related costs.

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

Investor & Treasury Services

	As at o	r for t	he three month:	s ende	ed
(Millions of Canadian dollars, except percentage amounts and as otherwise noted)	January 31 2019		October 31 2018		January 31 2018
Net interest income	\$ (31)	\$	19	\$	128
Non-interest income	662		605		548
Total revenue	631		624		676
Non-interest expense	418		421		389
Net income before income taxes	213		203		287
Net income	\$ 161	\$	155	\$	219
Selected balance sheet and other information					
ROE	17.3%		19.2%		26.9%
Average deposits	\$ 171,900	\$	163,600	\$	155,300
Average client deposits	59,200		59,200		56,900
Average wholesale funding deposits	112,700		104,400		98,400
AUA (1)	4,100,900	4	4,283,100	4	,431,800
Average AUA	4,191,300	4	4,295,200	4	,439,300

⁽¹⁾ Represents period-end spot balances.

Q1 2019 vs. Q1 2018

Net income decreased \$58 million or 26%, primarily due to lower funding and liquidity revenue, higher costs in support of business growth, and lower revenue from our asset services business. These factors were partially offset by improved client deposit margins.

Total revenue decreased \$45 million or 7%, mainly due to lower funding and liquidity revenue driven by gains from the disposition of certain securities in the prior year and the impact of reduced money market opportunities in the current year. Lower revenue from our asset services business due to challenging market conditions and lower client activity also contributed to the decrease. These factors were partially offset by improved client deposit margins.

Non-interest expense increased \$29 million or 7%, largely driven by higher costs in support of business growth mainly reflecting staff-related costs and increased investment in technology initiatives, as well as higher regulatory costs.

Q1 2019 vs. Q4 2018

Net income increased \$6 million or 4%, primarily due to higher funding and liquidity revenue, lower technology costs, and improved client deposit margins. These factors were partially offset by annual regulatory costs.

Total revenue increased \$7 million or 1%, mainly due to higher funding and liquidity revenue driven by capitalizing on money market opportunities in the quarter and improved client deposit margins. These factors were partially offset by gains from the disposition of certain securities in the prior quarter.

Non-interest expense decreased \$3 million or 1%, largely driven by lower technology costs and decreased staff-related costs, partially offset by annual regulatory costs in the current period.

Capital Markets

		As at	or for t	he three months	ended	
(Millions of Canadian dollars, except percentage amounts and as otherwise noted)		January 31 2019		October 31 2018		January 31 2018
Net interest income (1)	Ś	1,006	\$	947	\$	866
Non-interest income (1)	•	1,092	•	1,109	•	1,309
Total revenue (1)		2,098		2,056		2,175
PCL on performing assets		38		17		(25)
PCL on impaired assets		102		15		45
PCL		140		32		20
Non-interest expense		1,230		1,244		1,214
Net income before income taxes		728		780		941
Net income	\$	653	\$	666	\$	748
Revenue by business						
Corporate and Investment Banking	\$	927	\$	1,087	\$	994
Global Markets		1,227		1,035		1,221
Other		(56)		(66)		(40)
Selected balance sheet and other information						
ROE		10.8%		11.8%		14.7%
Average total assets	\$	643,700	\$	591,700	\$	570,200
Average trading securities		102,100		88,000		100,800
Average loans and acceptances, net		98,400		90,700		81,400
Average deposits		79,000		74,600		64,900
PCL on impaired loans as a % of average net loans and acceptances		0.41%		0.07%		0.22%

	For the three mo	onths ended
Estimated impact of U.S. dollar, British pound and Euro translation on key income statement items (Millions of Canadian dollars, except percentage amounts and as otherwise noted)	Q1 2019 vs. Q1 2018	Q1 2019 vs. Q4 2018
Increase (decrease):		
Total revenue	\$ 80	\$ 36
Non-interest expense	38	20
Net income	30	13
Percentage change in average U.S. dollar equivalent of C\$1.00	(6)%	(2)%
Percentage change in average British pound equivalent of C\$1.00	1%	(2)%
Percentage change in average Euro equivalent of C\$1.00	-%	(1)%

⁽¹⁾ The taxable equivalent basis (teb) adjustment for the three months ended January 31, 2019 was \$107 million (October 31, 2018 – \$142 million; January 31, 2018 – \$92 million). For further discussion, refer to the How we measure and report our business segments section of our 2018 Annual Report.

Q1 2019 vs. Q1 2018

Net income decreased \$95 million or 13%, primarily due to higher PCL and lower revenue in Corporate and Investment Banking. These factors were partially offset by a lower effective tax rate reflecting changes in earnings mix and the impact of foreign exchange translation.

Total revenue decreased \$77 million or 4%.

Corporate and Investment Banking revenue decreased \$67 million or 7%, mainly driven by lower equity and debt origination primarily in North America due to challenging market conditions and lower issuance activity. These factors were partially offset by the impact of foreign exchange translation and higher lending revenue.

Global Markets revenue remained relatively flat. Higher equity trading revenue largely in the U.S. and the impact of foreign exchange translation were largely offset by lower fixed income trading revenue across all regions and lower equity and debt origination, primarily in North America, due to challenging market conditions throughout the earlier part of Q1 2019 driving lower client activity.

Other revenue decreased \$16 million largely reflecting gains in our legacy U.S. portfolios in the prior year.

PCL increased \$120 million, mainly due to higher PCL on performing assets, primarily driven by unfavourable changes in certain near-term macroeconomic variables. Higher PCL on impaired loans also contributed to the increase with the PCL on impaired loans ratio increasing 19 bps, primarily due to a provision taken on one account in the utilities sector. For further details, refer to Credit quality performance in the Credit risk section.

Non-interest expense increased \$16 million or 1%, mainly due to the impact of foreign exchange translation and increased technology and related costs. These factors were partially offset by lower compensation on decreased results.

Q1 2019 vs. Q4 2018

Net income decreased \$13 million or 2%, primarily due to lower revenue in Corporate and Investment Banking and higher PCL. These factors were partially offset by higher revenue in Global Markets and a lower effective tax rate reflecting changes in earnings mix.

Total revenue increased \$42 million or 2%, mainly due to higher equity, fixed income and foreign exchange trading revenue. The impact of foreign exchange translation also contributed to the increase. These factors were partially offset by lower debt and equity origination, primarily in North America due to challenging market conditions throughout the earlier part of Q1 2019, decreased loan syndication activity primarily in North America and lower municipal banking activity.

PCL increased \$108 million, primarily due to higher PCL on impaired loans. PCL on impaired loans ratio increased 34 bps, primarily due to a provision taken on one account in the utilities sector. For further details, refer to Credit quality performance in the Credit risk section.

Non-interest expense decreased \$14 million or 1%, mainly due to lower compensation and decreased regulatory and technology costs, partially offset by the impact of foreign exchange translation.

Corporate Support

		For t	the thr	ee months en	ded	
	Ja	anuary 31		October 31		January 31
(Millions of Canadian dollars)		2019		2018		2018
Net interest income (loss) (1)	\$	31	\$	17	\$	(17)
Non-interest income (loss) (1)		(116)		(171)		(98)
Total revenue (1)		(85)		(154)		(115)
PCL		-		_		(1)
Non-interest expense		31		10		54
Net income (loss) before income taxes (1)		(116)		(164)		(168)
Income taxes (recoveries) (1)		(140)		(184)		32
Net income (loss) (2)	\$	24	\$	20	\$	(200)

Teb adjusted.

Due to the nature of activities and consolidation adjustments reported in this segment, we believe that a comparative period analysis is not relevant. The following identifies material items affecting the reported results in each period.

Total revenue and income taxes (recoveries) in each period in Corporate Support include the deduction of the teb adjustments related to the gross-up of income from Canadian taxable corporate dividends and the U.S. tax credit investment business recorded in Capital Markets. The amount deducted from revenue was offset by an equivalent increase in income taxes (recoveries).

The teb amount for the three months ended January 31, 2019 was \$107 million, as compared to \$142 million in the prior quarter and \$92 million last year.

The following identifies the material items, other than the teb impacts noted previously, affecting the reported results in each period.

Q1 2019

Net income was \$24 million, largely reflecting net favourable tax adjustments.

Net income was \$20 million, largely reflecting net favourable tax adjustments.

Q1 2018

Net loss was \$200 million, largely due to the impact of the U.S. Tax Reform of \$178 million which was primarily related to the write-down of net deferred tax assets.

Net income reflects income attributable to both shareholders and Non-Controlling Interests (NCI). Net income attributable to NCI for the three months ended January 31, 2019 was \$nil (October 31, 2018 - \$(1) million; January 31, 2018 - \$9 million).

Quarterly results and trend analysis

Our quarterly results are impacted by a number of trends and recurring factors, which include seasonality of certain businesses, general economic and market conditions, and fluctuations in the Canadian dollar relative to other currencies. The following table summarizes our results for the last eight quarters (the period):

Quarterly results (1)

	2019		20	18				2017	
(Millions of Canadian dollars, except per share and percentage amounts)	Q1	Q4	Q3		Q2	Q1	Q4	Q3	Q2
Personal & Commercial Banking	\$ 4,418	\$ 4,364	\$ 4,284	\$	4,103	\$ 4,165	\$ 4,019	\$ 3,970	\$ 3,798
Wealth Management	2,948	2,740	2,798		2,605	2,783	2,562	2,547	2,481
Insurance	1,579	1,039	1,290		806	1,144	1,612	1,009	1,448
Investor & Treasury Services	631	624	620		671	676	602	594	608
Capital Markets (2)	2,098	2,056	2,157		2,010	2,175	1,954	2,040	2,117
Corporate Support (2)	(85)	(154)	(124)		(141)	(115)	(226)	(72)	(40)
Total revenue	\$ 11,589	\$ 10,669	\$ 11,025	\$	10,054	\$ 10,828	\$ 10,523	\$ 10,088	\$ 10,412
PCL (3)	514	353	346		274	334	234	320	302
PBCAE	1,225	494	925		421	836	1,137	643	1,090
Non-interest expense	5,912	5,882	5,858		5,482	5,611	5,611	5,537	5,331
Net income before income taxes	\$ 3,938	\$ 3,940	\$ 3,896	\$	3,877	\$ 4,047	\$ 3,541	\$ 3,588	\$ 3,689
Income taxes	766	690	787		817	1,035	704	792	880
Net income	\$ 3,172	\$ 3,250	\$ 3,109	\$	3,060	\$ 3,012	\$ 2,837	\$ 2,796	\$ 2,809
EPS – basic	\$ 2.15	\$ 2.21	\$ 2.10	\$	2.06	\$ 2.02	\$ 1.89	\$ 1.86	\$ 1.86
– diluted	2.15	2.20	2.10		2.06	2.01	1.88	1.85	1.85
Segments – net income (loss)									
Personal & Commercial Banking	\$ 1,571	\$ 1,538	\$ 1,510	\$	1,459	\$ 1,521	\$ 1,404	\$ 1,399	\$ 1,360
Wealth Management	597	553	578		537	597	491	486	431
Insurance	166	318	158		172	127	265	161	166
Investor & Treasury Services	161	155	155		212	219	156	178	193
Capital Markets	653	666	698		665	748	584	611	668
Corporate Support	24	20	10		15	(200)	(63)	(39)	(9)
Net income	\$ 3,172	\$ 3,250	\$ 3,109	\$	3,060	\$ 3,012	\$ 2,837	\$ 2,796	\$ 2,809
Effective income tax rate	19.5%	17.5%	20.2%		21.1%	25.6%	19.9%	22.1%	23.9%
Period average US\$ equivalent of C\$1.00	\$ 0.749	\$ 0.767	\$ 0.767	\$	0.778	\$ 0.794	\$ 0.792	\$ 0.770	\$ 0.746

- Fluctuations in the Canadian dollar relative to other foreign currencies have affected our consolidated results over the period.
- Teb adjusted. For further discussion, refer to the How we measure and report our business segments section of our 2018 Annual Report.
- Effective November 1, 2017, we adopted IFRS 9, Financial Instruments. Under IFRS 9, PCL relates primarily to loans, acceptances, and commitments, and also applies to all financial assets except for those classified or designated as FVTPL and equity securities designated as fair value through other comprehensive income (FVOCI). Prior to the adoption of IFRS 9, PCL related only to loans, acceptances, and commitments. PCL on loans, acceptances, and commitments is comprised of PCL on impaired loans (Stage 3 PCL under IFRS 9 and PCL on impaired loans under IAS 39) and PCL on performing loans (Stage 1 and Stage 2 PCL under IFRS 9 and PCL on loans not yet identified as impaired under IAS 39).

Seasonality

Seasonal factors may impact our results in certain guarters. The first guarter has historically been stronger for our Capital Markets businesses. The second quarter has fewer days than the other quarters, which generally results in a decrease in net interest income and certain expense items. The third and fourth quarters include the summer months which results in lower client activity and may negatively impact the results of our Capital Markets' brokerage business and our Wealth Management's investment management business.

Trend analysis

Earnings have generally trended upward over the period. However, results in the first quarter of 2019 were impacted by challenging market conditions throughout the earlier part of the quarter. Quarterly earnings are also affected by foreign currency translation.

Personal & Commercial Banking revenue has benefitted from solid volume growth, higher spreads since the latter half of 2017, and higher fee-based revenue.

Wealth Management revenue has generally trended upwards primarily due to growth in average fee-based client assets which benefitted from net sales and market appreciation, and the impact of higher interest rates and volume growth driving higher net interest income since the first half of 2017. The change in the fair value of the hedges related to our U.S. share-based compensation plans, which is largely offset in Non-interest expense, also contributed to fluctuations in revenue over the period.

Insurance revenue fluctuated over the period, primarily due to the impact of changes in the fair value of investments backing our policyholder liabilities. Since 2017, revenues have generally benefitted from the impact of new group annuity and restructured international life contracts, which are largely offset in PBCAE. We have also benefitted from business growth in Canadian and International Insurance throughout 2018 and the first guarter of 2019.

Investor & Treasury Services revenue is impacted by fluctuations in market conditions and client activity. Revenue generally remained stable throughout the period, with the first half of 2018 trending higher due to generally higher market volatility, growth in client deposits, and increased client activity from our asset services business, combined with an increase in funding & liquidity performance, generally experienced in the first quarter of each year, driven by higher spreads and money market opportunities.

Capital Markets revenue is influenced, to a large extent, by market conditions and activity in the fixed income and equity trading business, with the first quarter results generally stronger than the remaining quarters. The second quarter of 2018 experienced lower equity originations driven by lower market activity, decreased fixed income trading across all regions, and lower equity trading revenue in the U.S. The decline experienced in the fourth quarter of 2018 largely resulted from lower fixed income trading revenue, primarily in North America. The first quarter of 2019 experienced higher equity and fixed income trading revenue, which was partially offset by lower debt and equity origination primarily in North America.

PCL saw a general improvement in 2017 due to lower provisions and higher recoveries in our Capital Markets and Canadian Banking portfolios and lower provisions on impaired assets for the majority of 2018. On November 1, 2017, we adopted IFRS 9, which resulted in the introduction of PCL on performing financial assets. PCL on performing assets has fluctuated over the period as it is impacted by macroeconomic conditions and volume growth. The fourth quarter of 2018 was also impacted by the restructuring of portfolios in Barbados. The first quarter of 2019 was impacted by a higher provision for impaired loans in Capital Markets taken on one account.

PBCAE has fluctuated quarterly as it includes the changes to the fair value of investments backing our policyholder liabilities, the impact of group annuity sales and restructured international life contracts, all of which are largely offset in Revenue. PBCAE has also increased due to business growth, and has been impacted by investment-related experience, and claims volumes over the period. The results are impacted by actuarial adjustments, which generally occur in the fourth quarter of each year.

While we continue to focus on efficiency management activities, Non-interest expense has generally trended upwards over the period. Growth in Non-interest expense over the period mainly reflects higher costs in support of business growth and our ongoing investments in technology and related costs, including digital initiatives. The increase in Non-interest expense in 2017 and 2018 mainly reflected higher variable compensation on improved results in Wealth Management and Capital Markets. The third quarter of 2017 was also impacted by higher severance costs. Fiscal 2018 was impacted by higher regulatory costs, and the decrease over the second and fourth quarter of 2018 mainly reflects the change in the fair value of our U.S. share-based compensation plans, which was largely offset in Revenue. The increase in the first quarter of 2019 also reflected the impact of foreign exchange translation and the change in the fair value of our U.S. share-based compensation plans, which was largely offset in Revenue, partially offset by seasonally lower marketing costs and lower professional fees.

Our effective income tax rate has fluctuated over the period, mostly due to varying levels of income reported in jurisdictions with different tax rates, as well as fluctuating levels of income from tax-advantaged sources and various levels of tax adjustments. The first quarter of 2018 was adversely impacted by the U.S. Tax Reform, which resulted in the write-down of net deferred tax assets, however, this was more than offset during 2018 by the ongoing lower corporate tax rate. Our effective income tax rate has generally been impacted over the period by net favourable tax adjustments and changes to the earnings mix.

Financial condition

Condensed balance sheets

	As	at	
	January 31		October 31
(Millions of Canadian dollars)	2019		2018
Assets			
Cash and due from banks	\$ 40,033	\$	30,209
Interest-bearing deposits with banks	38,653		36,471
Securities, net of applicable allowance (1)	235,832		222,866
Assets purchased under reverse repurchase agreements and securities borrowed	297,660		294,602
Loans			
Retail	401,767		399,452
Wholesale	191,114		180,278
Allowance for loan losses	(3,061)		(2,912)
Other – Derivatives	84,816		94,039
– Other (2)	79,393		79,729
Total assets	\$ 1,366,207	\$	1,334,734
Liabilities			
Deposits	\$ 852,564	\$	837,046
Other – Derivatives	81,766		90,238
– Other (2)	341,972		318,364
Subordinated debentures	9,255		9,131
Total liabilities	1,285,557		1,254,779
Equity attributable to shareholders	80,553		79,861
Non-controlling interests	97		94
Total equity	80,650		79,955
Total liabilities and equity	\$ 1,366,207	\$	1,334,734

- Securities are comprised of Trading and Investment securities.
- (2) Other Other assets and liabilities include Segregated fund net assets and liabilities, respectively.

Q1 2019 vs. Q4 2018

Total assets increased \$31 billion or 2% from last quarter. Foreign exchange translation decreased total assets by \$6 billion.

Cash and due from banks was up \$10 billion, mainly due to higher deposits with central banks, reflecting short-term cash management activities.

Interest-bearing deposits with banks increased \$2 billion or 6%, primarily due to higher deposits with central banks, reflecting our cash management activities.

Securities, net of applicable allowance, were up \$13 billion or 6%, largely due to higher government debt trading securities.

Assets purchased under reverse repurchase agreements (reverse repos) and securities borrowed increased \$3 billion or 1%, mainly attributable to increased client activities, partially offset by higher financial netting.

Loans were up \$13 billion or 2%, largely due to volume growth, which led to higher wholesale loans and residential mortgages. Derivative assets were down \$9 billion or 10%, primarily attributable to the impact of foreign exchange translation on foreign exchange contracts.

Total liabilities increased \$31 billion or 2%. Foreign exchange translation decreased total liabilities by \$6 billion.

Deposits increased \$16 billion or 2%, mainly as a result of higher retail deposits, driven by increased client activity and higher issuances of fixed-term notes due to funding requirements.

Derivative liabilities were down \$8 billion or 9%, primarily attributable to the impact of foreign exchange translation on foreign exchange contracts.

Other liabilities increased \$24 billion or 7%, mainly attributable to higher obligations related to repurchase agreements due to increased client activities and funding requirements, partially offset by higher financial netting.

Total equity increased \$1 billion or 1%.

Off-balance sheet arrangements

In the normal course of business, we engage in a variety of financial transactions that, for accounting purposes, are not recorded on our Consolidated Balance Sheets. Off-balance sheet transactions are generally undertaken for risk, capital and funding management purposes which benefit us and our clients. These include transactions with structured entities and may also include the issuance of guarantees. These transactions give rise to, among other risks, varying degrees of market, credit, and liquidity and funding risk, which are discussed in the Risk management section of this Q1 2019 Report to Shareholders. Our significant off-balance sheet transactions include those described on pages 47 to 49 of our 2018 Annual Report.

Risk management

Credit risk

Credit risk exposure by portfolio, sector and geography

The following table presents our credit risk exposures under the Basel regulatory defined classes and reflects exposures at default (EAD). The classification of our sectors aligns with our view of credit risk by industry. Beginning in Q1 2019 we have prospectively implemented the standardized approach for measuring counterparty credit risk (SA-CCR) under the Capital Adequacy Requirements (CAR) guidelines which primarily impacted on-balance sheet cash collateral and derivatives exposures.

							As at					
						ary 31						October 31
					20	19						2018 (1)
		Cre	edit risk				Counterparty	credit	risk (2)			
	On-balance sheet	0	ff-balance she	et an	nount (3)	R	Repo-style			Total		Total
(Millions of Canadian dollars)	amount		Undrawn		Other (4)	tra	ansactions	De	erivatives	exposure		exposure
Retail												
Residential secured (5)	\$ 300,348	\$	61,224	\$	-	\$	-	\$	_	\$ 361,572	\$	358,395
Qualifying revolving (6)	25,025		70,202		-		-		_	95,227		89,840
Other retail	55,704		14,084		71		-		-	69,859		66,915
Total retail	\$ 381,077	\$	145,510	\$	71	\$	-	\$	_	\$ 526,658	\$	515,150
Wholesale												-
Agriculture	\$ 8,799	\$	1,723	\$	39	\$	_	\$	64	\$ 10,625	\$	10,358
Automotive	9,898		7,053		359		_		1,215	18,525		16,220
Banking	40,633		1,788		531		51,701		19,528	114,181		128,858
Consumer discretionary	16,770		7,810		611		_		522	25,713		24,592
Consumer staples	5,174		6,490		513		-		1,036	13,213		12,167
Oil & gas	6,868		10,784		1,440		-		1,370	20,462		20,090
Financial services	24,140		22,173		2,903		109,330		15,998	174,544		191,133
Financing products	1,351		1,389		358		167		1,017	4,282		3,214
Forest products	1,455		743		89		-		40	2,327		2,185
Governments	119,675		5,962		1,514		8,638		6,711	142,500		136,214
Industrial products	6,976		7,803		694		-		719	16,192		17,111
Information technology	6,387		5,948		191		-		4,031	16,557		12,155
Investments	15,870		1,046		389		13		176	17,494		17,670
Mining & metals	1,537		4,130		914		-		158	6,739		6,473
Public works & infrastructure	1,932		1,799		424		-		171	4,326		4,275
Real estates & related	56,858		11,259		1,373		-		661	70,151		68,045
Other services	25,314		11,332		918		1		1,091	38,656		37,774
Telecom & media	6,832		11,822		259		-		1,221	20,134		21,741
Transportation	5,691		5,857		2,272		-		1,517	15,337		14,916
Utilities	10,274		18,735		3,900		-		3,059	35,968		35,097
Other sectors	2,699		293		1		11		16,652	 19,656		14,259
Total wholesale	\$ 375,133	\$	145,939	\$	19,692	\$	169,861	\$	76,957	\$ 787,582	\$	794,547
Total exposure (7)	\$ 756,210	\$	291,449	\$	19,763	\$	169,861	\$	76,957	\$ 1,314,240	\$	1,309,697
By geography (8)												
Canada	\$ 522,082	\$	211,263	\$	9,956	\$	75,296	\$	32,521	\$ 851,118	\$	833,074
U.S.	146,940		59,663		8,520		39,788		17,781	272,692	,	273,652
Europe	57,051		18,162		1,151		49,862		22,251	148,477		162,254
Other International	30,137		2,361		136		4,915		4,404	41,953		40,717
Total exposure (7)	\$ 756,210	\$	291,449	\$	19,763	\$	169,861	\$	76,957	\$ 1,314,240	\$	1,309,697

- (1) Amounts previously reflected gross credit risk exposures.
- (2) Counterparty credit risk EAD reflects exposure amounts after netting. Collateral is included in EAD for repo-style transactions to the extent allowed by regulatory guidelines.
- (3) EAD for undrawn credit commitments and other off-balance sheet amounts are reported after the application of credit conversion factors.
- (4) Includes other off-balance sheet exposures such as letters of credit and guarantees.
- (5) Includes residential mortgages and home equity lines of credit.
- (6) Includes credit cards, unsecured lines of credit and overdraft protection products.
- (7) Excludes securitization, banking book equities and other assets not subject to the standardized or Internal Ratings Based Approach.
- (8) Geographic profile is based on the country of residence of the borrower.

Q1 2019 vs. Q4 2018

Total credit risk exposure increased \$5 billion from the prior quarter, primarily due to growth in loans and acceptances, higher deposits with central banks, and higher undrawn retail exposures, largely offset by decreases related to cash collateral and derivatives due to the adoption of SA-CCR in Q1 2019.

Retail exposure increased \$12 billion or 2%, largely driven by growth in the qualifying revolving and residential secured portfolios.

Wholesale exposure decreased \$7 billion or 1%, primarily due to the adoption of SA-CCR as noted above, and lower undrawn exposures partially offset by growth in loans and acceptances in the governments and other sectors.

The geographic mix of our credit risk exposure increased in Canada and decreased in Europe. Our exposure in Canada, the U.S., Europe and Other International was 65%, 21%, 11% and 3%, respectively (October 31, 2018 – 64%, 21%, 12% and 3%, respectively). The increase in Canada was largely driven by business growth in loans and acceptances. The decrease in Europe was driven by the reduction of cash collateral and derivatives both due to the adoption of SA-CCR as noted above.

Net European exposure by country, asset type and client type (1) (2)

										As at					
								Jan	uary	31					October 31
								2	019	9					2018
				Asset	type						(lient type			
		Loans			F	Repo-style									
(Millions of Canadian dollars)	C	utstanding	S	ecurities (3)	tra	nsactions	D	erivatives		Financials		Sovereign	Corporate	Total	Total
U.K.	\$	8,405	\$	22,688	\$	333	\$	1,361	\$	13,424	\$	11,558	\$ 7,805	\$ 32,787	\$ 20,078
Germany		1,671		5,962		-		253		3,777		2,311	1,798	7,886	9,417
France		700		10,121		8		432		1,152		9,200	909	11,261	10,668
Total U.K., Germany, France	\$	10,776	\$	38,771	\$	341	\$	2,046	\$	18,353	\$	23,069	\$ 10,512	\$ 51,934	\$ 40,163
Ireland	\$	795	\$	29	\$	327	\$	23	\$	408	\$	4	\$ 762	\$ 1,174	\$ 931
Italy		83		167		-		19		118		63	88	269	677
Portugal		-		12		32		-		33		-	11	44	33
Spain		669		186		-		17		144		1	727	872	1,443
Total peripheral	\$	1,547	\$	394	\$	359	\$	59	\$	703	\$	68	\$ 1,588	\$ 2,359	\$ 3,084
Luxembourg (4)	\$	1,875	\$	7,953	\$	242	\$	51	\$	1,516	\$	7,544	\$ 1,061	\$ 10,121	\$ 9,000
Netherlands (4)		593		1,038		45		176		1,015		4	833	1,852	2,815
Norway		184		1,796		54		40		1,640		221	213	2,074	1,871
Sweden		224		3,593		46		9		2,334		1,295	243	3,872	4,308
Switzerland		451		5,537		140		114		515		5,258	469	6,242	6,835
Other		1,506		1,793		141		239		1,225		832	1,622	3,679	3,795
Total other Europe	\$	4,833	\$	21,710	\$	668	\$	629	\$	8,245	\$	15,154	\$ 4,441	\$ 27,840	\$ 28,624
Net exposure to Europe (5)	\$	17,156	\$	60,875	\$	1,368	\$	2,734	\$	27,301	\$	38,291	\$ 16,541	\$ 82,133	\$ 71,871

- Geographic profile is based on country of risk, which reflects our assessment of the geographic risk associated with a given exposure. Typically, this is the residence of the borrower.
- Exposures are calculated on a fair value basis and net of collateral, which includes \$114.8 billion against repo-style transactions (October 31, 2018 \$111.1 billion) and \$10.7 billion against derivatives (October 31, 2018 - \$11.6 billion).
- Securities include \$13.9 billion of trading securities (October 31, 2018 \$16.2 billion), \$33.7 billion of deposits (October 31, 2018 \$23.3 billion), and \$13.3 billion of securities carried at FVOCI (October 31, 2018 - \$12.5 billion).
- Excludes \$1.8 billion (October 31, 2018 \$2.5 billion) of exposures to supranational agencies.
- Reflects \$1.5 billion of mitigation through credit default swaps, which are largely used to hedge single name exposures and market risk (October 31, 2018 \$1.2 billion).

Q1 2019 vs. Q4 2018

Net credit risk exposure to Europe increased \$10 billion from last quarter, primarily driven by an increase in deposits with central banks. Our net exposure to peripheral Europe, which includes Ireland, Italy, Portugal and Spain, decreased \$725 million during the guarter to \$2.4 billion.

Our European corporate loan book is managed on a global basis with underwriting standards reflecting the same approach to the use of our balance sheet as we have applied in both Canada and the U.S. PCL on loans taken on this portfolio was not material this quarter. The gross impaired loans ratio of this loan book was 10 bps, unchanged from last quarter.

Residential mortgages and home equity lines of credit (insured vs. uninsured)

Residential mortgages and home equity lines of credit are secured by residential properties. The following table presents a breakdown by geographic region:

	As at January 31, 2019												
				me equity s of credit									
(Millions of Canadian dollars, except percentage amounts)	Insured (1) Uninsured Total												
Region (2)													
Canada													
Atlantic provinces	\$ 7,575	54%	\$	6,579	46%	\$	14,154	\$	1,900				
Quebec	12,777	40		19,387	60		32,164		3,644				
Ontario	37,802	32		80,570	68		118,372		16,613				
Alberta	20,490	55		17,010	45		37,500		6,619				
Saskatchewan and Manitoba	8,950	51		8,593	49		17,543		2,475				
B.C. and territories	15,274	31		33,946	69		49,220		8,302				
Total Canada (3)	\$ 102,868	38%	\$	166,085	62%	\$	268,953	\$	39,553				
U.S. (4)	1	_		14,212	100		14,213		1,937				
Other International (4)	7	-		3,139	100		3,146		1,443				
Total International	\$ 8	-%	\$	17,351	100%	\$	17,359	\$	3,380				
Total	\$ 102,876	36%	\$	183,436	64%	\$	286,312	\$	42,933				

				As at Octo	ber 31, 2018	3		
			Resi	dential mortgag	ges			ome equity es of credit
(Millions of Canadian dollars, except percentage amounts)	Insured ((1)		Uninsured	i		Total	Total
Region (2)								
Canada								
Atlantic provinces	\$ 7,616	54%	\$	6,398	46%	\$	14,014	\$ 1,926
Quebec	13,045	41		18,911	59		31,956	3,730
Ontario	38,708	33		77,649	67		116,357	16,811
Alberta	20,615	55		16,738	45		37,353	6,706
Saskatchewan and Manitoba	9,007	51		8,503	49		17,510	2,534
B.C. and territories	15,452	32		33,189	68		48,641	8,436
Total Canada (3)	\$ 104,443	39%	\$	161,388	61%	\$	265,831	\$ 40,143
U.S. (4)	1	_		13,492	100		13,493	2,099
Other International (4)	7	_		3,140	100		3,147	1,513
Total International	\$ 8	-%	\$	16,632	100%	\$	16,640	\$ 3,612
Total	\$ 104,451	37%	\$	178,020	63%	\$	282,471	\$ 43,755

Insured residential mortgages are mortgages whereby our exposure to default is mitigated by insurance through the Canada Mortgage and Housing

Home equity lines of credit are uninsured and reported within the personal loan category. As at January 31, 2019, home equity lines of credit in Canadian Banking were \$39 billion (October 31, 2018 – \$40 billion). Approximately 98% of these home equity lines of credit (October 31, 2018 – 98%) are secured by a first lien on real estate, and 7% (October 31, 2018 – 7%) of the total Homeline clients pay the scheduled interest payment only.

Corporation (CMHC) or other private mortgage default insurers.

Region is based upon address of the property mortgaged. The Atlantic provinces are comprised of Newfoundland and Labrador, Prince Edward Island, Nova Scotia and New Brunswick, and B.C. and territories are comprised of British Columbia, Nunavut, Northwest Territories and Yukon. (2)

Total consolidated residential mortgages in Canada of \$269 billion (October 31, 2018 – \$266 billion) was largely comprised of \$246 billion (October 31, 2018 – \$43 billion) of residential mortgages and \$7 billion (October 31, 2018 – \$7 billion) of mortgages with commercial clients, of which \$4 billion (October 31, 2018 – \$4 billion) are insured mortgages, both in Canadian Banking, and \$16 billion (October 31, 2018 – \$16 billion) of residential (3)

mortgages in Capital Markets held for securitization purposes. Home equity lines of credit include term loans collateralized by residential mortgages.

Residential mortgages portfolio by amortization period

The following table provides a summary of the percentage of residential mortgages that fall within the remaining amortization periods based upon current customer payment amounts, which incorporate payments larger than the minimum contractual amount and/or higher frequency of payments:

		As at												
		January 31			October 31									
		2019		2018										
		U.S. and other			U.S. and other									
	Canada	International	Total	Canada	International	Total								
Amortization period														
≤ 25 years	70%	39%	69%	70%	40%	68%								
> 25 years ≤ 30 years	23	61	25	23	60	25								
> 30 years ≤ 35 years	5	-	4	5	_	5								
> 35 years	2	-	2	2	_	2								
Total	100%	100%	100%	100%	100%	100%								

Average loan-to-value (LTV) ratio for newly originated and acquired uninsured residential mortgages and Homeline products The following table provides a summary of our average LTV ratio for newly originated and acquired uninsured residential mortgages and homeline products by geographic region:

		For the th	ee months ended	
	Janua	ry 31	Octobe	er 31
	20:	19	201	18
	Unins	ured	Unins	ured
	Residential mortgages (1)	Homeline products (2)	Residential mortgages (1)	Homeline products (2)
Region (3)				
Atlantic provinces	74%	74%	72%	74%
Quebec	71	73	71	73
Ontario	70	67	70	67
Alberta	72	71	73	71
Saskatchewan and Manitoba	74	74	74	74
B.C. and territories	66	64	67	64
U.S.	74	n.m.	69	n.m.
Other International	71	n.m.	66	n.m.
Average of newly originated and acquired for the period (4), (5)	70%	68%	70%	68%
Total Canadian Banking residential mortgages portfolio (6)	56%	50%	55%	49%

- Residential mortgages exclude residential mortgages within the Homeline products. Homeline products are comprised of both residential mortgages and home equity lines of credit.
- Region is based upon address of the property mortgaged. The Atlantic provinces are comprised of Newfoundland and Labrador, Prince Edward Island, Nova Scotia and
- New Brunswick, and B.C. and territories are comprised of British Columbia, Nunavut, Northwest Territories and Yukon.
 The average LTV ratio for newly originated and acquired uninsured residential mortgages and Homeline products is calculated on a weighted basis by mortgage (4) amounts at origination.
- For newly originated mortgages and Homeline products, LTV is calculated based on the total facility amount for the residential mortgage and Homeline product divided (5) by the value of the related residential property
- Weighted by mortgage balances and adjusted for property values based on the Teranet National Bank National Composite House Price Index.

We employ a risk-based approach to property valuation. Property valuation methods include automated valuation models (AVM) and appraisals. An AVM is a tool that estimates the value of a property by reference to market data including sales of comparable properties and price trends specific to the Metropolitan Statistical Area in which the property being valued is located. Using a riskbased approach, we also employ appraisals which can include drive-by or full on-site appraisals.

We continue to actively manage our entire mortgage portfolio and to perform stress testing based on a combination of increasing unemployment, rising interest rates and a downturn in real estate markets.

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Credit quality performance

The following credit quality performance tables and analysis provide information on loans, which represents loans, acceptances and commitments, and other financial assets.

Provision for (recovery of) credit loss

		Fort	he thr	ee months er	nded	
		January 31	(October 31		January 31
(Millions of Canadian dollars, except percentage amounts)		2019		2018		2018
Personal & Commercial Banking	\$	347	\$	297	\$	312
Wealth Management		26		4		(2)
Capital Markets Corporate Support and other		143		32		25 (1)
PCL – Loans	\$	516	\$	333	\$	334
PCL – Other financial assets	\$	(2)	Ф	20	Ф))4 -
Total PCL	\$	514	\$	353	\$	334
			•			
Retail	\$	33	\$	26	\$	20
Wholesale	•	60	, T	18	4	(11)
PCL on performing loans	\$	93	\$	44	\$	9
Retail	\$	269	\$	248	\$	245
Wholesale		154		41		80
PCL on impaired loans	\$	423	\$	289	\$	325
PCL – Loans	\$	516	\$	333	\$	334
PCL ratio – Loans (1)		0.34%		0.23%		0.24%
PCL on impaired loans ratio (2)		0.28%		0.20%		0.23%
Additional information by geography						
Canada (3)						
Residential mortgages	\$	10	\$	17	\$	10
Personal Credit cards		121 116		121 115		113 107
Small business		5		6		7
Retail		252		259		237
Wholesale		41		22		34
PCL on impaired loans	\$	293	\$	281	\$	271
U.S. (3)						
Retail	\$	2	\$	1	\$	1
Wholesale		110		34		22
PCL on impaired loans	\$	112	\$	35	\$	23
Other International (3)						
Retail	\$	15	\$	(12)	\$	7
Wholesale		3	_	(15)		24
PCL on impaired loans	\$	18	\$	(27)	\$	31
PCL on impaired loans	\$	423	\$	289	\$	325

- (1) PCL ratio Loans is calculated using PCL on Loans as a percentage of average net loans and acceptances.
- (2) PCL on impaired loans ratio is calculated using PCL on impaired loans as a percentage of average net loans and acceptances.
- (3) Geographic information is based on residence of borrower.

Q1 2019 vs. Q1 2018

Total PCL was \$514 million. PCL on loans of \$516 million increased \$182 million, or 54% from the prior year, mainly due to higher provisions in Capital Markets, Personal & Commercial Banking and Wealth Management. The PCL ratio on loans of 34 bps increased 10 bps.

PCL on performing loans of \$93 million, compared to \$9 million in the prior year, driven by unfavourable changes in certain near-term macroeconomic variables, largely impacting Capital Markets and Wealth Management.

PCL on impaired loans of \$423 million was \$98 million higher than the prior year, mainly due to increased provisions in Capital Markets and Personal & Commercial Banking.

PCL on loans in Personal & Commercial Banking increased \$35 million, reflecting higher provisions on impaired loans across most portfolios.

PCL on loans in Wealth Management increased \$28 million, primarily reflecting higher provisions on performing loans in U.S. Wealth Management (including City National) as described above.

PCL on loans in Capital Markets increased \$118 million, largely driven by higher provisions on performing loans as described above. Higher provisions on impaired loans also contributed to the increase, mainly driven by one account in the utilities sector.

Q1 2019 vs. Q4 2018

PCL on loans of \$516 million increased \$183 million, or 55% from the prior quarter, mainly due to higher provisions in Capital Markets and Personal & Commercial Banking. The PCL ratio on loans of 34 bps increased 11 bps.

PCL on performing loans of \$93 million, compared to \$44 million in the prior quarter, was driven by unfavourable changes in certain near-term macroeconomic variables, largely impacting Capital Markets and Wealth Management.

PCL on impaired loans of \$423 million increased \$134 million from the prior quarter, mainly due to higher provisions in Capital Markets and Personal & Commercial Banking.

PCL on loans in Personal & Commercial Banking increased \$50 million, primarily reflecting higher provisions on impaired loans in the Caribbean Banking and Canadian Business Banking portfolios.

PCL on loans in Wealth Management increased \$22 million, primarily reflecting an increase in provisions on performing loans in U.S. Wealth Management (including City National) as described above.

PCL on loans in Capital Markets increased \$111 million, largely driven by a provision on impaired loans taken on one account in the utilities sector. Higher PCL on performing loans also contributed to the increase.

Gross impaired loans

			As at	
(Millions of Canadian dollars, except percentage amounts)	January 31 2019		October 31 2018	January 31 2018
Personal & Commercial Banking	\$ 1,653	\$	1,605	\$ 1,713
Wealth Management	223		203	273
Capital Markets	906		375	541
Corporate Support and other	-		_	_
Total GIL	\$ 2,782	\$	2,183	\$ 2,527
Canada (1)				
Retail	\$ 749	\$	723	\$ 715
Wholesale	407		396	518
GIL	\$ 1,156	\$	1,119	\$ 1,233
U.S. (1)				
Retail	\$ 30	\$	23	\$ 39
Wholesale	949		401	386
GIL	\$ 979	\$	424	\$ 425
Other International (1)				
Retail	\$ 331	\$	327	\$ 327
Wholesale	316		313	542
GIL	\$ 647	\$	640	\$ 869
Total GIL	\$ 2,782	\$	2,183	\$ 2,527
Impaired loans, beginning balance	\$ 2,183	\$	2,321	\$ 2,576
Classified as impaired during the period (new impaired) (2)	1,133		553	694
Net repayments (2)	(99)		(107)	(126)
Amounts written off	(377)		(382)	(321)
Other (2), (3)	(58)	_	(202)	(296)
Impaired loans, balance at end of period	\$ 2,782	\$	2,183	\$ 2,527
GIL ratio (4)				
Total GIL ratio	0.46%		0.37%	0.45%
Personal & Commercial Banking	0.37%		0.37%	0.41%
Canadian Banking	0.26%		0.26%	0.29%
Caribbean Banking	6.54%		6.36%	6.44%
Wealth Management	0.37%		0.34%	0.52%
Capital Markets	0.90%		0.41%	0.67%

(1) Geographic information is based on residence of borrower.

Q1 2019 vs. Q1 2018

Total GIL of \$2,782 million increased \$255 million or 10% from the prior year, and the total GIL ratio of 46 bps increased 1 bp, mainly reflecting higher impaired loans in Capital Markets, partially offset by lower impaired loans in Personal & Commercial Banking and Wealth Management.

GIL in Personal & Commercial Banking decreased \$60 million or 4%, primarily due to lower impaired loans in our Canadian Business Banking portfolios, partially offset by higher impaired loans in our Canadian Personal Banking and Caribbean Banking portfolios.

GIL in Wealth Management decreased \$50 million or 18%, largely reflecting lower impaired loans in International Wealth Management and U.S. Wealth Management (including City National) due to repayments.

GIL in Capital Markets increased \$365 million or 67%, mainly due to one account in the utilities sector. Movements in other sectors also contributed to the change.

Q1 2019 vs. Q4 2018

Total GIL increased \$599 million or 27% from the prior quarter, and the total GIL ratio of 46 bps increased 9 bps.

GIL in Personal & Commercial Banking increased \$48 million or 3%, largely due to higher impaired loans in our Canadian Banking portfolios.

⁽²⁾ Certain GIL movements for Canadian Banking retail and wholesale portfolios are generally allocated to new impaired, as return to performing status, Net repayments, sold, and exchange and other movements amounts are not reasonably determinable. Certain GIL movements for Caribbean Banking retail and wholesale portfolios are generally allocated to Net repayments and new impaired, as return to performing status, sold, and exchange and other movements amounts are not reasonably determinable.

⁽³⁾ Includes return to performing status during the period, recoveries of loans and advances previously written off, sold, and exchange and other movements.

⁽⁴⁾ GIL as a % of related loans and acceptances.

GIL in Wealth Management increased \$20 million or 10%, mainly reflecting higher impaired loans in U.S. Wealth Management (including City National).

GIL in Capital Markets increased \$531 million, mainly due to one account in the utilities sector.

Allowance for credit losses (ACL)

		As at			
(Millions of Canadian dollars)	January 31 2019	October 31 2018	January 31 2018		
Personal & Commercial Banking Wealth Management Capital Markets Corporate Support and other	\$ 2,604 202 464 3	\$ 2,536 202 347 3	\$ 2,426 218 350 1		
ACL on loans ACL on other financial assets	\$ 3,273 69	\$ 3,088 71	\$ 2,995 103		
Total ACL	\$ 3,342	\$ 3,159	\$ 3,098		
ACL on loans is comprised of: ACL on performing loans ACL on impaired loans	\$ 2,478 795	\$ 2,388 700	\$ 2,242 753		
Retail Wholesale	\$ 1,785 693	\$ 1,753 635	\$ 1,643 599		
ACL on performing loans	\$ 2,478	\$ 2,388	\$ 2,242		
Additional information by geography					
Canada (1) Retail Wholesale ACL on impaired loans	\$ 176 111 287	\$ 168 92 260	\$ 153 140 293		
U.S. (1) Retail Wholesale	\$ 2 226	\$ 1 164	\$ 1 135		
ACL on impaired loans	\$ 228	\$ 165	\$ 136		
Other International (1) Retail Wholesale	\$ 169 111	\$ 166 109	\$ 157 167		
ACL on impaired loans	\$ 280	\$ 275	\$ 324		
ACL on impaired loans	\$ 795	\$ 700	\$ 753		

⁽¹⁾ Geographic information is based on residence of borrower.

Q1 2019 vs. Q1 2018

Total ACL of \$3,342 million increased \$244 million or 8% from the prior year, reflecting an increase of \$278 million in ACL on loans, partially offset by a decrease of \$34 million in ACL on other financial assets.

ACL on performing loans of \$2,478 million increased \$236 million from the prior year, driven by unfavourable changes in certain near-term macroeconomic variables and volume growth, primarily impacting Personal & Commercial Banking. Capital Markets also contributed to the increase.

ACL on impaired loans of \$795 million increased \$42 million from the prior year, primarily due to higher ACL in Capital Markets, partially offset by lower ACL in Wealth Management.

ACL on other financial assets decreased \$34 million, primarily due to the restructuring of Barbados securities in the prior year.

Q1 2019 vs. Q4 2018

Total ACL of \$3,342 million increased \$183 million or 6% from the prior quarter, reflecting an increase of \$185 million in ACL on loans. ACL on performing loans of \$2,478 million was \$90 million higher than the prior quarter, reflecting increased ACL in Capital Markets and Personal & Commercial Banking, driven by unfavourable changes in certain near-term macroeconomic variables. ACL on impaired loans of \$795 million increased \$95 million from the prior quarter, primarily due to higher ACL in Capital

For further details, refer to Note 5 of our Condensed Financial Statements.

Market risk

Markets.

Market risk is defined to be the impact of market prices upon our financial condition. This includes potential gains or losses due to changes in market determined variables such as interest rates, credit spreads, equity prices, commodity prices, foreign exchange rates and implied volatilities. There have been no material changes to our Market Risk Framework from the framework described in our 2018 Annual Report. We continue to manage the controls and governance procedures that ensure that our market risk exposure is

consistent with risk appetite constraints set by the Board of Directors. These controls include limits on probabilistic measures of potential loss in trading positions, such as Value-at-Risk (VaR) and Stressed Value-at-Risk (SVaR).

Market risk controls are also in place to manage structural interest rate risk (SIRR) arising from traditional banking products. Factors contributing to SIRR include the mismatch between future asset and liability repricing dates, relative changes in asset and liability rates, and product features that could affect the expected timing of cash flows, such as options to pre-pay loans or redeem term deposits prior to contractual maturity. To monitor and control SIRR, we assess two primary financial metrics, Net Interest Income (NII) risk and Economic Value of Equity (EVE) risk, under a range of market shocks and scenarios. For further details of our approach to the management of market risk, refer to the Market risk section of our 2018 Annual Report. There has been no material change to the SIRR measurement methodology, controls, or limits from those described in our 2018 Annual Report.

Market risk measures - FVTPL positions

VaR and SVaR

The following table presents our Market risk VaR and Market risk SVaR figures.

			January 3	31, 20	19			Oct	ober 31, 2018			Jar	nuary 31, 2018	
			thi		r the nths ende	ed .			For the three months e	nded			For the three months	
(Millions of Canadian dollars)	As at	Α	verage		High		Low	As at	Ave	rage	-	As at	A	verage
Equity	\$ 20	\$	22	\$	30	\$	14	\$ 34	\$	16	\$	15	\$	16
Foreign exchange	4		6		13		3	12		5		3		3
Commodities	2		3		4		2	2		2		1		2
Interest rate (1)	14		16		19		12	15		15		12		17
Credit specific (2)	5		5		5		5	5		5		5		5
Diversification (3)	(15)		(18)		n.m.		n.m.	(29)		(19)		(14)		(18)
Market risk VaR	\$ 30	\$	34	\$	45	\$	27	\$ 39	\$	24	\$	22	\$	25
Market risk Stressed VaR	\$ 113	\$	123	\$	161	\$	79	\$ 91	\$	72	\$	84	\$	81

- (1) General credit spread risk and funding spread risk associated with uncollateralized derivatives are included under interest rate VaR.
- (2) Credit specific risk captures issuer-specific credit spread volatility.
- (3) Market risk VaR is less than the sum of the individual risk factor VaR results due to portfolio diversification.
- n.m. not meaningful

Q1 2019 vs. Q1 2018

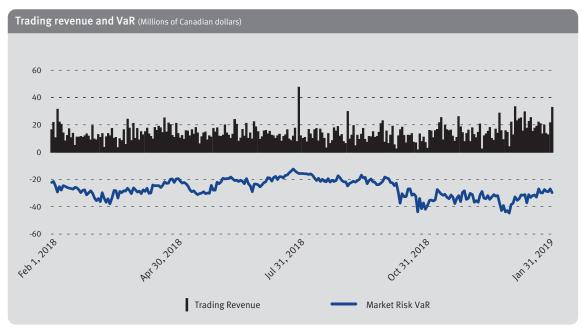
Average market risk VaR of \$34 million increased \$9 million from the prior year, primarily reflecting increased equity markets volatility impacting the historical window used to calculate VaR and the impact of foreign exchange translation.

Average SVaR of \$123 million increased \$42 million from the prior year, mainly due to growth in our fixed income portfolios and equity markets volatility. The impact of foreign exchange translation also contributed to the increase.

Q1 2019 vs. Q4 2018

Average market risk VaR of \$34 million increased \$10 million and average SVaR of \$123 million increased \$51 million from the prior quarter, mainly due to growth in our fixed income portfolios and equity markets volatility. The impact of foreign exchange translation also contributed to the increase.

The following chart displays a bar graph of our daily trading profit and loss and a line graph of our daily market risk VaR. We incurred no net trading losses in the three months ended January 31, 2019 and October 31, 2018.



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Market risk measures for other FVTPL positions – Assets and liabilities of RBC Insurance

We offer a range of insurance products to clients and hold investments to meet the future obligations to policyholders. The investments which support actuarial liabilities are predominantly fixed income assets designated as FVTPL. Consequently, changes in the fair values of these assets are recorded in investment income within Total revenue in the Consolidated Statements of Income and are largely offset by changes in the fair value of the actuarial liabilities, the impact of which is reflected in Insurance policyholder benefits, claims and acquisition expense. As at January 31, 2019, we had liabilities with respect to insurance obligations of \$10.5 billion, up from \$10.0 billion in the prior quarter, and assets of \$8.6 billion in support of the liabilities, up from \$8.1 billion last quarter.

Market risk measures - Structural Interest Rate Sensitivities

The following table shows the potential before-tax impact of an immediate and sustained 100 bps increase or decrease in interest rates on projected 12-month NII and EVE for our structural balance sheet, assuming no subsequent hedging. Rate floors are applied within the declining rates scenarios, with floor levels set based on rate changes experienced globally. Interest rate risk measures are based upon interest rate exposures at a specific time and continuously change as a result of business activities and management actions.

				January 3 2019	•										Januar 201		
		E۱	/E risk				NII	risk (1)									
(Millions of Canadian dollars)	Canadian dollar impact	imį	U.S. dollar pact (2)	Total		nadian dollar impact	im	U.S. dollar pact (2)	Total		EVE risk	NII	risk (1)		EVE risk	NII	risk (1)
Before-tax impact of: 100bps increase in rates 100bps decrease in rates	\$ (976) 877	\$	(43) (328)	\$ (1,019) 549	\$	360 (468)	\$	127 (149)	\$ 487 (617)	\$ ((1,140) 755	\$	505 (582)	\$	(1,224) 809	\$	458 (578)

- (1) Represents the 12-month NII exposure to an instantaneous and sustained shift in interest rates.
- (2) Represents the impact on the SIRR portfolios held in our City National and U.S. banking operations.

As at January 31, 2019, an immediate and sustained -100 bps shock would have had a negative impact to our NII of \$617 million, up from \$582 million last quarter. An immediate and sustained +100 bps shock at the end of January 31, 2019 would have had a negative impact to the Bank's EVE of \$1,019 million, down from \$1,140 million reported last quarter. The quarter-over-quarter increase in NII risk was mainly attributed to interest rate changes and deposit growth. During the first quarter of 2019, NII and EVE risks remained well within approved limits.

Market risk measures for other material non-trading portfolios

Investment securities carried at FVOCI

We held \$51.9 billion of investment securities carried at FVOCI as at January 31, 2019 compared to \$48.5 billion in the prior quarter. We hold debt securities carried at FVOCI primarily as investments, as well as to manage liquidity risk and hedge interest rate risk in our non-trading banking balance sheet. As at January 31, 2019, our portfolio of investment securities carried at FVOCI is interest rate sensitive and would impact OCI by a pre-tax change in value of \$7 million as measured by the change in the value of the securities for a one basis point parallel increase in yields. The portfolio also exposes us to credit spread risk of a pre-tax change in value of \$21 million, as measured by the change in value for a one basis point widening of credit spreads. The value of the investment securities carried at FVOCI included in our SIRR measure as at January 31, 2019 was \$6.0 billion, down from \$7.1 billion in the prior quarter. Our investment securities carried at FVOCI also include equity exposures of \$0.5 billion as at January 31, 2019 compared to \$0.4 billion last quarter.

Derivatives related to non-trading activity

Derivatives are also used to hedge market risk exposures unrelated to our trading activity. In aggregate, derivative assets not related to trading activity of \$2.5 billion as at January 31, 2019 were down from \$2.8 billion last quarter, and derivative liabilities of \$2.1 billion as at January 31, 2019 were down from \$2.9 billion last quarter.

Non-trading derivatives in hedge accounting relationships

The derivative assets and liabilities described above include derivative assets in a designated hedge accounting relationship of \$1.0 billion as at January 31, 2019, down from \$1.5 billion as at October 31, 2018, and derivative liabilities of \$1.6 billion as at January 31, 2019, down from \$2.1 billion last quarter. These derivative assets and liabilities are included in our SIRR measure and other internal non-trading market risk measures. We use interest rate swaps to manage our investment securities and SIRR. To the extent these swaps are considered effective, changes in their fair value are recognized in Other comprehensive income. The interest rate risk for the swaps designated as cash flow hedges, measured as the change in the fair value of the derivatives for a one basis point parallel increase in yields, was \$7 million as of January 31, 2019, unchanged from \$7 million as of October 31, 2018.

Interest rate swaps are also used to hedge changes in the fair value of certain fixed-rate instruments. Changes in fair value of the hedged instruments that are related to interest rate movements and the corresponding interest rate swaps are reflected in the Consolidated Statement of Income.

We also use foreign exchange derivatives to manage our exposure to equity investments in subsidiaries that are denominated in foreign currencies, particularly the U.S. dollar, British pound, and Euro. Changes in the fair value of these hedges and the cumulative translation adjustment related to our structural foreign exchange risk are reported in other comprehensive income.

Other non-trading derivatives

Derivatives, including interest rate swaps and foreign exchange derivatives, that are not in designated hedge accounting relationships are used to manage other non-trading exposures. Changes in the fair value of these derivatives are reflected in the Consolidated Statement of Income. Derivative assets of \$1.5 billion as at January 31, 2019 were up from \$1.3 billion as at October 31, 2018, and derivative liabilities of \$0.5 billion as at January 31, 2019 were down from \$0.8 billion last quarter.

Non-trading foreign exchange rate risk

Foreign exchange rate risk is the potential adverse impact on earnings and economic value due to changes in foreign currency rates. Our revenue, expenses and income denominated in currencies other than the Canadian dollar are subject to fluctuations as a result of changes in the value of the average Canadian dollar relative to the average value of those currencies. Our most significant exposure is to the U.S. dollar, due to our operations in the U.S. and other activities conducted in U.S. dollars. Other significant exposures are to the British pound and the Euro, due to our activities conducted internationally in these currencies. A strengthening or weakening of the Canadian dollar compared to the U.S. dollar, British pound and the Euro could reduce or increase, as applicable, the translated value of our foreign currency denominated revenue, expenses and income and could have a significant effect on the results of our operations. We are also exposed to foreign exchange rate risk arising from our investments in foreign operations. For unhedged equity investments, when the Canadian dollar appreciates against other currencies, the unrealized translation losses on net foreign investments decreases our shareholders' equity through the other components of equity and decreases the translated value of the Risk-weighted Assets (RWA) of the foreign currency-denominated asset. The reverse is true when the Canadian dollar depreciates against other currencies. Consequently, we consider these impacts in selecting an appropriate level of our investments in foreign operations to be hedged.

Linkage of market risk to selected balance sheet items

The following table provides the linkages between selected balance sheet items with positions included in our trading market risk and non-trading market risk disclosures, which illustrates how we manage market risk for our assets and liabilities through different risk measures:

	As at January 31, 2019													
			Market r	isk me	asure									
	Balance sheet				Non-traded	Non-traded risk								
(Millions of Canadian dollars)	amount	Tı	raded risk (1)		risk (2)	primary risk sensitivity								
Assets subject to market risk														
Cash and due from banks	\$ 40,033	\$	-	\$	40,033	Interest rate								
Interest-bearing deposits with banks	38,653		22,859		15,794	Interest rate								
Securities														
Trading	138,173		129,595		8,578	Interest rate, credit spread								
Investment, net of applicable allowance	97,659		_		97,659	Interest rate, credit spread, equity								
Assets purchased under reverse repurchase agreements														
and securities borrowed	297,660		223,953		73,707	Interest rate								
Loans														
Retail	401,767		7,112		394,655	Interest rate								
Wholesale	191,114		8,778		182,336	Interest rate								
Allowance for loan losses	(3,061)		-		(3,061)	Interest rate								
Segregated fund net assets	1,443		-		1,443	Interest rate								
Derivatives	84,816		82,307		2,509	Interest rate, foreign exchange								
Other assets	71,692		2,439		69,253	Interest rate								
Assets not subject to market risk (3)	6,258													
Total assets	\$ 1,366,207	\$	477,043	\$	882,906									
Liabilities subject to market risk														
Deposits	\$ 852,564	\$	96,229	\$	756,335	Interest rate								
Segregated fund liabilities	1,443		_		1,443	Interest rate								
Other														
Obligations related to securities sold short	33,242		33,242		_									
Obligations related to assets sold under repurchase														
agreements and securities loaned	224,529		218,297		6,232	Interest rate								
Derivatives	81,766		79,647		2,119	Interest rate, foreign exchange								
Other liabilities	78,383		7,887		70,496	Interest rate								
Subordinated debentures	9,255		-		9,255	Interest rate								
Liabilities not subject to market risk (4)	4,375													
Total liabilities	\$ 1,285,557	\$	435,302	\$	845,880									
Total equity	\$ 80,650													
Total liabilities and equity	\$ 1,366,207													

⁽¹⁾ Traded risk includes positions that are classified or designated as FVTPL and positions whose revaluation gains and losses are reported in revenue. Market risk measures of VaR and SVaR and stress testing are used as risk controls for traded risk.

⁽²⁾ Non-traded risk includes positions used in the management of the SIRR and other non-trading portfolios. Other material non-trading portfolios include positions from RBC Insurance and investment securities, net of applicable allowance, not included in SIRR.

Assets not subject to market risk include \$6,258 million of physical and other assets.

Liabilities not subject to market risk include \$4,375 million of payroll related and other liabilities.

				As at October 31	, 2018
			Market ris	sk measure	
		Balance sheet		Non-traded	Non-traded risk
(Millions of Canadian dollars)		amount	Traded risk (1)	risk (2)	primary risk sensitivity
Assets subject to market risk					
Cash and due from banks	\$	30,209	\$ -	\$ 30,209	Interest rate
Interest-bearing deposits with banks		36,471	20,277	16,194	Interest rate
Securities					
Trading		128,258	120,163	8,095	Interest rate, credit spread
Investment, net of applicable allowance		94,608	_	94,608	Interest rate, credit spread, equity
Assets purchased under reverse repurchase agreements					
and securities borrowed		294,602	219,108	75,494	Interest rate
Loans					
Retail		399,452	4,307	395,145	Interest rate
Wholesale		180,278	9,128	171,150	Interest rate
Allowance for loan losses		(2,912)	_	(2,912)	Interest rate
Segregated fund net assets		1,368	_	1,368	Interest rate
Derivatives		94,039	91,275	2,764	Interest rate, foreign exchange
Other assets		71,655	2,259	69,396	Interest rate
Assets not subject to market risk (3)		6,706			
Total assets	\$	1,334,734	\$ 466,517	\$ 861,511	
Liabilities subject to market risk					
Deposits	\$	837,046	\$ 82,281	\$ 754,765	Interest rate
Segregated fund liabilities	7	1,368	-	1,368	Interest rate
Other		,		,	
Obligations related to securities sold short		32,247	32,247	_	
Obligations related to assets sold under repurchase		- ,	,		
agreements and securities loaned		206,814	201,839	4,975	Interest rate
Derivatives		90,238	87,352	2,886	Interest rate, foreign exchange
Other liabilities		72,116	7,661	64,455	Interest rate
Subordinated debentures		9,131	_	9,131	Interest rate
Liabilities not subject to market risk (4)		5,819		., -	
Total liabilities	\$	1,254,779	\$ 411,380	\$ 837,580	
Total equity	\$	79,955			
Total liabilities and equity	\$	1,334,734	-		

- (1) Traded risk includes positions that are classified or designated as FVTPL and positions whose revaluation gains and losses are reported in revenue. Market risk measures of VaR and SVaR and stress testing are used as risk controls for traded risk.
- (2) Non-traded risk includes positions used in the management of the SIRR and other non-trading portfolios. Other material non-trading portfolios include positions from RBC Insurance and investment securities, net of applicable allowance, not included in SIRR.
- (3) Assets not subject to market risk include \$6,706 million of physical and other assets.
- (4) Liabilities not subject to market risk include \$5,819 million of payroll related and other liabilities.

Liquidity and funding risk

Liquidity and funding risk (liquidity risk) is the risk that we may be unable to generate sufficient cash or its equivalents in a timely and cost-effective manner to meet our commitments as they come due. Liquidity risk arises from mismatches in the timing and value of on-balance sheet and off-balance sheet cash flows.

Our Liquidity Risk Management Framework (LRMF) is designed to ensure that we have sufficient liquidity to satisfy current and prospective commitments in both normal and stressed conditions. There have been no material changes to our LRMF as described in our 2018 Annual Report.

We continue to maintain liquidity and funding that is appropriate for the execution of our strategy. Liquidity risk remains well within our risk appetite.

Liquidity reserve

Our liquidity reserve consists of available unencumbered liquid assets as well as uncommitted and undrawn central bank borrowing facilities that could be accessed under extraordinary circumstances subject to satisfying certain preconditions as set by various Central Banks (e.g., BoC, the Fed, Bank of England, and Bank of France).

To varying degrees, unencumbered liquid assets represent a ready source of funding. Unencumbered assets are the difference between total and encumbered assets from both on- and off-balance sheet sources. Encumbered assets, in turn, are not considered a source of liquidity in measures of liquidity risk.

Although unused wholesale funding capacity, which is regularly assessed, could be another potential source of liquidity to mitigate stressed conditions, it is excluded in the determination of our liquidity reserve.

			As at Ja	nuary 31, 2019			
(Millions of Canadian dollars)	Bank-owned liquid assets	Securities received as collateral from securities financing derivative transactions		Total liquid assets	Encumbered liquid assets	U	nencumbered liquid assets
Cash and due from banks	\$ 40,033	\$ _	\$	40,033	\$ 2,585	\$	37,448
Interest-bearing deposits with banks	38,653	-		38,653	328		38,325
Securities issued or guaranteed by sovereigns, central banks or							
multilateral development banks (1)	196,493	277,661		474,154	329,626		144,528
Other securities	79,484	120,017		199,501	84,522		114,979
Undrawn credit lines granted by central banks (2)	10,722	_		10,722	_		10,722
Other assets eligible as collateral for discount (3)	95,157	_		95,157	_		95,157
Other liquid assets (4)	18,498	-		18,498	18,137		361
Total liquid assets	\$ 479,040	\$ 397,678	\$	876,718	\$ 435,198	\$	441,520

	As at October 31, 2018													
(Millions of Canadian dollars)		Bank-owned liquid assets		Securities received as collateral from securities financing derivative transactions		Total liquid assets		Encumbered liquid assets	U	nencumbered liquid assets				
Cash and due from banks	\$	30,209	\$	_	\$	30,209	\$	2,573	\$	27,636				
Interest-bearing deposits with banks		36,471		_		36,471		366		36,105				
Securities issued or guaranteed by sovereigns, central banks or														
multilateral development banks (1)		188,911		261,119		450,030		297,681		152,349				
Other securities .		78,090		126,209		204,299		84,589		119,710				
Undrawn credit lines granted by central banks (2)		9,988		_		9,988		_		9,988				
Other assets eligible as collateral for discount (3)		99,120		_		99,120		_		99,120				
Other liquid assets (4)		19,758		_		19,758		19,406		352				
Total liquid assets	\$	462,547	\$	387,328	\$	849,875	\$	404,615	\$	445,260				

	As at									
(Millions of Canadian dollars)	January 31 2019		October 31 2018							
Royal Bank of Canada	\$ 201,440	\$	219,197							
Foreign branches	81,969		73,015							
Subsidiaries	158,111		153,048							
Total unencumbered liquid assets	\$ 441,520	\$	445,260							

- (1) Includes liquid securities issued by provincial governments and U.S. government-sponsored entities working under U.S. Federal government's conservatorship (e.g., Federal National Mortgage Association and Federal Home Loan Mortgage Corporation).
- (2) Includes loans that qualify as eligible collateral for the discount window facility available to us at the Federal Reserve Bank of New York (FRBNY). Amounts are face value and would be subject to collateral margin requirements applied by the FRBNY to determine collateral value/borrowing capacity. Access to the discount window borrowing program is conditional on meeting requirements set by the FRBNY and borrowings are typically expected to be infrequent and due to uncommon occurrences requiring temporary accommodation.
- (3) Represents our unencumbered Canadian dollar non-mortgage loan book (at face value) that could, subject to satisfying conditions precedent to borrowing and application of prescribed collateral margin requirements, be pledged to the BoC for advances under its Emergency Lending Assistance (ELA) program. ELA is not considered a source of available liquidity in our normal liquidity risk profile but could in extraordinary circumstances, where normal market liquidity is seriously impaired, allow us and other banks to monetize assets eligible as collateral to meet requirements and mitigate further market liquidity disruption. The balance also includes our unencumbered mortgage loans that qualify as eligible collateral at Federal Home Loan Bank (FHLB).
- (4) Encumbered liquid assets amount represents cash collateral and margin deposit amounts pledged related to OTC and exchange-traded derivative transactions.

The liquidity reserve is typically most affected by routine flows of client banking activity where liquid asset portfolios adjust to the change in cash balances, and additionally from capital markets activities where business strategies and client flows may also affect the addition or subtraction of liquid assets in the overall calculation of the liquidity reserve. Corporate Treasury also affects liquidity reserves through the management of funding issuances where reserves absorb timing mismatches between debt issuances and deployment into business activities.

Q1 2019 vs. Q4 2018

Total liquid assets increased \$27 billion or 3%, primarily due to an increase in on-balance sheet securities and securities received as collateral under reverse repurchase agreements and collateral swap transactions, and higher deposits with central banks, reflecting short-term cash management activities. However, the increase in collateral received was offset with a corresponding increase in collateral pledged under encumbered liquid assets due to repurchase transactions and collateral swap transactions.

Asset encumbrance

The table below provides a summary of cash, securities and other assets, distinguishing between those that are encumbered or available for sale or use as collateral in secured funding transactions. Other assets, such as mortgages and credit card receivables, can also be monetized, albeit over longer timeframes than those required for marketable securities. As at January 31, 2019, our Unencumbered assets available as collateral comprised 29% of total assets (October 31, 2018 – 29%).

Asset encumbrance

					As	at									
			January 31 2019			October 31 2018									
	Encumber	ed	Unencum	bered		Encumbe	ered	Unencum	bered						
	Pledged as		Available as			Pledged as		Available as							
(Millions of Canadian dollars)	collateral	Other (1)	collateral (2)	Other (3)	Total	collateral	Other (1)	collateral (2)	Other (3)	Total					
Cash and due from banks	\$ -\$	2,585	\$ 37,448 \$;	\$ 40,033	\$ - :	\$ 2,573	\$ 27,636 \$	- \$	30,209					
Interest-bearing deposits															
with banks	-	328	38,325	-	38,653	_	366	36,105	_	36,471					
Securities															
Trading	40,659	-	94,912	2,602	138,173	40,640	_	84,270	3,348	128,258					
Investment, net of															
applicable allowance	14,047	-	83,550	62	97,659	12,195	-	82,351	62	94,608					
Assets purchased under															
reverse repurchase															
agreements and						0.0.50									
securities borrowed (4)	379,112	22,633	35,373	9,041	446,159	348,597	22,188	53,590	5,722	430,097					
Loans															
Retail	20 404		27.060		(7.5(2	24.206		26.226		70 520					
Mortgage securities Mortgage loans	30,494 44,961	_	37,069 14,400	159,388	67,563 218,749	34,286 36,959	_	36,234 17,784	157,208	70,520 211,951					
Non-mortgage loans	9,251		58,701	47,503	115,455	8,553	_	59,611	48,817	116,981					
Wholesale	9,231	_	33,302	157,812	191,114	0,555	_	32,478	147,800	180,278					
Allowance for loan losses	_		33,302	(3,061)	(3,061)	_		32,476	(2,912)	(2,912)					
Segregated fund net assets		_		1,443	1,443	_		_	1,368	1,368					
Other – Derivatives		_	_	84,816	84,816		_	_	94,039	94,039					
- Others (5)	18,137	_	361	59,452	77,950	19,406	_	352	58,603	78,361					
Total assets	\$ 536,661 \$	25,546	\$ 433,441 \$	· · · · · · · · · · · · · · · · · · ·	\$1,514,706	\$ 500,636	\$ 25,127	\$ 430,411							

- (1) Includes assets restricted from use to generate secured funding due to legal or other constraints.
- (2) Includes loans that could be used to collateralize central bank advances. Our unencumbered Canadian dollar non-mortgage loan book (at face value) could, subject to satisfying conditions for borrowing and application of prescribed collateral margin requirements, be pledged to the BoC for advances under its ELA program. It also includes our unencumbered mortgage loans that qualify as eligible collateral at FHLB. We also lodge loans that qualify as eligible collateral for the discount window facility available to us at the FRBNY. ELA and other central bank facilities are not considered sources of available liquidity in our normal liquidity risk profile. However, banks could monetize assets meeting collateral criteria during periods of extraordinary and severe disruption to market-wide liquidity.
- (3) Other unencumbered assets are not subject to any restrictions on their use to secure funding or as collateral but would not be considered readily available since they may not be acceptable at central banks or for other lending programs.
- (4) Includes bank-owned liquid assets and securities received as collateral from off-balance sheet securities financing, derivative transactions, and margin lending. Includes \$22.6 billion (October 31, 2018 \$22.2 billion) of collateral received through reverse repurchase transactions that cannot be rehypothecated in its current legal form.
- (5) The Pledged as collateral amount represents cash collateral and margin deposit amounts pledged related to OTC and exchange-traded derivative transactions.

Funding

Funding strategy

Core funding, comprising capital, longer-term wholesale liabilities and a diversified pool of personal and, to a lesser extent, commercial and institutional deposits, is the foundation of our structural liquidity position.

Deposit and funding profile

As at January 31, 2019, relationship-based deposits, which are the primary source of funding for retail loans and mortgages, were \$551 billion or 49% of our total funding (October 31, 2018 – \$545 billion or 50%). The remaining portion is comprised of short- and long-term wholesale funding.

Funding for highly liquid assets consists primarily of short-term wholesale funding that reflects the monetization period of those assets. Long-term wholesale funding is used mostly to fund less liquid wholesale assets and to support liquidity asset buffers.

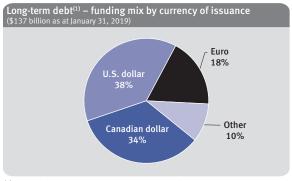
For further details on our wholesale funding, refer to the Composition of wholesale funding tables below.

Lona-term debt issuance

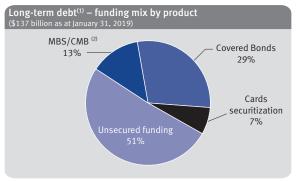
Our wholesale funding activities are well-diversified by geography, investor segment, instrument, currency, structure and maturity. We maintain an ongoing presence in different funding markets, which allows us to continuously monitor market developments and trends, identify opportunities and risks, and take appropriate and timely actions. We operate longer-term debt issuance registered programs. The following table summarizes these programs with their authorized limits by geography.

Programs by geography		
Canada	U.S.	Europe/Asia
Canadian Shelf Program – \$25 billion	• SEC Shelf Program – US\$40 billion	European Debt Issuance Program – US\$40 billion
		 Global Covered Bond Program – €32 billion
		• Japanese Issuance Programs – ¥1 trillion

We also raise long-term funding using Canadian Deposit Notes, Canadian National Housing Act MBS, Canada Mortgage Bonds, credit card receivable-backed securities, Kangaroo Bonds (issued in the Australian domestic market by foreign firms) and Yankee Certificates of Deposit (issued in the U.S. domestic market by foreign firms). We continuously evaluate opportunities to expand into new markets and untapped investor segments since diversification expands our wholesale funding flexibility, minimizes funding concentration and dependency, and generally reduces financing costs. As presented in the following charts, our current long-term debt profile is well-diversified by both currency and product. Maintaining competitive credit ratings is also critical to cost-effective funding.







- (1) Based on original term to maturity greater than 1 year
- 2) Mortgage-backed securities and Canada Mortgage Bonds

The following table provides our composition of wholesale funding based on remaining term to maturity:

Composition of wholesale funding (1)

		As at January 31, 2019														
	Le	ess than 1		1 to 3		3 to 6		6 to 12		Less than 1		1 year		2 years and		
(Millions of Canadian dollars)		month		months		months		months	ye	ar sub-total		to 2 years		greater		Total
Deposits from banks (2)	\$	4,141	\$	29	\$	709	\$	_	\$	4,879	\$	-	\$	_	\$	4,879
Certificates of deposit and commercial paper		5,461		16,769		16,232		15,804		54,266		66		131		54,463
Asset-backed commercial paper (3)		2,029		3,160		6,183		4,702		16,074		-		-		16,074
Senior unsecured medium-term notes (4)		121		7,400		6,180		4,282		17,983		25,540		31,213		74,736
Senior unsecured structured notes (5)		65		275		450		1,759		2,549		1,511		5,514		9,574
Mortgage securitization		-		527		513		1,109		2,149		3,660		11,597		17,406
Covered bonds/asset-backed securities (6)		1,313		3,338		1,503		3,932		10,086		12,167		26,836		49,089
Subordinated liabilities		-		-		1,000		2,095		3,095		2,499		3,798		9,392
Other (7)		9,373		2,810		3,189		1,855		17,227		157		9,065		26,449
Total	\$	22,503	\$	34,308	\$	35,959	\$	35,538	\$	128,308	\$	45,600	\$	88,154	\$	262,062
Of which:																
- Secured	\$	11,764	\$	8,945	\$	10,169	\$	10,794	\$	41,672	\$	15,827	\$	38,433	\$	95,932
– Unsecured		10,739		25,363		25,790		24,744		86,636	•	29,773	·	49,721	,	166,130

					As at Oct	ober	31, 2018			
(Millions of Canadian dollars)	L	ess than 1 month	1 to 3 months	3 to 6 months	6 to 12 months		Less than 1 ar sub-total	1 year to 2 years	2 years and greater	Total
Deposits from banks (2)	\$	4,507	\$ 10	\$ 42	\$ _	\$	4,559	\$ _	\$ _	\$ 4,559
Certificates of deposit and commercial paper		3,658	9,000	20,994	14,926		48,578	197	132	48,907
Asset-backed commercial paper (3)		1,908	2,581	5,877	6,197		16,563	_	_	16,563
Senior unsecured medium-term notes (4)		122	6,132	7,424	8,090		21,768	23,125	33,513	78,406
Senior unsecured structured notes (5)		185	215	353	693		1,446	2,603	5,608	9,657
Mortgage securitization		_	2,473	527	1,099		4,099	3,027	12,193	19,319
Covered bonds/asset-backed securities (6)		_	21	4,641	5,409		10,071	8,581	26,861	45,513
Subordinated liabilities		_	_	_	1,103		1,103	2,993	5,301	9,397
Other (7)		7,639	1,658	419	1,189		10,905	4	9,122	20,031
Total	\$	18,019	\$ 22,090	\$ 40,277	\$ 38,706	\$	119,092	\$ 40,530	\$ 92,730	\$ 252,352
Of which:										
- Secured	\$	8,292	\$ 5,666	\$ 11,045	\$ 12,706	\$	37,709	\$ 11,608	\$ 39,054	\$ 88,371
– Unsecured		9,727	16,424	29,232	26,000		81,383	28,922	53,676	163,981

- (1) Excludes bankers' acceptances and repos.
- (2) Excludes deposits associated with services we provide to banks (e.g., custody, cash management).
- (3) Only includes consolidated liabilities, including our collateralized commercial paper program.
- (4) Includes deposit notes.
- (5) Includes notes where the payout is tied to movements in foreign exchange, commodities and equities.
- (6) Includes credit card and mortgage loans.
- (7) Includes tender option bonds (secured) of \$8,240 million (October 31, 2018 \$6,978 million), bearer deposit notes (unsecured) of \$4,176 million (October 31, 2018 \$4,084 million), other long-term structured deposits (unsecured) of \$8,910 million (October 31, 2018 \$8,969 million), and FHLB advances (secured) of \$5,123 million (October 31, 2018 \$million).

Credit ratings

Our ability to access unsecured funding markets and to engage in certain collateralized business activities on a cost-effective basis are primarily dependent upon maintaining competitive credit ratings. Credit ratings and outlooks provided by rating agencies reflect their views and methodologies. Ratings are subject to change, based on a number of factors including, but not limited to, our financial strength, competitive position, liquidity and other factors not completely within our control.

The following table presents our major credit ratings (1):

Credit ratings

		As at February 21, 2019									
	Short-term debt	Legacy senior long-term debt (2)	Senior long- term debt (3)	Outlook							
Moody's (4)	P-1	Aa2	A2	stable							
Standard & Poor's (5)	A-1+	AA-	Α	stable							
Fitch Ratings (6)	F1+	AA	AA	stable							
DBRS (7)	R-1(high)	AA	AA (low)	positive							

- (1) Credit ratings are not recommendations to purchase, sell or hold a financial obligation inasmuch as they do not comment on market price or suitability for a particular investor. Ratings are determined by the rating agencies based on criteria established from time to time by them, and are subject to revision or withdrawal at any time by the rating organization.
- (2) Includes senior long-term debt issued prior to September 23, 2018 and senior long-term debt issued on or after September 23, 2018 which is excluded from the Canadian Bank Recapitalization (Bail-in) regime.
- (3) Includes senior long-term debt issued on or after September 23, 2018 which is subject to conversion under the Bail-in regime.
- (4) On July 16, 2018, Moody's upgraded our legacy senior long-term debt rating two notches and revised our outlook to stable from negative. On July 16, 2018, Moody's also announced our rating for senior long-term debt of A2.
- (5) On June 27, 2018, S&P revised our outlook to stable from negative. On August 16, 2018, S&P announced our rating for senior long-term debt of A.
- (6) On June 21, 2018, Fitch Ratings announced that our rating for senior long-term debt will be the same as our legacy senior long-term debt, as they did not expect any immediate rating changes as a result of the Bail-in regime. On October 22, 2018, Fitch Ratings affirmed our ratings with a stable outlook.
- (7) On June 26, 2018, DBRS revised our outlook to positive from stable. On April 19, 2018, DBRS announced our rating for senior long-term debt of AA (low).

Additional contractual obligations for rating downgrades

We are required to deliver collateral to certain counterparties in the event of a downgrade to our current credit rating. The following table provides the additional collateral obligations required at the reporting date in the event of a one-, two- or three-notch downgrade to our credit ratings. These additional collateral obligations are incremental requirements for each successive downgrade and do not represent the cumulative impact of multiple downgrades. The amounts reported change periodically as a result of several factors, including the transfer of trading activity to centrally cleared financial market infrastructures and exchanges, the expiration of transactions with downgrade triggers, the imposition of internal limitations on new agreements to exclude downgrade triggers, as well as normal course mark-to-market of positions with collateralized counterparties moving from a negative to a positive position. There is no outstanding senior debt issued in the market that contains rating triggers that would lead to early prepayment of principal.

Additional contractual obligations for rating downgrades

	As at											
	January 31 2019					October 31 2018						
(Millions of Canadian dollars)	One-notch Two-notch Three-notch downgrade downgrade downgrade					o-notch /ngrade						
Contractual derivatives funding or margin requirements Other contractual funding or margin requirements (1)	\$	179 185	\$	63 176	\$	150 –	\$	125 185	\$	45 176	\$	191 –

⁽¹⁾ Includes Guaranteed Investment Certificates (GICs) issued by our municipal markets business out of New York.

Liquidity Coverage Ratio (LCR)

The LCR is a Basel III metric that measures the sufficiency of high-quality liquid assets (HQLA) available to meet liquidity needs over a 30-day period in an acute stress scenario. The Basel Committee on Banking Supervision (BCBS) and OSFI regulatory minimum coverage level for LCR is currently 100%.

OSFI requires Canadian banks to disclose the LCR using the standard Basel disclosure template and calculated using the average of daily LCR positions during the quarter.

Liquidity coverage ratio common disclosure template (1)

		For the thre	e months ended	
	Janua 20:		Octob 20	
(Millions of Canadian dollars, except percentage amounts)	Total unweighted value (average) (2)	Total weighted value (average)	Total unweighted value (average) (2)	Total weighted value (average)
High-quality liquid assets				
Total high-quality liquid assets (HQLA)	n.a.	\$ 221,751	n.a.	\$ 212,818
Cash outflows				
Retail deposits and deposits from small business customers, of which:	\$ 257,222	19,754	\$ 252,514	19,398
Stable deposits (3)	85,262	2,558	83,611	2,508
Less stable deposits	171,960	17,196	168,903	16,890
Unsecured wholesale funding, of which:	291,119	132,359	285,140	129,249
Operational deposits (all counterparties) and deposits in networks of cooperative				
banks (4)	127,648	30,410	126,889	30,276
Non-operational deposits	141,227	79,705	136,572	77,294
Unsecured debt	22,244	22,244	21,679	21,679
Secured wholesale funding	n.a.	33,728	n.a.	29,837
Additional requirements, of which:	269,708	80,563	260,417	79,668
Outflows related to derivative exposures and other collateral requirements	64,633	44,379	61,154	42,867
Outflows related to loss of funding on debt products	4,532	4,532	6,232	6,232
Credit and liquidity facilities	200,543	31,652	193,031	30,569
Other contractual funding obligations (5)	19,966	19,966	26,811	26,811
Other contingent funding obligations (6)	427,209	7,601	420,344	7,557
Total cash outflows	n.a.	\$ 293,971	n.a.	\$ 292,520
Cash inflows				
Secured lending (e.g., reverse repos)	\$ 279,932	\$ 54,853	\$ 233,784	\$ 49,183
Inflows from fully performing exposures	13,697	9,631	14,345	10,156
Other cash inflows	56,739	56,739	59,683	59,683
Total cash inflows	n.a.	\$ 121,223	n.a.	\$ 119,022
		Total adjusted value		Total adjusted value
Total HOLA		\$ 221,751		\$ 212,818
Total net cash outflows		172,748		173,498
Liquidity coverage ratio		128%		123%

- (1) The LCR is calculated in accordance with OSFI's LAR guideline, which, in turn, reflects liquidity-related requirements issued by the BCBS. The LCR for the quarter ended January 31, 2019 is calculated as an average of 62 daily positions.
- (2) With the exception of other contingent funding obligations, unweighted inflow and outflow amounts are items maturing or callable in 30 days or less. Other contingent funding obligations also include debt securities with remaining maturity greater than 30 days.
- (3) As defined by the BCBS, stable deposits from retail and small business customers are deposits that are insured and are either held in transactional accounts or the bank has an established relationship with the client making the withdrawal unlikely.
- (4) Operational deposits from customers other than retail and small and medium-sized enterprises (SMEs), are deposits which clients need to keep with the bank in order to facilitate their access and ability to use payment and settlement systems primarily for clearing, custody and cash management activities.
- (5) Other contractual funding obligations primarily include outflows from unsettled securities trades and outflows from obligations related to securities sold short.
- (6) Other contingent funding obligations include outflows related to other off-balance sheet facilities that carry low LCR runoff factors (0% 5%).
- n.a. not applicable

We manage our LCR position within a target range that reflects our liquidity risk tolerance and takes into account business mix, asset composition and funding capabilities. The range is subject to periodic review in light of changes to internal requirements and external developments.

We maintain HQLAs in major currencies with dependable market depth and breadth. Our treasury management practices ensure that the levels of HQLA are actively managed to meet target LCR objectives. Our Level 1 assets, as calculated according to OSFI LAR and the BCBS LCR requirements, represent 84% of total HQLA. These assets consist of cash, placements with central banks and highly rated securities issued or guaranteed by governments, central banks and supranational entities.

LCR captures cash flows from on- and off-balance sheet activities that are either expected or could potentially occur within 30 days in an acute stress scenario. Cash outflows result from the application of withdrawal and non-renewal factors to demand and term deposits, differentiated by client type (wholesale, retail and small- and medium-sized enterprises). Cash outflows also arise from business activities that create contingent funding and collateral requirements, such as repo funding, derivatives, short sales of securities and the extension of credit and liquidity commitments to clients. Cash inflows arise primarily from maturing secured loans, interbank loans and non-HQLA securities.

LCR does not reflect any market funding capacity that we believe would be available in a stress situation. All maturing wholesale debt is assigned 100% outflow in the LCR calculation.

Q1 2019 vs. Q4 2018

The average LCR for the quarter ended January 31, 2019 was 128%, which translates into a surplus of approximately \$49 billion, compared to 123% in the prior quarter. The increase in the LCR surplus from the previous quarter is primarily due to a change in funding and business mix.

Contractual maturities of financial assets, financial liabilities and off-balance sheet items

The following tables provide remaining contractual maturity profiles of all our assets, liabilities, and off-balance sheet items at their carrying value (e.g., amortized cost or fair value) at the balance sheet date. Off-balance sheet items are allocated based on the expiry date of the contract.

Details of contractual maturities and commitments to extend funds are a source of information for the management of liquidity risk. Among other purposes, these details form a basis for modelling a behavioural balance sheet with effective maturities to calculate liquidity risk measures. For further details, refer to the Risk measurement section within the Liquidity and funding risk section of our 2018 Annual Report.

					As at Janu	ary 31, 2019				
(Millions of Canadian dollars)	Less than 1 month	1 to 3 months	3 to 6 months	6 to 9 months	9 to 12 months	1 year to 2 years	2 years to 5 years	5 years and greater	With no specific maturity	Total
Assets Cash and deposits with banks	\$ 76,344	\$ 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,339	\$ 78,686
Securities Trading (1) Investment, net of applicable	96,872	19	53	-	21	50	70	7,411	33,677	138,173
allowance Assets purchased under reverse repurchase agreements and securities	1,868	3,935	3,110	2,556	2,530	13,199	29,140	40,827	494	97,659
borrowed Loans, net of applicable allowance Other	179,266 20,699	64,013 16,596	21,311 26,144	10,609 23,958	13,659 27,730	610 124,862	- 215,764	- 47,888	8,192 86,179	297,660 589,820
Customers' liability under acceptances Derivatives Other financial assets	11,152 5,056 23,621	5,605 6,624 1,139	17 4,549 682	2,586 60	2 4,634 197	5 9,269 117	- 16,174 243	35,920 1,765	(31) 4 2,148	16,750 84,816 29,972
Total financial assets Other non-financial assets	\$ 414,878 2,129	\$ 97,934 1,300	\$ 55,866 416	\$ 39,769 493	\$ 48,773 627	\$ 148,112 1,142	\$ 261,391 1,291	\$ 133,811 1,402	\$ 133,002 23,871	\$ 1,333,536 32,671
Total assets	\$ 417,007	\$ 99,234	\$ 56,282	\$ 40,262	\$ 49,400	\$ 149,254	\$ 262,682	\$ 135,213	\$ 156,873	\$ 1,366,207
Liabilities and equity Deposits (2) Unsecured borrowing Secured borrowing Covered bonds	\$ 51,080 3,608 -	\$ 46,688 6,400 2,599	\$ 39,785 7,080 1,509	\$ 36,807 6,053 3,004	\$ 30,939 2,659 -	\$ 38,178 9,648 11,988	\$ 53,336 21,529 17,331	\$ 14,950 5,961 3,555	\$ 437,877 - -	\$ 749,640 62,938 39,986
Other Acceptances Obligations related to securities sold	11,149	5,605	16	2	-	6	-	-	3	16,781
short Obligations related to assets sold under repurchase agreements and	33,242	-	-	-	-	-	-	-	-	33,242
securities loaned Derivatives Other financial liabilities Subordinated debentures	183,875 5,450 27,942	29,749 6,902 2,000	2,892 4,535 2,543	159 3,041 1,435 102	3,811 371 -	496 7,960 162	- 14,816 588 317	35,244 6,894 8,836	7,358 7 810 -	224,529 81,766 42,745 9,255
Total financial liabilities Other non-financial liabilities Equity	\$ 316,346 1,156 -	\$ 99,943 847 -	\$ 58,360 191 -	\$ 50,603 902 -	\$ 37,780 1,957 -	\$ 68,438 643 -	\$ 107,917 768 -	\$ 75,440 10,043	\$ 446,055 8,168 80,650	\$ 1,260,882 24,675 80,650
Total liabilities and equity	\$ 317,502	\$100,790	\$ 58,551	\$ 51,505	\$ 39,737	\$ 69,081	\$ 108,685	\$ 85,483	\$ 534,873	\$ 1,366,207
Off-balance sheet items Financial guarantees Lease commitments Commitments to extend credit Other credit-related commitments Other commitments	\$ 291 66 1,372 574 23	\$ 1,450 131 5,036 1,047	\$ 2,598 200 8,245 1,477	\$ 1,933 199 10,037 1,098	\$ 3,074 191 15,554 1,425	\$ 1,506 724 35,718 494	\$ 4,764 1,558 172,094 699	\$ 713 2,820 14,821 114	\$ 51 - 209 102,298 527	\$ 16,380 5,889 263,086 109,226 550
Total off-balance sheet items	\$ 2,326	\$ 7,664	\$ 12,520	\$ 13,267	\$ 20,244	\$ 38,442	\$ 179,115	\$ 18,468	\$ 103,085	\$ 395,131

⁽¹⁾ Trading debt securities classified as FVTPL have been included in the less than 1 month category as there is no expectation to hold these assets to their contractual maturity.

⁽²⁾ A major portion of relationship-based deposits are repayable on demand or at short notice on a contractual basis while, in practice, these customer balances form a core base for our operations and liquidity needs, as explained in the preceding Deposit and funding profile section.

									As at Octo	ber	r 31, 2018						
															With no		
	Less than 1		1 to 3		3 to 6		6 to 9		9 to 12		1 year	2 years		5 years	specific		
(Millions of Canadian dollars)	month	1	months		months		months		months		to 2 years	to 5 years	ć	ind greater	maturity		Total
Assets			_			_		_					_			_	
Cash and deposits with banks	\$ 64,201	. \$	2	\$	-	\$	-	\$	-	\$	-	\$ -	\$	_	\$ 2,477	\$	66,680
Securities	07.554		20		22		4.6					7.2		(000	21512		420.250
Trading (1)	86,551	L	20		22		16		1		52	72		6,982	34,542		128,258
Investment, net of applicable allowance	2 520	,	(0		1 /10		2 502		2 200		12.000	25.061		20.207	367		04.600
Assets purchased under reverse	3,529	,	6,855		1,419		2,593		2,399		12,989	25,061		39,396	307		94,608
repurchase agreements and securities																	
borrowed	168,810)	66,854		28,828		10,298		11,692		552	_		_	7,568		294,602
Loans, net of applicable allowance	22,534		14,967		21,079		26,753		25,271		122,687	211,768		44,191	87,568		576,818
Other	22,55-	,	14,707		21,077		20,7 33		23,271		122,007	211,700		77,171	07,500		370,010
Customers' liability under acceptances	10,774	i	4,788		94		1		_		5	_		_	(21)	١	15,641
Derivatives	6,070		10,179		4,930		4,032		3,030		11,130	18,067		36,581	20		94,039
Other financial assets	25,670		873		938		78		157		112	231		1,758	2,120		31,937
Total financial assets	\$ 388,139		104,538	\$	57,310	\$	43,771	\$		¢		\$ 255,199	¢	128,908		¢	
Other non-financial assets	1,809		1,268	Ф	590	Ψ	364	Ф	559	Ф	971	1,352	Ψ	1,125	24,113	Ф	32,151
				_		_		_		_		-	_			_	
Total assets	\$ 389,948	3 \$	105,806	\$	57,900	\$	44,135	\$	43,109	\$	148,498	\$ 256,551	\$	130,033	\$ 158,/54	\$	1,334,/34
Liabilities and equity																	
Deposits (2)																	
Unsecured borrowing	\$ 46,793			\$	47,209	\$	30,511	\$		\$			\$		\$ 440,246	\$	735,850
Secured borrowing	2,340)	6,571		9,321		5,433		4,232		7,135	23,388		5,902	_		64,322
Covered bonds	-	-	-		2,579		1,499		2,982		10,022	16,360		3,432	_		36,874
Other	40 77		, 707		0.4				_		-						45.662
Acceptances	10,775)	4,787		94		1		_		5	_		_	_		15,662
Obligations related to securities sold short	22.247	,															22 247
Obligations related to assets sold	32,247		_		_		_		_		_	_		_	_		32,247
under repurchase agreements and																	
securities loaned	146,205	;	44,248		9,030		91		_		_	_		_	7,240		206,814
Derivatives	5,998		8,585		4,650		4,176		3,311		9,808	17,205		36,496	7,240		90,238
Other financial liabilities	27,414		1,003		582		233		414		154	522		6,784	733		37,839
Subordinated debentures		-	-		-				103		_	318		8,710	, , , , ,		9,131
Total financial liabilities	\$ 271,772	\$	99,043	¢	73,465	\$	41,944	\$	47,158	\$	61 765	\$ 108,585	¢	77.017	\$ 448,228	\$	1 228 077
Other non-financial liabilities	992		5,045	Ф	346	Ψ	183	Ф	157	Ф	765	868	Ψ	9,449	7,947	Ф	25,802
Equity	-	-	J,0/J		740		105		- 157		, 05	-), ,,,,	79,955		79,955
Total liabilities and equity	\$ 272,764	· ¢	104,138	¢	73,811	¢	42,127	¢	47,315	¢	62 530	\$ 109,453	¢	96 466	\$ 536,130	¢	
· · ·	\$ 272,702	+ ψ	104,136	Ψ	73,011	Ψ	42,127	Ψ	47,515	Ψ	02,330	\$ 109,433	Ψ	80,400	\$ 330,130	Ψ	1,554,754
Off-balance sheet items	¢ 500		2.026	4	4 (1 7	4	2 (0(4	4 227	4	4 040	¢ (470	4	4 4 2 5	f 50	4	45 502
Financial guarantees		\$,	Þ	1,647	Þ	2,696 199	\$	1,337 194	\$	1,910 695	. ,	Þ	1,125		Þ	15,502
Lease commitments Commitments to extend credit	66 4.122		131 3,417		194 8,736		9,667		11,406		33,030	1,517 168,071		2,814 23,899	269		5,810 262,617
Other credit-related commitments	4,122 577		795		1,586		1,498		1,324		478	680		23,899	107,499		114,585
Other credit-related commitments Other commitments	141		795		1,500		1,498		1,524		4/8	080		148	556		697
				_	-	_			-	_			_			_	
Total off-balance sheet items	\$ 5,438	5 \$	6,369	\$	12,163	\$	14,060	\$	14,261	\$	36,113	\$ 174,447	\$	27,986	\$ 108,374	\$	399,211

- (1) Trading debt securities classified as FVTPL have been included in the less than 1 month category as there is no expectation to hold these assets to their contractual maturity.
- (2) A major portion of relationship-based deposits are repayable on demand or at short notice on a contractual basis while, in practice, these customer balances form a core base for our operations and liquidity needs, as explained in the preceding Deposit and funding profile section.

Capital management

We continue to manage our capital in accordance with our Capital Management Framework as described in our 2018 Annual Report. In addition, we continue to monitor and prepare for new regulatory capital developments, including the BCBS Basel III reforms, in order to ensure timely and accurate compliance with these requirements. For additional details on new regulatory developments that relate to our Capital Management Framework, refer to the Capital, liquidity and other regulatory developments section of this Q1 2019 Report to Shareholders.

OSFI expects Canadian banks to meet the Basel III targets for CET1, Tier 1 and Total capital ratios. Effective January 1, 2014, OSFI allowed Canadian banks to phase in the Basel III Credit Valuation Adjustment (CVA) risk capital charge over a five-year period ending December 31, 2018. As of January 1, 2019, the CVA scalars were fully phased-in for each tier of capital, resulting in all tiers of capital having the same risk weighted assets value. In fiscal 2018, the CVA scalars were 80%, 83% and 86% for CET1, Tier 1 and Total capital, respectively.

The Financial Stability Board (FSB) has designated us as a Global Systemically Important Bank (G-SIB). This designation requires us to maintain a higher loss absorbency requirement (common equity as a percentage of risk-weighted assets) of 1%. As the Domestic Systemically Important Bank (D-SIB) requirement is equivalent to the G-SIB requirement of 1% of RWA, the G-SIB designation had no further impact to the loss absorbency requirements on our CET1 ratio. We provide our G-SIB assessment indicators below.

On April 18, 2018, OSFI released its final guideline on Total Loss Absorbing Capacity (TLAC), which applies to Canadian D-SIBs as part of the Federal Government's Bail-in Regime. The guideline is consistent with the TLAC standard released on November 9, 2015, by the FSB for institutions designated as G-SIBs, but tailored to the Canadian context. The TLAC requirement is intended to address the sufficiency of a systemically important banks loss absorbing capacity in supporting its recapitalization in the event of its failure. TLAC is defined as the aggregate of Tier 1 capital, Tier 2 capital, and other TLAC instruments, which allow conversion in whole or in part into common shares under the Canada Deposit Insurance Corporation (CDIC) Act and meet all of the eligibility criteria under the guideline.

TLAC requirements established two minimum standards, which are required to be met effective November 1, 2021: the risk-based TLAC ratio, which builds on the risk-based capital ratios described in the Capital Adequacy Requirements (CAR) guideline, and the TLAC leverage ratio, which builds on the leverage ratio described in OSFI's Leverage Requirements guideline. The risk-based TLAC ratio is defined as TLAC divided by Total risk-weighted assets (RWA) while the TLAC leverage ratio is defined as TLAC divided by the Leverage ratio exposure. OSFI has provided notification requiring systemically important banks to maintain a minimum TLAC ratio of 23.25%, which includes the revised Domestic Stability Buffer (DSB) as noted below, and a TLAC leverage ratio of 6.75%. We began issuing bail-in eligible debt in the fourth quarter of 2018 and this has contributed to improving our TLAC ratio. We expect our TLAC ratio to improve through normal course refinancing of maturing unsecured term debt.

Effective November 1, 2018, we are required to adopt OSFI's revisions to the CAR guidelines relating to the securitization framework and the standardized approach for measuring counterparty credit risk (SA-CCR).

For further details on regulatory developments, refer to the Capital, liquidity and other regulatory developments section of this Q1 2019 Report to Shareholders.

The following table provides a summary of OSFI's current regulatory target ratios under Basel III and Pillar 2 requirements. We are in compliance with all current capital and leverage requirements imposed by OSFI:

Decel III	OSFI reg	ulatory targe	et requiremer	nts for large ban	ks under Basel III	RBC capital and	D	Minimum including Capital Buffers,
Basel III Capital ratios and leverage	Minimim		D-SIB/G-SIB Surcharge (2)	Minimum including Capital Buffers and D-SIB/G-SIB surcharge (2)	leverage ratios as at January 31, 2019	Domestic Stability Buffer (3)	D-SIB/G-SIB surcharge and Domestic Stability Buffer	
Common Equity Tier 1	> 4.5%	2.5%	> 7.0%	1.0%	> 8.0%	11.4%	1.5%	> 9.5%
Tier 1 capital	> 6.0%	2.5%	> 8.5%	1.0%	> 9.5%	12.7%	1.5%	>11.0%
Total capital	> 8.0%	2.5%	> 10.5%	1.0%	> 11.5%	14.5%	1.5%	>13.0%
Leverage ratio	> 3.0%	n.a.	> 3.0%	n.a.	> 3.0%	4.3%	n.a.	> 3.0%

- (1) The capital buffers include the capital conservation buffer and the countercyclical capital buffer as prescribed by OSFI.
- (2) A capital surcharge, equal to the higher of our D-SIB surcharge and the BCBS's G-SIB surcharge, is applicable to risk-weighted capital.
- (3) Effective June 20, 2018, OSFI required the public disclosure of their Pillar 2 DSB. Effective April 30, 2019, OSFI has raised the level for the DSB to 1.75% of RWA.
- n.a. not applicable

The following table provides details on our regulatory capital, RWA, and capital and leverage ratios. Our capital position remains strong and our capital and leverage ratios remain well above OSFI regulatory targets.

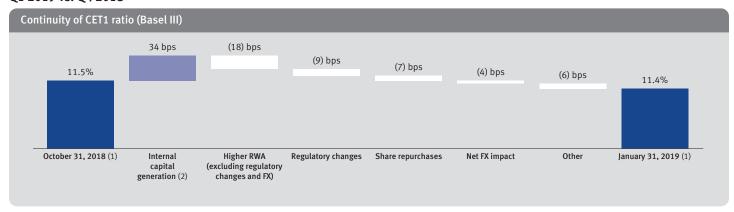
		As at	
	January 31	October 31	January 31
(Millions of Canadian dollars, except percentage amounts and as otherwise noted)	2019	2018	2018
Capital (1)			
CET1 capital	\$ 57,963	\$ 57,001	\$ 51,145
Tier 1 capital	64,341	63,279	57,925
Total capital	73,758	72,494	66,984
Risk-weighted Assets (RWA) used in calculation of capital ratios (1), (2)			
CET1 capital RWA	\$ 508,512	\$ 495,528	\$ 466,758
Tier 1 capital RWA	508,512	495,993	466,758
Total capital RWA	508,512	496,459	466,758
Total capital RWA consisting of: (1)			
Credit risk	\$ 410,003	\$ 401,534	\$ 375,260
Market risk	34,862	32,209	30,100
Operational risk	63,647	62,716	60,119
Regulatory floor adjustment (3)	_	_	1,279
Total capital RWA	\$ 508,512	\$ 496,459	\$ 466,758
Capital ratios and Leverage ratio (1)			
CET1 ratio	11.4%	11.5%	11.0%
Tier 1 capital ratio	12.7%	12.8%	12.4%
Total capital ratio	14.5%	14.6%	14.4%
Leverage ratio	4.3%	4.4%	4.2%
Leverage ratio exposure (billions)	\$ 1,501.8	\$ 1,450.8	\$ 1,363.9

⁽¹⁾ Capital, RWA, and capital ratios are calculated using OSFI's Capital Adequacy Requirements based on the Basel III framework. The Leverage ratio is calculated using OSFI Leverage Requirements Guideline based on the Basel III framework.

⁽²⁾ In fiscal 2018, amounts included CVA scalars of 80%, 83% and 86%, respectively.

⁽³⁾ Since the introduction of Basel II in 2008, OSFI has prescribed a capital floor requirement for institutions that use the advanced internal ratings-based (AIRB) approach for credit risk. Effective February 1, 2018, the minimum capital floor will be required if the capital requirement under the Basel III Standards, as specified by OSFI, is less than 75% of the RWA based on the standardized Basel II approach. Prior to February 1, 2018, the threshold was 90% of the capital requirements as calculated under Basel I.

Q1 2019 vs. Q4 2018



- (1) Represents rounded figures.
- (2) Internal capital generation of \$1.7 billion which represents Net income available to shareholders, less common and preferred shares dividends.

Our CET1 ratio was 11.4%, down 10 bps from last quarter, mainly reflecting higher RWA due to business growth, regulatory changes relating to the phase-out of the CVA scalars and revisions to the CAR guidelines, as noted previously, and share repurchases, partially offset by internal capital generation.

CET1 capital RWA increased \$13 billion, driven by business growth in wholesale and retail lending, and market risk portfolios. The impact of regulatory changes in the current quarter also contributed to the increase.

Our Tier 1 capital ratio of 12.7% was down 10 bps, reflecting the factors noted above under the CET1 ratio. Tier 1 capital ratio was also favourably impacted by net preferred share issuances.

Our Total capital ratio of 14.5% was down 10 bps, reflecting the factors noted above under the Tier 1 ratio.

Our Leverage ratio of 4.3% was down 10 bps from last quarter, primarily due to growth in leverage ratio exposures, mainly in loans and securities, regulatory changes, and share repurchases, partially offset by internal capital generation.

Selected capital management activity

The following table provides our selected capital management activity:

		ee months ended ary 31, 2019	
(Millions of Canadian dollars, except number of shares)	Issuance or redemption date	Number of shares (000s)	Amount
Tier 1 capital			
Common shares activity			
Issued in connection with share-based compensation plans (1)		159	\$ 11
Purchased for cancellation		(3,684)	(45)
Issuance of preferred shares, Series BO (2)	November 2, 2018	14,000	350
Redemption of preferred shares, Series AD (2)	November 24, 2018	(10,000)	(250)

- (1) Amounts include cash received for stock options exercised during the period and includes fair value adjustments to stock options.
- (2) For further details, refer to Note 9 of our Condensed Financial Statements.

On February 23, 2018, we announced a normal course issuer bid (NCIB) to purchase up to 30 million of our common shares. The NCIB commenced on February 27, 2018 and will continue until February 26, 2019 or such earlier date as we complete the repurchase of all shares permitted under the bid. We determine the amount and timing of the purchases under the NCIB, subject to prior consultation with OSFI. Purchases may be made through the TSX, the NYSE and other designated exchanges and alternative Canadian trading systems. The price paid for repurchased shares is at the prevailing market price at the time of acquisition.

For the three-months ended January 31, 2019, the total number of common shares repurchased and cancelled under our NCIB program was approximately 3.7 million. The total cost of the shares repurchased was \$348 million.

Since the inception of the current NCIB, the total number of common shares repurchased and cancelled under our NCIB program was approximately 9.7 million, at a cost of approximately \$947 million.

On November 2, 2018, we issued 14 million Non-Cumulative 5-Year Rate Reset Preferred Shares Series BO at a price of \$25 per share.

On November 24, 2018, we redeemed all 10 million Non-Cumulative First Preferred Shares Series AD at a price of \$25 per share.

We have also announced our intention to redeem all 2.4 million Non-Cumulative Floating Rate First Preferred Shares Series AK, all 13.6 million Non-Cumulative 5-Year Rate Reset First Preferred Shares Series AJ, and all 12 million Non-Cumulative 5-Year Rate Reset First Preferred Shares Series AL, on February 24, 2019. The shares will be redeemed at a price of \$25 per share.

Selected share data

	As at January 31, 2019							
(Millions of Canadian dollars, except number of shares and as otherwise noted)	Number of shares (000s)		Amount		Dividends clared per share			
Common shares issued (1) Treasury shares – common shares	1,435,505 (432)	\$	17,601 (36)	\$	0.98			
Common shares outstanding	1,435,073	\$	17,565					
Stock options and awards								
Outstanding	9,435							
Exercisable	4,589							
First preferred shares issued								
Non-cumulative Series W (2)	12,000	\$	300	\$	0.31			
Non-cumulative Series AA	12,000		300		0.28			
Non-cumulative Series AC	8,000		200		0.29			
Non-cumulative Series AE	10,000		250		0.28			
Non-cumulative Series AF	8,000		200		0.28			
Non-cumulative Series AG	10,000		250		0.28			
Non-cumulative Series AJ (3)	13,579		339		0.22			
Non-cumulative Series AK (3)	2,421		61		0.23			
Non-cumulative Series AL (3)	12,000		300		0.27			
Non-cumulative Series AZ (3), (4)	20,000		500		0.25			
Non-cumulative Series BB (3), (4)	20,000		500		0.24			
Non-cumulative Series BD (3), (4)	24,000		600		0.23			
Non-cumulative Series BF (3), (4)	12,000		300		0.23			
Non-cumulative Series BH (4)	6,000		150		0.31			
Non-cumulative Series BI (4)	6,000		150		0.31			
Non-cumulative Series BJ (4)	6,000		150		0.33			
Non-cumulative Series BK (3), (4)	29,000		725		0.34			
Non-cumulative Series BM (3), (4)	30,000		750		0.34			
Non-cumulative Series BO (3), (4)	14,000		350		0.37			
Non-cumulative Series C-2 (5)	20		31	USŞ	16.88			
Preferred shares issued	255,020	\$	6,406					
Treasury shares – preferred shares (6)	7		-					
Preferred shares outstanding	255,027	\$	6,406					
Dividends								
Common		\$	1,407					
Preferred			74					

- (1) For further details about our capital management activity, refer to Note 9 of our Condensed Financial Statements.
- (2) Effective February 24, 2010, we have the right to convert these shares into common shares at our option, subject to certain restrictions.
- (3) Dividend rate will reset every five years.
- (4) Non-viable contingent capital (NVCC) instruments.
- (5) Represents 815,400 depositary shares relating to preferred shares Series C-2. Each depositary share represents one-fortieth interest in a share of Series C-2.
- (6) Positive amounts represent a short position in treasury shares.

As at February 15, 2019, the number of outstanding common shares were 1,435,383,084, net of treasury shares held of 207,046 and the number of stock options and awards were 9,347,472.

NVCC provisions require the conversion of the capital instrument into a variable number of common shares in the event that OSFI deems a bank to be non-viable or a federal or provincial government in Canada publicly announces that a bank has accepted or agreed to accept a capital injection. If a NVCC trigger event were to occur, our NVCC capital instruments, which are the preferred shares Series AZ, preferred shares Series BB, preferred shares Series BD, preferred shares Series BH, preferred shares Series BI, preferred shares Series BK, preferred shares Series BM, preferred shares Series BO, subordinated debentures due on July 17, 2024, subordinated debentures due on September 29, 2026, subordinated debentures due on January 20, 2026 and subordinated debentures due on January 27, 2026, would be converted into RBC common shares pursuant to an automatic conversion formula with a conversion price based on the greater of: (i) a contractual floor price of \$5.00, and (ii) the current market price of our common shares at the time of the trigger event (10-day weighted average). Based on a floor price of \$5.00 and including an estimate for accrued dividends and interest, these NVCC capital instruments would convert into a maximum of 2,820 million RBC common shares, in aggregate, which would represent a dilution impact of 66.28% based on the number of RBC common shares outstanding as at January 31, 2019.

Global systemically important banks (G-SIBs) 12 assessment indicators (1)

The BCBS and FSB use 12 indicators in the assessment methodology for determining the systemic importance of large global banks. As noted previously, we are designated as a G-SIB. The following table provides the 12 indicators used in the G-SIB assessment:

	As at				
	October 31	October 31			
(Millions of Canadian dollars)	2018	2017			
Cross-jurisdictional activity (2)					
Cross-jurisdictional claims	\$ 612,292	\$ 507,554			
Cross-jurisdictional liabilities	441,686	337,153			
Size (3)					
Total exposures as defined for use in the Basel III leverage ratio	1,467,438	1,331,641			
Interconnectedness (4)					
Intra-financial system assets	126,112	144,688			
Intra-financial system liabilities	140,979	130,724			
Securities outstanding	353,591	351,781			
Substitutability/financial institution infrastructure (5)					
Payment activity	42,917,581	37,964,746			
Assets under custody	4,262,294	4,061,111			
Underwritten transactions in debt and equity markets	245,992	235,431			
Complexity (6)					
Notional amount of over-the-counter derivatives	17,467,923	12,937,404			
Trading and investment securities (7) (8)	55,855	53,781			
Level 3 assets	2,549	3,574			

- The G-SIBs indicators are prepared based on the methodology prescribed in BCBS guidelines published in July 2013 and instructions provided by BCBS in January 2019. The indicators are based on regulatory scope of consolidation, which excludes RBC Insurance subsidiaries. For our 2018 standalone G-SIB disclosure, please refer to our Regulatory Disclosures at rbc.com/investorrelations/.
- Represents a bank's level of interaction outside its domestic jurisdiction.
- (3) Represents the total on- and off- balance sheet exposures of the bank determined as per the Basel III leverage ratio rules before regulatory adjustments.
- (4) Represents transactions with other financial institutions.
- Represents the extent to which the bank's services could be substituted by other institutions. (5)
- Includes the level of complexity and volume of a bank's trading activities represented through derivatives, trading securities, investment securities and level 3 assets.
- Effective November 1, 2017, investment securities represent debt and equity securities at FVOCI and debt securities at amortized cost, net of the applicable allowance, under IFRS 9. Prior to November 1, 2017, investment securities represented available-for-sale securities and held-to-maturity securities, under IAS 39.
- Amounts have been revised from those previously presented.

Q4 2018 vs. Q4 2017

During 2018, notional amounts for over-the-counter derivatives increased mainly due to higher trading activity on interest rate swaps and forward rate agreements. Total exposures as defined for use in the Basel III leverage ratio increased due to client activity in our assets purchased under reverse repurchase agreements and securities borrowed, and volume growth in loans (net of allowance for loan losses). Other movements from the prior year primarily reflect normal changes in business activity and the impact of foreign currency translation.

Capital, liquidity, and other regulatory developments

Pillar 3 disclosure requirements

In December 2018, the BCBS issued its third and final phase of the Pillar 3 disclosure requirements, Pillar 3 disclosure requirements – updated framework. This phase incorporates revisions and additions to the Pillar 3 framework arising from the finalization of the Basel III reforms in December 2017, such as additional disclosure requirements comparing RWA as determined by banks' internal models against results based on the standardized approach, and new disclosure requirements on asset encumbrance and capital distribution constraints. The phase three requirements, together with the phase one and two disclosure requirements released in January 2015 and March 2017, respectively, complete the Pillar 3 framework.

The phase one requirements were effective for us in the fourth quarter of 2018. At this time, OSFI has not yet released the implementation date for the BCBS phase two and three disclosure requirements. We expect consultations to begin in mid-2019.

Minimum Capital Requirements for Market Risk

On January 19, 2019, the BCBS released its final standards on the Minimum capital requirement for market risk, which replaces an earlier version published in January 2016. The revisions refined the standardized approach framework, clarified the scope of exposures subject to market risk capital requirements, revised the assessment process for evaluating the adequacy of internal risk management models, and revised the requirements for identifying risk factors eligible for internal modelling. The BCBS expects member jurisdictions to implement these revisions by 2022. OSFI has not yet released their final guidance and expected implementation date.

Domestic Stability Buffer

In December 2018, OSFI announced that the DSB will be increased from 1.5% to 1.75% of total RWA, effective April 30, 2019. This change arose from OSFI's semi-annual review of the DSB, based on its ongoing monitoring of federally regulated financial institutions as well as system-wide and industry developments. We do not anticipate any challenges in meeting this requirement by the effective date.

For a discussion on risk factors resulting from these and other regulatory developments which may affect our business and financial results, refer to the Risk management - Top and emerging risks and Legal and regulatory environment risk sections of our 2018

Royal Bank of Canada First Quarter 2019

Annual Report and the Economic, market and regulatory review and outlook section of this Q1 2019 Report to Shareholders. For further details on our framework and activities to manage risks, refer to the risk and Capital management sections of our 2018 Annual Report and the Risk management and Capital management sections of this Q1 2019 Report to Shareholders.

Accounting and control matters

Summary of accounting policies and estimates

Our Condensed Financial Statements are presented in compliance with International Accounting Standard (IAS) 34 *Interim Financial Reporting*. Our significant accounting policies are described in Note 2 of our audited 2018 Annual Consolidated Financial Statements and our Q1 2019 Condensed Financial Statements.

Changes in accounting policies and disclosures

Changes in accounting policies

During the first quarter, we adopted *IFRS 15 Revenue from Contracts with Customers* (IFRS 15). As permitted by the transition provisions of IFRS 15, we elected not to restate comparative period results; accordingly, all comparative period information prior to November 1, 2018 is presented in accordance with our previous accounting policies, as described in our 2018 Annual Report. As a result of the adoption of IFRS 15, we adjusted our opening retained earnings as at November 1, 2018 to align the recognition of certain fees with the transfer of the performance obligations. Refer to Note 2 of our Condensed Financial Statements for details of these changes.

Future changes in accounting policies and disclosures

Future changes in accounting policies and disclosures that are not yet effective for us are described in Note 2 of our audited 2018 Annual Consolidated Financial Statements.

Controls and procedures

Disclosure controls and procedures

As of January 31, 2019, management evaluated, under the supervision of and with the participation of the President and Chief Executive Officer and the Chief Financial Officer, the effectiveness of our disclosure controls and procedures as defined under rules adopted by the U.S. SEC. Based on that evaluation, the President and Chief Executive Officer and the Chief Financial Officer concluded that our disclosure controls and procedures were effective as of January 31, 2019.

Internal control over financial reporting

No changes were made in our internal control over financial reporting during the quarter ended January 31, 2019 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Related party transactions

In the ordinary course of business, we provide normal banking services and operational services, and enter into other transactions with associated and other related corporations, including our joint venture entities, on terms similar to those offered to non-related parties. We grant loans to directors, officers and other employees at rates normally accorded to preferred clients. In addition, we offer deferred share and other plans to non-employee directors, executives and certain other key employees. For further information, refer to Notes 11 and 26 of our audited 2018 Annual Consolidated Financial Statements.

EDTF recommendations index

We aim to present transparent, high-quality risk disclosures by providing disclosures in our 2018 Annual Report, Q1 2019 Report to Shareholders (RTS), Supplementary Financial Information package (SFI), and Pillar 3 Report, in accordance with recommendations from the Financial Stability Board's (FSB) Enhanced Disclosure Task Force (EDTF). Information within the SFI and Pillar 3 Report is not and should not be considered incorporated by reference into our Q1 2019 Report to Shareholders.

The following index summarizes our disclosure by EDTF recommendation:

		_	Loca	tion of disclosur	
Type of Risk	Recommendation	Disclosure	RTS page	Annual Report page	SFI page
	1	Table of contents for EDTF risk disclosure	44	112	1
	2	Define risk terminology and measures		50, 52-55	_
General				213-214	
	3	Top and emerging risks		50-51	_
	4	New regulatory ratios	38-39	91-93	
Risk governance, risk	5	Risk management organization		50, 52-55	-
management and	6	Risk culture		52-55	_
business model	7	Risk in the context of our business activities		98	_
	8	Stress testing		53-54, 67	
	9	Minimum Basel III capital ratios and Domestic	39	91-93	-
		systemically important bank surcharge			
	10	Composition of capital and reconciliation of the		_	20-23
		accounting balance sheet to the regulatory			
	11	balance sheet			2.4
Capital adequacy and	I 11	Flow statement of the movements in regulatory capital		_	24
risk-weighted	12	Capital strategic planning		90-93	_
assets (RWA)	13	RWA by business segments		-	26
, ,	14	Analysis of capital requirement, and related		56-59	25,*
		measurement model information			-,
	15	RWA credit risk and related risk measurements		_	*
	16	Movement of risk-weighted assets by risk type		_	26
	17	Basel back-testing		53, 56-57	40
Liquidity	18	Quantitative and qualitative analysis of our liquidity reserve	31-32	73-75 , 79-80	-
	19	Encumbered and unencumbered assets by balance sheet category, and contractual obligations for rating downgrades	32-33,35	75,78	-
Funding	20	Maturity analysis of consolidated total assets, liabilities and off-balance sheet commitments analyzed by remaining contractual maturity at the balance sheet date	37-38	80-81	-
	21	Sources of funding and funding strategy	33-34	75-77	_
	22	Relationship between the market risk measures for trading and non-trading portfolios and the balance sheet	30-31	71-72	_
Market risk	23	Decomposition of market risk factors	27-30	67-70	_
Mainet 113N	24	Market risk validation and back-testing	50	67	_
	25	Primary risk management techniques beyond reported risk measures and parameters		67-70	_
	26	Bank's credit risk profile	21-27	56-66,	29-40,
		Quantitative summary of aggregate credit risk	58-61	159-165	-,
		exposures that reconciles to the balance sheet		106-111	*
	27	Policies for identifying impaired loans		57-59,	_
				101-102,	
				123-126,	
Credit risk	20	Deconciliation of the enemies and election heles		128-129	24 27
C. Care Hon	28	Reconciliation of the opening and closing balances of impaired loans and impairment allowances during the year		_	31,36
	29	Quantification of gross notional exposure for OTC		60	42
	30	derivatives or exchange-traded derivatives		59	39
	υ	Credit risk mitigation, including collateral held for all sources of credit risk		כל	39
Other	31	Other risk types		83-90	
Otilei	32	Publicly known risk events		86-87,	_
	J =			202-203	

^{*} These disclosure requirements are satisfied or partially satisfied by disclosures provided in our Pillar 3 Report for the quarter ended January 31, 2019 and for the year ended October 31, 2018.

Royal Bank of Canada First Quarter 2019

Interim Condensed Consolidated Financial Statements (unaudited)

Interim Condensed Consolidated Balance Sheets (unaudited)

		s at
(Millions of Canadian dollars)	January 31 2019	October 31 2018
Assets		
Cash and due from banks	\$ 40,033	\$ 30,209
Interest-bearing deposits with banks	38,653	36,471
Securities		
Trading	138,173	128,258
Investment, net of applicable allowance (Note 4)	97,659	94,608
	235,832	222,866
Assets purchased under reverse repurchase agreements and securities borrowed	297,660	294,602
Loans (Note 5)	404 747	200 (52
Retail Wholesale	401,767 191,114	399,452 180,278
Wildlesdie	592,881	579,730
Allowance for loan losses (Note 5)	(3,061)	
	589,820	576,818
Segregated fund net assets	1,443	1,368
Other	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Customers' liability under acceptances	16,750	15,641
Derivatives	84,816	94,039
Premises and equipment	2,918	2,832
Goodwill Other intangibles	11,149 4,711	11,137 4,687
Other assets	42,422	44,064
	162,766	172,400
Total assets	\$ 1,366,207	\$ 1,334,734
Liabilities and equity		
Deposits (Note 6)	Ć 200 474	¢ 270.454
Personal Reviness and reversment	\$ 280,171	\$ 270,154 534,371
Business and government Bank	540,234 32,159	32,521
Built	852,564	837,046
Segregated fund net liabilities	1,443	1,368
Other	1,117	1,500
Acceptances	16,781	15,662
Obligations related to securities sold short	33,242	32,247
Obligations related to assets sold under repurchase agreements and securities loaned	224,529	206,814
Derivatives Insurance claims and policy benefit liabilities	81,766 10,512	90,238 10,000
Other liabilities	55,465	52,273
	422,295	407,234
Subordinated debentures	9,255	9,131
Total liabilities	1,285,557	1,254,779
Equity attributable to shareholders		. , , , , ,
Preferred shares (Note 9)	6,406	6,309
Common shares (Note 9)	17,565	17,617
Retained earnings	52,208	51,112
Other components of equity	4,374	4,823
Non-controlling interests	80,553 97	79 , 861
Total equity	80,650	79,955
Total liabilities and equity	\$ 1,366,207	\$ 1,334,734

Interim Condensed Consolidated Statements of Income (unaudited)

Namines of disable robles, peer per share amounts) 20 20 Interest and divided income (lote 1) 1,000		For the three	months ended
Securities	(Millions of Canadian dollars, except per share amounts)		January 31 2018
Securities 1,666 1,14	Interest and dividend income (Note 3)		
Assets purchased under reverse repurchase agreements and securities borrowed peopoits and other 1,48 1,14 Deposits and other 10,149 7,50 Obeposits and other 3,225 1,98 Other Itabilities 1,98 1,00 Subordinated debentures 92 1,75 Subordinated debentures 92 3,00 Insurance premiums, investment and fee income 1,57 3,00 Insurance premiums, investment and fee income 1,57 3,18 Investment management and custodial fees 1,50 3,3 Investment management and custodial fees 1,50 3,3 Securities brokerage commissions 34 3 Securities brokerage commissions 46 4 Securities brokerage commissions 46 4 Underwriting and other advisory fees 345 5 Service charges 34 3 Underwriting and other advisory fees 34 3 Oriengin exchange revenue, other than trading 2 2 Card service revenue 3 3 3 <td>Loans</td> <td>\$ 6,160</td> <td>\$ 4,973</td>	Loans	\$ 6,160	\$ 4,973
Deposits and other 145 17, 50 Interest expense (wine	Securities	1,696	1,354
10,149 7,54 Deposits and other 3,225 1,94 Other liabilities 1,948 1,04 Subordinated debentures 92 Subordinated debentures 92 7,525 Subordinated debentures 93 7,525 Subordinated permisures 93 7,525 Subordinated permisures 93 7,525 Subordinated permisures 93 7,525 Subordinated permisures 93 7		2,148	1,108
Deposits and other	Deposits and other	145	105
Deposits and other 3,225 1,98 1,09 1,98 1,09 1,98 1,09 1,09 1,00 </td <td></td> <td>10,149</td> <td>7,540</td>		10,149	7,540
Other liabilities 1,948 1,00 Subordinated debentures 92 3,00 Vet interest income 4,848 4,44 Von-interest income 4,878 4,44 Von-interest income 1,579 1,17 Insurance premiums, investment and fee income 1,579 1,17 Trading revenue 358 3 Investment management and custodial fees 4,83 38 Securities brokerage commissions 342 33 Securities brokerage commissions 468 44 Securities brokerage commissions 468 44 Securities brokerage commissions 468 44 Underwriting and other advisory fees 468 44 Underwriting and other advisory fees 468 44 Cerd fees 468 44 Card service revenue 229 22 Card service revenue 325 22 Credit fees 33 44 Credit fees 33 44 Potes of this joint ventures and associates	Interest expense (Note 3)		
Subordinated debentures 92 3 No. 1, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,			1,987
Net interest income 4,884 4,44 Non-interest income 1,579 1,14 Trading revenue 358 33 Investment management and custodial fees 1,450 1,33 Mutual fund revenue 873 88 33 Securities brokerage commissions 342 23 Securities brokerage commissions 342 23 Service charges 468 44 Underwitting and other advisory fees 345 54 Foreign exchange revenue, other than trading 249 22 Card service revenue 282 22 Card service revenue 315 33 Net gains on investment securities (Note 4) 46 Trading in on investment securities (Note 4) 46 Share of profit in joint ventures and associates 15 3 Other 383 34 Other 40 50 Other 40 50 Other 40 50 Other 50 5			
Non-interest income 1,579 1,11 1,579 1,11 1,579 1,11 1,579 1,11 1,579 1,11 1,579 1,11 1,579 1,11 1,579 1,11 1,579 1,11 1,579 1,11 1,579 1,11 1,579 1,13 1,13 1,3	Subordinated depentures		74
Insurance premiums, investment and fee income			3,095
Insurance premiums, investment and fee income	Net interest income	4,884	4,445
Trading revenue 358 358 Investment management and custodial fees 1,450 1,35 Mutual fund revenue 873 38 Securities brokerage commissions 342 33 Service charges 468 44 Underwriting and other advisory fees 345 55 Foreign exchange revenue, other than trading 249 22 Card service revenue 282 22 Credit fees 315 35 Not gains on investment securities (Note 4) 46 31 Share of profit in joint ventures and associates 15 46 Other 383 44 Other 11,589 10.8 Poticial revenue 12,25 85 Notation for credit losses (Notes 4 and 5) 3 <t< td=""><td>Non-interest income</td><td></td><td></td></t<>	Non-interest income		
Investment management and custodial fees			1,144
Muttal fund revenue 873 88 Securities brokerage commissions 342 23 Service charges 468 44 Underwriting and other advisory fees 345 56 Foreign exchange revenue, other than trading 282 22 Card service revenue 282 22 Credit fees 315 33 Net gains on investment securities (Note 4) 46 31 Share of profit in joint ventures and associates 15 2 Other 383 44 Other 36,705 6,38 Fordit revenue 11,589 10,81 Provision for credit losses (Notes 4 and 5) 514 33 Insurance policyholder benefits, claims and acquisition expense 1,225 85 Non-interest expense 1,225 85 Communication 3,643 3,50 Equipment 411 3 Occupancy 337 3 Communications 29 2 Other 5,912 5,66			318
Securities brokerage commissions 342 33 Service charges 468 44 Underwriting and other advisory fees 249 22 Foreign exchange revenue, other than trading 249 22 Card service revenue 382 22 Credit fees 315 33 Net gains on investment securities (Note 4) 46 315 Share of profit in joint ventures and associates 15 3 Other 383 44 Foreign exchange revenue, other ventures and associates 11,589 10,83 Other 383 44 Foreign in joint ventures and associates 11,589 10,83 Foreign exchange revenue, other ventures and associates 11,589 10,83 Foreign exchange revenue, other ventures and associates 11,589 10,83 Other 31 3 4 Foreign in joint ventures and associates 11,589 10,83 Foreign in joint ventures and associates 12,225 3 Foreign feet pervenue 12,225 3			1,325
Sevice charges 468 44 Underwriting and other advisory fees 345 54 Foreign exchange revenue, other than trading 249 22 Card service revenue 382 22 Credit fees 315 33 Net gains on investment securities (Note 4) 46 33 Share of profit in joint ventures and associates 15 46 Other 6,705 6,33 Very vision for credit losses (Notes 4 and 5) 514 33 Provision for credit losses (Notes 4 and 5) 514 33 Insurance policyholder benefits, claims and acquisition expense 1,225 38 Portician for credit losses (Notes 7) 3 3 Equipment 3,643 3,56 Equipment 341 33 Occupancy 341 33 Communications 240 22 Professional fees 3,93 4,0 Amortization of other intangibles 3,93 4,0 Other 5,91 5,6 Vet income <			885
Underwriting and other advisory fees 345 55 Foreign exchange revenue, other than trading 282 22 Card service revenue 282 22 Credit fees 315 33 Net gains on investment securities (Note 4) 15 Other 383 44 Total revenue 6,6705 6,33 Forevision for credit losses (Notes 4 and 5) 514 33 Insurance policyholder benefits, claims and acquisition expense 1,225 85 Human resources (Notes 4 and 5) 3,643 3,50 Considered Expense 3,643 3,50 Human resources (Notes 4 and 5) 3,643 3,50 Cocupancy 36 3,50 Equipment 3,643 3,50 Cocupancy 30 2,20 Cocupancy 30 2,20 Other 6,6 5 Amortization of other intangibles 2,90 2,20 Other 5,91 5,0 Net income 3,93 4,0			355
Foreign exchange revenue, other than trading 249 22 Card service revenue 282 22 Credit fees 315 33 Net gains on investment securities (Note 4) 46 15 Share of profit in joint ventures and associates 15 5 Other 383 44 Foreign exchange revenue 6,705 6,38 Foreign exchanges 11,589 10,8 Octual revenue 11,589 10,8 Provision for credit losses (Notes 4 and 5) 514 33 Insurance policyholder benefits, claims and acquisition expense 1,225 83 Non-interest expense 1,225 83 Human resources (Notes 7) 3,643 3,5 Equipment 341 3,3 Occupancy 397 3,3 Communications 240 22 Professional fees 305 22 Other 5,912 5,66 Income before income taxes 3,938 4,0 Not income attributable to: 3,170			440
Card service revenue 282 22 Credit fees 315 <td></td> <td></td> <td>541</td>			541
Credit fees 315 33 Net gains on investment securities (Note 4) 46 36 Share of profit in joint ventures and associates 15 33 Other 383 44 Footal revenue 11,589 10,83 Provision for credit losses (Notes 4 and 5) 514 33 Insurance policyholder benefits, claims and acquisition expense 1,225 83 Non-interest expense 431 33 Human resources (Note 7) 3,643 3,50 Equipment 431 33 Communications 240 22 Professional fees 305 22 Amortization of other intangibles 290 22 Other 606 55 Income taxes 766 1,03 Not income taxes 766 1,03 Vet income \$ 3,172 \$ 3,00 Vet income attributable to: \$ 3,172 \$ 3,00 Shareholders \$ 3,172 \$ 3,00 Non-controlling interests \$ 3,172 \$ 3,00 <td></td> <td></td> <td>281</td>			281
Net gains on investment securities (Note 4) 46 Share of profit in joint ventures and associates 15 Other 383 44 6,705 6,38 fotal revenue 11,589 10,83 Provision for credit losses (Notes 4 and 5) 514 33 nsurance policyholder benefits, claims and acquisition expense 1,225 83 Non-interest expense 3,643 3,55 Equipment 431 33 Occupancy 397 33 Communications 240 22 Professional fees 305 24 Amortization of other intangibles 290 26 Other 606 55 Income before income taxes 3,938 4,0 Not income \$ 3,172 \$ 3,0 Vet income \$ 3,172 \$ 3,0 Vet income attributable to: \$ 3,172 \$ 3,0 Shareholders \$ 3,172 \$ 3,0 Non-controlling interests \$ 3,172 \$ 3,0 Salic earnings per share (in dollars)			257
Share of profit in joint ventures and associates Other 15 (383) 44 (494) Other 6,705 (6,705) 6,38 (700) Fotal revenue 11,589 (700) Provision for credit losses (Notes 4 and 5) 514 (38) Insurance policyholder benefits, claims and acquisition expense 1,225 (88) Non-interest expense 8 Human resources (Note 7) 3,643 (3,54) Equipment 431 (3) Occupancy 397 (3) Communications 240 (2) Professional fees 305 (24) Amortization of other intangibles 290 (24) Other 606 (5) Other 606 (5) Income before income taxes 7,66 (1,0) Nome to tincome atxes 7,66 (1,0) Vet income \$ 3,172 (8) 3,00 Non-controlling interests \$ 3,172 (8) 3,00 Shareholders \$ 3,172 (8) 3,00 Non-controlling interests \$ 3,172 (8) 3,00 Sasic earnings per share (in dollars) (Note 10) \$ 2,15 (8) 2,20 Sasic earnings per share (in dollars) (Note 10) \$ 2,			328
Other 383 44 6,705 6,33 Fordal revenue 11,589 10,83 Provision for credit losses (Notes 4 and 5) 514 33 Insurance policyholder benefits, claims and acquisition expense 1,225 83 Non-interest expense 3 44 35 Human resources (Note 7) 3,643 3,50 3,50 32 3,643 3,50 3,21 3,61 3,73 3,30 3,21 3,05 3,21 3,05 3,21 3,01 3,21 3,01 3,01 3,17 3,00 3,01			39
Fortial revenue			25
Fortial revenue 11,589 10,83 Provision for credit losses (Notes 4 and 5) 514 33 Insurance policyholder benefits, claims and acquisition expense 1,225 83 Non-interest expense 3,643 3,55 Human resources (Note 7) 3,643 3,55 Equipment 431 33 Occupancy 397 33 Communications 240 22 Professional fees 305 24 Amortization of other intangibles 290 26 Other 606 55 Income before income taxes 3,938 4,00 Income taxes 766 1,03 Net income \$ 3,172 \$ 3,00 Net income attributable to: 3,172 \$ 3,00 Shareholders \$ 3,172 \$ 3,00 Non-controlling interests \$ 3,172 \$ 3,00 Sasic earnings per share (in dollars) (Note 10) \$ 2,15 \$ 2,0 Static earnings per share (in dollars) (Note 10) 2,15 \$ 2,0	Other		
Provision for credit losses (Notes 4 and 5) 514 33 Insurance policyholder benefits, claims and acquisition expense 1,225 83 Non-interest expense 3,643 3,50 3,20			
Non-interest expense		11,307	10,020
Non-interest expense	Provision for credit losses (Notes 4 and 5)	514	334
Human resources (Note 7) 3,643 3,50 Equipment 431 33 Occupancy 397 33 Communications 240 22 Professional fees 305 28 Amortization of other intangibles 290 26 Other 606 59 ncome before income taxes 3,938 4,04 ncome taxes 766 1,03 Net income \$ 3,172 \$ 3,03 Net income attributable to: \$ 3,172 \$ 3,03 Shareholders \$ 3,172 \$ 3,03 Non-controlling interests \$ 3,172 \$ 3,03 Basic earnings per share (in dollars) (Note 10) \$ 2.15 \$ 2.6 Diluted earnings per share (in dollars) (Note 10) 2.15 2.6	Insurance policyholder benefits, claims and acquisition expense	1,225	836
Equipment 431 37 Occupancy 397 33 Communications 240 22 Professional fees 305 28 Amortization of other intangibles 290 26 Other 606 55 ncome before income taxes 3,938 4,04 ncome taxes 766 1,03 Net income \$ 3,172 \$ 3,03 Net income attributable to: \$ 3,172 \$ 3,00 Non-controlling interests \$ 3,170 \$ 3,00 Sasic earnings per share (in dollars) (Note 10) \$ 2.15 \$ 2.0 Diluted earnings per share (in dollars) (Note 10) \$ 2.15 \$ 2.0	Non-interest expense		
Occupancy 397 37 Communications 240 22 Professional fees 305 28 Amortization of other intangibles 290 26 Other 606 59 ncome before income taxes 3,938 4,00 ncome taxes 766 1,03 Net income \$ 3,172 \$ 3,03 Net income attributable to: \$ 3,172 \$ 3,03 Shareholders \$ 3,170 \$ 3,00 Non-controlling interests \$ 3,172 \$ 3,00 Basic earnings per share (in dollars) (Note 10) \$ 2.15 \$ 2.0 Diluted earnings per share (in dollars) (Note 10) 2.15 2.0		3,643	3,502
Communications 240 22 Professional fees 305 28 Amortization of other intangibles 290 26 Other 606 53 ncome before income taxes 3,938 4,04 ncome taxes 766 1,03 Net income \$ 3,172 \$ 3,03 Net income attributable to: \$ 3,172 \$ 3,03 Non-controlling interests 2 3 Basic earnings per share (in dollars) (Note 10) \$ 2,15 \$ 2.0 Oiluted earnings per share (in dollars) (Note 10) 2.15 2.0	Equipment	431	372
Professional fees 305 28 Amortization of other intangibles 290 26 Other 606 59 Income before income taxes 3,938 4,00 Income taxes 766 1,03 Net income \$ 3,172 \$ 3,07 Shareholders \$ 3,170 \$ 3,00 Non-controlling interests 2 3 Basic earnings per share (in dollars) (Note 10) \$ 2.15 \$ 2.0 Oiluted earnings per share (in dollars) (Note 10) 2.15 2.0	Occupancy	397	379
Amortization of other intangibles 290 26 Other 606 59 Income before income taxes 5,912 5,62 Income taxes 766 1,03 Net income \$ 3,172 \$ 3,02 Net income attributable to: \$ 3,170 \$ 3,02 Shareholders \$ 3,170 \$ 3,02 Non-controlling interests \$ 3,172 \$ 3,02 Basic earnings per share (in dollars) (Note 10) \$ 2.15 \$ 2.0 Oiluted earnings per share (in dollars) (Note 10) 2.15 2.0			224
Other 606 59 ncome before income taxes 5,912 5,62 ncome taxes 3,938 4,04 Net income 766 1,03 Net income attributable to: 3,172 3,02 Shareholders \$ 3,170 \$ 3,00 Non-controlling interests \$ 3,172 \$ 3,00 Basic earnings per share (in dollars) (Note 10) \$ 2.15 \$ 2.0 Oiluted earnings per share (in dollars) (Note 10) \$ 2.15 \$ 2.0			281
Seasic earnings per share (in dollars) (Note 10) Seas			261
Net income attributable to: Shareholders Non-controlling interests Sasic earnings per share (in dollars) (Note 10) Sasic earnings per sh	Other		592
Income taxes 766 1,03 Net income \$ 3,172 \$ 3,03 Net income attributable to: Shareholders \$ 3,170 \$ 3,00 Non-controlling interests 2 3 Basic earnings per share (in dollars) (Note 10) \$ 2,15 \$ 2.0 Diluted earnings per share (in dollars) (Note 10) 2.15 2.0			5,611
Net income \$ 3,172 \$ 3,072 Net income attributable to: Shareholders \$ 3,170 \$ 3,002 Shareholders 2 2 2 Non-controlling interests 2 3,172 \$ 3,002 Basic earnings per share (in dollars) (Note 10) \$ 2,15 \$ 2,002 Diluted earnings per share (in dollars) (Note 10) 2,15 2,002			4,047
Net income attributable to: Shareholders Non-controlling interests \$ 3,170 \$ 3,00 2 \$ 3 Sasic earnings per share (in dollars) (Note 10) Siluted earnings per share (in dollars) (Note 10)			
Shareholders \$ 3,170 \$ 3,000 Non-controlling interests 2 2 Sasic earnings per share (in dollars) (Note 10) \$ 3,172 \$ 3,000 Diluted earnings per share (in dollars) (Note 10) \$ 2.15 \$ 2.00 Diluted earnings per share (in dollars) (Note 10) 2.15 2.00		\$ 3,172	\$ 3,012
Non-controlling interests 2 3 \$ 3,172 \$ 3,03 Basic earnings per share (in dollars) (Note 10) 5 2.15 \$ 2.0 Diluted earnings per share (in dollars) (Note 10) 2 2.15 \$ 2.0	Net income attributable to:		
\$ 3,172 \$ 3,072 Basic earnings per share (in dollars) (Note 10) \$ 2.15 \$ 2.0 Diluted earnings per share (in dollars) (Note 10) 2.15 2.0			
Basic earnings per share (in dollars) (Note 10) Soluted earnings per share (in dollars) (Note 10) Soluted earnings per share (in dollars) (Note 10) Soluted earnings per share (in dollars) (Note 10)	Non-controlling interests		. 11
Diluted earnings per share (in dollars) (Note 10) 2.15 2.0			. ,
	Basic earnings per share (in dollars) (Note 10)		
Dividends per common share (in dollars) 0.98 0.5	Diluted earnings per snare (in dollars) (Note 10) Dividends per common share (in dollars)		2.01 0.91

 $\label{thm:companying} The accompanying notes are an integral part of these Interim Condensed Consolidated Financial Statements.$

Interim Condensed Consolidated Statements of Comprehensive Income (unaudited)

		For the three i	nonth	ended
		January 31 2019		January 31 2018
(Millions of Canadian dollars) Net income	\$	3,172	\$	3,012
Other comprehensive income (loss), net of taxes	٠	3,172	Ψ	5,012
Items that will be reclassified subsequently to income:				
Net change in unrealized gains (losses) on debt securities and loans at fair value through other comprehensive				
income				
Net unrealized gains (losses) on debt securities and loans at fair value through other comprehensive income		(1)		(24)
Provision for credit losses recognized in income		(1)		15
Reclassification of net losses (gains) on debt securities and loans at fair value through other comprehensive				
income to income		(29)		(28)
		(31)		(37)
Foreign currency translation adjustments				
Unrealized foreign currency translation gains (losses)		35		(2,006)
Net foreign currency translation gains (losses) from hedging activities		(66)		658
Reclassification of losses (gains) on foreign currency translation to income		2		_
Reclassification of losses (gains) on net investment hedging activities to income		2		_
		(27)		(1,348)
Net change in cash flow hedges				
Net gains (losses) on derivatives designated as cash flow hedges		(316)		424
Reclassification of losses (gains) on derivatives designated as cash flow hedges to income		(74)		(153)
		(390)		271
Items that will not be reclassified subsequently to income:				
Remeasurements of employee benefit plans (Note 7)		(394)		49
Net fair value change due to credit risk on financial liabilities designated as at fair value through profit or loss		163		(18)
Net gains (losses) on equity securities designated at fair value through other comprehensive income		7		(2)
		(224)		29
Total other comprehensive income (loss), net of taxes		(672)		(1,085)
Total comprehensive income (loss)	\$	2,500	\$	1,927
Total comprehensive income attributable to:				
Shareholders	\$	2,497	\$	1,919
Non-controlling interests		3		8
	\$	2,500	\$	1,927

The income tax effect on the Interim Condensed Consolidated Statements of Comprehensive Income is shown in the table below.

	Fc	or the three n	nonth	s ended
(Millions of Canadian dollars)	Ji	anuary 31 2019		January 31 2018
Income taxes on other comprehensive income				
Net unrealized gains (losses) on debt securities and loans at fair value through other comprehensive income Provision for credit losses recognized in income	\$	(4) -	\$	42 (4)
Reclassification of net losses (gains) on debt securities and loans at fair value through other comprehensive income				
to income		(17)		(15)
Unrealized foreign currency translation gains (losses)		1		(5)
Net foreign currency translation gains (losses) from hedging activities		(24)		219
Reclassification of losses (gains) on net investment hedging activities to income		1		_
Net gains (losses) on derivatives designated as cash flow hedges		(113)		183
Reclassification of losses (gains) on derivatives designated as cash flow hedges to income		(27)		(86)
Remeasurements of employee benefit plans		(125)		20
Net fair value change due to credit risk on financial liabilities designated as at fair value through profit or loss		59		(7)
Net gains (losses) on equity securities designated at fair value through other comprehensive income		(1)		(1)
Total income tax expenses (recoveries)	\$	(250)	\$	346

The accompanying notes are an integral part of these Interim Condensed Consolidated Financial Statements.

Interim Condensed Consolidated Statements of Changes in Equity (unaudited)

						For the	For the three months ended January 31, 2019	onths e	nded Jar	uary 3.	1, 2019							
								Other c	Other components of equity	nts of e	quity							
(Millions of Canadian dollars)	Preferred shares	Common	Treasury shares – preferred	Treasury shares – common	ury s – Retained on earnings	Available- ed for-sale igs securities	sec		Foreign currency translation		Cash flow hedges	F 69	Total other components of equity	Equity attributable to shareholders		Non-controlling interests	is ts	Total equity
Balance at beginning of period	\$ 6,306	\$ 6,306 \$ 17,635	\$ 3	\$	(18) \$ 51,112	12	Ş	(12)	(12) \$ 4,147	\$ 24	889	\$	4,823	s	79,861	\$	94 \$	\$ 79,955
Transition adjustment (Note 2)	1	I	1) -	(70)		1		1	I		1		(20)		1	(20)
Adjusted balance at beginning of period	\$ 6,306	\$ 6,306 \$ 17,635	\$ 3	\$	(18) \$ 51,042	42	\$	(12)	\$ 4,147	\$ 24	688	S	4,823	\$	79,791	\$	94 \$	\$ 79,885
Changes in equity																		
Issues of share capital	350	11	T		1	1		ı		1	T		I		361		1	361
Common shares purchased for cancellation	I	(45)	T		- (3	(303)		I		1	T		I		(348)		ı	(348)
Redemption of preferred shares	(250)	I	T		1	1				1	T		I		(250)		ı	(250)
Sales of treasury shares	I	1	82	1,529	29	1		I		1	T		I		1,611		1	1,611
Purchases of treasury shares	1	I	(85	(1,547)	47)	1		I		ı	T		I		(1,632)		ı	(1,632)
Share-based compensation awards	I	I	T		1	2		I		1	T		I		2		1	2
Dividends on common shares	I	I	T		- (1,407)	07)		I		1	T		1		(1,407)		ı	(1,407)
Dividends on preferred shares and other	1	I	T		<u>ا</u>	(74)		I		ı	T		I		(74)		1	(74)
Other	I	I	T		1	2		I		1	T		I		2		1	2
Net income	I	I	T		- 3,170	02		1		1	I		I		3,170		2	3,172
Total other comprehensive income (loss), net of taxes	I	I	I		- (2)	(224)		(31)	ن	(28)	(390)	_	(446)		(673)		1	(672)
Balance at end of period	\$ 6,406	\$ 6,406 \$ 17,601	\$	\$	(36) \$ 52,208	98	\$	(43) \$	\$ 4,119	19 \$	298	\$	4,374	\$	80,553	\$	\$ 26	\$ 80,650

							For the	three n	nonths e	For the three months ended January 31, 2018	uary 31	, 2018							
									Other c	Other components of equity	its of eq	uity							
(Millions of Canadian dollars)	Preferred shares	Common	Treasury shares – preferred	Treasury shares – common		Retained earnings	Available- for-sale securities		FVOCI securities and loans	Foreign currency translation		Cash flow hedges	Tot comp	Total other components of equity	Equity attributable to shareholders	Equity able to nolders	Non-controlling interests	ng its	Total equity
Balance at beginning of period Transition adjustment	\$ 6,413	\$ 6,413 \$ 17,730	₩	\$	(27) \$ 45,359	45,359 (558)	\$ 378	\$	299	\$ 3,545	t5 \$	431	₩	4,354 (79)	2 \$	73,829 (637)	\$	599 \$ 74,428 - (637)	74,428 (637)
Adjusted balance at beginning of period	\$ 6,413	\$ 6,413 \$ 17,730	- S	\$	(27) \$ 4	\$ 44,801	\$	₩.	299	\$ 3,545	\$ 5	431	\$	4,275	2 \$	73,192	\$ 29	\$ 669	\$ 73,791
Changes in equity Issues of share capital	I	30	ı		ı	1			I		ı	I		I		30		1	30
Common shares purchased for cancellation	I	(113)	ı		ı	(810)			I		1	I		I		(923)		ı	(923)
Redemption of preferred shares	(107)	1	ı		ı	2			I		1	I		I		(105)		ı	(105)
Sales of treasury shares	I	I	69	1,4	1,425	ı			I		1	I		I		1,494		ı	1,494
Purchases of treasury shares	I	I	(69)	(1,4	(1,405)	I			I		ı	I		I)	(1,474)		ı	(1,474)
Share-based compensation awards	I	I	I		ı	(3)			I		1	I		I		(3)		ı	(3)
Dividends on common shares	ı	I	ı		Ī	(1,319)			1		1	I		I	_	(1,319)		ı	(1,319)
Dividends on preferred shares and other	ı	I	ı		1	(72)			1		1	I		I		(72)	Ü	(18)	(06)
Other	ı	I	ı		1	135			(138)		1	I		(138)		(3)		(1)	(4)
Netincome	I	I	I		ı	3,001			I		1	I		I		3,001	, .	11	3,012
Total other comprehensive income (loss), net of taxes	1	I	I		ı	29			(37)	(1,345)	(5)	271		(1,111))	(1,082)		(3)	(1,085)
Balance at end of period	\$ 6,306	\$ 6,306 \$ 17,647	\$	\$	(7) \$ 45,764	45,764		\$	124	\$ 2,200	\$ 00	702	\$	3,026	2 \$	72,736	\$ 58	\$ 889	\$ 73,324

The accompanying notes are an integral part of these Interim Condensed Consolidated Financial Statements.

Interim Condensed Consolidated Statements of Cash Flows (unaudited)

	For the three	months ended
Ann	January 31	January 31
(Millions of Canadian dollars)	2019	2018
Cash flows from operating activities	\$ 3,172	¢ 2012
Net income Adjustments for non-cash items and others	\$ 3,172	\$ 3,012
Provision for credit losses	514	334
Depreciation	150	135
Deferred income taxes	(162)	271
Amortization and impairment of other intangibles	293	261
Net changes in investments in joint ventures and associates	(15)	(22)
Losses (Gains) on investment securities	(49)	(43)
Adjustments for net changes in operating assets and liabilities	(42)	(43)
Insurance claims and policy benefit liabilities	512	195
Net change in accrued interest receivable and payable	86	(132)
Current income taxes	(159)	(1,970)
Derivative assets	9,223	(10,489)
Derivative liabilities	(8,472)	12,092
Trading securities	(9,915)	1,194
Loans, net of securitizations	(13,151)	(3,579)
Assets purchased under reverse repurchase agreements and securities borrowed	(3,058)	(38,789)
Deposits, net of securitizations	15,518	10,414
Obligations related to assets sold under repurchase agreements and securities loaned	17,715	40,235
Obligations related to securities sold short	995	396
Brokers and dealers receivable and payable	(478)	(166)
Other	(1,492)	1,225
Net cash from (used in) operating activities	11,227	14,574
Cash flows from investing activities		
Change in interest-bearing deposits with banks	(2,182)	(4,607)
Proceeds from sale of investment securities	3,285	5,217
Proceeds from maturity of investment securities	15,019	7,132
Purchases of investment securities	(20,668)	(13,342)
Net acquisitions of premises and equipment and other intangibles	(561)	(357)
Net cash from (used in) investing activities	(5,107)	(5,957)
Cash flows from financing activities		
Issue of common shares	9	23
Common shares purchased for cancellation	(348)	(923)
Issue of preferred shares	350	_
Redemption of preferred shares	(250)	(105)
Sales of treasury shares	1,611	1,494
Purchases of treasury shares	(1,632)	(1,474)
Dividends paid	(1,483)	(1,396)
Dividends/distributions paid to non-controlling interests	_	(18)
Change in short-term borrowings of subsidiaries	4,860	(1)
Net cash from (used in) financing activities	3,117	(2,400)
Effect of exchange rate changes on cash and due from banks	587	(136)
Net change in cash and due from banks	9,824	6,081
Cash and due from banks at beginning of period (1)	30,209	28,407
Cash and due from banks at end of period (1)	\$ 40,033	\$ 34,488
Cash flows from operating activities include:		
Amount of interest paid	\$ 4,748	\$ 3,001
Amount of interest received	9,660	7,255
Amount of dividends received	493	410
Amount of income taxes paid	791	3,118

We are required to maintain balances with central banks and other regulatory authorities. The total balances were \$2.3 billion as at January 31, 2019 (October 31, 2018 – \$2.4 billion; January 31, 2018 – \$2.5 billion; October 31, 2017 – \$2.3 billion).

The accompanying notes are an integral part of these Interim Condensed Consolidated Financial Statements.

Note 1 General information

Our unaudited Interim Condensed Consolidated Financial Statements (Condensed Financial Statements) are presented in compliance with International Accounting Standard (IAS) 34 Interim Financial Reporting. The Condensed Financial Statements do not include all the information and disclosures required in the annual financial statements and should be read in conjunction with our audited 2018 Annual Consolidated Financial Statements and the accompanying notes included on pages 113 to 211 in our 2018 Annual Report. Tabular information is stated in millions of Canadian dollars, except per share amounts and percentages. On February 21, 2019, the Board of Directors authorized the Condensed Financial Statements for issue.

Note 2 Summary of significant accounting policies, estimates and judgments

Except as indicated below, the Condensed Financial Statements have been prepared using the same accounting policies and methods used in preparation of our audited 2018 Annual Consolidated Financial Statements. Our significant accounting policies and future changes in accounting policies and disclosures that are not yet effective for us are described in Note 2 of our audited 2018 Annual Consolidated Financial Statements.

Changes in accounting policies

During the first quarter, we adopted IFRS 15 Revenue from Contracts with Customers (IFRS 15). As permitted by the transition provisions of IFRS 15, we elected not to restate comparative period results; accordingly, all comparative period information is presented in accordance with our previous accounting policies, as described in our 2018 Annual Report. As a result of the adoption of IFRS 15, we reduced our opening retained earnings by \$70 million, on an after tax basis as at November 1, 2018 (the date of initial application), to align the recognition of certain fees with the transfer of the performance obligations.

Commissions and fees

Commission and fees primarily relate to Investment management and custodial fees, Mutual fund revenue, Securities brokerage commissions, Services charges, Underwriting and other advisory fees, Card service revenue and Credit fees, and are recognized based on the applicable service contracts with customers.

Investment management and custodial fees and Mutual fund revenue are generally calculated as a percentage of daily or period-end net asset values based on the terms of the contract with customers and are received monthly, quarterly, semi-annually or annually, depending on the terms of the contract. Investment management and custodial fees are generally derived from assets under management (AUM) when our clients solicit the investment capabilities of an investment manager or from assets under administration (AUA) where the investment strategy is directed by the client or a designated third party manager. Mutual fund revenue is derived from the daily net asset value (NAV) of the mutual funds. Investment management and custodial fees and Mutual fund revenue are recognized over time when the service is provided to the customer provided that it is highly probable that a significant reversal in the amount of revenue recognized will not occur.

Commissions earned on Securities brokerage services and Service charges that are related to the provision of specific transaction type services are recognized when the service is fulfilled. Where services are provided over time, revenue is recognized as the services are provided.

Underwriting and other advisory fees primarily relate to underwriting of new issuances of debt or equity and various advisory services. Underwriting fees are generally expressed as a percentage of the funds raised through issuance and are recognized when the service has been completed. Advisory fees vary depending on the scope and type of engagement and can be fixed in nature or contingent on a future event. Advisory fees are recognized over the period in which the service is provided and are recognized only to the extent that it is highly probable that a significant reversal in the amount of revenue will not occur.

Card service revenue primarily includes interchange revenue and annual card fees. Interchange revenue is calculated as a fixed percentage of the transaction amount and recognized when the card transaction is settled. Annual card fees are fixed fees and are recognized over a twelve month period.

Credit fees are primarily earned for arranging syndicated loans and making credit available on undrawn facilities. The timing of the recognition of credit fees varies based on the nature of the services provided.

When service fees and other costs are incurred in relation to commissions and fees earned, we record these costs on a gross basis in either Non-interest expense – Other or Non-interest expense – Human resources based on our assessment of whether we have primary responsibility to fulfill the contract with the customer and have discretion in establishing the price for the commissions and fees earned, which may require judgment.

Note 3 Fair value of financial instruments

Carrying value and fair value of financial instruments

The following tables provide a comparison of the carrying and fair values for each classification of financial instruments. Embedded derivatives are presented on a combined basis with the host contracts. Refer to Note 2 and Note 3 of our audited 2018 Annual Consolidated Financial Statements for a description of the valuation techniques and inputs used in the fair value measurement of our financial instruments. There have been no significant changes to our determination of fair value during the quarter.

				As at Janu	uary 31, 2019			
		Carrying value	and fair value		Carrying value	Fair value		
(Millions of Canadian dollars)	Financial instruments classified as FVTPL	Financial instruments designated as FVTPL	Financial instruments classified as FVOCI	Financial instruments designated as FVOCI	Financial instruments measured at amortized cost	Financial instruments measured at amortized cost	Total carrying amount	Total fair value
Financial assets								
Interest-bearing deposits with banks	\$ -	\$ 22,856	\$ -	\$ -	\$ 15,797	\$ 15,797	\$ 38,653	\$ 38,653
Securities Trading Investment, net of applicable	130,542	7,631	-	-	-	-	138,173	138,173
allowance	-		51,366	529	45,764	45,546	97,659	97,441
Assets purchased under reverse repurchase agreements and securities	130,542	7,631	51,366	529	45,764	45,546	235,832	235,614
borrowed	223,953				73,707	73,707	297,660	297,660
Loans, net of applicable allowance Retail Wholesale	118 6,671	194 1,643	95 463	- -	399,325 181,311	397,339 179,595	399,732 190,088	397,746 188,372
	6,789	1,837	558	-	580,636	576,934	589,820	586,118
Other Derivatives Other assets (1)	84,816 1,350	-	-	-	- 45,372	- 45,372	84,816 46,722	84,816 46,722
Financial liabilities Deposits Personal Business and government (2) Bank (3)	\$ 146 12 - 158	\$ 15,088 110,561 5,942 131,591			\$ 264,937 429,661 26,217 720,815	\$ 264,491 430,314 26,256 721,061	\$ 280,171 540,234 32,159 852,564	\$ 279,725 540,887 32,198 852,810
Other Obligations related to securities sold short Obligations related to assets sold under repurchase agreements and	33,242	-			-	-	33,242	33,242
securities loaned Derivatives Other liabilities (4) Subordinated debentures	81,766 (1,113)	218,297 - 23 -			6,232 - 60,616 9,255	6,234 - 60,578 9,416	224,529 81,766 59,526 9,255	224,531 81,766 59,488 9,416

Note 3 Fair value of financial instruments (continued)

				As at Oct	ober 31, 2018			
		Carrying value	and fair value		Carrying value	Fair value		
(Millions of Canadian dollars)	Financial instruments classified as FVTPL	Financial instruments designated as FVTPL	Financial instruments classified as FVOCI	Financial instruments designated as FVOCI	Financial instruments measured at amortized cost	Financial instruments measured at amortized cost	Total carrying amount	Total fair value
Financial assets								
Interest-bearing deposits with banks	\$ -	\$ 20,274	\$ -	\$ -	\$ 16,197	\$ 16,197	\$ 36,471	\$ 36,471
Securities Trading Investment, net of applicable	121,031	7,227	-	-	-	-	128,258	128,258
allowance		_	48,093	406	46,109	45,367	94,608	93,866
	121,031	7,227	48,093	406	46,109	45,367	222,866	222,124
Assets purchased under reverse repurchase agreements and securities borrowed	219,108	_	_	_	75,494	75 , 490	294,602	294,598
Loans, net of applicable allowance Retail Wholesale	69 7,129	190	94 458	_	397,102	394,051	397,455	394,404
Wildlesdie		1,540			170,236	168,087	179,363	177,214
	7,198	1,730	552	_	567,338	562,138	576,818	571,618
Other Derivatives Other assets (1)	94,039 1,373	-	- -	_ _	- 46,205	- 46,205	94,039 47,578	94,039 47,578
Financial liabilities Deposits	,				,	,	,	,
Personal Business and government (2) Bank (3)	\$ 150 (11) -	\$ 14,602 103,446 7,072			\$ 255,402 430,936 25,449	\$ 255,115 431,158 25,462	\$ 270,154 534,371 32,521	\$ 269,867 534,593 32,534
	139	125,120			711,787	711,735	837,046	836,994
Other Obligations related to securities sold short Obligations related to assets sold	32,247				-	-	32,247	32,247
under repurchase agreements and securities loaned Derivatives Other liabilities (4)	90,238 (1,434)	201,839 - 18			4,975 - 54,917	4,976 - 54,880	206,814 90,238 53,501	206,815 90,238 53,464
Subordinated debentures	_	_			9,131	9,319	9,131	9,319

Includes Customers' liability under acceptances and financial instruments recognized in Other assets.

Business and government deposits include deposits from regulated deposit-taking institutions other than banks.

Bank deposits refer to deposits from regulated banks and central banks.

Includes Acceptances and financial instruments recognized in Other liabilities.

⁽¹⁾ (2) (3) (4)

Fair value of assets and liabilities measured at fair value on a recurring basis and classified using the fair value hierarchy

			January	31, 2019		s at		October	31, 2018		
	Fair value	maacuramant	s using	Total	Assets/	Fairvalue	maacuramani	te ueina	Total		Assets
(Millions of Canadian dollars)	Level 1	neasurement Level 2	Level 3	gross fair	Netting liabilities djustments at fair value	Level 1	measurement Level 2	Level 3	gross fair value	Netting	liabilities at fair value
Financial assets Interest-bearing deposits with banks		\$ 22,856		22,856 \$			\$ 20,274		20,274		\$ 20,274
Securities											
Trading Issued or guaranteed Canadian government debt (1)											
Federal Provincial and municipal U.S. state, municipal and	11,168	5,725 11,679	-	16,893 11,679	16,893 11,679	8,342 -	6,231 11,350	<u> </u>	14,573 11,350		14,573 11,350
agencies debt (1) Other OECD government debt (2) Mortgage-backed securities (1)	979 2,941 -	43,329 5,917 965	65 - -	44,373 8,858 965	44,373 8,858 965	2,068 1,151 –	31,030 9,018 1,001	66 - -	33,164 10,169 1,001		33,164 10,169 1,001
Asset-backed securities Non-CDO securities (3) Corporate debt and other debt		797 20,900	9 22	806 20,922	806 20,922	2	1,023 22,303	110 21	1,133 22,326		1,133 22,326
Equities	30,316 45,404	2,285 91,597	1,076 1,172	33,677 138,173	33,677 138,173	30,847 42,410	2,547 84,503	1,148	34,542 128,258		34,542 128,258
Investment Issued or guaranteed	43,404	91,391	1,1/2	130,173	130,173	42,410	64,505	1,545	120,230		120,230
Canadian government debt (1) Federal Provincial and municipal	_	527 2,281	-	527 2,281	527 2,281	_ _	238 1,554	_ _	238 1,554		238 1,554
U.S. state, municipal and agencies debt (1) Other OECD government debt	34	18,142 1,964	-	18,176 1,964	18,176 1,964	_ _	18,136 1,470	- -	18,136 1,470		18,136 1,470
Mortgage-backed securities (1) Asset-backed securities CDO	-	2,226	27 _	2,253 6,424	2,253 6,424	_	2,174 6,239	_	2,174 6,239		2,174 6,239
Non-CDO securities Corporate debt and other debt Equities	- - 41	891 18,715 217	- 135 247	891 18,850 505	891 18,850 505	- - 42	863 17,227 103	- 192 237	863 17,419 382		863 17,419 382
Loan substitute securities	-	24	-	24	24	_	24	-	24		24
Assats numbered under reverse	75	51,411	409	51,895	51,895	42	48,028	429	48,499		48,499
Assets purchased under reverse repurchase agreements and securities borrowed	-	223,953	_	223,953	223,953	_	219,108	-	219,108		219,108
Loans Other	_	8,358	826	9,184	9,184	_	8,929	551	9,480		9,480
Derivatives Interest rate contracts		35,044	209	35,253	35,253	1	33,862	222	34,085		34,085
Foreign exchange contracts	_	33,819	42	33,861	33,861	_	43,253	53	43,306		43,306
Credit derivatives Other contracts Valuation adjustments	4,720 -	134 11,656 (441)	159 10	134 16,535 (431)	134 16,535 (431)	5,868 -	38 11,654 (631)	296 6	38 17,818 (625)		38 17,818 (625)
Total gross derivatives Netting adjustments	4,720	80,212	420	85,352	85,352 (536) (536)		88,176	577	94,622	(583)	
Total derivatives Other assets	1,105	184	61	1,350	84,816 1,350		288	65	1,373		94,039 1,373
	\$ 51,304	\$ 478,571	\$ 2,888 \$	5 532,763 \$	(536) \$ 532,227	\$ 49,341	\$ 469,306	\$ 2,967	521,614	\$ (583)	\$521,031
Financial Liabilities Deposits Personal		\$ 15,143		5 15,234 \$			\$ 14,362		14,752	\$	\$ 14,752
Business and government Bank Other Obligations related to securities	=	110,573 5,942	-	110,573 5,942	110,573 5,942	_	103,440 7,072	(5)	103,435 7,072		103,435 7,072
sold short Obligations related to securities obligations related to assets sold under repurchase agreements	18,124	15,118	-	33,242	33,242	17,732	14,515	-	32,247		32,247
and securities loaned Derivatives	-	218,297	-	218,297	218,297		201,839	-	201,839		201,839
Interest rate contracts Foreign exchange contracts Credit derivatives	-	29,658 34,285 208	759 30 -	30,417 34,315 208	30,417 34,315 208	_	29,620 41,836 94	726 32 –	30,346 41,868 94		30,346 41,868 94
Other contracts Valuation adjustments	3,135	13,674 295	261 (3)	17,070 292	17,070 292	4,369 -	13,730 29	380 5	18,479 34		18,479 34
Total gross derivatives Netting adjustments Total derivatives	3,135	78,120	1,047	82,302	(536) 82,302 (536) (536)		85,309	1,143	90,821	(583)	
Other liabilities	262	(1,404)	52	(1,090)	81,766 (1,090)	170	(1,654)	68	(1,416)		90,238 (1,416)
	\$ 21,521	\$ 441,789	\$ 1,190 \$	464,500 \$	(536) \$463,964	\$ 22,271	\$ 424,883	\$ 1,596 \$	448,750	\$ (583)	\$448,167

⁽¹⁾ As at January 31, 2019, residential and commercial mortgage-backed securities (MBS) included in all fair value levels of trading securities were \$28,175 million and \$nil (October 31, 2018 – \$16,776 million and \$nil), respectively, and in all fair value levels of Investment securities were \$4,961 million and \$1,450 million (October 31, 2018 – \$4,713 million and \$1,348 million), respectively.

⁽²⁾ OECD stands for Organisation for Economic Co-operation and Development.

⁽³⁾ CDO stands for collateralized debt obligations.

Note 3 Fair value of financial instruments (continued)

Quantitative information about fair value measurements using significant unobservable inputs (Level 3 Instruments)

A financial instrument is classified as Level 3 in the fair value hierarchy if one or more of its unobservable inputs may significantly affect the measurement of its fair value. In preparing the financial statements, appropriate levels for these unobservable input parameters are chosen so that they are consistent with prevailing market evidence or management judgment. Due to the unobservable nature of the prices or rates, there may be uncertainty about the valuation of these Level 3 financial instruments.

During the three months ended January 31, 2019, there were no significant changes made to the valuation techniques and ranges and weighted averages of unobservable inputs used in the determination of fair value of Level 3 financial instruments. As at January 31, 2019, the impacts of adjusting one or more of the unobservable inputs by reasonably possible alternative assumptions did not change significantly from the impacts disclosed in our 2018 Annual Consolidated Financial Statements.

Changes in fair value measurement for instruments measured on a recurring basis and categorized in Level 3

				For the three m	onths ended Janu	ary 31, 2019			
(Millions of Canadian dollars)	Fair value at beginning of period	Total realized/ unrealized gains (losses) included in earnings	Total unrealized gains (losses) included in OCI (1)	Purchases of assets/ issuances of liabilities	Sales of assets/ settlements of liabilities and other (2)	Transfers into Level 3	Transfers out of Level 3	Fair value at end of period	Changes in unrealized gains (losses) included in earnings for assets and liabilities for positions still held
Assets	pa		2 21 (2)					Pomor	F
Securities Trading Issued or guaranteed									
U.S. state, municipal and		* (.)							
agencies debt Asset-backed securities	\$ 66	\$ (1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65	\$ -
Non-CDO securities	110	15	_	_	(116)	_	_	9	1
Corporate debt and other debt	21	1	_	_	(110)	_	_	22	_
Equities	1,148	(18)	_	80	(143)	9	_	1,076	(5)
	1,345	(3)	_	80	(259)	9	_	1,172	(4)
Investment					· · · ·				
Mortgage-backed securities	_	_	_	27	_	_	_	27	n.a.
Corporate debt and other debt	192	(3)	2	-	(56)	-	-	135	n.a.
Equities	237	-	10	-	-	-	-	247	n.a.
Loan substitute securities	_								n.a.
	429	(3)	12	27	(56)	_	_	409	n.a.
Loans Other	551	17	1	264	(2)	-	(5)	826	16
Net derivative balances (3) Interest rate contracts Foreign exchange contracts Credit derivatives	(504) 21	(68) (7)	- 6 -	- 2 -	40 _ _	2 (1)	(20) (9)	(550) 12	(6) (1)
Other contracts	(84)	45	_	(9)	(23)	(17)	(14)	(102)	60
Valuation adjustments	1	_	_	-	12	-	-	13	_
Other assets	65	-	-	-	(4)	-	_	61	-
	\$ 1,824	\$ (19)	\$ 19	\$ 364	\$ (292)	\$ (7)	\$ (48)	\$ 1,841	\$ 65
Liabilities Deposits									
Personal	\$ (390)	\$ (30)	\$ (1)	\$ (9)	\$ 5	\$ (18)	\$ 352	\$ (91)	\$ 2
Business and government	5	-	-	-	-	-	(5)	-	-
Other	((0)				16			(50)	
Other liabilities	(68)	-	_	_	16	-	_	(52)	1
	\$ (453)	\$ (30)	\$ (1)	\$ (9)	\$ 21	\$ (18)	\$ 347	\$ (143)	\$ 3

				For the three m	onths ended Janu	ary 31, 2018			
(Millions of Canadian dollars)	Fair value at beginning of period	Total realized/ unrealized gains (losses) included in earnings	Total unrealized gains (losses) included in OCI (1)	Purchases of assets/ issuances of liabilities	Sales of assets/ settlements of liabilities and other (2)	Transfers into Level 3	Transfers out of Level 3	Fair value at end of period	Changes in unrealized gains (losses) included in earnings for assets and liabilities for positions still held
Assets		0.						1	
Securities									
Trading									
Issued or guaranteed									
U.S. state, municipal and									
agencies debt	\$ 508	\$ 4	\$ (13)	\$ -	\$ (312)	\$ -	\$ -	\$ 187	\$ (5)
Asset-backed securities									
Non-CDO securities	196	12	(6)	_	(6)	_	_	196	10
Corporate debt and other debt	30	(1)	_	_	_	_	_	29	(1)
Equities	923	(68)	(21)	179	(40)	4	(2)	975	(43)
	1,657	(53)	(40)	179	(358)	4	(2)	1,387	(39)
Investment									
Mortgage-backed securities	_	_	_	_	_	_	_	_	n.a.
Corporate debt and other debt	29	(5)	4	_	_	_	_	28	n.a.
Equities	217	_	26	_	3	_	_	246	n.a.
Loan substitute securities	3	_	_	_	_	_	_	3	n.a.
	249	(5)	30	_	3	_	_	277	n.a.
Loans	477	(1)	(1)	50	(4)	_	_	521	(1)
Other									
Net derivative balances (3)									
Interest rate contracts	(455)	45	_	27	1	_	(130)	(512)	46
Foreign exchange contracts	21	6	1	_	4	1	_	33	4
Credit derivatives	_	_	_	-	_	_	-	_	_
Other contracts	(181)	53	6	(30)	(2)	(34)	31	(157)	24
Valuation adjustments	(16)	_	_	-	5	-	_	(11)	_
Other assets				_		_	_	_	_
	\$ 1,752	\$ 45	\$ (4)	\$ 226	\$ (351)	\$ (29)	\$ (101)	\$ 1,538	\$ 34
Liabilities									
Deposits									
Personal	\$ (465)	\$ (31)	\$ 4	\$ (149)	\$ 22	\$ (52)	\$ 117	\$ (554)	\$ (24)
Business and government	_	_	_	-	_	_	_	-	_
Other									
Other liabilities	(24)	(1)	1	(5)	1	_	_	(28)	_
	\$ (489)	\$ (32)	\$ 5	\$ (154)	\$ 23	\$ (52)	\$ 117	\$ (582)	\$ (24)

⁽¹⁾ These amounts include the foreign currency translation gains or losses arising on consolidation of foreign subsidiaries relating to the Level 3 instruments, where applicable. The unrealized gains on Investment securities recognized in OCI were \$11 million for the three months ended January 31, 2019 (January 31, 2018 – gains of \$32 million), excluding the translation gains or losses arising on consolidation.

Transfers between fair value hierarchy levels for instruments carried at fair value on a recurring basis

Transfers between Level 1 and 2 are dependent on whether fair value is obtained on the basis of quoted market prices in active markets (Level 1).

During the three months ended January 31, 2019, transfers out of Level 1 to Level 2 included Trading U.S. state, municipal and agencies debt and Obligations related to securities sold short of \$497 million and \$172 million, respectively.

During the three months ended January 31, 2019 there were no transfers out of Level 2 to Level 1.

Transfers between Level 2 and Level 3 are primarily due to either a change in the market observability for an input, or a change in an unobservable input's significance to a financial instrument's fair value.

During the three months ended January 31, 2019, significant transfers out of Level 3 to Level 2 include:

- \$8 million of OTC equity options in Other contracts, comprised of \$203 million of derivative related assets and \$195 million of derivative related liabilities, due to a change in the market observability of inputs.
- \$352 million of Personal deposits, due to changes in the significance of the unobservable inputs and market observability of inputs used to calculate fair values.

⁽²⁾ Other includes amortization of premiums or discounts recognized in net income.

⁽³⁾ Net derivatives as at January 31, 2019 included derivative assets of \$420 million (January 31, 2018 – \$485 million) and derivative liabilities of \$1,047 million (January 31, 2018 – \$1,132 million).

n.a. not applicable

Note 3 Fair value of financial instruments (continued)

Net interest income from financial instruments

Interest and dividend income arising from financial assets and financial liabilities and the associated costs of funding are reported in Net interest income.

	For the three	months ended
	January 31	January 31
(Millions of Canadian dollars)	2019	2018
Interest income and dividend income (1), (2)		
Financial instruments measured at fair value through profit or loss	\$ 2,794	\$ 1,644
Financial instruments measured at fair value through other comprehensive income	272	152
Financial instruments measured at amortized cost	7,083	5,744
	10,149	7,540
Interest expense (1)		
Financial instruments measured at fair value through profit or loss	\$ 2,730	\$ 1,410
Financial instruments measured at amortized cost	2,535	1,685
	5,265	3,095
Net interest income	\$ 4,884	\$ 4,445

⁽¹⁾ Excludes the following amounts related to our insurance operations and included in Insurance premiums, investment and fee income in the Consolidated Statements of Income: Interest income of \$129 million (January 31, 2018 – \$124 million), and Interest expense of \$1 million (January 31, 2018 – \$2 million).

Note 4 Securities

Unrealized gains and losses on securities at FVOCI (1) (2)

								As a	at							
				January	31, 20	19						October	31, 20	018		
	Co Amorti	ost/ ized	unre	Gross ealized	un	Gross realized			Αı	Cost/ nortized	unr	Gross ealized	ur	Gross realized		
(Millions of Canadian dollars)	(cost		gains		losses	Fair va	lue		cost		gains		losses	F	Fair value
Issued or guaranteed																
Canadian government debt	_				_											
Federal (3)	\$ 5	29	\$	_	\$	(2)	\$ 53	27	\$	244	\$	_	\$	(6)	\$	238
Provincial and municipal	2,2	82		10		(11)	2,28	81		1,578		2		(26)		1,554
U.S. state, municipal and agencies debt (3)	18,0	86		180		(90)	18,1	76	1	8,000		285		(149)	1	18,136
Other OECD government debt	1,9	64		1		(1)	1,90	64		1,469		2		(1)		1,470
Mortgage-backed securities (3)	2,2	75		1		(23)	2,2	53		2,176		1		(3)		2,174
Asset-backed securities																
CDO	6,4	68		1		(45)	6,42	24		6,248		1		(10)		6,239
Non-CDO securities	8	87		5		(1)	89	91		856		9		(2)		863
Corporate debt and other debt	18,8	56		26		(32)	18,8	50	1	7,439		22		(42)	1	17,419
Equities	3	12		195		(2)	50	05		197		186		(1)		382
Loan substitute securities		25		-		(1)	:	24		25		_		(1)		24
	\$ 51,6	84	\$	419	\$	(208)	\$ 51,89	95	\$ 4	8,232	\$	508	\$	(241)	\$ 4	48,499

⁽¹⁾ Excludes \$45,764 million of held-to-collect securities as at January 31, 2019 that are carried at amortized cost, net of allowance for credit losses (October 31, 2018 – \$46,109 million).

Allowance for credit losses on investment securities

The following tables reconcile the opening and closing allowance for debt securities at FVOCI and amortized cost by stage. Reconciling items include the following:

- Transfers between stages, which are presumed to occur before any corresponding remeasurement of the allowance.
- Purchases and originations, which reflect the allowance related to assets newly recognized during the period, including those assets that were derecognized following a modification of terms.
- Derecognitions and maturities, which reflect the allowance related to assets derecognized during the period without a credit loss being incurred, including those assets that were derecognized following a modification of terms.
- Remeasurements, which comprise the impact of changes in model inputs or assumptions, including changes in forward-looking macroeconomic conditions; partial repayments; changes in the measurement following a transfer between stages; and unwinding of the time value discount due to the passage of time.

⁽²⁾ Includes dividend income for the three months ended January 31, 2019 of \$437 million (January 31, 2018 – \$367 million), which is presented in Interest and dividend income in the Condensed Consolidated Statements of Income.

⁽²⁾ Gross unrealized gains and losses includes \$9 million of allowance for credit losses on debt securities at FVOCI as at January 31, 2019 (October 31, 2018 – \$11 million) recognized in income and Other components of equity.

⁽³⁾ The majority of the MBS are residential. Cost/Amortized cost, gross unrealized gains, gross unrealized losses and fair value related to commercial MBS are \$1,467 million, \$nil, \$17 million and \$1,450 million, respectively as at January 31, 2019 (October 31, 2018 – \$1,442 million, \$nil, \$6 million and \$1,436 million, respectively).

Allowance for credit losses – securities at FVOCI (1)

							For th	e three	month	s endec	i				
				January	31, 2019							January :	31, 2018	8	
		Perfo	rming		Impa	ired				Perfo	rming		Impa	ired	
(Millions of Canadian dollars)	Stag	ge 1	St	age 2	Stage	3 (2)		Total	St	age 1	St	tage 2	Sta	ge 3	 Total
Balance at beginning of period	\$	4	\$	7	\$	_	\$	11	\$	3	\$	22	\$	_	\$ 25
Provision for credit losses															
Transfers in (out) to Stage 1		_		-		-		-		_		_		_	_
Transfers in (out) to Stage 2		_		-		_		_		_		_		_	_
Purchases and originations		2		-		-		2		34		_		_	34
Derecognitions and maturities		(1)		(7)		_		(8)		_		(17)		_	(17)
Remeasurements		1		_		3		4		_		2		_	2
Exchange rate and other		-		-		-		-		-		(2)		-	(2)
Balance at end of period	\$	6	\$	_	\$	3	\$	9	\$	37	\$	5	\$	_	\$ 42

⁽¹⁾ Expected credit losses on debt securities at FVOCI are not separately recognized on the balance sheet as the related securities are recorded at fair value. The cumulative amount of credit losses recognized in income is presented in Other components of equity.

Allowance for credit losses - securities at amortized cost

							For th	e three	months	ended					
				January	31, 2019)						January 3	31, 2018	8	
		Perfo	rmin	g	Impai	red				Perfo	rming		Impa	ired	
(Millions of Canadian dollars)	Stag	ge 1	S	tage 2	Sta	ge 3		Total	Sta	age 1	St	tage 2	Sta	ge 3	Total
Balance at beginning of period	\$	6	\$	32	\$	_	\$	38	\$	9	\$	45	\$	_	\$ 54
Provision for credit losses															
Transfers in (out) to Stage 1		_		_		-		-		3		(3)		_	_
Transfers in (out) to Stage 2		_		_		_		_		(7)		7		_	_
Purchases and originations		1		_		_		1		1		_		_	1
Derecognitions and maturities		_		_		_		_		(1)		(9)		_	(10)
Remeasurements		(1)		(2)		_		(3)		(1)		(2)		_	(3)
Exchange rate and other		-		-		_		-		_		(3)		_	(3)
Balance at end of period	\$	6	\$	30	\$	-	\$	36	\$	4	\$	35	\$	_	\$ 39

Credit risk exposure by internal risk rating

The following table presents the fair value of debt securities at FVOCI and gross carrying amount of securities at amortized cost. Risk ratings are based on internal ratings as at the reporting date as outlined in the internal ratings maps in the Credit risk section of our 2018 Annual Report.

						As	at						
			January :	31, 20)19					October :	31, 20	18	
	Perfo	rming			Impaired			Perfo	rming	;		Impaired	
(Millions of Canadian dollars)	Stage 1		Stage 2		Stage 3 (1)	Total		Stage 1		Stage 2		Stage 3 (1)	Total
Investment securities													
Securities at FVOCI													
Investment grade	\$ 50,640	\$	3	\$	-	\$ 50,643	\$	46,956	\$	479	\$	_	\$ 47,435
Non-investment grade	594		1		-	595		500		33		_	533
Impaired	-		-		127	127		_		_		125	125
	\$ 51,234	\$	4	\$	127	\$ 51,365	\$	47,456	\$	512	\$	125	\$ 48,093
Items not subject to impairment (2)						530		-			-		406
						\$ 51,895							\$ 48,499
Securities at amortized cost													
Investment grade	\$ 44,454	\$	112	\$	_	\$ 44,566	\$	44,958	\$	119	\$	_	\$ 45,077
Non-investment grade	549		685		_	1,234		367		703		_	1,070
Impaired	-		-		_	_		_		_		_	_
	\$ 45,003	\$	797	\$	_	\$ 45,800	\$	45,325	\$	822	\$	_	\$ 46,147
Allowance for credit losses	6		30		-	36		6		32		_	38
Amortized cost	\$ 44,997	\$	767	\$	_	\$ 45,764	\$	45,319	\$	790	\$	_	\$ 46,109

⁽¹⁾ Includes \$127 million of purchased credit impaired securities (October 31, 2018 – \$125 million).

⁽²⁾ Stage 3 includes \$3 million of allowance for credit losses on purchased credit impaired securities.

⁽²⁾ Investment securities at FVOCI not subject to impairment represent equity securities designated as FVOCI.

Note 5 Loans and allowance for credit losses

Allowance for credit losses

									F	or the three	months	ended								
				J	anua	ry 31, 2019	9							Jai	nuar	y 31, 2018	3			
	-	Balance at	Pr	ovision			Exc	hange				Balance at	P	rovision			Exc	hange		
(Millians of Canadian dellars)	be	ginning of	fo	r credit		Net vrite-offs		te and her (1)		Balance at	be	ginning of	fo	or credit		Net		te and		Balance at
(Millions of Canadian dollars)		period		losses	V	vrite-offs	10	ner (1)	enc	of period		period		losses	WI	rite-offs	10	her (1)	end	of period
Retail																				
Residential mortgages	\$	382	\$	33	\$	(4)	\$	(2)	\$	409	\$	378	\$	13	\$	(13)	\$	(15)	\$	363
Personal		895		123		(113)		(13)		892		826		145		(102)		(8)		861
Credit cards		760		140		(120)		_		780		693		98		(110)		(1)		680
Small business		51		6		(5)		(1)		51		49		9		(7)		(1)		50
Wholesale		979		204		(61)		(12)		1,110		1,010		72		(18)		(39)		1,025
Customers' liability under																				
acceptances		21		10		-		-		31		20		(3)		_		(1)		16
	\$	3,088	\$	516	\$	(303)	\$	(28)	\$	3,273	\$	2,976	\$	334	\$	(250)	\$	(65)	\$	2,995
Presented as:																				
Allowance for loan losses	\$	2,912							\$	3,061	\$	2,749							\$	2,776
Other liabilities – Provisions		154								180		207								202
Customers' liability under																				
acceptances		21								31		20								16
Other components of equity		1								1		_								1

⁽¹⁾ Includes interest income on impaired loans of \$21 million for the three months ended January 31, 2019 (January 31, 2018 – \$17 million).

The following table reconciles the opening and closing allowance for loans and commitments, by stage, for each major product category.

Reconciling items include the following:

- Transfers between stages, which are presumed to occur before any corresponding remeasurements of the allowance.
- Purchases and originations, which reflect the allowance related to assets newly recognized during the period, including those assets that were derecognized following a modification of terms.
- Derecognitions and maturities, which reflect the allowance related to assets derecognized during the period without a credit loss being incurred, including those assets that were derecognized following a modification of terms.
- Remeasurements, which comprise the impact of changes in model inputs or assumptions, including changes in forward-looking macroeconomic conditions; partial repayments and additional draws on existing facilities; changes in the measurement following a transfer between stages; and unwinding of the time value discount due to the passage of time in Stage 1 and Stage 2.

Allowance for credit losses - Retail and wholesale loans

							F	or the three r	nonth	s ended						
				January	y 31, 2	019						Januar	y 31, 2	018		
			rming			paired				Perfo				paired		
(Millions of Canadian dollars)		Stage 1		Stage 2		Stage 3		Total		Stage 1		Stage 2		Stage 3		Total
Residential mortgages Balance at beginning of period Provision for credit losses	\$	142	\$	64	\$	176	\$	382	\$	140	\$	65	\$	173	\$	378
Transfers in (out) to Stage 1		8		(8)				-		22		(22)		_		_
Transfers in (out) to Stage 2 Transfers in (out) to Stage 3		(3) (1)		4 (8)		(1) 9		-		(5) –		5 (3)		- 3		_
Purchases and originations		13		(6)		_		13		16		(5)		_		16
Derecognitions and maturities		(3)		(2)		-		(5)		(3)		(3)		_		(6)
Remeasurements		(18)		30		13		25		(36)		27		12		3
Write-offs Recoveries		_		_		(5) 1		(5) 1		_		_		(14) 1		(14) 1
Exchange rate and other		_		(1)		(1)		(2)		(4)		(2)		(9)		(15)
Balance at end of period	\$	138	\$	79	\$	192	\$	409	\$	130	\$	67	\$	166	\$	363
Personal																
Balance at beginning of period Provision for credit losses	\$	242	\$	512	\$	141	\$	895	\$	278	\$	427	\$	121	\$	826
Transfers in (out) to Stage 1 Transfers in (out) to Stage 2		132 (23)		(132) 23		_		_		204 (42)		(204) 42		_		_
Transfers in (out) to Stage 2 Transfers in (out) to Stage 3		(23)		(44)		44		_		(42)		(43)		43		_
Purchases and originations		23		-		-		23		26		2		_		28
Derecognitions and maturities Remeasurements		(7) (132)		(30) 190		- 79		(37) 137		(9) (180)		(35) 271		- 70		(44) 161
Write-offs		(132)		190		(144)		(144)		(100)		2/1		(129)		(129)
Recoveries		-		-		31		31		-		_		27		27
Exchange rate and other						(13)		(13)		(2)		(1)		(5)		(8)
Balance at end of period	\$	235	\$	519	\$	138	\$	892	\$	275	\$	459	\$	127	\$	861
Credit cards	Ċ	1/1	ċ	F00	Ś		ċ	7/0	ф	251	¢	442	\$		\$	602
Balance at beginning of period Provision for credit losses	\$	161	\$	599	\$	_	\$	760	\$	251	\$	442	Þ	_	Þ	693
Transfers in (out) to Stage 1		110		(110)		_		_		228		(228)		_		_
Transfers in (out) to Stage 2		(19)		19		_		-		(40)		40		_		_
Transfers in (out) to Stage 3		- 1		(80)		80		- 1		- 3		(37) 1		37 _		- 4
Purchases and originations Derecognitions and maturities		(1)		(6)		_		(7)		(4)		(30)		_		(34)
Remeasurements		(84)		190		40		146		(224)		279		73		128
Write-offs		-		-		(153)		(153)		-		-		(142)		(142)
Recoveries Exchange rate and other		_		_		33		33		(2)		- 1		32		32 (1)
Balance at end of period	\$	168	Ś	612	\$		\$	780	\$	212	\$	468	\$	_	\$	680
Small business	<u> </u>	100		012	<u> </u>		<u> </u>	700	Ψ_		Ψ_	100	Ψ_		Ψ_	- 000
Balance at beginning of period Provision for credit losses	\$	17	\$	16	\$	18	\$	51	\$	15	\$	15	\$	19	\$	49
Transfers in (out) to Stage 1		5		(5)		-		-		8		(8)		_		_
Transfers in (out) to Stage 2 Transfers in (out) to Stage 3		(1)		1 (3)		- 3		_		(2)		2 (3)		3		_
Purchases and originations		3		-		_		3		3		_		_		3
Derecognitions and maturities		(1)		(2)		_		(3)		(1)		(2)		-		(3)
Remeasurements Write-offs		(7)		11		2 (7)		6 (7)		(7) -		12		4 (9)		9 (9)
Recoveries		_		_		2		2		_		_		2		2
Exchange rate and other		_		-		(1)		(1)		1		(1)		(1)		(1)
Balance at end of period	\$	16	\$	18	\$	17	\$	51	\$	17	\$	15	\$	18	\$	50
Wholesale Balance at beginning of period	\$	274	\$	340	\$	365	\$	979	\$	251	\$	352	\$	407	\$	1,010
Provision for credit losses		2.		(2.1)								(5.0)				
Transfers in (out) to Stage 1 Transfers in (out) to Stage 2		24 (9)		(24) 11		- (2)		_		58 (35)		(58) 35		_		_
Transfers in (out) to Stage 2 Transfers in (out) to Stage 3		(1)		(16)		17		_		(55)		(6)		6		_
Purchases and originations		68		10		-		78		52		8		_		60
Derecognitions and maturities		(43)		(43)		120		(86)		(41)		(52)		- 7/		(93)
Remeasurements Write-offs		(11)		84 –		139 (68)		212 (68)		(32)		63		74 (27)		105 (27)
Recoveries		_		_		7		7		_		_		9		9
Exchange rate and other		(1)		(1)		(10)		(12)		(4)		(8)		(27)		(39)
Balance at end of period	\$	301	\$	361	\$	448	\$	1,110	\$	249	\$	334	\$	442	\$	1,025

Note 5 Loans and allowance for credit losses (continued)

Credit risk exposure by internal risk rating

The following table presents the gross carrying amount of loans measured at amortized cost, and the full contractual amount of undrawn loan commitments subject to the impairment requirements of IFRS 9. Risk ratings are based on internal ratings as at the reporting date as outlined in the internal ratings maps for Wholesale and Retail facilities in the Credit risk section of our 2018 Annual Report.

								As	at							
				January 3	31, 20	19						October	31, 2	018		
(Millions of Canadian dollars)		Stage 1		Stage 2		Stage 3		Total		Stage 1		Stage 2		Stage 3		Total
Retail Loans outstanding – Residential																
mortgages																
Low risk	\$	224,589	\$	4,523	\$	-	\$	229,112	\$,	\$	3,688	\$	_	\$	225,714
Medium risk		13,229		1,455		-		14,684		13,681		1,369		_		15,050
High risk Not rated		2,559 35,451		2,836 604		_		5,395 36,055		2,577 34,670		2,897 578		_		5,474 35,248
Impaired		JJ,4JI -		- 004		754		754		J4,070 -		J/6 _		726		726
Impaned		275,828		9,418		754		286,000		272,954		8,532		726		282,212
Itams not subject to impairment (s)	-	2/3,020		9,410		/ 54		312		272,954		0,332		720		
Items not subject to impairment (1)																259
Total								286,312								282,471
Loans outstanding – Personal																
Low risk	\$	70,837	\$	1,383	\$	-	\$	72,220	\$	71,763	\$	1,256	\$	_	\$	73,019
Medium risk		6,002 945		2,107		_		8,109		6,124 998		1,925		_		8,049
High risk				1,641		-		2,586				1,672		_		2,670
Not rated Impaired		8,041		70		310		8,111 310		8,595		64		303		8,659 303
		85,825		5,201		310		91,336		87,480		4,917		303		
Total		00,020		5,201		310		91,550		87,480		4,917		303		92,700
Loans outstanding – Credit cards Low risk	\$	13,030	Ċ	102	Ċ		Ś	13,132	\$	13,185	¢	100	¢	_	\$	13,285
Medium risk	7	2,124	Þ	1,621	Ş	_	Þ	3,745	Ф	2,234	Ф	1,632	Ф	_	Ф	3,866
High risk		131		1,021				1,424		139		1,331		_		1,470
Not rated		833		31		_		864		764		30		_		794
Total	_															
		16,118		3,047				19,165		16,322		3,093				19,415
Loans outstanding – Small business Low risk	\$	2,147	Ċ	29	Ċ	_	Ċ	2,176	\$	2,004	¢	46	\$	_	\$	2,050
Medium risk	3	2,147	Þ	99	Ş		Þ	2,176	Ф	2,004	Ф	102	Ф	_	Ф	2,030
High risk		2,100		188		_		2,279		95		178		_		2,332
Not rated		176		1		_		177		166		1		_		167
Impaired		-		_		46		46		-		_		44		44
Total		4,591		317		46		4,954		4,495		327		44		4,866
Undrawn loan commitments – Retail		7,371		J-1		-10		7,757		7,773		<u> </u>				1,000
Low risk	S	186,385	S	1,474	Ś	_	Ś	187,859	\$	182,426	\$	1,270	\$	_	\$	183,696
Medium risk	~	9,791	~	244	~	_	~	10,035	Ψ	10,794	Ψ	239	Ψ	_	Ψ	11,033
High risk		3,745		158		_		3,903		3,740		166		_		3,906
Not rated		2,473		36		_		2,509		2,584		35		_		2,619
Total		202,394		1,912		_		204,306		199,544		1,710		_		201,254
Wholesale				,				,		,						
Loans outstanding																
Investment grade	\$	52,494	\$	201	\$	_	\$	52,695	\$	46,869	\$	324	\$	_	\$	47,193
Non-investment grade		109,104		12,015		-		121,119		106,027		10,190		_		116,217
Not rated		6,928		411		-		7,339		6,692		411		_		7,103
Impaired		_		-		1,647		1,647		_		_		1,096		1,096
		168,526		12,627		1,647		182,800		159,588		10,925		1,096		171,609
Items not subject to impairment (1)								8,314								8,669
Total								191,114								180,278
Undrawn loan commitments –								, 1								,
Wholesale																
Investment grade	Ś	227,610	\$	2	\$	_	\$	227,612	\$	222,970	\$	93	\$	_	\$	223,063
Non-investment grade		90,067		8,110		_		98,177	,	88,828	,	7,069	•	_	,	95,897
Not rated		4,764		_		-		4,764		4,291		_		_		4,291
Total		322,441		8,112		_		330,553		316,089		7,162		_		323,251
		J == , 1 1 I		0,112				220,000		J = 0,00J		,,102				J - J , - J

⁽¹⁾ Retail loans outstanding – Residential mortgages and Wholesale loans outstanding items not subject to impairment are loans held at FVTPL.

Loans past due but not impaired (1)

							As a	ıt					
				January 3	1, 201	9				October 3	1, 201	8	
						90 days						90 days	
(Millions of Canadian dollars)	1	1 to 29 days	30 to	89 days	and	greater	Total	1 to 29 days	30	to 89 days	and	greater	Total
Retail	\$	2,992	\$	1,403	\$	174	\$ 4,569	\$ 2,995	\$	1,402	\$	179	\$ 4,576
Wholesale		1,562		485		_	2,047	1,246		468		_	1,714
	\$	4,554	\$	1,888	\$	174	\$ 6,616	\$ 4,241	\$	1,870	\$	179	\$ 6,290

(1) Amounts presented may include loans past due as a result of administrative processes, such as mortgage loans on which payments are restrained pending payout due to sale or refinancing. Past due loans arising from administrative processes are not representative of the borrowers' ability to meet their payment obligations.

Note 6 Deposits

					As	at					
		January	31, 2	019				October	31, 20	018	
(Millions of Canadian dollars)	Demand (1)	Notice (2)		Term (3)	Total		Demand (1)	Notice (2)		Term (3)	Total
Personal	\$ 138,660	\$ 49,566	\$	91,945	\$ 280,171	\$	135,101	\$ 48,873	\$	86,180	\$ 270,154
Business and government	233,044	8,416		298,774	540,234		238,617	8,606		287,148	534,371
Bank	8,019	172		23,968	32,159		8,750	299		23,472	32,521
	\$ 379,723	\$ 58,154	\$	414,687	\$ 852,564	\$	382,468	\$ 57,778	\$	396,800	\$ 837,046
Non-interest-bearing (4)											
Canada	\$ 88,807	\$ 5,058	\$	_	\$ 93,865	\$	88,119	\$ 5,086	\$	_	\$ 93,205
United States	30,411	-		-	30,411		34,098	_		_	34,098
Europe (5)	582	-		-	582		564	_		_	564
Other International	5,595	5		-	5,600		5,495	5		_	5,500
Interest-bearing (4)											
Canada	215,335	15,229		311,520	542,084		213,747	15,112		292,641	521,500
United States	2,510	33,430		63,170	99,110		2,478	33,099		67,211	102,788
Europe (5)	31,089	1,168		27,597	59,854		32,930	1,412		26,598	60,940
Other International	5,394	3,264		12,400	21,058		5,037	3,064		10,350	18,451
	\$ 379,723	\$ 58,154	\$	414,687	\$ 852,564	\$	382,468	\$ 57,778	\$	396,800	\$ 837,046

- (1) Demand deposits are deposits for which we do not have the right to require notice of withdrawal, which includes both savings and chequing accounts.
- (2) Notice deposits are deposits for which we can legally require notice of withdrawal. These deposits are primarily savings accounts.
- (3) Term deposits are deposits payable on a fixed date, and include term deposits, guaranteed investment certificates and similar instruments.
- (4) The geographical splits of the deposits are based on the point of origin of the deposits and where the revenue is recognized. As at January 31, 2019, deposits denominated in U.S. dollars, British pounds, Euro and other foreign currencies were \$315 billion, \$21 billion, \$42 billion and \$32 billion, respectively (October 31, 2018 \$309 billion, \$20 billion, \$38 billion and \$32 billion, \$30 billion, \$30
- (5) Europe includes the United Kingdom, Luxembourg, the Channel Islands, France and Italy.

Note 6 Deposits (continued)

Contractual maturities of term deposits

	As	at	
(Millions of Canadian dollars)	January 31 2019		October 31 2018
Within 1 year:			
less than 3 months	\$ 110,375	\$	89,553
3 to 6 months	48,374		59,109
6 to 12 months	79,462		80,773
1 to 2 years	59,814		51,798
2 to 3 years	42,381		45,550
3 to 4 years	26,131		21,127
4 to 5 years	23,684		23,863
Over 5 years	24,466		25,027
	\$ 414,687	\$	396,800
Aggregate amount of term deposits in denominations of one hundred thousand dollars or more (1)	\$ 378,000	\$	362,000

⁽¹⁾ Amounts have been revised from those previously presented.

Note 7 Employee benefits - Pension and other post-employment benefits

We offer a number of defined benefit and defined contribution plans which provide pension and post-employment benefits to eligible employees. The following tables present the composition of our pension and other post-employment benefit expense and the effects of remeasurements recorded in other comprehensive income.

Pension and other post-employment benefit expense

		For the three	months ended	
	Pensio	n plans	Other post-employn	nent benefit plans
(Millions of Canadian dollars)	January 31 2019	January 31 2018	January 31 2019	January 31 201 8
Current service costs Net interest expense (income) Remeasurements of other long term benefits Administrative expense	\$ 74 (5) - 4	\$ 89 2 - 4	\$ 10 16 2 -	\$ 10 16 - -
Defined benefit pension expense Defined contribution pension expense	\$ 73 61	\$ 95 52	\$ 28 -	\$ 26 -
	\$ 134	\$ 147	\$ 28	\$ 26

Pension and other post-employment benefit remeasurements (1)

		For the three i	months ended	
	Defined benefit	pension plans	Other post-employr	nent benefit plans
	January 31	January 31	January 31	January 31
(Millions of Canadian dollars)	2019	2018	2019	2018
Actuarial (gains) losses:				
Changes in financial assumptions	\$ 607	\$ 18	\$ 57	\$ -
Experience adjustments	_	_	(1)	(2)
Return on plan assets (excluding interest based on discount rate)	(144)	(85)	_	_
	\$ 463	\$ (67)	\$ 56	\$ (2)

Market based assumptions, including Changes in financial assumptions and Return on plan assets, are reviewed on a quarterly basis. All other assumptions are updated during our annual review of plan assumptions.

Note 8 Income taxes

Tax examinations and assessments

During the first quarter, we received reassessments from the Canada Revenue Agency (CRA) in respect of the 2013 and 2012 taxation years which disallowed dividend deductions resulting in additional income taxes as the tax deductibility of certain dividends was denied on the basis that they were part of a "dividend rental arrangement". The reassessments are consistent with the previously received proposal letters as described in Note 22 of our 2018 Annual Consolidated Financial Statements. We are confident that our tax filing position was appropriate and intend to defend ourselves vigorously.

Note 9 Significant capital and funding transactions

Preferred shares

On November 2, 2018, we issued 14 million Non-Cumulative 5-Year Rate Reset First Preferred Shares Series BO at a price of \$25 per share, for total gross proceeds of \$350 million. For the initial five year period to the earliest redemption date of February 24, 2024, the Series BO Preferred Shares pay quarterly cash dividends, if declared, at a rate of 4.8% per annum. The dividend rate will reset on the earliest redemption date and every fifth year thereafter at a rate equal to the 5-year Government of Canada bond yield plus a premium of 2.38%. Holders have the option to convert their shares into Non-Cumulative Floating Rate First Preferred Shares, Series BP, subject to certain conditions, on the earliest redemption date and every fifth year thereafter at a rate equal to the 3-month Government of Canada Treasury Bill yield plus 2.38%. Subject to the consent of OSFI and the requirements of the Bank Act (Canada), we may redeem the Series BO Preferred Shares in whole or in part at a price per share of \$25 on the earliest redemption date and every fifth year thereafter. The Series BO Preferred Shares include NVCC provisions which are necessary for the shares to qualify as Tier 1 regulatory capital.

On November 24, 2018, we redeemed all 10 million Non-Cumulative First Preferred Shares Series AD at a price of \$25 per share.

Common shares issued (1)

		For th	ne three i	months ended		
	January 3	1, 2019		January 3	1, 2018	
(Millions of Canadian dollars, except number of shares)	Number of shares (thousands)	Aı	nount	Number of shares (thousands)	,	Amount
Issued in connection with share-based compensation plans (2) Purchased for cancellation (3)	159 (3,684)	\$	11 (45)	464 (9,297)	\$	30 (113)
	(3,525)	\$	(34)	(8,833)	\$	(83)

⁽¹⁾ The requirements of our dividend reinvestment plan (DRIP) are satisfied through either open market share purchases or shares issued from treasury. During the three months ended January 31, 2019 and January 31, 2018, our DRIP's requirements were satisfied through open market share purchases.

(2) Amounts include cash received for stock options exercised during the period and the fair value adjustment to stock options.

During the three months ended January 31, 2019, we purchased for cancellation common shares at a total fair value of \$348 million (average cost of \$94.40 per share), with a book value of \$45 million (book value of \$12.25 per share). During the three months ended January 31, 2018, we purchased for cancellation common shares at a total fair value of \$923 million (average cost of \$99.29 per share), with a book value of \$113 million (book value of \$12.25 per share).

Note 10 Earnings per share

	Fo	or the three r	nonths e	ended
(Millions of Canadian dollars, except share and per share amounts)	J	anuary 31 2019		January 31 2018
Basic earnings per share				
Net income	\$	3,172	\$	3,012
Preferred share dividends		(74)		(72)
Net income attributable to non-controlling interest		(2)		(11)
Net income available to common shareholders		3,096		2,929
Weighted average number of common shares (in thousands)	1,4	37,074	1,	451,781
Basic earnings per share (in dollars)	\$	2.15	\$	2.02
Diluted earnings per share				
Net income available to common shareholders	\$	3,096	\$	2,929
Dilutive impact of exchangeable shares		4		4
Net income available to common shareholders including dilutive impact of exchangeable shares		3,100		2,933
Weighted average number of common shares (in thousands)	1,4	37,074	1,	451,781
Stock options (1)		2,033		3,069
Issuable under other share-based compensation plans		737		751
Exchangeable shares (2)		3,351		3,113
Average number of diluted common shares (in thousands)	1,4	43,195	1,	458,714
Diluted earnings per share (in dollars)	\$	2.15	\$	2.01

The dilutive effect of stock options was calculated using the treasury stock method. When the exercise price of options outstanding is greater than the average market price of our common shares, the options are excluded from the calculation of diluted earnings per share. For the three months ended January 31, 2019, 1,364,706 outstanding options with an average price of \$99.73 were excluded from the calculation of diluted earnings per share. For the three months ended January 31, 2018, no outstanding options were excluded from the calculation of diluted earnings per share.
 Includes exchangeable preferred shares.

Note 11 Legal and regulatory matters

We are a large global institution that is subject to many different complex legal and regulatory requirements that continue to evolve. As a result, we are and have been subject to a variety of legal proceedings, including civil claims and lawsuits, regulatory examinations, investigations, audits and requests for information by various governmental regulatory agencies and law enforcement authorities in various jurisdictions. Some of these matters may involve novel legal theories and interpretations and may be advanced under criminal as well as civil statutes, and some proceedings could result in the imposition of civil, regulatory enforcement or criminal penalties. We review the status of all proceedings on an ongoing basis and will exercise judgment in resolving them in such manner as we believe to be in our best interest. This is an area of significant judgment and uncertainty and the extent of our financial and other exposure to these proceedings after taking into account current accruals could be material to our results of operations in any particular period.

Our significant legal proceedings and regulatory matters are those disclosed in our audited 2018 Annual Consolidated Financial Statements as updated below:

Interchange fees litigation

The trial in the Watson proceeding has been rescheduled from October 14, 2019 to October 19, 2020.

Note 12 Results by business segment

				Foi	r the three n	nonths er	nded Janu	ary 31	, 2019		
(Millions of Canadian dollars)	Personal & ommercial Banking	Man	Wealth agement	In	surance	Tr	estor & easury ervices	M	Capital larkets (1)	orporate pport (1)	Total
Net interest income (2) Non-interest income	\$ 3,134 1,284	\$	744 2,204	\$	- 1,579	\$	(31) 662	\$	1,006 1,092	\$ 31 (116)	\$ 4,884 6,705
Total revenue Provision for credit losses Insurance policyholder benefits, claims and	4,418 348		2,948 26		1,579 –		631 -		2,098 140	(85) -	11,589 514
acquisition expense Non-interest expense	- 1,915		- 2,164		1,225 154		- 418		- 1,230	- 31	1,225 5,912
Net income (loss) before income taxes Income taxes (recoveries)	2,155 584		758 161		200 34		213 52		728 75	(116) (140)	3,938 766
Net income	\$ 1,571	\$	597	\$	166	\$	161	\$	653	\$ 24	\$ 3,172
Non-interest expense includes: Depreciation and amortization	\$ 153	\$	147	\$	11	\$	34	\$	95	\$ -	\$ 440

				Fo	r the three m	onths er	nded Janua	ary 31, 2	2018		
(Millions of Canadian dollars)	Personal & ommercial Banking	Man	Wealth agement	In	nsurance	Tr	estor & reasury ervices	Ma	Capital rkets (1)	orporate oport (1)	Total
Net interest income (2) Non-interest income	\$ 2,856 1,309	\$	612 2,171	\$	- 1,144	\$	128 548	\$	866 1,309	\$ (17) (98)	\$ 4,445 6,383
Total revenue Provision for credit losses Insurance policyholder benefits, claims and	4,165 317		2,783 (2)		1,144 -		676 -		2,175 20	(115) (1)	10,828 334
acquisition expense Non-interest expense	- 1,801		- 2,011		836 142		- 389		- 1,214	- 54	836 5,611
Net income (loss) before income taxes Income taxes (recoveries)	2,047 526		774 177		166 39		287 68		941 193	(168) 32	4,047 1,035
Net income	\$ 1,521	\$	597	\$	127	\$	219	\$	748	\$ (200)	\$ 3,012
Non-interest expense includes: Depreciation and amortization	\$ 140	\$	130	\$	9	\$	30	\$	87	\$ _	\$ 396

Total assets and total liabilities by business segment

	As at January 31, 2019							
	Personal &			Investor &				
	Commercial	Wealth		Treasury	Capital	Corporate		
(Millions of Canadian dollars)	Banking	Management	Insurance	Services	Markets	Support	Total	
Total assets	\$ 458,817	\$ 93,905	\$ 16,787	\$ 148,670	\$ 604,422	\$ 43,606	\$ 1,366,207	
Total liabilities	\$ 458,826	\$ 94,050	\$ 16,826	\$ 148,658	\$ 604,438	\$ (37,241)	\$ 1,285,557	

		As at October 31, 2018							
	Personal &			Investor &					
	Commercial	Wealth		Treasury	Capital	Corporate			
(Millions of Canadian dollars)	Banking	Management	Insurance	Services	Markets	Support	Total		
Total assets	\$ 453,879	\$ 93,063	\$ 16,210	\$ 136,030	\$ 590,950	\$ 44,602	\$ 1,334,734		
Total liabilities	\$ 453,878	\$ 93,162	\$ 16,289	\$ 135,944	\$ 590,582	\$ (35,076)	\$ 1,254,779		

Taxable equivalent basis.

Interest revenue is reported net of interest expense as we rely primarily on net interest income as a performance measure.

Note 13 Capital management

Regulatory capital and capital ratios

OSFI formally establishes risk-based capital and leverage targets for deposit-taking institutions in Canada. During the first quarter of 2019, we complied with all capital and leverage requirements, including the domestic stability buffer, imposed by OSFI.

		As at		
		ary 31	October 31	
(Millions of Canadian dollars, except Capital ratios and leverage ratios)		2019	2018	
Capital (1)				
CET1 capital	\$ 57	,963 \$	57,001	
Tier 1 capital	64	,341	63,279	
Total capital	73	,758	72,494	
Risk-weighted Assets (RWA) used in calculation of capital ratios (1) (2)			_	
CET1 capital RWA	508	,512	495,528	
Tier 1 capital RWA	508	,512	495,993	
Total capital RWA	508	,512	496,459	
Total capital RWA consisting of: (1)				
Credit risk	410	,003	401,534	
Market risk	34	,862	32,209	
Operational risk	63	,647	62,716	
Total Capital RWA	\$ 508	,512 \$	496,459	
Capital ratios and Leverage ratios (1)				
CET1 ratio	11	1.4%	11.5%	
Tier 1 capital ratio	12	2.7%	12.8%	
Total capital ratio	14	4.5 %	14.6%	
Leverage ratio		1.3%	4.4%	
Leverage ratio exposure (billions)	\$ 1,5	01.8 \$	1,450.8	

⁽¹⁾ Capital, RWA, and capital ratios are calculated using OSFI Capital Adequacy Requirements based on the Basel III framework. The leverage ratio is calculated using OSFI Leverage Requirements Guideline based on the Basel III framework.

⁽²⁾ In fiscal 2018, amounts included CVA scalars of 80%, 83% and 86%, respectively.

Shareholder Information

Corporate headquarters

Street address: Royal Bank of Canada 200 Bay Street Toronto, Ontario M5J 2J5 Canada Tel: 1-888-212-5533

Mailing address: P.O. Box 1 Royal Bank Plaza Toronto, Ontario M5J 2J5 Canada website: rbc.com

Transfer Agent and Registrar

Main Agent:
Computershare Trust Company of
Canada
1500 Robert-Bourassa Blvd.
Suite 700
Montreal, Quebec H3A 3S8
Canada
Tel: 1-866-586-7635 (Canada and
the U.S.) or 514-982-7555
(International)
Fax: 514-982-7580
website: computershare.com/rbc

Co-Transfer Agent (U.S.): Computershare Trust Company, N.A. 250 Royall Street Canton, Massachusetts 02021 U.S.A.

Co-Transfer Agent (U.K.): Computershare Investor Services PLC Securities Services – Registrars P.O. Box 82, The Pavilions, Bridgwater Road, Bristol BS99 6ZZ U.K.

Stock exchange listings

(Symbol: RY)

Common shares are listed on: Canada – Toronto Stock Exchange (TSX) U.S. – New York Stock Exchange (NYSE) Switzerland – Swiss Exchange (SIX)

All preferred shares are listed on the TSX with the exception of the series C-2. The related depository shares of the series C-2 preferred shares are listed on the NYSE.

Valuation day price

For Canadian income tax purposes, Royal Bank of Canada's common stock was quoted at \$29.52 per share on the Valuation Day (December 22, 1971). This is equivalent to \$7.38 per share after adjusting for the two-for-one stock split of March 1981 and the two-for-one stock split of February 1990. The one-for-one stock dividends in October 2000 and April 2006 did not affect the Valuation Day amount for our common shares.

Shareholder contacts

For dividend information, change in share registration or address, lost stock certificates, tax forms, estate transfers or dividend reinvestment, please contact: Computershare Trust Company of Canada 100 University Avenue, 8th Floor Toronto, Ontario M5J 2Y1 Canada

Tel: 1-866-586-7635 (Canada and the U.S.) or 514-982-7555 (International)
Fax: 1-888-453-0330 (Canada and the U.S.) or 416-263-9394 (International)
email: service@computershare.com

For other shareholder inquiries, please contact:
Shareholder Relations
Royal Bank of Canada
200 Bay Street
South Tower
Toronto, Ontario M5J 2J5
Canada
Tel: 416-955-7806

Financial analysts, portfolio managers, institutional investors

For financial information inquiries, please contact: Investor Relations
Royal Bank of Canada
155 Wellington Street West
Toronto, Ontario M5V 3K7
Canada
Tel: 416-955-7802

or visit our website at rbc.com/investorrelations

Direct deposit service

Shareholders in Canada and the U.S. may have their RBC common share dividends deposited directly to their bank account by electronic funds transfer. To arrange for this service, please contact our Transfer Agent and Registrar, Computershare Trust Company of Canada.

Eligible dividend designation

For purposes of the *Income Tax Act* (Canada) and any corresponding provincial and territorial tax legislation, all dividends (and deemed dividends) paid by RBC to Canadian residents on both its common and preferred shares, are designated as "eligible dividends", unless stated otherwise.

Common share repurchases

We are engaged in a Normal Course Issuer Bid (NCIB) which allows us to repurchase for cancellation, up to 30 million common shares during the period spanning from February 27, 2018 to February 26, 2019, when the bid expires, or such earlier date as we may complete the purchases pursuant to our Notice of Intention filed with the Toronto Stock Exchange.

We determine the amount and timing of the purchases under the NCIB, subject to prior consultation with the Office of the Superintendent of Financial Institutions Canada.

A copy of our Notice of Intention to file a NCIB may be obtained, without charge, by contacting our Corporate Secretary at our Toronto mailing address.

2019 Quarterly earnings release dates

First quarter February 22
Second quarter May 23
Third quarter August 21
Fourth quarter December 4

2019 Annual Meeting

The Annual Meeting of Common Shareholders will be held on Thursday, April 4, 2019, at 9:30 a.m. (Atlantic Time) at the Halifax Convention Centre, 1650 Argyle Street, Halifax, Nova Scotia, Canada.

Dividend dates for 2019

Subject to approval by the Board of Directors

	Record dates	Payment dates
Common and preferred shares series W, AA, AC, AE, AF, AG, AZ, BB, BD, BF, BH, BI, BJ, BK, BM and BO	January 24 April 25 July 25 October 24	February 22 May 24 August 23 November 22
Preferred shares series AJ,AK and AL	January 24	February 22
Preferred shares series C-2 (US\$)	January 28 April 26 July 26 October 28	February 7 May 7 August 7 November 7

Governance

Summaries of the significant ways in which corporate governance practices followed by RBC differ from corporate governance practices required to be followed by U.S. domestic companies under the NYSE listing standards are available on our website at rbc.com/governance.

Information contained in or otherwise accessible through the websites mentioned in this report to shareholders does not form a part of this report. All references to websites are inactive textual references and are for your information only.

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